Michigan Public Service Commission
DTE Gas Company
U-21973 AGDG 5.214a
Prepaid Property Tax Activity
2025 - 2027

Case No.: U-21973
Exhibit: A-30
Schedule: T1
Respondent: S.L. Wisniewski
Page: 1 of 1

Property Tax Accruals AGDG-1.14	**Exhibit Reference**	**Property Tax Liability**	**% Expense**	**Expense**	
2025 Property Tax Expense					
2024 Property Tax Liability	A-13, C7.1, Line 3	107,849	61%	(65,788)	
2025 Property Tax Liability	A-13, C7.1, Line 4	115,900	39%	(45,201)	
2025 Calendar Year Property Tax Expense	A-13, C7.1, Line 5			(110,989)	
2025 Monthly Expense				(9,249)	Monthly Property Tax Accruals -January through December 2025
2026 Property Tax Expense					
2025 Property Tax Liability	A-13, C7.1, Line 7	115,900	61%	(70,699)	
2026 Property Tax Liability	A-13, C7.1, Line 8	129,792	39%	(50,619)	
2026 Calendar Year Property Tax Expense	A-13, C7.1, Line 9			(121,318)	
2026 Monthly Expense				(10,110)	Monthly Property Tax Accruals -January through December 2026
2027 Property Tax Expense					
2026 Property Tax Liability	A-13, C7.1, Line 11	129,792	61%	(79,173)	
2027 Property Tax Liability	A-13, C7.1, Line 12	146,175	39%	(57,008)	
2027 Calendar Year Property Tax Expense	A-13, C7.1, Line 13			(136,182)	
2027 Monthly Expense				(11,348)	Monthly Property Tax Accruals -January through September 2027

Prepaid Property Taxes AGDG-1.14	**Exhibit Reference**	**Property Tax Liability**	**% Paid**	**Payment**	
2025 Property Tax Payments					
2024 Property Tax Liability	A-13, C7.1, Line 3	107,849	39%	42,061	39% of the 2024 Property Tax Liability is paid in January 2025
2025 Property Tax Liability	A-13, C7.1, Line 4	115,900	61%	70,699	61% of the 2025 Property Tax Liability is paid in August 2025
2026 Property Tax Payments					
2025 Property Tax Liability	A-13, C7.1, Line 7	115,900	39%	45,201	39% of the 2025 Property Tax Liability is paid in January 2026
2026 Property Tax Liability	A-13, C7.1, Line 8	129,792	61%	79,173	61% of the 2026 Property Tax Liability is paid in August 2026
2027 Property Tax Payments					
2026 Property Tax Liability	A-13, C7.1, Line 11	129,792	39%	50,619	39% of the 2026 Property Tax Liability is paid in January 2027
2027 Property Tax Liability	A-13, C7.1, Line 12	146,175	61%	89,167	61% of the 2027 Property Tax Liability is paid in August 2027

Constant Growth Discounted Cash Flow Model with Half Year Growth Adjustment
30 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] CIQ Earnings Growth	[7] Value Line Earnings Growth	[8] Average Earnings Growth	[9] Low ROE	[10] Mean ROE	[11] High ROE
Atmos Energy Corporation	ATO	$4.00	$173.56	2.30%	2.39%	7.00%	8.36%	8.00%	7.79%	9.39%	10.18%	10.76%
New Jersey Resources Corporation	NJR	$1.90	$51.27	3.71%	3.83%	n/a	8.55%	5.00%	6.78%	8.80%	10.61%	12.41%
NiSource Inc.	NI	$1.20	$44.86	2.67%	2.77%	6.00%	8.80%	7.50%	7.43%	8.75%	10.21%	11.59%
Northwest Natural Holding Co.	NWN	$1.97	$48.35	4.07%	4.19%	n/a	5.00%	6.00%	5.50%	9.18%	9.69%	10.20%
ONE Gas, Inc.	OGS	$2.72	$82.07	3.31%	3.43%	8.10%	7.10%	6.00%	7.07%	9.41%	10.50%	11.55%
Southwest Gas Holdings, Inc.	SWX	$2.48	$85.13	2.91%	3.07%	9.20%	12.70%	n/a	10.95%	12.25%	14.02%	15.80%
Proxy Group Mean				3.16%	3.28%	7.58%	8.42%	6.50%	7.59%	9.63%	10.87%	12.05%
Proxy Group Median				3.11%	3.25%	7.55%	8.46%	6.00%	7.25%	9.28%	10.35%	11.57%
Average of the Mean and Median				**3.14%**	**3.27%**	**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.46%**	**10.61%**	**11.81%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[3] Equals Col. [1] / Col. [2]
[4] Equals Col. [3] x (1 + 0.5 x Col. [8])
[5] Source: Zacks
[6] Source: S&P Capital IQ
[7] Source: Value Line
[8] Equals Average (Col. [5], Col. [6], Col. [7])
[9] Equals Col. [3] x (1 + 0.5 x Minimum(Col. [5], Col. [6], Col. [7])) + Minimum(Col. [5], Col. [6], Col. [7])
[10] Equals Col. [4] + Col. [8]
[11] Equals Col. [3] x (1 + 0.5 x Maximum(Col. [5], Col. [6], Col. [7])) + Maximum(Col. [5], Col. [6], Col. [7])

Constant Growth Discounted Cash Flow Model with Half Year Growth Adjustment
90 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] CIQ Earnings Growth	[7] Value Line Earnings Growth	[8] Average Earnings Growth	[9] Low ROE	[10] Mean ROE	[11] High ROE
Atmos Energy Corporation	ATO	$4.00	$172.36	2.32%	2.41%	7.00%	8.36%	8.00%	7.79%	9.40%	10.20%	10.78%
New Jersey Resources Corporation	NJR	$1.90	$47.89	3.97%	4.10%	n/a	8.55%	5.00%	6.78%	9.07%	10.88%	12.69%
NiSource Inc.	NI	$1.20	$43.29	2.77%	2.88%	6.00%	8.80%	7.50%	7.43%	8.86%	10.31%	11.69%
Northwest Natural Holding Co.	NWN	$1.97	$47.51	4.15%	4.26%	n/a	5.00%	6.00%	5.50%	9.25%	9.76%	10.27%
ONE Gas, Inc.	OGS	$2.72	$80.60	3.37%	3.49%	8.10%	7.10%	6.00%	7.07%	9.48%	10.56%	11.61%
Southwest Gas Holdings, Inc.	SWX	$2.48	$82.15	3.02%	3.18%	9.20%	12.70%	n/a	10.95%	12.36%	14.13%	15.91%
Proxy Group Mean				3.27%	3.39%	7.58%	8.42%	6.50%	7.59%	9.73%	10.97%	12.16%
Proxy Group Median				3.20%	3.34%	7.55%	8.46%	6.00%	7.25%	9.33%	10.44%	11.65%
Average of the Mean and Median				**3.23%**	**3.36%**	**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.53%**	**10.70%**	**11.91%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[3] Equals Col. [1] / Col. [2]
[4] Equals Col. [3] x (1 + 0.5 x Col. [8])
[5] Source: Zacks
[6] Source: S&P Capital IQ
[7] Source: Value Line
[8] Equals Average (Col. [5], Col. [6], Col. [7])
[9] Equals Col. [3] x (1 + 0.5 x Minimum(Col. [5], Col. [6], Col. [7])) + Minimum(Col. [5], Col. [6], Col. [7])
[10] Equals Col. [4] + Col. [8]
[11] Equals Col. [3] x (1 + 0.5 x Maximum(Col. [5], Col. [6], Col. [7])) + Maximum(Col. [5], Col. [6], Col. [7])

Constant Growth Discounted Cash Flow Model with Half Year Growth Adjustment
180 Day Average Stock Price

Company	Ticker	[1] Annualized Dividend	[2] Average Stock Price	[3] Dividend Yield	[4] Expected Dividend Yield	[5] Zacks Earnings Growth	[6] CIQ Earnings Growth	[7] Value Line Earnings Growth	[8] Average Earnings Growth	[9] Low ROE	[10] Mean ROE	[11] High ROE
Atmos Energy Corporation	ATO	$4.00	$167.27	2.39%	2.48%	7.00%	8.36%	8.00%	7.79%	9.47%	10.27%	10.85%
New Jersey Resources Corporation	NJR	$1.90	$47.09	4.03%	4.17%	n/a	8.55%	5.00%	6.78%	9.14%	10.95%	12.76%
NiSource Inc.	NI	$1.20	$42.36	2.83%	2.94%	6.00%	8.80%	7.50%	7.43%	8.92%	10.37%	11.76%
Northwest Natural Holding Co.	NWN	$1.97	$44.61	4.42%	4.54%	n/a	5.00%	6.00%	5.50%	9.53%	10.04%	10.55%
ONE Gas, Inc.	OGS	$2.72	$77.98	3.49%	3.61%	8.10%	7.10%	6.00%	7.07%	9.59%	10.68%	11.73%
Southwest Gas Holdings, Inc.	SWX	$2.48	$79.75	3.11%	3.28%	9.20%	12.70%	n/a	10.95%	12.45%	14.23%	16.01%
Proxy Group Mean				3.38%	3.50%	7.58%	8.42%	6.50%	7.59%	9.85%	11.09%	12.28%
Proxy Group Median				3.30%	3.45%	7.55%	8.46%	6.00%	7.25%	9.50%	10.53%	11.74%
Average of the Mean and Median				**3.34%**	**3.47%**	**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.68%**	**10.81%**	**12.01%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[3] Equals Col. [1] / Col. [2]
[4] Equals Col. [3] x (1 + 0.5 x Col. [8])
[5] Source: Zacks
[6] Source: S&P Capital IQ
[7] Source: Value Line
[8] Equals Average (Col. [5], Col. [6], Col. [7])
[9] Equals Col. [3] x (1 + 0.5 x Minimum(Col. [5], Col. [6], Col. [7])) + Minimum(Col. [5], Col. [6], Col. [7])
[10] Equals Col. [4] + Col. [8]
[11] Equals Col. [3] x (1 + 0.5 x Maximum(Col. [5], Col. [6], Col. [7])) + Maximum(Col. [5], Col. [6], Col. [7])

Quarterly Growth Discounted Cash Flow Model
30 Day Average Stock Price

Company	Ticker	[1] Dividend 1	[2] Dividend 2	[3] Dividend 3	[4] Dividend 4	[5] Expected Dividend 1	[6] Expected Dividend 2	[7] Expected Dividend 3	[8] Expected Dividend 4	[9] Average Stock Price	[10] Zacks Earnings Growth	[11] CIQ Earnings Growth	[12] Value Line Earnings Growth	[13] Average Earnings Growth	[14] Low ROE	[15] Mean ROE	[16] High ROE
Atmos Energy Corporation	ATO	$0.87	$0.87	$1.00	$1.00	$0.94	$0.94	$1.08	$1.08	$173.56	7.00%	8.36%	8.00%	7.79%	9.38%	10.19%	10.78%
New Jersey Resources Corporation	NJR	$0.45	$0.45	$0.48	$0.48	$0.48	$0.48	$0.51	$0.51	$51.27	n/a	8.55%	5.00%	6.78%	8.91%	10.78%	12.64%
NiSource Inc.	NI	$0.28	$0.28	$0.28	$0.30	$0.30	$0.30	$0.30	$0.32	$44.86	6.00%	8.80%	7.50%	7.43%	8.78%	10.26%	11.68%
Northwest Natural Holding Co.	NWN	$0.49	$0.49	$0.49	$0.49	$0.52	$0.52	$0.52	$0.52	$48.35	n/a	5.00%	6.00%	5.50%	9.42%	9.94%	10.47%
ONE Gas, Inc.	OGS	$0.67	$0.67	$0.67	$0.68	$0.72	$0.72	$0.72	$0.73	$82.07	8.10%	7.10%	6.00%	7.07%	9.60%	10.71%	11.80%
Southwest Gas Holdings, Inc.	SWX	$0.62	$0.62	$0.62	$0.62	$0.69	$0.69	$0.69	$0.69	$85.13	9.20%	12.70%	n/a	10.95%	12.53%	14.35%	16.18%
Proxy Group Mean											7.58%	8.42%	6.50%	7.59%	9.77%	11.04%	12.26%
Proxy Group Median											7.55%	8.46%	6.00%	7.25%	9.40%	10.49%	11.74%
Average of the Mean and Median											**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.58%**	**10.77%**	**12.00%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ
[3] Source: S&P Capital IQ
[4] Source: S&P Capital IQ
[5] Equals Col. [1] x (1 + Col. [13])
[6] Equals Col. [2] x (1 + Col. [13])
[7] Equals Col. [3] x (1 + Col. [13])
[8] Equals Col. [4] x (1 + Col. [13])
[9] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[10] Source: Zacks
[11] Source: S&P Capital IQ
[12] Source: Value Line
[13] Equals Average (Cols. [10], [11], [12])
[14] Implied Low DCF
[15] Implied Mean DCF
[16] Implied High DCF

Quarterly Growth Discounted Cash Flow Model
90 Day Average Stock Price

Company	Ticker	[1] Dividend 1	[2] Dividend 2	[3] Dividend 3	[4] Dividend 4	[5] Expected Dividend 1	[6] Expected Dividend 2	[7] Expected Dividend 3	[8] Expected Dividend 4	[9] Average Stock Price	[10] Zacks Earnings Growth	[11] CIQ Earnings Growth	[12] Value Line Earnings Growth	[13] Average Earnings Growth	[14] Low ROE	[15] Mean ROE	[16] High ROE
Atmos Energy Corporation	ATO	$0.87	$0.87	$1.00	$1.00	$0.94	$0.94	$1.08	$1.08	$172.36	7.00%	8.36%	8.00%	7.79%	9.40%	10.21%	10.80%
New Jersey Resources Corporation	NJR	$0.45	$0.45	$0.48	$0.48	$0.48	$0.48	$0.51	$0.51	$47.89	n/a	8.55%	5.00%	6.78%	9.19%	11.06%	12.94%
NiSource Inc.	NI	$0.28	$0.28	$0.28	$0.30	$0.30	$0.30	$0.30	$0.32	$43.29	6.00%	8.80%	7.50%	7.43%	8.88%	10.37%	11.79%
Northwest Natural Holding Co.	NWN	$0.49	$0.49	$0.49	$0.49	$0.52	$0.52	$0.52	$0.52	$47.51	n/a	5.00%	6.00%	5.50%	9.49%	10.02%	10.55%
ONE Gas, Inc.	OGS	$0.67	$0.67	$0.67	$0.68	$0.72	$0.72	$0.72	$0.73	$80.60	8.10%	7.10%	6.00%	7.07%	9.66%	10.78%	11.86%
Southwest Gas Holdings, Inc.	SWX	$0.62	$0.62	$0.62	$0.62	$0.69	$0.69	$0.69	$0.69	$82.15	9.20%	12.70%	n/a	10.95%	12.65%	14.48%	16.30%
Proxy Group Mean											7.58%	8.42%	6.50%	7.59%	9.88%	11.15%	12.37%
Proxy Group Median											7.55%	8.46%	6.00%	7.25%	9.45%	10.58%	11.83%
Average of the Mean and Median											**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.66%**	**10.86%**	**12.10%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ
[3] Source: S&P Capital IQ
[4] Source: S&P Capital IQ
[5] Equals Col. [1] x (1 + Col. [13])
[6] Equals Col. [2] x (1 + Col. [13])
[7] Equals Col. [3] x (1 + Col. [13])
[8] Equals Col. [4] x (1 + Col. [13])
[9] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[10] Source: Zacks
[11] Source: S&P Capital IQ
[12] Source: Value Line
[13] Equals Average (Cols. [10], [11], [12])
[14] Implied Low DCF
[15] Implied Mean DCF
[16] Implied High DCF

Quarterly Growth Discounted Cash Flow Model
180 Day Average Stock Price

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
Company	Ticker	Dividend 1	Dividend 2	Dividend 3	Dividend 4	Expected Dividend 1	Expected Dividend 2	Expected Dividend 3	Expected Dividend 4	Average Stock Price	Zacks Earnings Growth	CIQ Earnings Growth	Value Line Earnings Growth	Average Earnings Growth	Low ROE	Mean ROE	High ROE
Atmos Energy Corporation	ATO	$0.87	$0.87	$1.00	$1.00	$0.94	$0.94	$1.08	$1.08	$167.27	7.00%	8.36%	8.00%	7.79%	9.47%	10.28%	10.88%
New Jersey Resources Corporation	NJR	$0.45	$0.45	$0.48	$0.48	$0.48	$0.48	$0.51	$0.51	$47.09	n/a	8.55%	5.00%	6.78%	9.26%	11.14%	13.01%
NiSource Inc.	NI	$0.28	$0.28	$0.28	$0.30	$0.30	$0.30	$0.30	$0.32	$42.36	6.00%	8.80%	7.50%	7.43%	8.94%	10.43%	11.85%
Northwest Natural Holding Co.	NWN	$0.49	$0.49	$0.49	$0.49	$0.52	$0.52	$0.52	$0.52	$44.61	n/a	5.00%	6.00%	5.50%	9.79%	10.32%	10.86%
ONE Gas, Inc.	OGS	$0.67	$0.67	$0.67	$0.68	$0.72	$0.72	$0.72	$0.73	$77.98	8.10%	7.10%	6.00%	7.07%	9.79%	10.91%	11.99%
Southwest Gas Holdings, Inc.	SWX	$0.62	$0.62	$0.62	$0.62	$0.69	$0.69	$0.69	$0.69	$79.75	9.20%	12.70%	n/a	10.95%	12.75%	14.58%	16.41%
Proxy Group Mean											7.58%	8.42%	6.50%	7.59%	10.00%	11.28%	12.50%
Proxy Group Median											7.55%	8.46%	6.00%	7.25%	9.63%	10.67%	11.92%
Average of the Mean and Median											**7.56%**	**8.44%**	**6.25%**	**7.42%**	**9.82%**	**10.97%**	**12.21%**

Notes:
[1] Source: S&P Capital IQ
[2] Source: S&P Capital IQ
[3] Source: S&P Capital IQ
[4] Source: S&P Capital IQ
[5] Equals Col. [1] x (1 + Col. [13])
[6] Equals Col. [2] x (1 + Col. [13])
[7] Equals Col. [3] x (1 + Col. [13])
[8] Equals Col. [4] x (1 + Col. [13])
[9] Source: S&P Capital IQ, equals indicated number of trading day average as of 02/27/2026
[10] Source: Zacks
[11] Source: S&P Capital IQ
[12] Source: Value Line
[13] Equals Average (Cols. [10], [11], [12])
[14] Implied Low DCF
[15] Implied Mean DCF
[16] Implied High DCF

Forward Market Return
Market DCF Based Method - Value Line EPS Growth

[1] Market Cap. Weighted Estimate of the S&P 500 Dividend Yield	1.17%
[2] Market Cap. Weighted Estimate of the S&P 500 Growth Rate	14.77%
[3] Market Cap. Weighted Estimated Required Market Return	16.02%

Notes:
[1] Source: S&P Capital IQ as of 02/27/2026
[2] Source: Value Line DCF-based forward market return. See Confidential WP-8 for calculation.
[3] Equals (Col. [1] x (1 + (0.5 x Col. [2]))) + Col. [2]

Forward Market Return
Market DCF Based Method - Bloomberg EPS Growth

[4] Market Cap. Weighted Estimate of the S&P 500 Dividend Yield	1.13%
[5] Market Cap. Weighted Estimate of the S&P 500 Growth Rate	17.38%
[6] Market Cap. Weighted Estimated Required Market Return	18.61%

Notes:
[4] Source: S&P Capital IQ as of 02/27/2026
[5] Source: Bloomberg DCF-based forward market return. See Confidential WP-9 for calculation.
[6] Equals (Col. [4] x (1 + (0.5 x Col. [5]))) + Col. [5]

Forward Market Return
Market DCF Based Method - S&P 500 EPS Growth

[7] Market Cap. Weighted Estimate of the S&P 500 Dividend Yield	1.15%
[8] Market Cap. Weighted Estimate of the S&P 500 Growth Rate	17.31%
[9] Market Cap. Weighted Estimated Required Market Return	18.56%

Notes:
[7], [8] Source: S&P Global, S&P 500 Earnings and Estimate Report, last published on January 30, 2026
[9] Equals (Col. [7] x (1 + (0.5 x Col. Col. [8]))) + Col. Col. [8]

Capital Asset Pricing Model and Empirical Capital Asset Pricing Model Results
Using DCF-derived Forward Market Return and 5-year Beta Coefficients

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
Company	Ticker	Current 30-Year Treasury Yield	5-Year Bloomberg Beta Coefficient	5-Year Value Line Beta Coefficient	Average Beta Coefficient	DCF Forward Market Return	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.79%	0.63	0.80	0.71	16.02%	11.23%	12.80%	13.60%
New Jersey Resources Corporation	NJR	4.79%	0.60	0.75	0.68	16.02%	11.23%	12.38%	13.29%
NiSource Inc.	NI	4.79%	0.66	0.85	0.76	16.02%	11.23%	13.30%	13.98%
Northwest Natural Holding Co.	NWN	4.79%	0.57	0.80	0.68	16.02%	11.23%	12.48%	13.37%
ONE Gas, Inc.	OGS	4.79%	0.56	0.75	0.66	16.02%	11.23%	12.17%	13.13%
Southwest Gas Holdings, Inc.	SWX	4.79%	0.65	0.80	0.72	16.02%	11.23%	12.91%	13.69%
							Proxy Group Mean:	12.67%	13.51%
							Proxy Group Median:	12.64%	13.49%
							Average of the Mean and Median:	**12.66%**	**13.50%**

		[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
Company	Ticker	Current 30-Year Treasury Yield	5-Year Bloomberg Beta Coefficient	5-Year Value Line Beta Coefficient	Average Beta Coefficient	DCF Forward Market Return	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.66%	0.63	0.80	0.71	16.02%	11.36%	12.76%	13.57%
New Jersey Resources Corporation	NJR	4.66%	0.60	0.75	0.68	16.02%	11.36%	12.34%	13.26%
NiSource Inc.	NI	4.66%	0.66	0.85	0.76	16.02%	11.36%	13.26%	13.95%
Northwest Natural Holding Co.	NWN	4.66%	0.57	0.80	0.68	16.02%	11.36%	12.44%	13.34%
ONE Gas, Inc.	OGS	4.66%	0.56	0.75	0.66	16.02%	11.36%	12.12%	13.10%
Southwest Gas Holdings, Inc.	SWX	4.66%	0.65	0.80	0.72	16.02%	11.36%	12.87%	13.66%
							Proxy Group Mean:	12.63%	13.48%
							Proxy Group Median:	12.60%	13.46%
							Average of the Mean and Median:	**12.62%**	**13.47%**

Notes:
[1] Source: Federal Reserve Bank of St. Louis (FRED); 30-day average
[2] Source: Bloomberg Professional Service
[3] Source: Value Line
[4] Equals Average of Col. [2] and Col. [3]
[5] Source: Exhibit A-31, Schedule U3; Value Line DCF-based forward market return
[6] Equals Col. [5] - Col. [1]
[7] Equals Col. [1] + (Col. [4] x Col. [6])
[8] Equals Col. [1] + (0.75 x Col. [4] x Col. [6]) + (0.25 x Col. [6])
[9] Blue Chip Financial Forecasts, Vol. 45, No. 3, February 27, 2026, at 2; Vol. 44, No. 12, December 1, 2025 at 14
[10] See Note [2]
[11] See Note [3]
[12] Equals Average of Col. [10] and Col. [11]
[13] See Note [5]
[14] Equals Col. [13] - Col. [9]
[15] Equals Col. [9] + (Col. [12] x Col. [14])
[16] Equals Col. [9] + (0.75 x Col. [12] x Col. [14]) + (0.25 x Col. [14])

Capital Asset Pricing Model and Empirical Capital Asset Pricing Model Results
Using DCF-derived Forward Market Return and 10-Year Bloomberg Beta Coefficient

		[1]	[2]	[3]	[4]	[5]	[6]
Company	Ticker	Current 30-Year Treasury Yield	10-Year Bloomberg Beta Coefficient	DCF Forward Market Return	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.79%	0.72	16.02%	11.23%	12.86%	13.65%
New Jersey Resources Corporation	NJR	4.79%	0.75	16.02%	11.23%	13.26%	13.95%
NiSource Inc.	NI	4.79%	0.77	16.02%	11.23%	13.41%	14.07%
Northwest Natural Holding Co.	NWN	4.79%	0.68	16.02%	11.23%	12.39%	13.30%
ONE Gas, Inc.	OGS	4.79%	0.73	16.02%	11.23%	13.00%	13.76%
Southwest Gas Holdings, Inc.	SWX	4.79%	0.81	16.02%	11.23%	13.88%	14.41%
					Proxy Group Mean:	13.13%	13.86%
					Proxy Group Median:	13.13%	13.85%
				Average of the Mean and Median:		**13.13%**	**13.86%**

		[7]	[8]	[9]	[10]	[11]	[12]
Company	Ticker	Current 30-Year Treasury Yield	10-Year Bloomberg Beta Coefficient	DCF Forward Market Return	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.66%	0.72	16.02%	11.36%	12.83%	13.62%
New Jersey Resources Corporation	NJR	4.66%	0.75	16.02%	11.36%	13.23%	13.93%
NiSource Inc.	NI	4.66%	0.77	16.02%	11.36%	13.38%	14.04%
Northwest Natural Holding Co.	NWN	4.66%	0.68	16.02%	11.36%	12.35%	13.27%
ONE Gas, Inc.	OGS	4.66%	0.73	16.02%	11.36%	12.96%	13.73%
Southwest Gas Holdings, Inc.	SWX	4.66%	0.81	16.02%	11.36%	13.85%	14.39%
					Proxy Group Mean:	13.10%	13.83%
					Proxy Group Median:	13.10%	13.83%
				Average of the Mean and Median:		**13.10%**	**13.83%**

Notes:
[1] Source: Federal Reserve Bank of St. Louis (FRED); 30-day average
[2] Source: Bloomberg Professional Service
[3] Source: Exhibit A-31, Schedule U3; Value Line DCF-based forward market return
[4] Equals Col. [3] - Col. [1]
[5] Equals Col. [1] + (Col. [2] x Col. [4])
[6] Equals Col. [1] + (0.75 x Col. [2] x Col. [4]) + (0.25 x Col. [4])
[7] Blue Chip Financial Forecasts, Vol. 45, No. 3, February 27, 2026, at 2; Vol. 44, No. 12, December 1, 2025 at 14
[8] See Note [2]
[9] See Note [3]
[10] Equals Col. [9] - Col. [7]
[11] Equals Col. [7] + (Col. [8] x Col. [10])
[12] Equals Col. [7] + (0.75 x Col. [8] x Col. [10]) + (0.25 x Col. [10])

Capital Asset Pricing Model and Empirical Capital Asset Pricing Model Results
Using Long-Term Average Historical Market Return and 5-year Beta Coefficients

		[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
Company	Ticker	Current 30-Year Treasury Yield	5-Year Bloomberg Beta Coefficient	5-Year Value Line Beta Coefficient	Average Beta Coefficient	Long-Term Average Historical Market Return (1926-2025)	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.79%	0.63	0.80	0.71	12.23%	7.44%	10.09%	10.63%
New Jersey Resources Corporation	NJR	4.79%	0.60	0.75	0.68	12.23%	7.44%	9.82%	10.42%
NiSource Inc.	NI	4.79%	0.66	0.85	0.76	12.23%	7.44%	10.42%	10.88%
Northwest Natural Holding Co.	NWN	4.79%	0.57	0.80	0.68	12.23%	7.44%	9.89%	10.47%
ONE Gas, Inc.	OGS	4.79%	0.56	0.75	0.66	12.23%	7.44%	9.68%	10.32%
Southwest Gas Holdings, Inc.	SWX	4.79%	0.65	0.80	0.72	12.23%	7.44%	10.17%	10.68%
							Proxy Group Mean:	10.01%	10.57%
							Proxy Group Median:	9.99%	10.55%
							Average of the Mean and Median:	**10.00%**	**10.56%**

		[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
Company	Ticker	Current 30-Year Treasury Yield	5-Year Bloomberg Beta Coefficient	5-Year Value Line Beta Coefficient	Average Beta Coefficient	Long-Term Average Historical Market Return (1926-2025)	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.66%	0.63	0.80	0.71	12.23%	7.57%	10.05%	10.60%
New Jersey Resources Corporation	NJR	4.66%	0.60	0.75	0.68	12.23%	7.57%	9.78%	10.39%
NiSource Inc.	NI	4.66%	0.66	0.85	0.76	12.23%	7.57%	10.39%	10.85%
Northwest Natural Holding Co.	NWN	4.66%	0.57	0.80	0.68	12.23%	7.57%	9.84%	10.44%
ONE Gas, Inc.	OGS	4.66%	0.56	0.75	0.66	12.23%	7.57%	9.63%	10.28%
Southwest Gas Holdings, Inc.	SWX	4.66%	0.65	0.80	0.72	12.23%	7.57%	10.13%	10.66%
							Proxy Group Mean:	9.97%	10.54%
							Proxy Group Median:	9.95%	10.52%
							Average of the Mean and Median:	**9.96%**	**10.53%**

Notes:
[1] Source: Federal Reserve Bank of St. Louis (FRED); 30-day average
[2] Source: Bloomberg Professional Service
[3] Source: Value Line
[4] Equals Average of Col. [2] and Col. [3]
[5] Kroll, Cost of Capital Navigator
[6] Equals Col. [5] - Col. [1]
[7] Equals Col. [1] + (Col. [4] x Col. [6])
[8] Equals Col. [1] + (0.75 x Col. [4] x Col. [6]) + (0.25 x Col. [6])
[9] Blue Chip Financial Forecasts, Vol. 45, No. 3, February 27, 2026, at 2; Vol. 44, No. 12, December 1, 2025 at 14
[10] See Note [2]
[11] See Note [3]
[12] Equals Average of Col. [10] and Col. [11]
[13] See Note [5]
[14] Equals Col. [13] - Col. [9]
[15] Equals Col. [9] + (Col. [12] x Col. [14])
[16] Equals Col. [9] + (0.75 x Col. [12] x Col. [14]) + (0.25 x Col. [14])

Capital Asset Pricing Model and Empirical Capital Asset Pricing Model Results
Using Long-Term Average Historical Market Return and 10-Year Bloomberg Beta Coefficient

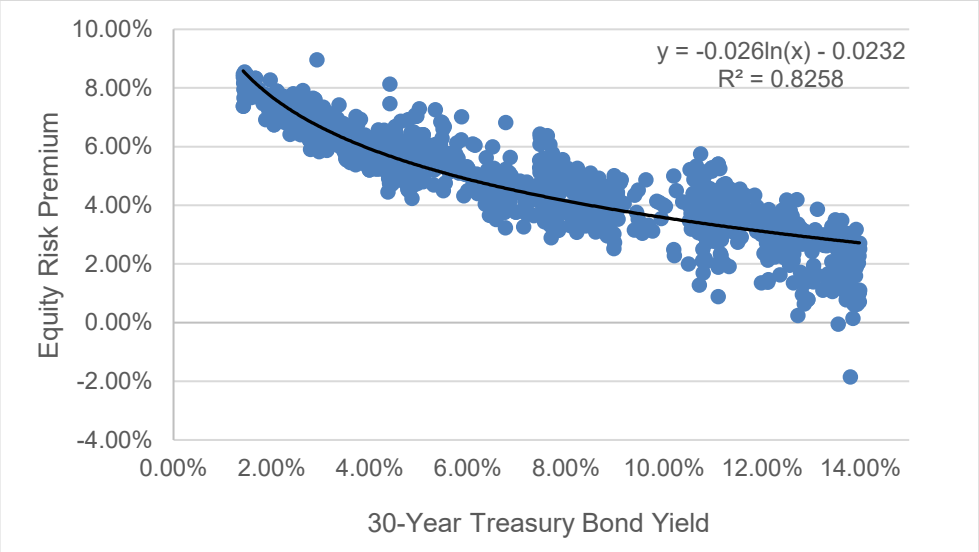
		[1]	[2]	[3]	[4]	[5]	[6]
Company	Ticker	Current 30-Year Treasury Yield	10-Year Bloomberg Beta Coefficient	Long-Term Average Historical Market Return (1926-2025)	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.79%	0.72	12.23%	7.44%	10.14%	10.66%
New Jersey Resources Corporation	NJR	4.79%	0.75	12.23%	7.44%	10.40%	10.86%
NiSource Inc.	NI	4.79%	0.77	12.23%	7.44%	10.50%	10.93%
Northwest Natural Holding Co.	NWN	4.79%	0.68	12.23%	7.44%	9.82%	10.43%
ONE Gas, Inc.	OGS	4.79%	0.73	12.23%	7.44%	10.23%	10.73%
Southwest Gas Holdings, Inc.	SWX	4.79%	0.81	12.23%	7.44%	10.81%	11.16%
					Proxy Group Mean:	10.32%	10.80%
					Proxy Group Median:	10.32%	10.79%
					Average of the Mean and Median:	**10.32%**	**10.79%**

		[7]	[8]	[9]	[10]	[11]	[12]
Company	Ticker	Current 30-Year Treasury Yield	10-Year Bloomberg Beta Coefficient	Long-Term Average Historical Market Return (1926-2025)	Market Risk Premium	Traditional CAPM	Empirical CAPM
Atmos Energy Corporation	ATO	4.66%	0.72	12.23%	7.57%	10.10%	10.63%
New Jersey Resources Corporation	NJR	4.66%	0.75	12.23%	7.57%	10.37%	10.83%
NiSource Inc.	NI	4.66%	0.77	12.23%	7.57%	10.47%	10.91%
Northwest Natural Holding Co.	NWN	4.66%	0.68	12.23%	7.57%	9.78%	10.39%
ONE Gas, Inc.	OGS	4.66%	0.73	12.23%	7.57%	10.19%	10.70%
Southwest Gas Holdings, Inc.	SWX	4.66%	0.81	12.23%	7.57%	10.78%	11.14%
					Proxy Group Mean:	10.28%	10.77%
					Proxy Group Median:	10.28%	10.77%
					Average of the Mean and Median:	**10.28%**	**10.77%**

Notes:
[1] Source: Federal Reserve Bank of St. Louis (FRED); 30-day average
[2] Source: Bloomberg Professional Service
[3] Kroll, Cost of Capital Navigator
[4] Equals Col. [3] - Col. [1]
[5] Equals Col. [1] + (Col. [2] x Col. [4])
[6] Equals Col. [1] + (0.75 x Col. [2] x Col. [4]) + (0.25 x Col. [4])
[7] Blue Chip Financial Forecasts, Vol. 45, No. 3, February 27, 2026, at 2; Vol. 44, No. 12, December 1, 2025 at 14
[8] See Note [2]
[9] See Note [3]
[10] Equals Col. [9] - Col. [7]
[11] Equals Col. [7] + (Col. [8] x Col. [10])
[12] Equals Col. [7] + (0.75 x Col. [8] x Col. [10]) + (0.25 x Col. [10])

Bond Yield Plus Risk Premium

[1]	[2]	[3]	[4]	[5]
Constant	Slope	30-Year Treasury Yield	Risk Premium	Return on Equity
-2.32%	-2.56%			
Current 30-Year Treasury		4.79%	5.47%	10.26%
Projected 30-Year Treasury		4.66%	5.54%	10.20%



Notes:
[1] Constant of regression equation
[2] Slope of regression equation
[3] Sources: Current = Federal Reserve Bank of St. Louis (FRED),
Projected = Average of near-term and long-term projected 30-year Treasury yield from
Blue Chip Financial Forecasts, Vol. 45, No. 3, February 27, 2026, at 2 and
Blue Chip Financial Forecasts, Vol. 44, No. 12, December 1, 2025 at 14
[4] Equals Col. [1] + ln(Col. [3]) x Col. [2]
[5] Equals Col. [3] + Col. [4]
[6] Source: S&P Capital IQ
[7] Source: S&P Capital IQ
[8] Source: Bloomberg Professional Service, equals 189-trading day average (i.e. lag period)
[9] Equals Col. [7] - Col. [8]

Bond Yield Plus Risk Premium

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
1/3/1980	12.55%	9.39%	3.16%
1/4/1980	13.75%	9.40%	4.35%
1/14/1980	13.20%	9.44%	3.76%
1/18/1980	14.00%	9.47%	4.53%
1/31/1980	12.61%	9.56%	3.05%
2/8/1980	14.50%	9.63%	4.87%
2/14/1980	13.00%	9.67%	3.33%
2/15/1980	13.00%	9.69%	3.31%
2/29/1980	14.00%	9.85%	4.15%
3/5/1980	14.00%	9.90%	4.10%
3/7/1980	13.50%	9.94%	3.56%
3/14/1980	14.00%	10.03%	3.97%
3/27/1980	12.69%	10.19%	2.50%
4/1/1980	14.75%	10.25%	4.50%
4/29/1980	12.50%	10.50%	2.00%
5/7/1980	14.27%	10.55%	3.72%
5/8/1980	13.75%	10.55%	3.20%
5/19/1980	15.50%	10.61%	4.89%
5/27/1980	14.60%	10.64%	3.96%
5/29/1980	16.00%	10.66%	5.34%
6/10/1980	13.78%	10.70%	3.08%
6/25/1980	14.25%	10.73%	3.52%
7/9/1980	14.51%	10.77%	3.74%
7/17/1980	12.90%	10.78%	2.12%
7/18/1980	13.80%	10.79%	3.01%
7/22/1980	14.10%	10.79%	3.31%
7/23/1980	14.19%	10.79%	3.40%
8/1/1980	12.50%	10.80%	1.70%
8/11/1980	14.85%	10.81%	4.04%
8/21/1980	13.03%	10.84%	2.19%
8/28/1980	14.00%	10.87%	3.13%
8/28/1980	13.61%	10.87%	2.74%
9/4/1980	14.00%	10.89%	3.11%
9/24/1980	15.00%	10.98%	4.02%
10/9/1980	14.50%	11.05%	3.45%
10/9/1980	14.50%	11.05%	3.45%
10/24/1980	14.00%	11.09%	2.91%
10/27/1980	15.20%	11.10%	4.10%
10/27/1980	15.20%	11.10%	4.10%
10/28/1980	13.00%	11.10%	1.90%
10/28/1980	12.00%	11.10%	0.90%
10/31/1980	14.50%	11.12%	3.38%
11/4/1980	15.00%	11.13%	3.87%
11/6/1980	14.35%	11.13%	3.22%
11/10/1980	13.25%	11.14%	2.11%
11/17/1980	15.50%	11.15%	4.35%
11/19/1980	13.50%	11.15%	2.35%
12/5/1980	14.60%	11.14%	3.46%
12/8/1980	16.40%	11.14%	5.26%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
12/12/1980	15.45%	11.15%	4.30%
12/17/1980	14.40%	11.16%	3.24%
12/17/1980	14.20%	11.16%	3.04%
12/18/1980	14.00%	11.17%	2.83%
12/22/1980	13.45%	11.16%	2.29%
12/26/1980	14.00%	11.15%	2.85%
12/30/1980	14.50%	11.15%	3.35%
12/31/1980	14.56%	11.15%	3.41%
1/7/1981	14.30%	11.14%	3.16%
1/12/1981	14.95%	11.14%	3.81%
1/26/1981	15.25%	11.20%	4.05%
1/30/1981	13.25%	11.23%	2.02%
2/11/1981	14.50%	11.33%	3.17%
2/20/1981	14.50%	11.39%	3.11%
3/12/1981	15.65%	11.59%	4.06%
3/25/1981	15.30%	11.73%	3.57%
4/1/1981	15.30%	11.81%	3.49%
4/8/1981	15.00%	11.88%	3.12%
4/29/1981	13.50%	12.11%	1.39%
4/29/1981	14.25%	12.11%	2.14%
4/30/1981	15.00%	12.13%	2.87%
4/30/1981	13.60%	12.13%	1.47%
5/21/1981	14.00%	12.37%	1.63%
6/3/1981	14.67%	12.45%	2.22%
6/22/1981	16.00%	12.57%	3.43%
6/25/1981	14.75%	12.59%	2.16%
7/2/1981	14.00%	12.64%	1.36%
7/10/1981	16.00%	12.68%	3.32%
7/14/1981	16.90%	12.71%	4.19%
7/21/1981	15.78%	12.77%	3.01%
7/27/1981	15.50%	12.82%	2.68%
7/27/1981	13.77%	12.82%	0.95%
7/31/1981	13.50%	12.86%	0.64%
7/31/1981	14.20%	12.86%	1.34%
8/12/1981	13.72%	12.93%	0.79%
8/12/1981	13.72%	12.93%	0.79%
8/12/1981	14.41%	12.93%	1.48%
8/25/1981	15.45%	13.01%	2.44%
8/27/1981	14.43%	13.04%	1.39%
8/28/1981	15.00%	13.05%	1.95%
9/23/1981	14.34%	13.23%	1.11%
9/24/1981	16.25%	13.25%	3.00%
9/29/1981	14.50%	13.30%	1.20%
9/30/1981	15.94%	13.32%	2.62%
10/2/1981	14.80%	13.35%	1.45%
10/12/1981	16.25%	13.42%	2.83%
10/20/1981	16.50%	13.49%	3.01%
10/20/1981	17.00%	13.49%	3.51%
10/20/1981	15.25%	13.49%	1.76%
10/23/1981	15.50%	13.53%	1.97%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
10/26/1981	13.50%	13.55%	-0.05%
10/29/1981	16.50%	13.59%	2.91%
11/4/1981	15.33%	13.62%	1.71%
11/6/1981	15.17%	13.63%	1.54%
11/12/1981	15.00%	13.64%	1.36%
11/25/1981	15.25%	13.66%	1.59%
11/25/1981	16.10%	13.66%	2.44%
11/25/1981	16.10%	13.66%	2.44%
11/30/1981	16.75%	13.65%	3.10%
12/1/1981	16.00%	13.65%	2.35%
12/1/1981	15.70%	13.65%	2.05%
12/15/1981	15.81%	13.68%	2.13%
12/17/1981	14.75%	13.70%	1.05%
12/22/1981	15.70%	13.71%	1.99%
12/22/1981	16.00%	13.71%	2.29%
12/30/1981	16.25%	13.74%	2.51%
12/30/1981	16.00%	13.74%	2.26%
1/4/1982	15.50%	13.74%	1.76%
1/14/1982	11.95%	13.80%	-1.85%
1/25/1982	16.25%	13.84%	2.41%
1/27/1982	16.84%	13.85%	2.99%
1/31/1982	14.00%	13.85%	0.15%
2/2/1982	16.24%	13.86%	2.38%
2/8/1982	15.50%	13.87%	1.63%
2/9/1982	14.95%	13.88%	1.07%
2/9/1982	15.75%	13.88%	1.87%
2/11/1982	16.00%	13.89%	2.11%
3/1/1982	15.96%	13.91%	2.05%
3/3/1982	15.00%	13.91%	1.09%
3/8/1982	17.10%	13.91%	3.19%
3/26/1982	16.00%	13.96%	2.04%
3/31/1982	16.25%	13.97%	2.28%
4/1/1982	16.50%	13.98%	2.52%
4/5/1982	15.00%	13.98%	1.02%
4/8/1982	16.50%	13.99%	2.51%
4/11/1982	15.10%	13.99%	1.11%
4/11/1982	16.70%	13.99%	2.71%
4/17/1982	14.70%	13.98%	0.72%
4/27/1982	15.00%	13.97%	1.03%
5/10/1982	14.57%	13.94%	0.63%
5/14/1982	15.80%	13.92%	1.88%
5/20/1982	15.82%	13.91%	1.91%
5/21/1982	15.50%	13.90%	1.60%
5/25/1982	16.25%	13.90%	2.35%
6/2/1982	14.50%	13.87%	0.63%
6/7/1982	16.00%	13.86%	2.14%
6/23/1982	15.50%	13.81%	1.69%
6/25/1982	16.50%	13.81%	2.69%
7/1/1982	16.00%	13.80%	2.20%
7/1/1982	15.55%	13.80%	1.75%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
7/2/1982	15.10%	13.79%	1.31%
7/13/1982	16.80%	13.76%	3.04%
7/22/1982	14.50%	13.72%	0.78%
7/28/1982	16.10%	13.69%	2.41%
7/30/1982	14.82%	13.67%	1.15%
8/4/1982	15.58%	13.65%	1.93%
8/6/1982	16.50%	13.63%	2.87%
8/11/1982	17.11%	13.62%	3.49%
8/25/1982	16.00%	13.58%	2.42%
8/30/1982	16.25%	13.58%	2.67%
9/3/1982	15.50%	13.56%	1.94%
9/9/1982	16.04%	13.55%	2.49%
9/15/1982	16.04%	13.52%	2.52%
9/17/1982	15.25%	13.51%	1.74%
9/29/1982	14.50%	13.43%	1.07%
9/30/1982	14.74%	13.42%	1.32%
9/30/1982	16.50%	13.42%	3.08%
9/30/1982	15.50%	13.42%	2.08%
9/30/1982	16.70%	13.42%	3.28%
10/1/1982	16.50%	13.41%	3.09%
10/8/1982	15.00%	13.34%	1.66%
10/15/1982	15.90%	13.26%	2.64%
10/19/1982	15.90%	13.23%	2.67%
10/27/1982	17.00%	13.13%	3.87%
10/28/1982	14.75%	13.11%	1.64%
11/2/1982	16.25%	13.08%	3.17%
11/4/1982	15.75%	13.04%	2.71%
11/5/1982	14.73%	13.02%	1.71%
11/17/1982	16.00%	12.87%	3.13%
11/23/1982	15.50%	12.79%	2.71%
11/24/1982	14.50%	12.78%	1.72%
11/24/1982	16.02%	12.78%	3.24%
11/30/1982	15.65%	12.73%	2.92%
11/30/1982	16.10%	12.73%	3.37%
11/30/1982	15.50%	12.73%	2.77%
11/30/1982	15.50%	12.73%	2.77%
11/30/1982	16.00%	12.73%	3.27%
11/30/1982	12.98%	12.73%	0.25%
12/3/1982	15.33%	12.68%	2.65%
12/8/1982	15.75%	12.64%	3.11%
12/13/1982	16.00%	12.59%	3.41%
12/14/1982	16.40%	12.57%	3.83%
12/17/1982	16.25%	12.53%	3.72%
12/20/1982	15.00%	12.51%	2.49%
12/21/1982	15.70%	12.50%	3.20%
12/28/1982	15.25%	12.43%	2.82%
12/28/1982	15.25%	12.43%	2.82%
12/29/1982	16.25%	12.41%	3.84%
12/29/1982	16.25%	12.41%	3.84%
1/11/1983	15.90%	12.26%	3.64%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
1/12/1983	15.50%	12.25%	3.25%
1/18/1983	15.00%	12.19%	2.81%
1/24/1983	15.50%	12.14%	3.36%
1/24/1983	16.00%	12.14%	3.86%
1/28/1983	14.90%	12.09%	2.81%
1/31/1983	15.00%	12.07%	2.93%
2/10/1983	15.00%	11.98%	3.02%
2/25/1983	15.70%	11.85%	3.85%
3/2/1983	15.25%	11.80%	3.45%
3/16/1983	16.00%	11.64%	4.36%
3/21/1983	14.96%	11.58%	3.38%
3/23/1983	15.40%	11.54%	3.86%
3/23/1983	16.10%	11.54%	4.56%
3/24/1983	15.00%	11.53%	3.47%
4/11/1983	13.25%	11.33%	1.92%
4/29/1983	15.05%	11.11%	3.94%
5/3/1983	15.40%	11.08%	4.32%
5/9/1983	15.50%	11.01%	4.49%
5/19/1983	14.85%	10.90%	3.95%
5/31/1983	14.00%	10.85%	3.15%
6/2/1983	14.50%	10.83%	3.67%
6/7/1983	14.50%	10.81%	3.69%
6/9/1983	14.85%	10.80%	4.05%
6/20/1983	14.15%	10.74%	3.41%
6/20/1983	16.50%	10.74%	5.76%
6/27/1983	14.50%	10.72%	3.78%
6/30/1983	14.80%	10.71%	4.09%
6/30/1983	15.90%	10.71%	5.19%
7/1/1983	14.80%	10.70%	4.10%
7/5/1983	15.00%	10.70%	4.30%
7/8/1983	15.50%	10.69%	4.81%
7/19/1983	15.00%	10.71%	4.29%
7/19/1983	15.10%	10.71%	4.39%
8/18/1983	15.30%	10.81%	4.49%
8/19/1983	15.79%	10.82%	4.97%
8/29/1983	16.00%	10.85%	5.15%
8/31/1983	14.75%	10.86%	3.89%
8/31/1983	15.25%	10.86%	4.39%
9/8/1983	14.75%	10.89%	3.86%
9/16/1983	15.51%	10.93%	4.58%
9/26/1983	14.50%	10.96%	3.54%
9/28/1983	14.25%	10.97%	3.28%
9/30/1983	16.15%	10.98%	5.17%
9/30/1983	16.25%	10.98%	5.27%
10/1/1983	16.25%	10.98%	5.27%
10/13/1983	15.52%	11.02%	4.50%
10/19/1983	15.20%	11.04%	4.16%
10/26/1983	14.75%	11.06%	3.69%
10/27/1983	14.88%	11.07%	3.81%
10/27/1983	15.33%	11.07%	4.26%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
11/9/1983	14.82%	11.10%	3.72%
11/9/1983	16.51%	11.10%	5.41%
11/9/1983	16.51%	11.10%	5.41%
12/1/1983	14.50%	11.17%	3.33%
12/8/1983	15.90%	11.20%	4.70%
12/9/1983	15.30%	11.21%	4.09%
12/12/1983	14.50%	11.21%	3.29%
12/12/1983	15.50%	11.21%	4.29%
12/20/1983	16.00%	11.26%	4.74%
12/20/1983	15.40%	11.26%	4.14%
12/22/1983	15.75%	11.27%	4.48%
12/29/1983	15.00%	11.29%	3.71%
12/30/1983	15.00%	11.30%	3.70%
1/10/1984	15.90%	11.34%	4.56%
1/13/1984	15.50%	11.36%	4.14%
1/18/1984	15.53%	11.38%	4.15%
1/26/1984	15.90%	11.41%	4.49%
2/14/1984	14.25%	11.50%	2.75%
2/28/1984	14.50%	11.58%	2.92%
3/20/1984	16.00%	11.69%	4.31%
3/23/1984	15.50%	11.72%	3.78%
4/8/1984	15.20%	11.80%	3.40%
4/17/1984	16.20%	11.85%	4.35%
4/26/1984	15.85%	11.89%	3.96%
5/15/1984	13.35%	11.99%	1.36%
5/16/1984	15.00%	12.00%	3.00%
5/22/1984	14.40%	12.03%	2.37%
6/13/1984	15.50%	12.18%	3.32%
7/10/1984	16.00%	12.36%	3.64%
8/7/1984	16.69%	12.50%	4.19%
8/9/1984	15.33%	12.51%	2.82%
8/17/1984	14.82%	12.53%	2.29%
8/21/1984	14.64%	12.54%	2.10%
8/27/1984	14.52%	12.56%	1.96%
8/28/1984	14.75%	12.56%	2.19%
8/30/1984	15.60%	12.57%	3.03%
9/12/1984	15.60%	12.60%	3.00%
9/12/1984	15.90%	12.60%	3.30%
9/25/1984	16.25%	12.61%	3.64%
10/2/1984	14.80%	12.62%	2.18%
10/9/1984	14.75%	12.63%	2.12%
10/10/1984	15.50%	12.63%	2.87%
10/18/1984	15.00%	12.64%	2.36%
10/24/1984	15.50%	12.64%	2.86%
11/7/1984	15.00%	12.64%	2.36%
11/20/1984	15.92%	12.62%	3.30%
11/30/1984	15.50%	12.60%	2.90%
12/18/1984	15.00%	12.55%	2.45%
12/20/1984	15.00%	12.53%	2.47%
12/28/1984	15.75%	12.51%	3.24%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
12/28/1984	16.25%	12.51%	3.74%
1/2/1985	16.00%	12.50%	3.50%
1/31/1985	14.75%	12.37%	2.38%
2/7/1985	14.85%	12.33%	2.52%
2/15/1985	15.00%	12.28%	2.72%
2/20/1985	14.50%	12.26%	2.24%
2/22/1985	14.86%	12.26%	2.60%
3/14/1985	15.50%	12.17%	3.33%
3/28/1985	14.80%	12.09%	2.71%
4/8/1985	15.50%	12.04%	3.46%
4/15/1985	15.70%	11.98%	3.72%
6/10/1985	15.75%	11.59%	4.16%
6/26/1985	14.82%	11.47%	3.35%
7/9/1985	15.00%	11.39%	3.61%
7/26/1985	14.50%	11.27%	3.23%
8/29/1985	14.50%	11.12%	3.38%
8/30/1985	14.38%	11.11%	3.27%
9/12/1985	15.25%	11.07%	4.18%
9/23/1985	15.30%	11.04%	4.26%
9/25/1985	14.50%	11.03%	3.47%
9/26/1985	13.80%	11.02%	2.78%
9/26/1985	14.50%	11.02%	3.48%
10/25/1985	15.25%	10.92%	4.33%
11/8/1985	12.94%	10.86%	2.08%
11/20/1985	14.90%	10.81%	4.09%
11/25/1985	13.30%	10.79%	2.51%
12/6/1985	12.00%	10.72%	1.28%
12/11/1985	14.90%	10.69%	4.21%
12/20/1985	15.00%	10.60%	4.40%
12/20/1985	14.88%	10.60%	4.28%
12/20/1985	15.00%	10.60%	4.40%
12/30/1985	15.75%	10.53%	5.22%
12/31/1985	14.00%	10.52%	3.48%
12/31/1985	14.50%	10.52%	3.98%
1/17/1986	14.50%	10.38%	4.12%
2/11/1986	12.50%	10.21%	2.29%
2/12/1986	15.20%	10.20%	5.00%
3/11/1986	14.00%	9.98%	4.02%
4/2/1986	12.90%	9.77%	3.13%
4/28/1986	13.01%	9.47%	3.54%
5/21/1986	13.25%	9.19%	4.06%
5/28/1986	14.00%	9.12%	4.88%
5/29/1986	13.90%	9.11%	4.79%
6/2/1986	13.00%	9.08%	3.92%
6/11/1986	14.00%	8.98%	5.02%
6/13/1986	13.55%	8.95%	4.60%
6/27/1986	11.88%	8.78%	3.10%
7/14/1986	12.60%	8.60%	4.00%
7/30/1986	13.30%	8.39%	4.91%
8/14/1986	13.50%	8.23%	5.27%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/5/1986	13.30%	8.03%	5.27%
9/23/1986	12.75%	7.91%	4.84%
10/30/1986	13.00%	7.68%	5.32%
10/31/1986	13.75%	7.67%	6.08%
11/10/1986	14.00%	7.62%	6.38%
11/19/1986	13.75%	7.57%	6.18%
11/25/1986	13.15%	7.54%	5.61%
12/22/1986	13.80%	7.48%	6.32%
12/30/1986	13.90%	7.47%	6.43%
1/20/1987	12.75%	7.47%	5.28%
1/23/1987	13.55%	7.47%	6.08%
1/27/1987	12.16%	7.47%	4.69%
2/13/1987	12.60%	7.47%	5.13%
2/24/1987	12.00%	7.47%	4.53%
3/30/1987	12.20%	7.46%	4.74%
3/31/1987	13.00%	7.46%	5.54%
5/5/1987	12.85%	7.60%	5.25%
5/28/1987	13.50%	7.72%	5.78%
6/15/1987	13.20%	7.80%	5.40%
6/30/1987	12.60%	7.85%	4.75%
7/10/1987	12.90%	7.88%	5.02%
7/27/1987	13.50%	7.93%	5.57%
8/25/1987	11.40%	8.08%	3.32%
9/18/1987	13.00%	8.27%	4.73%
10/20/1987	12.98%	8.54%	4.44%
10/20/1987	12.60%	8.54%	4.06%
11/12/1987	12.75%	8.67%	4.08%
11/13/1987	12.75%	8.68%	4.07%
11/24/1987	12.50%	8.73%	3.77%
12/8/1987	12.50%	8.81%	3.69%
12/22/1987	12.00%	8.90%	3.10%
12/31/1987	13.25%	8.93%	4.32%
12/31/1987	12.85%	8.93%	3.92%
1/15/1988	13.15%	8.98%	4.17%
1/20/1988	12.75%	8.99%	3.76%
1/29/1988	13.20%	8.99%	4.21%
2/4/1988	12.60%	8.99%	3.61%
3/23/1988	13.00%	8.94%	4.06%
5/27/1988	13.18%	9.02%	4.16%
6/14/1988	13.50%	9.00%	4.50%
6/17/1988	11.72%	8.99%	2.73%
6/24/1988	11.50%	8.97%	2.53%
7/1/1988	12.75%	8.95%	3.80%
7/8/1988	12.00%	8.94%	3.06%
7/18/1988	12.00%	8.91%	3.09%
7/20/1988	13.40%	8.90%	4.50%
8/8/1988	12.74%	8.90%	3.84%
9/20/1988	12.90%	8.93%	3.97%
9/26/1988	12.40%	8.93%	3.47%
9/27/1988	13.65%	8.93%	4.72%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/30/1988	13.25%	8.94%	4.31%
10/13/1988	13.10%	8.93%	4.17%
10/21/1988	12.80%	8.93%	3.87%
10/25/1988	13.25%	8.94%	4.31%
10/26/1988	13.50%	8.94%	4.56%
10/27/1988	12.95%	8.94%	4.01%
10/28/1988	13.00%	8.94%	4.06%
11/15/1988	12.00%	8.97%	3.03%
11/29/1988	12.75%	9.01%	3.74%
12/19/1988	13.00%	9.05%	3.95%
12/21/1988	12.90%	9.05%	3.85%
12/22/1988	13.50%	9.05%	4.45%
1/26/1989	12.60%	9.06%	3.54%
1/27/1989	13.00%	9.06%	3.94%
2/8/1989	13.37%	9.05%	4.32%
3/8/1989	13.00%	9.04%	3.96%
5/4/1989	13.00%	9.04%	3.96%
6/8/1989	13.50%	8.96%	4.54%
7/19/1989	11.80%	8.84%	2.96%
7/25/1989	12.80%	8.82%	3.98%
7/31/1989	13.00%	8.80%	4.20%
8/14/1989	12.50%	8.76%	3.74%
8/22/1989	12.80%	8.73%	4.07%
8/23/1989	12.90%	8.73%	4.17%
9/21/1989	12.10%	8.63%	3.47%
10/6/1989	13.00%	8.58%	4.42%
10/17/1989	12.41%	8.54%	3.87%
10/18/1989	13.25%	8.54%	4.71%
10/20/1989	12.90%	8.53%	4.37%
10/31/1989	13.60%	8.50%	5.10%
11/3/1989	12.93%	8.48%	4.45%
11/5/1989	13.20%	8.48%	4.72%
11/9/1989	13.00%	8.46%	4.54%
11/9/1989	12.60%	8.46%	4.14%
11/28/1989	12.75%	8.38%	4.37%
12/7/1989	13.25%	8.38%	4.87%
12/15/1989	13.00%	8.38%	4.62%
12/20/1989	12.90%	8.38%	4.52%
12/21/1989	12.90%	8.38%	4.52%
12/21/1989	12.80%	8.38%	4.42%
12/27/1989	12.50%	8.38%	4.12%
1/9/1990	13.00%	8.35%	4.65%
1/18/1990	12.50%	8.31%	4.19%
1/26/1990	12.10%	8.28%	3.82%
3/21/1990	12.80%	8.20%	4.60%
3/28/1990	13.00%	8.20%	4.80%
4/5/1990	12.20%	8.21%	3.99%
4/12/1990	13.25%	8.21%	5.04%
4/30/1990	12.45%	8.26%	4.19%
5/31/1990	12.40%	8.34%	4.06%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
6/15/1990	13.20%	8.36%	4.84%
6/27/1990	12.90%	8.37%	4.53%
6/29/1990	13.25%	8.37%	4.88%
7/6/1990	12.10%	8.38%	3.72%
7/19/1990	11.70%	8.40%	3.30%
8/31/1990	12.50%	8.52%	3.98%
8/31/1990	12.50%	8.52%	3.98%
9/13/1990	12.50%	8.58%	3.92%
9/18/1990	12.75%	8.59%	4.16%
9/20/1990	12.50%	8.61%	3.89%
10/2/1990	13.00%	8.65%	4.35%
10/17/1990	11.90%	8.68%	3.22%
10/31/1990	12.95%	8.70%	4.25%
11/9/1990	13.25%	8.70%	4.55%
11/19/1990	13.00%	8.70%	4.30%
11/21/1990	12.50%	8.70%	3.80%
11/21/1990	12.10%	8.70%	3.40%
11/28/1990	12.75%	8.70%	4.05%
11/29/1990	12.75%	8.70%	4.05%
12/18/1990	13.10%	8.68%	4.42%
12/20/1990	12.50%	8.67%	3.83%
12/21/1990	13.00%	8.67%	4.33%
12/21/1990	13.60%	8.67%	4.93%
12/21/1990	12.50%	8.67%	3.83%
1/3/1991	13.02%	8.66%	4.36%
1/16/1991	13.25%	8.64%	4.61%
1/25/1991	11.70%	8.61%	3.09%
2/15/1991	12.80%	8.56%	4.24%
2/15/1991	12.70%	8.56%	4.14%
4/3/1991	13.00%	8.51%	4.49%
4/30/1991	12.45%	8.48%	3.97%
4/30/1991	13.00%	8.48%	4.52%
6/25/1991	11.70%	8.35%	3.35%
6/28/1991	12.50%	8.34%	4.16%
7/1/1991	11.70%	8.34%	3.36%
7/19/1991	12.10%	8.31%	3.79%
7/19/1991	12.30%	8.31%	3.99%
7/22/1991	12.90%	8.31%	4.59%
8/15/1991	12.25%	8.28%	3.97%
8/29/1991	13.30%	8.26%	5.04%
9/27/1991	12.50%	8.23%	4.27%
9/30/1991	12.40%	8.23%	4.17%
10/3/1991	11.30%	8.22%	3.08%
10/9/1991	11.70%	8.21%	3.49%
10/15/1991	13.40%	8.20%	5.20%
11/1/1991	12.90%	8.20%	4.70%
11/8/1991	12.75%	8.20%	4.55%
11/26/1991	11.60%	8.18%	3.42%
11/26/1991	12.00%	8.18%	3.82%
11/27/1991	12.70%	8.18%	4.52%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
12/6/1991	12.70%	8.16%	4.54%
12/10/1991	11.75%	8.16%	3.59%
12/19/1991	12.80%	8.14%	4.66%
12/19/1991	12.60%	8.14%	4.46%
12/30/1991	12.10%	8.11%	3.99%
1/22/1992	12.84%	8.05%	4.79%
1/31/1992	12.00%	8.03%	3.97%
2/20/1992	13.00%	8.00%	5.00%
2/27/1992	11.75%	7.99%	3.76%
3/18/1992	12.50%	7.95%	4.55%
5/15/1992	12.75%	7.87%	4.88%
6/24/1992	12.20%	7.85%	4.35%
6/29/1992	11.00%	7.85%	3.15%
7/14/1992	12.00%	7.83%	4.17%
7/22/1992	11.20%	7.82%	3.38%
8/10/1992	12.10%	7.79%	4.31%
8/26/1992	12.43%	7.75%	4.68%
9/30/1992	11.60%	7.72%	3.88%
10/6/1992	12.25%	7.72%	4.53%
10/13/1992	12.75%	7.71%	5.04%
10/23/1992	11.65%	7.71%	3.94%
10/28/1992	12.25%	7.71%	4.54%
10/29/1992	12.75%	7.71%	5.04%
10/30/1992	11.40%	7.70%	3.70%
11/9/1992	10.60%	7.70%	2.90%
11/25/1992	11.00%	7.68%	3.32%
11/25/1992	12.00%	7.68%	4.32%
12/3/1992	11.85%	7.67%	4.18%
12/16/1992	11.90%	7.64%	4.26%
12/22/1992	12.40%	7.63%	4.77%
12/22/1992	12.30%	7.63%	4.67%
12/30/1992	12.00%	7.61%	4.39%
12/31/1992	12.00%	7.61%	4.39%
1/12/1993	12.00%	7.59%	4.41%
1/12/1993	12.00%	7.59%	4.41%
2/2/1993	11.40%	7.53%	3.87%
2/22/1993	11.60%	7.48%	4.12%
4/23/1993	11.75%	7.27%	4.48%
5/3/1993	11.75%	7.25%	4.50%
5/3/1993	11.50%	7.25%	4.25%
6/3/1993	12.00%	7.20%	4.80%
6/7/1993	11.50%	7.20%	4.30%
6/22/1993	11.75%	7.16%	4.59%
7/21/1993	11.78%	7.07%	4.71%
7/21/1993	11.90%	7.07%	4.83%
7/23/1993	11.50%	7.06%	4.44%
7/29/1993	11.50%	7.03%	4.47%
8/12/1993	10.75%	6.98%	3.77%
8/24/1993	11.50%	6.92%	4.58%
8/31/1993	11.90%	6.88%	5.02%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/1/1993	11.47%	6.88%	4.59%
9/1/1993	11.25%	6.88%	4.37%
9/27/1993	10.50%	6.74%	3.76%
9/29/1993	11.00%	6.73%	4.27%
9/30/1993	11.60%	6.72%	4.88%
10/8/1993	11.50%	6.68%	4.82%
10/14/1993	11.20%	6.65%	4.55%
10/15/1993	11.75%	6.65%	5.10%
10/25/1993	11.55%	6.60%	4.95%
10/28/1993	11.50%	6.58%	4.92%
10/29/1993	10.20%	6.58%	3.62%
10/29/1993	10.10%	6.58%	3.52%
10/29/1993	11.25%	6.58%	4.67%
11/2/1993	10.80%	6.56%	4.24%
11/12/1993	11.80%	6.53%	5.27%
11/23/1993	12.50%	6.51%	5.99%
11/26/1993	11.00%	6.50%	4.50%
12/1/1993	11.45%	6.49%	4.96%
12/16/1993	10.60%	6.46%	4.14%
12/16/1993	11.20%	6.46%	4.74%
12/21/1993	11.30%	6.45%	4.85%
12/22/1993	11.00%	6.44%	4.56%
12/23/1993	10.10%	6.44%	3.66%
1/5/1994	11.50%	6.41%	5.09%
1/10/1994	11.00%	6.40%	4.60%
1/25/1994	12.00%	6.37%	5.63%
2/2/1994	10.40%	6.35%	4.05%
2/9/1994	10.70%	6.34%	4.36%
4/6/1994	11.24%	6.35%	4.89%
4/25/1994	11.00%	6.39%	4.61%
6/16/1994	10.50%	6.63%	3.87%
6/23/1994	10.60%	6.67%	3.93%
7/19/1994	10.70%	6.83%	3.87%
9/29/1994	11.00%	7.20%	3.80%
9/29/1994	10.90%	7.20%	3.70%
10/7/1994	11.87%	7.25%	4.62%
10/18/1994	11.50%	7.31%	4.19%
10/18/1994	11.50%	7.31%	4.19%
10/24/1994	11.00%	7.35%	3.65%
11/22/1994	12.12%	7.52%	4.60%
11/29/1994	11.30%	7.55%	3.75%
12/1/1994	11.00%	7.56%	3.44%
12/8/1994	11.50%	7.59%	3.91%
12/8/1994	11.70%	7.59%	4.11%
12/12/1994	11.82%	7.60%	4.22%
12/14/1994	11.50%	7.61%	3.89%
12/19/1994	11.50%	7.62%	3.88%
4/19/1995	11.00%	7.71%	3.29%
9/11/1995	11.30%	7.16%	4.14%
9/15/1995	10.40%	7.13%	3.27%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/29/1995	11.50%	7.06%	4.44%
10/13/1995	10.76%	6.99%	3.77%
11/7/1995	12.50%	6.87%	5.63%
11/8/1995	11.30%	6.86%	4.44%
11/8/1995	11.10%	6.86%	4.24%
11/17/1995	10.90%	6.81%	4.09%
11/20/1995	11.40%	6.80%	4.60%
11/27/1995	13.60%	6.77%	6.83%
12/14/1995	11.30%	6.68%	4.62%
12/20/1995	11.60%	6.65%	4.95%
1/31/1996	11.30%	6.46%	4.84%
3/11/1996	11.60%	6.40%	5.20%
4/3/1996	11.13%	6.41%	4.72%
4/15/1996	10.50%	6.41%	4.09%
4/17/1996	10.77%	6.41%	4.36%
4/26/1996	10.60%	6.40%	4.20%
5/10/1996	11.00%	6.41%	4.59%
5/13/1996	11.25%	6.41%	4.84%
7/3/1996	11.25%	6.49%	4.76%
7/22/1996	11.25%	6.54%	4.71%
10/3/1996	10.00%	6.77%	3.23%
10/29/1996	11.30%	6.84%	4.46%
11/26/1996	11.30%	6.86%	4.44%
11/27/1996	11.30%	6.86%	4.44%
11/29/1996	11.00%	6.85%	4.15%
12/12/1996	11.96%	6.85%	5.11%
12/17/1996	11.50%	6.85%	4.65%
1/22/1997	11.30%	6.83%	4.47%
1/27/1997	11.25%	6.83%	4.42%
1/31/1997	11.25%	6.83%	4.42%
2/13/1997	11.00%	6.82%	4.18%
2/13/1997	11.80%	6.82%	4.98%
2/20/1997	11.80%	6.81%	4.99%
3/27/1997	10.75%	6.79%	3.96%
4/29/1997	11.70%	6.80%	4.90%
7/17/1997	12.00%	6.77%	5.23%
10/29/1997	10.75%	6.70%	4.05%
10/31/1997	11.25%	6.70%	4.55%
12/24/1997	10.75%	6.53%	4.22%
4/28/1998	10.90%	6.11%	4.79%
4/30/1998	12.20%	6.10%	6.10%
6/30/1998	11.00%	5.94%	5.06%
8/26/1998	10.93%	5.82%	5.11%
9/3/1998	11.40%	5.80%	5.60%
9/15/1998	11.90%	5.77%	6.13%
10/7/1998	11.06%	5.70%	5.36%
10/30/1998	11.40%	5.63%	5.77%
12/10/1998	12.20%	5.52%	6.68%
12/17/1998	12.10%	5.49%	6.61%
2/19/1999	11.15%	5.32%	5.83%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
3/1/1999	10.65%	5.31%	5.34%
3/1/1999	10.65%	5.31%	5.34%
6/8/1999	11.25%	5.35%	5.90%
11/12/1999	10.25%	5.92%	4.33%
12/14/1999	10.50%	5.99%	4.51%
1/28/2000	10.71%	6.16%	4.55%
2/17/2000	10.60%	6.20%	4.40%
5/25/2000	10.80%	6.19%	4.61%
6/19/2000	11.05%	6.18%	4.87%
6/22/2000	11.25%	6.18%	5.07%
7/17/2000	11.06%	6.15%	4.91%
7/20/2000	12.20%	6.14%	6.06%
8/11/2000	11.00%	6.11%	4.89%
9/27/2000	11.25%	6.01%	5.24%
9/29/2000	11.16%	6.00%	5.16%
10/5/2000	11.30%	5.98%	5.32%
11/28/2000	12.90%	5.87%	7.03%
11/30/2000	12.10%	5.87%	6.23%
2/5/2001	11.50%	5.76%	5.74%
3/15/2001	11.25%	5.67%	5.58%
5/8/2001	10.75%	5.61%	5.14%
10/24/2001	11.00%	5.54%	5.46%
10/24/2001	10.30%	5.54%	4.76%
1/9/2002	10.00%	5.50%	4.50%
1/30/2002	11.00%	5.47%	5.53%
1/31/2002	11.00%	5.47%	5.53%
4/17/2002	11.50%	5.44%	6.06%
4/29/2002	11.00%	5.45%	5.55%
6/11/2002	11.77%	5.48%	6.29%
6/20/2002	12.30%	5.47%	6.83%
8/28/2002	11.00%	5.49%	5.51%
9/11/2002	11.20%	5.45%	5.75%
9/12/2002	12.30%	5.45%	6.85%
10/28/2002	11.30%	5.35%	5.95%
10/30/2002	10.60%	5.34%	5.26%
11/1/2002	12.60%	5.34%	7.26%
11/7/2002	11.40%	5.33%	6.07%
11/8/2002	10.75%	5.33%	5.42%
11/20/2002	10.50%	5.30%	5.20%
11/20/2002	10.00%	5.30%	4.70%
12/4/2002	10.75%	5.27%	5.48%
12/30/2002	11.20%	5.19%	6.01%
1/6/2003	11.25%	5.17%	6.08%
2/28/2003	12.30%	5.01%	7.29%
3/7/2003	9.96%	4.99%	4.97%
3/12/2003	11.40%	4.97%	6.43%
3/20/2003	12.00%	4.95%	7.05%
4/3/2003	12.00%	4.93%	7.07%
5/2/2003	11.40%	4.88%	6.52%
5/15/2003	11.05%	4.87%	6.18%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
6/26/2003	11.00%	4.80%	6.20%
7/1/2003	11.00%	4.80%	6.20%
7/29/2003	11.71%	4.78%	6.93%
8/22/2003	10.20%	4.82%	5.38%
9/17/2003	9.90%	4.84%	5.06%
9/25/2003	10.25%	4.85%	5.40%
10/17/2003	10.54%	4.87%	5.67%
10/22/2003	10.46%	4.87%	5.59%
10/22/2003	10.71%	4.87%	5.84%
10/30/2003	11.00%	4.88%	6.12%
10/31/2003	10.75%	4.88%	5.87%
10/31/2003	10.20%	4.88%	5.32%
11/10/2003	10.60%	4.89%	5.71%
12/9/2003	10.50%	4.93%	5.57%
12/18/2003	10.50%	4.94%	5.56%
12/19/2003	12.00%	4.94%	7.06%
12/19/2003	12.00%	4.94%	7.06%
1/13/2004	10.25%	4.95%	5.30%
1/13/2004	12.00%	4.95%	7.05%
2/9/2004	11.25%	4.98%	6.27%
3/16/2004	10.90%	5.05%	5.85%
3/16/2004	10.90%	5.05%	5.85%
5/25/2004	10.00%	5.06%	4.94%
6/2/2004	11.22%	5.07%	6.15%
6/30/2004	10.50%	5.10%	5.40%
7/8/2004	10.00%	5.10%	4.90%
7/22/2004	10.25%	5.10%	5.15%
8/26/2004	10.50%	5.10%	5.40%
8/26/2004	10.50%	5.10%	5.40%
9/9/2004	10.40%	5.10%	5.30%
9/21/2004	10.50%	5.09%	5.41%
9/27/2004	10.30%	5.09%	5.21%
9/27/2004	10.50%	5.09%	5.41%
10/20/2004	10.20%	5.08%	5.12%
11/30/2004	10.60%	5.08%	5.52%
12/8/2004	9.90%	5.09%	4.81%
12/21/2004	11.50%	5.09%	6.41%
12/22/2004	11.50%	5.09%	6.41%
12/28/2004	10.25%	5.09%	5.16%
2/18/2005	10.30%	4.95%	5.35%
3/29/2005	11.00%	4.86%	6.14%
4/13/2005	10.60%	4.84%	5.76%
4/28/2005	11.00%	4.80%	6.20%
5/17/2005	10.00%	4.77%	5.23%
6/8/2005	10.18%	4.71%	5.47%
6/10/2005	10.90%	4.71%	6.19%
7/6/2005	10.50%	4.65%	5.85%
7/19/2005	11.50%	4.63%	6.87%
8/11/2005	10.40%	4.60%	5.80%
9/19/2005	9.45%	4.53%	4.92%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/30/2005	10.51%	4.52%	5.99%
10/4/2005	9.90%	4.52%	5.38%
10/4/2005	10.75%	4.52%	6.23%
10/14/2005	10.40%	4.52%	5.88%
10/31/2005	10.25%	4.53%	5.72%
11/2/2005	9.70%	4.53%	5.17%
11/30/2005	10.00%	4.54%	5.46%
12/9/2005	9.70%	4.53%	5.17%
12/12/2005	11.00%	4.53%	6.47%
12/20/2005	10.13%	4.53%	5.60%
12/21/2005	10.40%	4.53%	5.87%
12/21/2005	11.00%	4.53%	6.47%
12/22/2005	10.20%	4.53%	5.67%
12/22/2005	11.00%	4.53%	6.47%
12/28/2005	10.00%	4.52%	5.48%
1/5/2006	11.00%	4.52%	6.48%
1/25/2006	11.20%	4.52%	6.68%
1/25/2006	11.20%	4.52%	6.68%
2/3/2006	10.50%	4.52%	5.98%
2/15/2006	9.50%	4.53%	4.97%
4/26/2006	10.60%	4.65%	5.95%
7/24/2006	10.00%	4.86%	5.14%
7/24/2006	9.60%	4.86%	4.74%
9/20/2006	11.00%	4.93%	6.07%
9/26/2006	10.75%	4.93%	5.82%
10/20/2006	9.80%	4.96%	4.84%
11/2/2006	9.71%	4.96%	4.75%
11/9/2006	10.00%	4.97%	5.03%
11/21/2006	11.00%	4.98%	6.02%
12/5/2006	10.20%	4.97%	5.23%
1/5/2007	10.40%	4.95%	5.45%
1/9/2007	11.00%	4.94%	6.06%
1/11/2007	10.90%	4.94%	5.96%
1/19/2007	10.80%	4.93%	5.87%
1/26/2007	10.00%	4.92%	5.08%
2/8/2007	10.40%	4.91%	5.49%
3/14/2007	10.10%	4.86%	5.24%
3/20/2007	10.25%	4.85%	5.40%
3/21/2007	11.35%	4.84%	6.51%
3/22/2007	10.50%	4.84%	5.66%
3/29/2007	10.00%	4.83%	5.17%
6/13/2007	10.75%	4.81%	5.94%
6/29/2007	9.53%	4.84%	4.69%
6/29/2007	10.10%	4.84%	5.26%
7/3/2007	10.25%	4.85%	5.40%
7/13/2007	9.50%	4.86%	4.64%
7/24/2007	10.40%	4.87%	5.53%
8/1/2007	10.15%	4.88%	5.27%
8/29/2007	10.50%	4.91%	5.59%
9/10/2007	9.71%	4.91%	4.80%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/19/2007	10.00%	4.91%	5.09%
9/25/2007	9.70%	4.91%	4.79%
10/8/2007	10.48%	4.92%	5.56%
10/19/2007	10.50%	4.91%	5.59%
10/25/2007	9.65%	4.91%	4.74%
11/15/2007	10.00%	4.89%	5.11%
11/20/2007	9.90%	4.89%	5.01%
11/27/2007	10.00%	4.88%	5.12%
11/29/2007	10.90%	4.88%	6.02%
12/14/2007	10.80%	4.87%	5.93%
12/18/2007	10.40%	4.86%	5.54%
12/19/2007	9.80%	4.86%	4.94%
12/19/2007	9.80%	4.86%	4.94%
12/19/2007	10.20%	4.86%	5.34%
12/21/2007	9.10%	4.86%	4.24%
1/8/2008	10.75%	4.83%	5.92%
1/17/2008	10.75%	4.81%	5.94%
1/17/2008	10.75%	4.81%	5.94%
2/5/2008	9.99%	4.78%	5.21%
2/5/2008	10.19%	4.78%	5.41%
2/13/2008	10.20%	4.76%	5.44%
3/31/2008	10.00%	4.63%	5.37%
5/28/2008	10.50%	4.53%	5.97%
6/24/2008	10.00%	4.52%	5.48%
6/27/2008	10.00%	4.52%	5.48%
7/31/2008	10.70%	4.50%	6.20%
7/31/2008	10.82%	4.50%	6.32%
8/27/2008	10.25%	4.50%	5.75%
9/2/2008	10.25%	4.50%	5.75%
9/19/2008	10.70%	4.48%	6.22%
9/24/2008	10.68%	4.48%	6.20%
9/24/2008	10.68%	4.48%	6.20%
9/24/2008	10.68%	4.48%	6.20%
9/30/2008	10.20%	4.48%	5.72%
10/3/2008	10.30%	4.47%	5.83%
10/8/2008	10.15%	4.47%	5.68%
10/20/2008	10.06%	4.47%	5.59%
10/24/2008	10.60%	4.46%	6.14%
10/24/2008	10.60%	4.46%	6.14%
11/21/2008	10.50%	4.42%	6.08%
11/21/2008	10.50%	4.42%	6.08%
11/21/2008	10.50%	4.42%	6.08%
11/24/2008	10.50%	4.42%	6.08%
12/3/2008	10.39%	4.37%	6.02%
12/24/2008	10.00%	4.26%	5.74%
12/26/2008	10.10%	4.24%	5.86%
12/29/2008	10.20%	4.23%	5.97%
1/13/2009	10.45%	4.14%	6.31%
2/2/2009	10.05%	4.04%	6.01%
3/9/2009	10.30%	3.90%	6.40%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
3/25/2009	10.17%	3.84%	6.33%
4/2/2009	10.75%	3.81%	6.94%
5/5/2009	10.75%	3.71%	7.04%
5/15/2009	10.20%	3.70%	6.50%
5/29/2009	9.54%	3.70%	5.84%
6/3/2009	10.10%	3.71%	6.39%
6/22/2009	10.00%	3.73%	6.27%
6/29/2009	10.21%	3.74%	6.47%
6/30/2009	9.31%	3.74%	5.57%
7/17/2009	9.26%	3.75%	5.51%
7/17/2009	10.50%	3.75%	6.75%
10/16/2009	10.40%	4.09%	6.31%
10/26/2009	10.10%	4.11%	5.99%
10/28/2009	10.15%	4.11%	6.04%
10/28/2009	10.15%	4.11%	6.04%
10/30/2009	9.95%	4.12%	5.83%
11/20/2009	9.45%	4.18%	5.27%
12/14/2009	10.50%	4.24%	6.26%
12/16/2009	10.75%	4.25%	6.50%
12/17/2009	10.30%	4.25%	6.05%
12/18/2009	10.40%	4.26%	6.14%
12/18/2009	10.50%	4.26%	6.24%
12/18/2009	10.40%	4.26%	6.14%
12/22/2009	10.20%	4.27%	5.93%
12/22/2009	10.40%	4.27%	6.13%
12/28/2009	10.85%	4.29%	6.56%
12/29/2009	10.38%	4.29%	6.09%
1/11/2010	10.24%	4.34%	5.90%
1/21/2010	10.33%	4.37%	5.96%
1/21/2010	10.23%	4.37%	5.86%
1/26/2010	10.40%	4.37%	6.03%
2/10/2010	10.00%	4.39%	5.61%
2/23/2010	10.50%	4.40%	6.10%
3/9/2010	9.60%	4.40%	5.20%
3/24/2010	10.13%	4.42%	5.71%
3/31/2010	10.70%	4.43%	6.27%
4/1/2010	9.50%	4.43%	5.07%
4/2/2010	10.10%	4.44%	5.66%
4/8/2010	10.35%	4.44%	5.91%
4/29/2010	9.40%	4.46%	4.94%
4/29/2010	9.19%	4.46%	4.73%
4/29/2010	9.40%	4.46%	4.94%
5/17/2010	10.55%	4.46%	6.09%
5/24/2010	10.05%	4.46%	5.59%
6/3/2010	11.00%	4.46%	6.54%
6/16/2010	10.00%	4.45%	5.55%
6/18/2010	10.30%	4.45%	5.85%
8/9/2010	12.55%	4.41%	8.14%
8/17/2010	10.10%	4.40%	5.70%
9/16/2010	10.00%	4.31%	5.69%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/16/2010	10.00%	4.31%	5.69%
9/16/2010	9.60%	4.31%	5.29%
9/16/2010	10.30%	4.31%	5.99%
10/21/2010	10.40%	4.20%	6.20%
11/2/2010	9.75%	4.18%	5.57%
11/2/2010	9.75%	4.18%	5.57%
11/3/2010	10.75%	4.17%	6.58%
11/19/2010	10.20%	4.15%	6.05%
12/1/2010	10.00%	4.13%	5.87%
12/6/2010	10.09%	4.12%	5.97%
12/6/2010	9.56%	4.12%	5.44%
12/9/2010	10.25%	4.12%	6.13%
12/14/2010	10.33%	4.12%	6.21%
12/17/2010	10.10%	4.11%	5.99%
12/20/2010	10.10%	4.11%	5.99%
12/23/2010	9.92%	4.11%	5.81%
1/6/2011	10.35%	4.09%	6.26%
1/12/2011	10.30%	4.09%	6.21%
1/13/2011	10.30%	4.09%	6.21%
3/10/2011	10.10%	4.16%	5.94%
3/31/2011	9.45%	4.20%	5.25%
4/18/2011	10.05%	4.23%	5.82%
5/26/2011	10.50%	4.31%	6.19%
6/21/2011	10.00%	4.36%	5.64%
6/29/2011	8.83%	4.37%	4.46%
8/1/2011	9.20%	4.41%	4.79%
9/1/2011	10.10%	4.33%	5.77%
11/14/2011	9.60%	3.93%	5.67%
12/13/2011	9.50%	3.76%	5.74%
12/20/2011	10.00%	3.72%	6.28%
12/22/2011	10.40%	3.70%	6.70%
1/10/2012	9.45%	3.60%	5.85%
1/10/2012	9.45%	3.60%	5.85%
1/10/2012	9.06%	3.60%	5.46%
1/23/2012	10.20%	3.53%	6.67%
1/31/2012	10.00%	3.49%	6.51%
4/24/2012	9.75%	3.16%	6.59%
4/24/2012	9.50%	3.16%	6.34%
5/7/2012	9.80%	3.13%	6.67%
5/22/2012	9.60%	3.10%	6.50%
5/24/2012	9.70%	3.09%	6.61%
6/7/2012	10.30%	3.06%	7.24%
6/15/2012	10.40%	3.05%	7.35%
6/18/2012	9.60%	3.05%	6.55%
7/2/2012	9.75%	3.04%	6.71%
10/24/2012	10.30%	2.92%	7.38%
10/26/2012	9.50%	2.92%	6.58%
10/31/2012	9.90%	2.92%	6.98%
10/31/2012	10.00%	2.92%	7.08%
10/31/2012	9.30%	2.92%	6.38%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
11/1/2012	9.45%	2.92%	6.53%
11/8/2012	10.10%	2.91%	7.19%
11/9/2012	10.30%	2.91%	7.39%
11/26/2012	10.00%	2.89%	7.11%
11/28/2012	10.40%	2.88%	7.52%
11/28/2012	10.50%	2.88%	7.62%
12/4/2012	10.50%	2.87%	7.63%
12/4/2012	10.00%	2.87%	7.13%
12/20/2012	10.40%	2.84%	7.56%
12/20/2012	10.30%	2.84%	7.46%
12/20/2012	10.10%	2.84%	7.26%
12/20/2012	10.50%	2.84%	7.66%
12/20/2012	9.50%	2.84%	6.66%
12/20/2012	10.25%	2.84%	7.41%
12/26/2012	9.80%	2.83%	6.97%
2/22/2013	9.60%	2.86%	6.74%
3/14/2013	9.30%	2.89%	6.41%
3/27/2013	9.80%	2.91%	6.89%
4/23/2013	9.80%	2.95%	6.85%
5/10/2013	9.25%	2.96%	6.29%
6/13/2013	9.40%	3.01%	6.39%
6/18/2013	9.28%	3.02%	6.26%
6/18/2013	9.28%	3.02%	6.26%
6/25/2013	9.80%	3.04%	6.76%
9/23/2013	9.60%	3.32%	6.28%
11/6/2013	10.20%	3.42%	6.78%
11/13/2013	9.84%	3.44%	6.40%
11/14/2013	10.25%	3.44%	6.81%
11/22/2013	9.50%	3.47%	6.03%
12/5/2013	10.20%	3.50%	6.70%
12/13/2013	9.60%	3.52%	6.08%
12/16/2013	9.73%	3.52%	6.21%
12/17/2013	10.00%	3.53%	6.47%
12/18/2013	9.08%	3.53%	5.55%
12/23/2013	9.72%	3.54%	6.18%
12/30/2013	10.00%	3.57%	6.43%
1/21/2014	9.65%	3.65%	6.00%
1/22/2014	9.18%	3.66%	5.52%
2/20/2014	9.30%	3.71%	5.59%
2/21/2014	9.85%	3.71%	6.14%
2/28/2014	9.55%	3.72%	5.83%
3/16/2014	9.72%	3.73%	5.99%
4/21/2014	9.50%	3.73%	5.77%
4/22/2014	9.80%	3.73%	6.07%
5/8/2014	9.10%	3.71%	5.39%
5/8/2014	9.59%	3.71%	5.88%
6/6/2014	10.40%	3.66%	6.74%
6/12/2014	10.10%	3.66%	6.44%
6/12/2014	10.10%	3.66%	6.44%
6/12/2014	10.10%	3.66%	6.44%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
7/7/2014	9.30%	3.63%	5.67%
7/25/2014	9.30%	3.60%	5.70%
7/31/2014	9.90%	3.59%	6.31%
9/4/2014	9.10%	3.51%	5.59%
9/24/2014	9.35%	3.46%	5.89%
9/30/2014	9.75%	3.45%	6.30%
10/29/2014	10.80%	3.37%	7.43%
11/6/2014	10.20%	3.35%	6.85%
11/14/2014	10.20%	3.33%	6.87%
11/14/2014	10.30%	3.33%	6.97%
11/26/2014	10.20%	3.31%	6.89%
12/3/2014	10.00%	3.29%	6.71%
1/13/2015	10.30%	3.16%	7.14%
1/21/2015	9.05%	3.13%	5.92%
1/21/2015	9.05%	3.13%	5.92%
4/9/2015	9.50%	2.88%	6.62%
5/11/2015	9.80%	2.82%	6.98%
6/17/2015	9.00%	2.79%	6.21%
8/21/2015	9.75%	2.78%	6.97%
10/7/2015	9.55%	2.82%	6.73%
10/13/2015	9.75%	2.83%	6.92%
10/15/2015	9.00%	2.83%	6.17%
10/30/2015	9.80%	2.86%	6.94%
11/19/2015	10.00%	2.89%	7.11%
12/3/2015	10.00%	2.91%	7.09%
12/9/2015	9.60%	2.92%	6.68%
12/11/2015	9.90%	2.92%	6.98%
12/18/2015	9.50%	2.93%	6.57%
1/6/2016	9.50%	2.96%	6.54%
1/6/2016	9.50%	2.96%	6.54%
1/28/2016	9.40%	2.97%	6.43%
2/10/2016	9.60%	2.95%	6.65%
2/16/2016	9.50%	2.94%	6.56%
2/29/2016	9.40%	2.92%	6.48%
4/29/2016	9.80%	2.83%	6.97%
5/5/2016	9.49%	2.82%	6.67%
6/1/2016	9.55%	2.80%	6.75%
6/3/2016	9.65%	2.79%	6.86%
6/15/2016	9.00%	2.77%	6.23%
6/15/2016	9.00%	2.77%	6.23%
9/2/2016	9.50%	2.57%	6.93%
9/23/2016	9.75%	2.52%	7.23%
9/27/2016	9.50%	2.51%	6.99%
9/29/2016	9.11%	2.50%	6.61%
10/13/2016	10.20%	2.48%	7.72%
10/28/2016	9.70%	2.47%	7.23%
11/9/2016	9.80%	2.47%	7.33%
11/18/2016	10.00%	2.49%	7.51%
12/9/2016	10.10%	2.52%	7.58%
12/15/2016	9.00%	2.53%	6.47%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
12/15/2016	9.00%	2.53%	6.47%
12/20/2016	9.75%	2.53%	7.22%
12/22/2016	9.50%	2.54%	6.96%
1/24/2017	9.00%	2.59%	6.41%
2/21/2017	10.55%	2.63%	7.92%
3/1/2017	9.25%	2.65%	6.60%
4/11/2017	9.50%	2.77%	6.73%
4/20/2017	8.70%	2.79%	5.91%
4/28/2017	9.50%	2.81%	6.69%
5/23/2017	9.60%	2.88%	6.72%
6/6/2017	9.70%	2.90%	6.80%
6/22/2017	9.70%	2.93%	6.77%
6/30/2017	9.60%	2.94%	6.66%
7/20/2017	9.55%	2.97%	6.58%
7/31/2017	10.10%	2.98%	7.12%
9/13/2017	9.40%	2.93%	6.47%
9/19/2017	9.70%	2.92%	6.78%
9/22/2017	11.88%	2.92%	8.96%
9/27/2017	10.20%	2.92%	7.28%
10/20/2017	9.60%	2.90%	6.70%
10/26/2017	10.20%	2.90%	7.30%
10/30/2017	10.05%	2.90%	7.15%
12/5/2017	9.50%	2.86%	6.64%
12/7/2017	9.80%	2.86%	6.94%
12/13/2017	9.25%	2.85%	6.40%
12/28/2017	9.50%	2.84%	6.66%
1/31/2018	9.80%	2.83%	6.97%
2/21/2018	9.80%	2.84%	6.96%
2/21/2018	9.80%	2.84%	6.96%
2/28/2018	9.50%	2.85%	6.65%
3/15/2018	9.00%	2.87%	6.13%
3/26/2018	10.19%	2.88%	7.31%
4/26/2018	9.50%	2.90%	6.60%
4/27/2018	9.30%	2.91%	6.39%
5/2/2018	9.50%	2.91%	6.59%
5/3/2018	9.70%	2.91%	6.79%
5/29/2018	9.40%	2.95%	6.45%
6/6/2018	9.80%	2.96%	6.84%
6/14/2018	8.80%	2.97%	5.83%
7/16/2018	9.60%	2.98%	6.62%
7/20/2018	9.40%	2.99%	6.41%
8/24/2018	9.28%	3.02%	6.26%
8/28/2018	10.00%	3.02%	6.98%
9/13/2018	10.00%	3.04%	6.96%
9/14/2018	10.00%	3.04%	6.96%
9/19/2018	9.85%	3.05%	6.80%
9/20/2018	9.80%	3.05%	6.75%
9/26/2018	9.40%	3.06%	6.34%
9/26/2018	10.20%	3.06%	7.14%
9/28/2018	9.50%	3.07%	6.43%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
9/28/2018	9.50%	3.07%	6.43%
10/5/2018	9.61%	3.08%	6.53%
10/15/2018	9.80%	3.09%	6.71%
10/26/2018	9.40%	3.11%	6.29%
10/29/2018	9.60%	3.11%	6.49%
11/1/2018	9.87%	3.11%	6.76%
11/8/2018	9.70%	3.12%	6.58%
11/8/2018	9.70%	3.12%	6.58%
12/11/2018	9.70%	3.14%	6.56%
12/12/2018	9.30%	3.14%	6.16%
12/13/2018	9.60%	3.14%	6.46%
12/19/2018	9.30%	3.14%	6.16%
12/21/2018	9.35%	3.14%	6.21%
12/24/2018	9.25%	3.14%	6.11%
12/24/2018	9.25%	3.14%	6.11%
1/4/2019	9.80%	3.14%	6.66%
1/18/2019	9.70%	3.14%	6.56%
3/14/2019	9.00%	3.12%	5.88%
3/27/2019	9.70%	3.12%	6.58%
4/30/2019	9.73%	3.11%	6.62%
5/7/2019	9.65%	3.10%	6.55%
5/21/2019	9.80%	3.10%	6.70%
9/4/2019	10.00%	2.76%	7.24%
9/26/2019	9.90%	2.69%	7.21%
10/2/2019	9.73%	2.67%	7.06%
10/2/2019	9.90%	2.67%	7.23%
10/8/2019	9.40%	2.65%	6.75%
10/15/2019	9.70%	2.62%	7.08%
10/21/2019	9.40%	2.61%	6.79%
10/31/2019	10.00%	2.57%	7.43%
10/31/2019	10.00%	2.57%	7.43%
10/31/2019	10.20%	2.57%	7.63%
10/31/2019	9.70%	2.57%	7.13%
11/7/2019	9.35%	2.55%	6.80%
11/13/2019	9.60%	2.54%	7.06%
11/13/2019	9.60%	2.54%	7.06%
12/6/2019	9.87%	2.47%	7.40%
12/11/2019	9.40%	2.46%	6.94%
12/17/2019	9.75%	2.45%	7.30%
12/18/2019	9.60%	2.44%	7.16%
12/18/2019	9.60%	2.44%	7.16%
12/19/2019	10.20%	2.44%	7.76%
12/19/2019	10.05%	2.44%	7.61%
12/19/2019	10.25%	2.44%	7.81%
12/20/2019	9.20%	2.44%	6.76%
12/26/2019	9.75%	2.43%	7.32%
1/9/2020	9.80%	2.39%	7.41%
1/15/2020	9.35%	2.38%	6.97%
1/16/2020	8.80%	2.37%	6.43%
1/24/2020	9.44%	2.35%	7.09%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
2/3/2020	9.40%	2.33%	7.07%
2/17/2020	9.80%	2.29%	7.51%
2/24/2020	9.10%	2.27%	6.83%
2/25/2020	9.50%	2.27%	7.23%
2/28/2020	9.70%	2.25%	7.45%
3/25/2020	9.40%	2.15%	7.25%
3/26/2020	9.48%	2.15%	7.33%
4/21/2020	9.80%	2.02%	7.78%
5/19/2020	9.20%	1.94%	7.26%
6/16/2020	9.65%	1.87%	7.78%
7/8/2020	9.40%	1.81%	7.59%
8/4/2020	9.50%	1.70%	7.80%
8/20/2020	9.90%	1.64%	8.26%
8/21/2020	9.35%	1.64%	7.71%
9/10/2020	9.90%	1.58%	8.32%
9/23/2020	9.60%	1.53%	8.07%
9/25/2020	9.25%	1.52%	7.73%
9/25/2020	9.25%	1.52%	7.73%
10/4/2020	9.80%	1.50%	8.30%
10/7/2020	9.70%	1.49%	8.21%
10/12/2020	9.20%	1.48%	7.72%
10/15/2020	9.35%	1.47%	7.88%
10/16/2020	9.40%	1.47%	7.93%
10/30/2020	9.90%	1.44%	8.46%
11/7/2020	9.60%	1.43%	8.17%
11/19/2020	8.80%	1.42%	7.38%
11/19/2020	8.80%	1.42%	7.38%
11/19/2020	9.90%	1.42%	8.48%
11/24/2020	9.80%	1.42%	8.38%
12/9/2020	9.10%	1.43%	7.67%
12/10/2020	9.40%	1.43%	7.97%
12/16/2020	9.38%	1.44%	7.94%
12/16/2020	9.65%	1.44%	8.21%
12/23/2020	10.00%	1.45%	8.55%
1/4/2021	9.95%	1.46%	8.49%
1/6/2021	9.60%	1.47%	8.13%
1/6/2021	9.40%	1.47%	7.93%
1/12/2021	9.95%	1.48%	8.47%
1/13/2021	9.67%	1.49%	8.18%
1/26/2021	9.50%	1.51%	7.99%
2/16/2021	9.80%	1.56%	8.24%
2/19/2021	9.86%	1.57%	8.29%
2/24/2021	9.25%	1.58%	7.67%
3/25/2021	10.00%	1.67%	8.33%
3/25/2021	10.00%	1.67%	8.33%
3/25/2021	10.00%	1.67%	8.33%
4/9/2021	9.70%	1.73%	7.97%
5/5/2021	9.30%	1.83%	7.47%
5/18/2021	9.40%	1.87%	7.53%
5/19/2021	8.80%	1.88%	6.92%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
6/17/2021	10.24%	1.97%	8.27%
6/30/2021	9.43%	1.99%	7.44%
7/27/2021	9.54%	2.03%	7.51%
7/30/2021	9.30%	2.03%	7.27%
8/12/2021	8.80%	2.05%	6.75%
8/12/2021	8.80%	2.05%	6.75%
9/1/2021	9.40%	2.07%	7.33%
9/8/2021	9.67%	2.08%	7.59%
9/9/2021	9.85%	2.08%	7.77%
9/14/2021	9.50%	2.08%	7.42%
9/27/2021	9.40%	2.09%	7.31%
9/29/2021	9.80%	2.09%	7.71%
9/30/2021	9.70%	2.10%	7.60%
9/30/2021	9.95%	2.10%	7.85%
10/6/2021	9.70%	2.10%	7.60%
10/27/2021	9.37%	2.12%	7.25%
11/17/2021	9.80%	2.11%	7.69%
11/17/2021	9.60%	2.11%	7.49%
11/18/2021	9.00%	2.11%	6.89%
11/18/2021	9.75%	2.11%	7.64%
11/18/2021	10.00%	2.11%	7.89%
11/18/2021	10.00%	2.11%	7.89%
11/23/2021	9.80%	2.10%	7.70%
11/30/2021	9.40%	2.09%	7.31%
12/3/2021	9.65%	2.08%	7.57%
12/9/2021	9.90%	2.07%	7.83%
12/13/2021	9.20%	2.06%	7.14%
12/28/2021	9.35%	2.03%	7.32%
12/28/2021	9.60%	2.03%	7.57%
12/28/2021	9.38%	2.03%	7.35%
1/3/2022	9.25%	2.03%	7.22%
1/6/2022	9.60%	2.02%	7.58%
1/20/2022	9.00%	2.02%	6.98%
1/21/2022	9.60%	2.01%	7.59%
3/22/2022	9.40%	2.02%	7.38%
3/22/2022	9.40%	2.02%	7.38%
4/14/2022	9.20%	2.08%	7.12%
5/19/2022	9.23%	2.23%	7.00%
5/19/2022	9.95%	2.23%	7.72%
5/19/2022	9.95%	2.23%	7.72%
6/16/2022	9.25%	2.36%	6.89%
7/7/2022	9.90%	2.45%	7.45%
7/20/2022	9.30%	2.50%	6.80%
7/27/2022	9.85%	2.53%	7.32%
8/2/2022	9.40%	2.55%	6.85%
8/17/2022	9.60%	2.62%	6.98%
8/18/2022	9.39%	2.62%	6.77%
8/23/2022	9.40%	2.65%	6.75%
9/15/2022	9.30%	2.79%	6.51%
9/30/2022	9.70%	2.88%	6.82%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
10/10/2022	9.60%	2.93%	6.67%
10/12/2022	9.60%	2.95%	6.65%
10/24/2022	9.40%	3.04%	6.36%
10/25/2022	9.20%	3.05%	6.15%
10/27/2022	9.80%	3.07%	6.73%
10/27/2022	9.70%	3.07%	6.63%
11/3/2022	10.20%	3.12%	7.08%
11/17/2022	9.65%	3.22%	6.43%
11/30/2022	9.38%	3.29%	6.09%
12/15/2022	9.80%	3.35%	6.45%
12/21/2022	9.60%	3.38%	6.22%
12/22/2022	9.40%	3.38%	6.02%
12/22/2022	9.80%	3.38%	6.42%
12/23/2022	9.60%	3.39%	6.21%
12/29/2022	9.80%	3.41%	6.39%
12/29/2022	9.80%	3.41%	6.39%
1/19/2023	9.60%	3.48%	6.12%
1/23/2023	9.30%	3.48%	5.82%
1/24/2023	10.25%	3.49%	6.76%
1/26/2023	9.60%	3.49%	6.11%
3/15/2023	9.80%	3.61%	6.19%
3/23/2023	9.57%	3.63%	5.94%
3/28/2023	9.50%	3.64%	5.86%
5/4/2023	9.30%	3.73%	5.57%
6/30/2023	9.50%	3.81%	5.69%
7/20/2023	9.25%	3.80%	5.45%
8/30/2023	9.90%	3.85%	6.05%
8/30/2023	9.80%	3.85%	5.95%
8/31/2023	9.40%	3.85%	5.55%
9/20/2023	9.49%	3.90%	5.59%
9/20/2023	9.35%	3.90%	5.45%
10/5/2023	9.30%	3.96%	5.34%
10/6/2023	9.80%	3.96%	5.84%
10/12/2023	9.20%	3.99%	5.21%
10/12/2023	9.20%	3.99%	5.21%
10/19/2023	9.35%	4.02%	5.33%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
10/25/2023	9.55%	4.05%	5.50%
10/26/2023	9.65%	4.06%	5.59%
10/26/2023	9.50%	4.06%	5.44%
11/1/2023	9.60%	4.09%	5.51%
11/3/2023	9.70%	4.10%	5.60%
11/7/2023	9.65%	4.11%	5.54%
11/9/2023	10.15%	4.12%	6.03%
11/9/2023	9.80%	4.12%	5.68%
11/9/2023	9.80%	4.12%	5.68%
11/16/2023	9.51%	4.14%	5.37%
11/16/2023	9.44%	4.14%	5.30%
11/16/2023	9.38%	4.14%	5.24%
11/16/2023	9.38%	4.14%	5.24%
12/4/2023	9.80%	4.18%	5.62%
12/14/2023	9.45%	4.20%	5.25%
12/14/2023	9.50%	4.20%	5.30%
12/15/2023	9.65%	4.21%	5.44%
12/21/2023	9.75%	4.21%	5.54%
12/22/2023	10.50%	4.21%	6.29%
1/17/2024	9.85%	4.26%	5.59%
1/31/2024	9.70%	4.29%	5.41%
3/24/2024	9.30%	4.38%	4.92%
4/8/2024	11.88%	4.41%	7.47%
4/8/2024	9.50%	4.41%	5.09%
4/8/2024	9.50%	4.41%	5.09%
4/17/2024	9.75%	4.44%	5.31%
5/13/2024	9.80%	4.48%	5.32%
6/26/2024	9.80%	4.48%	5.32%
6/28/2024	9.40%	4.48%	4.92%
7/18/2024	9.50%	4.45%	5.05%
7/23/2024	9.90%	4.44%	5.46%
7/25/2024	9.38%	4.43%	4.95%
7/31/2024	9.75%	4.43%	5.32%
8/15/2024	9.35%	4.40%	4.95%
8/15/2024	9.35%	4.40%	4.95%
9/17/2024	9.65%	4.38%	5.27%
9/18/2024	9.45%	4.38%	5.07%
9/26/2024	9.86%	4.38%	5.48%
10/1/2024	9.85%	4.38%	5.47%
10/9/2024	9.60%	4.38%	5.22%
10/17/2024	10.08%	4.38%	5.70%
10/25/2024	9.40%	4.39%	5.01%
10/25/2024	9.35%	4.39%	4.96%
10/31/2024	9.90%	4.39%	5.51%
11/6/2024	10.00%	4.40%	5.60%
11/7/2024	9.90%	4.40%	5.50%
11/7/2024	9.90%	4.40%	5.50%
11/7/2024	9.80%	4.40%	5.40%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
11/18/2024	9.15%	4.40%	4.75%
11/18/2024	9.15%	4.40%	4.75%
11/20/2024	9.70%	4.40%	5.30%
11/21/2024	9.85%	4.40%	5.45%
11/21/2024	9.60%	4.40%	5.20%
11/21/2024	9.60%	4.40%	5.20%
12/19/2024	9.70%	4.42%	5.28%
12/19/2024	9.80%	4.42%	5.38%
12/19/2024	9.80%	4.42%	5.38%
12/19/2024	9.80%	4.42%	5.38%
12/20/2024	9.80%	4.42%	5.38%
12/30/2024	9.75%	4.43%	5.32%
1/7/2025	9.80%	4.43%	5.37%
1/15/2025	9.90%	4.44%	5.46%
2/13/2025	9.60%	4.45%	5.15%
2/24/2025	9.50%	4.46%	5.04%
3/20/2025	9.75%	4.47%	5.28%
3/27/2025	9.84%	4.47%	5.37%
4/10/2025	9.90%	4.48%	5.42%
4/22/2025	9.80%	4.50%	5.30%
4/25/2025	9.95%	4.51%	5.44%
4/25/2025	9.95%	4.51%	5.44%
5/13/2025	9.80%	4.55%	5.25%
5/15/2025	9.75%	4.56%	5.19%
5/23/2025	9.50%	4.59%	4.91%
6/12/2025	9.50%	4.65%	4.85%
6/17/2025	9.80%	4.66%	5.14%
6/18/2025	9.60%	4.67%	4.93%
6/24/2025	9.55%	4.68%	4.87%
6/24/2025	9.65%	4.68%	4.97%
6/26/2025	9.79%	4.69%	5.10%
7/1/2025	9.75%	4.70%	5.05%
8/11/2025	9.75%	4.76%	4.99%
8/14/2025	9.50%	4.76%	4.74%
8/14/2025	9.50%	4.76%	4.74%
8/26/2025	9.30%	4.79%	4.51%
8/29/2025	9.60%	4.79%	4.81%
9/30/2025	9.80%	4.80%	5.00%
10/7/2025	10.30%	4.79%	5.51%
10/8/2025	9.60%	4.79%	4.81%
10/24/2025	9.50%	4.78%	4.72%
11/4/2025	9.40%	4.77%	4.63%
11/5/2025	9.32%	4.77%	4.55%
11/6/2025	9.80%	4.77%	5.03%

[6]	[7]	[8]	[9]
Date of Gas Rate Case	Return on Equity	30-Year Treasury Yield	Risk Premium
11/6/2025	9.80%	4.77%	5.03%
11/19/2025	9.60%	4.78%	4.82%
11/19/2025	9.60%	4.78%	4.82%
11/19/2025	9.60%	4.78%	4.82%
11/20/2025	9.65%	4.78%	4.87%
11/20/2025	9.80%	4.78%	5.02%
12/4/2025	10.00%	4.78%	5.22%
12/9/2025	9.65%	4.79%	4.86%
12/9/2025	9.85%	4.79%	5.06%
12/17/2025	9.85%	4.79%	5.06%
12/17/2025	9.60%	4.79%	4.81%
12/18/2025	9.78%	4.79%	4.99%
12/23/2025	9.80%	4.80%	5.00%
12/30/2025	9.50%	4.80%	4.70%
1/7/2026	9.79%	4.81%	4.98%
1/22/2026	9.40%	4.81%	4.59%
2/5/2026	9.80%	4.81%	4.99%
2/10/2026	9.75%	4.81%	4.94%
2/16/2026	9.78%	4.80%	4.98%
2/19/2026	9.61%	4.80%	4.81%
		# of Cases:	1,397

Revisions to Staff's Two-Step DCF Using Adjusted Growth Rate Weighting

Revised Results

(a) Line No.	(b) Company	(c) Ticker Symbol	(d) Dividend Yield	(e) Analyst Growth Rate	(f) GDP Growth Rate	(g) Cost of Equity DCF	(h) Adjusted DCF
1	Atmos Energy Corp	ATO	2.33%	7.58%	4.52%	9.30%	9.39%
2	New Jersey Resources Corp	NJR	4.14%	7.45%	4.52%	11.01%	11.16%
3	Nisource Inc	NI	2.63%	7.42%	4.52%	9.46%	9.56%
4	Northwest Natural	NWN	4.17%	6.09%	4.52%	9.95%	10.07%
5	ONE Gas Inc.	OGS	3.34%	6.09%	4.52%	9.12%	9.22%
6	Southwest Gas	SWX	3.07%	10.49%	4.52%	12.37%	12.53%
13	Proxy Average						**10.32%**
14	Proxy Low Value						9.22%
15	Proxy High Value						12.53%
16	Proxy Median						9.82%

S&P Key Interest Rate Forecast Tables	Nominal GDP ($B) 2025	2026	2027	Nominal Growth 2026	2027
Jan-26	30778.5	32380.73	33831.68	5.21%	4.48%
Dec-25	30695.7	32279.2	33642.2	5.16%	4.22%
Nov-25	30700.62	32306.14	33657.39	5.23%	4.18%
Average				5.20%	4.30%

(d) Schedule D page 3
(e) Schedule D page 4
(f) See Table
(g) Equals (e) x 0.8 + (f) x 0.2 + (d)
(h) Equals (e) x 0.8 + (f) x 0.2 + (d)[1 + 0.5 x (e)]

Revisions to Staff's CAPM Using Reported Risk Free Rate in Calculation of MRP

Revised Results

(a) Line	(b) Company	(c) Ticker Symbol	(d) Value Line Beta	(e) Risk Free Rate	(f) 1928-2025 Risk Premium	(g) Historical CAPM
1	Atmos Energy Corp	ATO	0.75	4.425%	7.43%	9.99%
2	New Jersey Resources Corp	NJR	0.75	4.425%	7.43%	9.99%
3	Nisource Inc	NI	0.85	4.425%	7.43%	10.74%
4	Northwest Natural	NWN	0.75	4.425%	7.43%	9.99%
5	ONE Gas Inc.	OGS	0.75	4.425%	7.43%	9.99%
6	Southwest Gas	SWX	0.75	4.425%	7.43%	9.99%
13	Proxy Average		0.77			**10.12%**
14	Proxy Low Value		0.75			9.99%
15	Proxy High Value		0.85			10.74%
16	Proxy Median		0.75			9.99%

Revisions to Staff's Risk Premium Method Using Forward Estimate of the S&P 500 Utilities Index Return

Revised Results

(a) Line No.	(b)		(c)
1	S&P 500 Utilities Index Expected EPS Return[1]		12.04%
2	Realized Utility Bond Yield Average (1954 - 2025)[2]		7.07%
3	Treasury Bond Yield Average (1954 - 2025)		5.64%
4	Historical Spread Utility Equity-Bond	[1] - [2]	4.96%
5	Historical Spread Utility Bond-Treasury Bond	[1] - [3]	6.39%
	Utility Bond Risk Premium		
6	Aa Utility Bond Projection [a]		5.76%
7	Historical Cost of Equity Estimate	[4] + [6]	**10.72%**
	Treasury Bond Risk Premium		
8	Treasury Bond Yield (Page 8)		4.42%
9	Historical Cost of Equity Estimate	[5] + [8]	**10.82%**

Sources

(a) Key Interest Rates Forecast Tables

Date	2026 Yield	2027 Yield
Jan-26	5.65%	5.76%
Dec-25	5.65%	5.76%
Nov-25	5.76%	5.83%
Average	5.69%	5.78%

(1) See Conf. WP-14 and Conf. WP-15 for the derivation of the Value Line and Bloomberg return for the S&P500 Utilities Index

(2) Source: Exhibit No. S-4, Schedule No. D-5, page 11 of 13.

Mr. Coppola's Revised Constant Growth DCF Analysis Including Proxy Group Adjustments and Removing Growth Rate Restrictions

Revised Results

Line	Company	Ticker	Average 30 Day High Low Price*	Projected 2026 Ann. Dividend**	Dividend Yield	EPS Growth Rate***			DCF ROE for Each Co.
						Value Line	S&P Capital IQ	Average of	
	(a)	(b)	(c)	(d)	Col. (d)/(c) (e)	(f)	(g)	Col. (f) & (g) (h)	Col. (e) + (h) (i)
	Proxy Group								
1	Atmos Energy	ATO	$ 170.70	4.00	2.34%	8.50%	7.22%	7.86%	10.20%
2	NiSource	NI	42.18	1.20	2.84%	8.00%	7.70%	7.85%	10.69%
3	New Jersey Resources	NJR	46.57	1.90	4.08%	6.50%	7.90%	7.20%	11.28%
4	Northwest Natural Holdings	NWN	47.37	1.97	4.16%	6.50%	5.75%	6.13%	10.28%
5	One Gas	OGS	79.56	2.72	3.42%	4.50%	5.94%	5.22%	8.64%
6	Southwest Gas Holdings, Inc.	SWX	80.78	2.48	3.07%	10.00%	n/a	10.00%	13.07%
8	Average				***2.85%***	***8.80%***	***6.90%***	***7.38%***	***10.70%***
9	High								13.07%
10	Low								8.64%

* Average of High and Low prices per Yahoo from November 18, 2025 to December 31, 2025
** Value Line Projected Dividends for 2026 published November 21, 2025 and for WEC Energy on December 5, 2025
*** Value Line Growth data as of November 21 and August 22, 2025 for SWX. S&P Capital IQ data per Company Exhibit A-14, Schedule D5.2, page 1 of 3, column 6
N/A Data not available
N/M ~~Forecasted EPS growth rates of 8% or higher are unrealistic for gas distribution companies that has customer growth of less than 3%.~~

Equation **R = D/P + g** *Where* **R** = the required return on the equity security; **D** = the next dividend on the security; **P** = the current price of the equity security; **g** = the expected growth rate of earnings

Mr. Coppola's Revised CAPM Analysis Including Adjusted Risk Free Rate and Risk Premium

Revised Results

Line	Company & Ticker		% Common Equity	Current Beta (B)	Risk Premium (R_p)	Beta x Risk Premium Col. (c) x (d)	Risk Free Rate (R_f)	K_e or CAPM ROE for Each Co. Cols. (e) + (f)
	(a)		(b)	(c)	(d)	(e)	(f)	(g)
	Proxy Group							
1	Atmos Energy	ATO	60.2%	0.75	7.74%	5.81%	4.55%	10.36%
2	Chesapeake Utilities	CPK	52.4%	0.70	7.74%	5.42%	4.55%	9.97%
3	NiSource	NI	35.0%	0.85	7.74%	6.58%	4.55%	11.13%
4	New Jersey Resources	NJR	43.2%	0.75	7.74%	5.81%	4.55%	10.36%
5	Northwest Natural Holdings	NWN	40.5%	0.75	7.74%	5.81%	4.55%	10.36%
6	One Gas	OGS	56.3%	0.75	7.74%	5.81%	4.55%	10.36%
7	WEC Energy Group	WEC	39.9%	0.65	7.74%	5.03%	4.55%	9.58%
8	**Average**		**46.8%**	**0.74**	**7.74%**	**5.75%**	**4.55%**	***10.30%***
9	High							11.13%
10	Low							9.58%

Sources

Column (b) Per SEC Filings: Average for the four quarters ended September 2025

Column (c) From the Value Line Investment Survey published November 21 and December 5, 2025.

Column (d) Reflects the average returns of Large Stocks (12.29%) for the period 1926 to 2024 per the Ibbotson Clasic Year Book (through 2022) and "slick charts" for 2023 and 2024 minus Column (f)

Column (f) Page 14 of the Blue Chip Financial Forecast of December 1, 2025 shows the 30 year U.S Treasury bond at 4.6% for 2027-2031 and 4.5% for 2032-2036 (a 4.55% avg.).

Equation for CAPM $K_e = R_f + (B \times R_p)$

Where K_e = the Cost of Common Equity; R_f = the Risk Free Rate of Return;
B = the Beta or covariance of the stocks price to overall market ; and
R_p = the Expected Risk Premium of the overall market

Mr. Coppola's Revised Utility Risk Premium Analysis Including Corrected Risk Free Rate

Revised Results

Line	Description	Rate Developed	Note
	(a)	(b)	(c)
1	Number of Companies in proxy group	7	
2	Average Rating	A/BBB	1
3	Projected "A" rated Bonds New Issue Rate	5.74%	2
4	Historical Spread - Gas Util. Common Stocks vs. "A" Rated Utility Bonds	3.86%	3
5	Sub Total - Rate for "A" rated companies (lines 3 + 4)	**9.60%**	

Note:

1 Atmos, OneGas, New Jersey Natural Gas and Chesapeake Utilities are "A" rated. All other peer companies are "BBB" rated.

2 Based on analysis of new 30 Year issues for 2024 (see workpapers)

"A" Rated Spread to 30 Yr. Treasuries	1.19%	
Assumed 30 Year US Treasury Bond Rate (from Blue Chip Financial Forecasts Vol. 44, No. 12 at 14)	4.55%	
Projected "A" rated 30 Year bonds	**5.74%**	***To Line 3 above***

3 Per AG Workpaper AG25A.

RISK PREMIUM ANALYSIS APPLYING MR. WALTERS' DATA

Risk Premium Data

Year	Auth ROE[1]	Bond Yield[2]	ERP
1986	13.46	7.80	5.66
1987	12.74	8.58	4.16
1988	12.85	8.96	3.89
1989	12.88	8.45	4.43
1990	12.67	8.61	4.06
1991	12.46	8.14	4.32
1992	12.01	7.67	4.34
1993	11.35	6.60	4.75
1994	11.35	7.37	3.98
1995	11.43	6.88	4.55
1996	11.19	6.70	4.49
1997	11.29	6.61	4.68
1998	11.51	5.58	5.93
1999	10.66	5.87	4.79
2000	11.39	5.94	5.45
2001	10.95	5.49	5.46
2002	11.03	5.43	5.60
2003	10.99	4.96	6.03
2004	10.59	5.05	5.54
2005	10.46	4.65	5.81
2006	10.40	4.87	5.53
2007	10.22	4.83	5.39
2008	10.39	4.28	6.11
2009	10.22	4.07	6.15
2010	10.15	4.25	5.90
2011	9.92	3.91	6.01
2012	9.94	2.92	7.02
2013	9.68	3.45	6.23
2014	9.78	3.34	6.44
2015	9.60	2.84	6.76
2016	9.54	2.60	6.94
2017	9.72	2.90	6.83
2018	9.59	3.11	6.48
2019	9.71	2.58	7.13
2020	9.46	1.56	7.90
2021	9.56	2.05	7.51
2022	9.53	3.12	6.41
2023	9.60	4.09	5.50
2024	9.71	4.41	5.30
2025	9.68	4.80	4.88

Linear Regression Analysis

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.925567
R Square	0.856674272
Adjusted R Square	0.852902543
Standard Error	0.395295241
Observations	40

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	35.49100816	35.49100816	227.1303474	1.29165E-17
Residual	38	5.937816437	0.156258327		
Total	39	41.42882459			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	8.030509695	0.172407409	46.57868101	3.92891E-35	7.681489143	8.379530247
Bond Yield	-0.471825754	0.031307188	-15.07084428	1.29165E-17	-0.535203843	-0.408447666

Yield [1]	Risk Premium	ROE
4.80	**5.77**	**10.57**

Sources:
[1] CCW Public WP-1 AB-4

Sources:
[1] *Regulatory Research Associates, Inc* ., Regulatory Focus, Major Rate Case Decisions, Jan. 1997 p. 5, and Jan. 2011 p. 3.
S&P Global Market Intelligence, RRA Regulatory Focus, Major Rate Case Decisions, January - September, 2025, November 6, 2025 at page 3.
[2] St. Louis Federal Reserve: Economic Research, http://research.stlouisfed.org/.
The yields from 2002 to 2005 represent the 20-Year Treasury yields obtained from the Federal Reserve Bank.

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	~~[11]~~	[12]
Company	Annualized Dividend	High Closing Price	Low Closing Price	Average Stock Price	Dividend Yield	Expected Dividend Yield	Zacks Earnings Growth	S&P Capital IQ Earnings Growth	Value Line Earnings Growth	Average Earnings Growth	~~Long-Term Growth~~	Cost of Equity
Atmos Energy Corporation	$4.00	$179.12	$165.34	$172.23	2.32%	2.41%	7.00%	8.36%	8.00%	7.79%	~~3.80%~~	10.20%
New Jersey Resources Corporation	$1.90	$54.07	$46.69	$50.38	3.77%	3.90%	n/a	8.55%	5.00%	6.78%	~~3.80%~~	10.67%
NiSource Inc.	$1.20	$45.53	$42.39	$43.96	2.73%	2.83%	6.00%	8.80%	7.50%	7.43%	~~3.80%~~	10.26%
Northwest Natural Gas Company	$1.97	$49.74	$45.83	$47.79	4.12%	4.24%	n/a	5.00%	6.00%	5.50%	~~3.80%~~	9.74%
ONE Gas, Inc.	$2.72	$85.16	$76.80	$80.98	3.36%	3.48%	8.10%	7.10%	6.00%	7.07%	~~3.80%~~	10.55%
Southwest Gas Corporation	$2.48	$87.54	$81.60	$84.57	2.93%	3.09%	9.20%	12.70%	n/a	10.95%	~~3.80%~~	14.04%
Proxy Group Mean					3.21%	3.32%	7.58%	8.42%	6.50%	7.59%		10.91%

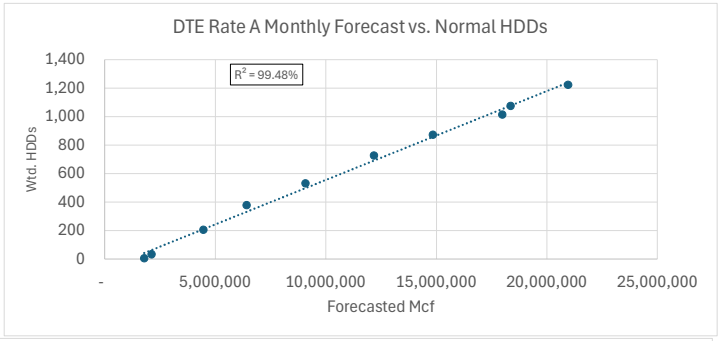
[1] Exhibit A-31, Sched. U1
[2] Source: Yahoo! Finance covering 30-day period ending Feb 12 2026.
[3] *Id.*
[4] Average of [2] and [3]
[5] [1] divided by [4]
[6] [5] times [1+(0.5*[10])]
[7] Exhibit A-31, Sched. U1
[8] *Id.*
[9] *Id.*
[10] Average of [7], [8] and [9]
~~[11] Source: Exhibit CUB-6~~
[12] [6] plus [10]

Michigan Public Service Commission
DTE Gas Company
Monthly Sales vs. Normal HDDs

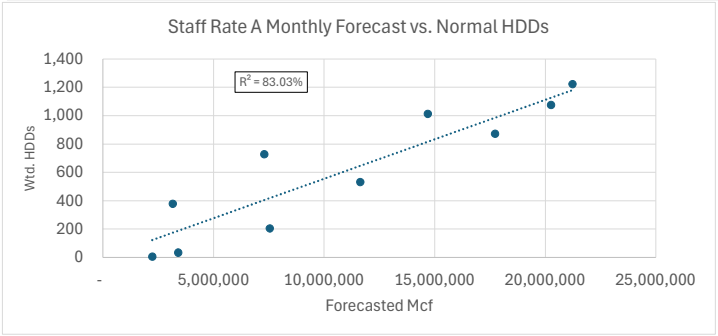
Case No.: U-21973
Exhibit: A-32
Schedule: V1
Witness: G. H. Chapel
Page: 1 of 1

Rate A Out-of Sample Test

	DTE Forecast	Billed Sales	Absolute Error	Absolute Percentage Error	Normal Wtd. HDDs
Oct-24	6,421,714	3,185,212.5	3236501.85	101.6%	379
Nov-24	12,177,127	5,615,063.6	6562063.501	116.9%	727
Dec-24	17,986,386	14,464,842.6	3521543.098	24.3%	1,013
Jan-25	20,955,865	21,367,204.2	411338.9478	1.9%	1,222
Feb-25	18,360,385	19,980,075.1	1619689.844	8.1%	1,075
Mar-25	14,846,743	16,518,286.6	1671543.322	10.1%	872
Apr-25	9,076,264	10,998,874.0	1922609.626	17.5%	532
May-25	4,458,013	5,962,450.0	1504436.878	25.2%	205
Jun-25	2,119,246	3,331,312.5	1212066.161	36.4%	34
Jul-25	1,785,289	2,064,283.9	278995.1016	13.5%	5
			MAPE:	35.6%	

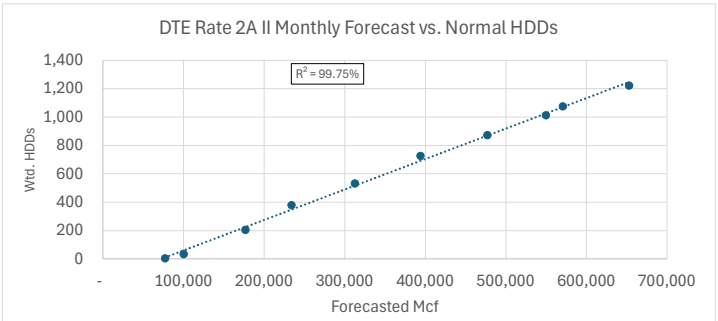


	Staff Forecast	Billed Sales	Absolute Error	Absolute Percentage Error	Normal Wtd. HDDs
Oct-24	3,153,798	3,185,212.5	31414.15	1.0%	379
Nov-24	7,296,915	5,615,063.6	1681851.17	30.0%	727
Dec-24	14,691,207	14,464,842.6	226364.46	1.6%	1,013
Jan-25	21,239,919	21,367,204.2	127285.35	0.6%	1,222
Feb-25	20,265,330	19,980,075.1	285254.83	1.4%	1,075
Mar-25	17,732,422	16,518,286.6	1214135.7	7.4%	872
Apr-25	11,630,813	10,998,874.0	631939.18	5.7%	532
May-25	7,547,856	5,962,450.0	1585405.83	26.6%	205
Jun-25	3,404,568	3,331,312.5	73255.17	2.2%	34
Jul-25	2,229,933	2,064,283.9	165649.18	8.0%	5
			MAPE:	8.4%	

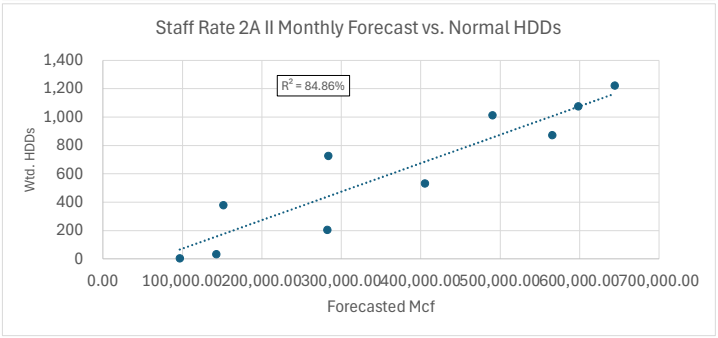


Rate A II Out-of Sample Test

	DTE Forecast	Billed Sales	Absolute Error	Absolute Percentage Error	Normal Wtd. HDDs
Oct-24	234,092	118,206	115885.3382	98.0%	379
Nov-24	394,223	225,808	168414.7743	74.6%	727
Dec-24	549,887	425,819	124068.2063	29.1%	1,013
Jan-25	652,836	577,993	74843.09169	12.9%	1,222
Feb-25	570,622	614,368	43745.69831	7.1%	1,075
Mar-25	477,218	505,332	28114.58206	5.6%	872
Apr-25	312,596	371,587	58990.56178	15.9%	532
May-25	176,851	235,753	58902.43064	25.0%	205
Jun-25	100,132	133,121	32988.90729	24.8%	34
Jul-25	77,067	83,563	6495.127501	7.8%	5
			MAPE:	30.1%	



	Staff Forecast	Billed Sales	Absolute Error	Absolute Percentage Error	Normal Wtd. HDDs
Oct-24	151,609.16	118,206	33402.76	28.3%	379
Nov-24	283,732.58	225,808	57924.58	25.7%	727
Dec-24	490,439.85	425,819	64620.95	15.2%	1,013
Jan-25	644,274.57	577,993	66281.17	11.5%	1,222
Feb-25	598,189.96	614,368	16177.64	2.6%	1,075
Mar-25	565,490.49	505,332	60158.09	11.9%	872
Apr-25	405,173.18	371,587	33586.68	9.0%	532
May-25	282,287.32	235,753	46534.32	19.7%	205
Jun-25	142,793.15	133,121	9671.85	7.3%	34
Jul-25	96,652.64	83,563	13090.14	15.7%	5
			MAPE:	14.7%	



MPSC Case No: U-21973

Requester: Staff

Question No.: STDG-1.2a

Respondent: G. H. Chapel

Page: 1 of 1

Question: Refer to the audit response attachments KH-1.1-01 to KH-1.1-25:

a) Confirm whether the inputs to the forecasting models are billed sales, or sales on a billed & unbilled basis.

Answer: The inputs for the forecasting model regressions are based on billed sales per customer by region (24-months ended July 2025). The results of these regressions are then fine-tuned to historical billed and unbilled sales data (24-months ended July 2025).

Attachment: U-21973 STDG-1.2a Forecast Verification

MPSC Case No: U-21973

Requester: Staff

Question No.: STDG-1.2b

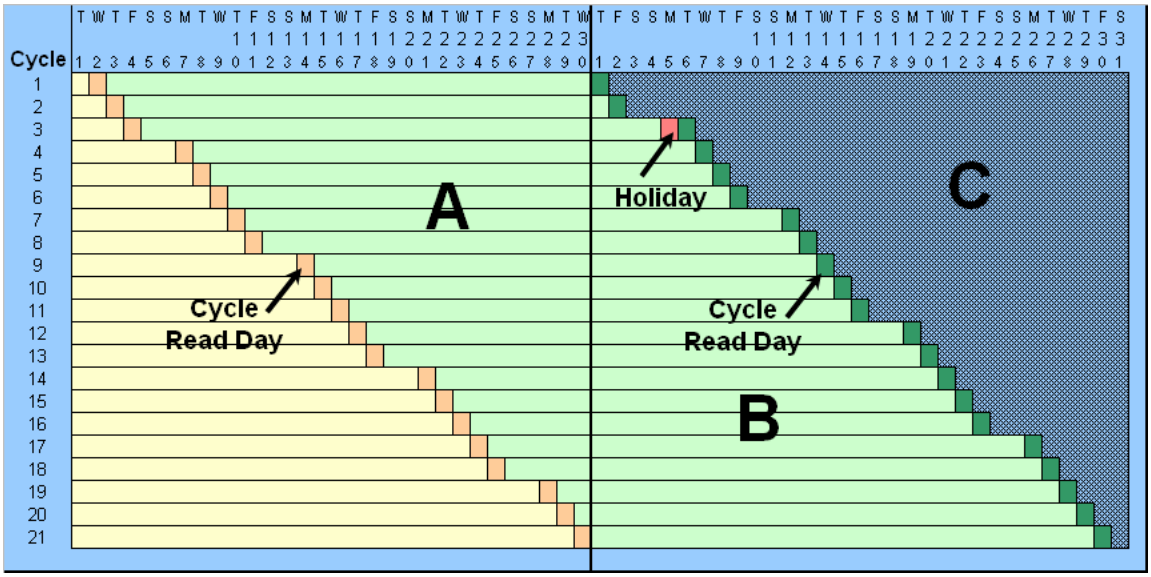
Respondent: G. H. Chapel

Page: 1 of 2

Question: Refer to the audit response attachments KH-1.1-01 to KH-1.1-25:

b) Explain the process whereby billed sales (i.e. the Mcf data contained in KH-1.1-01 to KH-1.1-24) are converted to sales on a billed and unbilled basis.

Answer: Billed sales by region are generated via a monthly report. Unbilled sales by region, however, are not available. The Company only estimates unbilled sales on a company-wide basis. As such, an adjustment to the underlying regional weather data must be made to closely align with the underlying regional sales data before a regression may be made. Please see the attachments. These are the historical weather files that spread historical HDDs back across the months in a fashion that allocates HDDs in a fashion consistent with how customer's meters are read. This fashion is best demonstrated in the green parallelogram (i.e. A & B) - from a white paper entitled "Modeling and Accounting Methods for Estimating Unbilled Energy" by Itron Energy Forecasting, dated 2006. See below:



The allocated HDDs by region, then, are regressed against the billed sales by region to calculate base load and heat load factors by region. These factors

MPSC Case No: U-21973

Requester: Staff

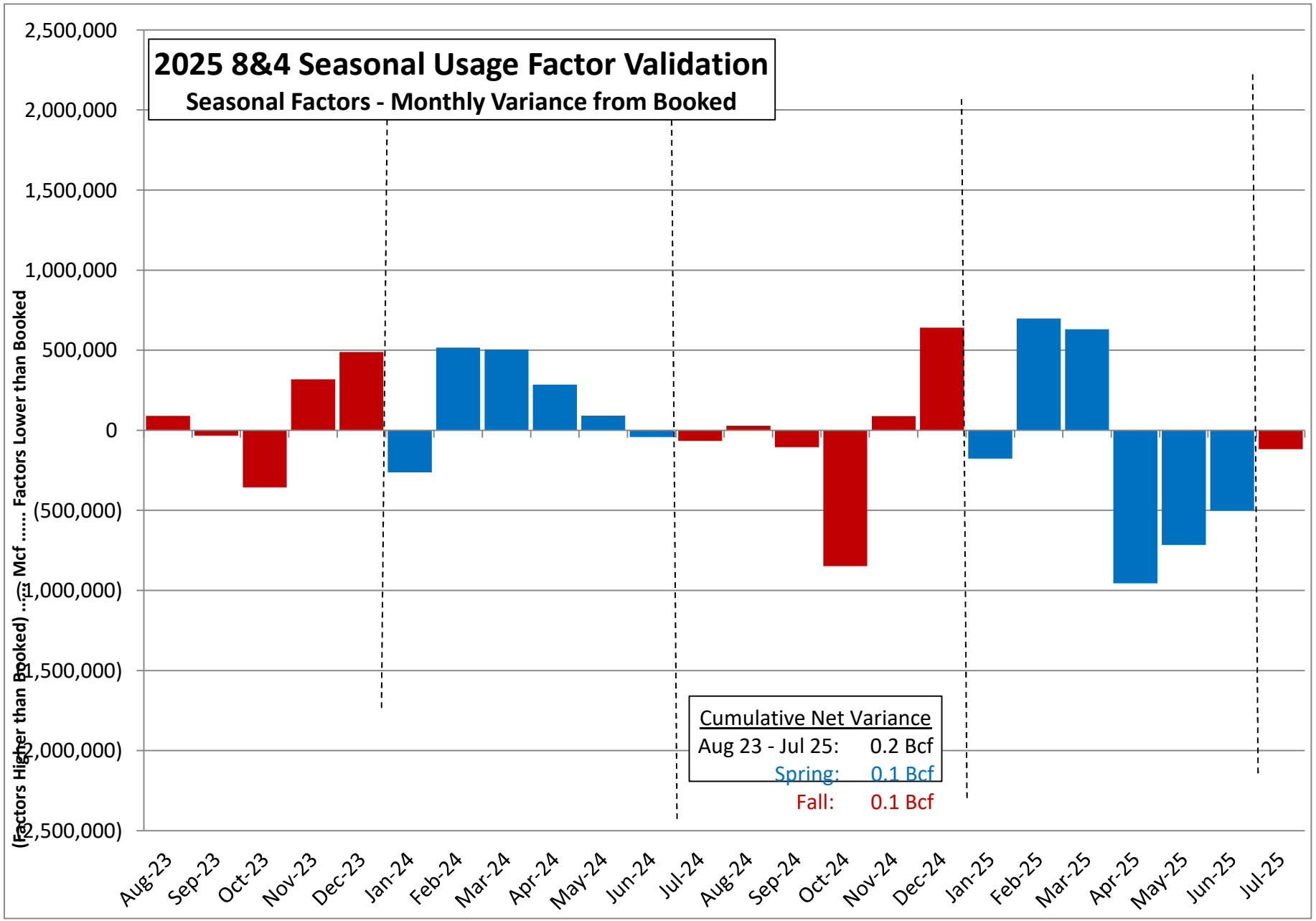
Question No.: STDG-1.2b

Respondent: G. H. Chapel

Page: 2 of 2

are then applied to forecasted customer counts and calendar HDDs to determine monthly billed and unbilled (i.e. “calendar”) sales. See the fourteen attachments that depict how this HDD allocation is made for each region.

Attachment:
U-21973 STDG-1.2b-01 Alpena 2021-24
U-21973 STDG-1.2b-02 Alpena 2025
U-21973 STDG-1.2b-03 Detroit 2021-24
U-21973 STDG-1.2b-04 Detroit 2025
U-21973 STDG-1.2b-05 Grand Rapids 2021-24
U-21973 STDG-1.2b-06 Grand Rapids 2025
U-21973 STDG-1.2b-07 Iron Mountain 2021-24
U-21973 STDG-1.2b-08 Iron Mountain 2025
U-21973 STDG-1.2b-09 Muskegon 2021-24
U-21973 STDG-1.2b-10 Muskegon 2025
U-21973 STDG-1.2b-11 Sault 2021-24
U-21973 STDG-1.2b-12 Sault 2025
U-21973 STDG-1.2b-13 Traverse City 2021-24
U-21973 STDG-1.2b-14 Traverse City 2025


2025 8&4 Seasonal Usage Factor Validation
Seasonal Factors - Monthly Variance from Booked
(Factors Higher than Booked) ..... Mcf ..... Factors Lower than Booked
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
(500,000)
(1,000,000)
(1,500,000)
(2,000,000)
(2,500,000)
Aug-23
Sep-23
Oct-23
Nov-23
Dec-23
Jan-24
Feb-24
Mar-24
Apr-24
May-24
Jun-24
Jul-24
Aug-24
Sep-24
Oct-24
Nov-24
Dec-24
Jan-25
Feb-25
Mar-25
Apr-25
May-25
Jun-25
Jul-25
Cumulative Net Variance
Aug 23 - Jul 25: 0.2 Bcf
Spring: 0.1 Bcf
Fall: 0.1 Bcf

Total Company Summary: 8&4 Validation - Iteration Five

	Monthly Weather Calculation	Monthly Booked Volume	Bias / Magnitude	Notes
Aug-23	2,756,071	2,847,405	91,334	
Sep-23	3,160,306	3,127,198	(33,108)	
Oct-23	9,022,389	8,667,592	(354,797)	
Nov-23	16,719,300	17,037,840	318,540	
Dec-23	18,172,947	18,662,775	489,828	
Jan-24	27,994,918	27,732,050	(262,868)	
Feb-24	20,049,857	20,566,284	516,427	
Mar-24	17,571,517	18,075,765	504,248	
Apr-24	9,975,228	10,259,807	284,579	
May-24	4,255,250	4,346,909	91,659	
Jun-24	2,999,450	2,957,984	(41,466)	
Jul-24	2,641,577	2,576,341	(65,236)	
Aug-24	2,703,361	2,732,343	28,982	
Sep-24	2,991,408	2,886,313	(105,095)	
Oct-24	7,560,977	6,714,167	(846,810)	
Nov-24	13,848,653	13,938,063	89,410	
Dec-24	23,561,041	24,202,948	641,907	
Jan-25	31,945,426	31,769,266	(176,160)	
Feb-25	27,196,086	27,894,367	698,281	
Mar-25	17,751,770	18,382,556	630,786	
Apr-25	12,116,195	11,160,142	(956,053)	
May-25	6,926,571	6,210,927	(715,644)	
Jun-25	3,118,354	2,616,212	(502,142)	
Jul-25	2,629,284	2,511,707	(117,577)	
				% of Booked
Aug 23 - Jul 25	287,667,934	287,876,961	209,027	0.1%
Spring	181,900,622	181,972,269	71,647	0.0%
Fall	105,767,312	105,904,692	137,380	0.1%
Base Load	10,730,293	10,667,796	(62,497)	-0.6%

Alpena Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,120.2	1,276.5	1,180.7	697.8	539.5	179.0	47.0	15.6	68.0	211.0	610.3	1,019.4
2022	1,265.8	1,369.7	1,292.8	911.6	524.6	169.1	54.9	13.2	62.6	392.9	583.4	998.8
2023	1,051.6	1,123.5	1,174.7	823.9	501.6	189.7	38.7	19.3	109.1	265.5	665.5	965.5
2024	1,041.6	991.8	973.9	782.3	418.2	136.9	42.5	12.6	65.1	254.0	527.4	999.7

Alpena Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,208.9	1,321.4	1,153.5	855.8	521.1	213.5	38.6	26.7	153.9	265.5		
2026												
2027												
2028												

Detroit Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	995.5	1,149.2	982.2	492.9	365.5	93.8	7.8	0.0	10.6	93.0	516.4	850.6
2022	1,056.9	1,202.4	981.5	656.1	339.0	39.3	3.4	0.0	12.3	238.6	454.2	865.8
2023	936.7	930.6	886.3	603.1	363.5	71.2	7.2	0.3	20.0	166.5	516.1	804.1
2024	927.4	901.4	740.3	570.3	201.8	33.2	4.0	1.0	21.7	137.4	378.2	872.6

Detroit Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,082.6	1,135.3	951.0	553.2	278.7	116.5	1.3	2.5	42.3	117.8		
2026												
2027												
2028												

Grand Rapids Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,032.2	1,187.4	1,046.5	548.6	416.5	119.8	15.1	0.0	11.2	108.1	563.2	905.8
2022	1,112.2	1,216.3	1,062.6	753.1	415.2	78.5	7.2	4.0	25.6	313.1	522.6	942.8
2023	1,004.6	993.5	974.7	648.7	385.4	87.2	10.4	3.0	46.7	215.2	564.2	851.9
2024	957.9	935.2	778.6	631.5	246.8	56.0	12.5	5.4	37.9	177.5	440.8	935.7

Grand Rapids Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,135.8	1,164.5	1,004.3	634.8	329.4	142.9	2.4	3.9	78.8	151.2		
2026												
2027												
2028												

Iron Mountain Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,285.5	1,468.4	1,308.5	756.9	589.5	189.3	57.9	26.0	92.0	241.0	704.6	1,178.6
2022	1,470.8	1,563.9	1,452.7	980.6	588.1	219.0	53.2	25.6	87.0	436.0	691.7	1,191.8
2023	1,258.4	1,281.2	1,255.4	945.9	568.1	184.1	63.0	36.5	135.6	333.9	789.1	1,068.3
2024	1,173.3	1,069.8	1,065.8	846.2	485.0	175.7	67.9	47.0	82.6	301.0	611.4	1,150.8

Iron Mountain Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,371.3	1,431.1	1,257.8	927.3	541.1	226.0	46.1	37.6	169.1	266.7		
2026												
2027												
2028												

Muskegon Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,004.7	1,156.7	1,049.6	566.7	444.1	124.4	14.7	2.2	11.6	95.2	511.3	866.9
2022	1,037.1	1,148.2	1,025.9	733.4	398.1	97.0	12.2	3.8	15.6	275.2	469.4	850.0
2023	924.6	927.3	917.5	624.7	374.7	89.6	18.5	0.2	28.6	174.7	520.4	772.3
2024	862.4	861.4	749.0	602.4	224.9	53.9	16.8	3.1	34.5	171.5	411.3	866.9

Muskegon Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,045.9	1,108.0	987.3	653.3	387.2	189.2	7.1	5.2	88.7	149.7		
2026												
2027												
2028												

Sault Ste. Marie Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,129.0	1,334.3	1,248.9	742.5	552.7	159.3	45.9	10.3	65.3	183.5	607.2	1,059.5
2022	1,353.7	1,450.5	1,414.3	974.9	592.9	266.9	112.3	26.8	70.9	403.6	627.6	1,076.4
2023	1,158.9	1,226.0	1,239.2	927.0	553.2	178.2	56.8	19.3	109.6	274.5	722.4	1,020.9
2024	1,131.0	1,064.4	1,054.2	821.4	494.2	191.1	64.5	19.5	74.2	249.5	552.3	1,058.2

Sault Ste. Marie Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,273.4	1,381.4	1,298.6	988.9	590.3	269.6	69.8	30.3	163.1	266.7		
2026												
2027												
2028												

Traverse City Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2021	1,028.8	1,196.6	1,083.7	612.4	518.9	143.2	27.2	6.0	29.0	134.3	545.8	933.8
2022	1,161.1	1,228.7	1,188.6	839.3	469.3	153.8	27.7	4.5	30.2	325.1	503.6	916.7
2023	981.0	1,014.6	1,050.3	719.2	439.0	139.6	29.4	5.3	64.8	195.8	582.5	874.4
2024	943.3	905.6	933.7	711.6	351.3	97.6	31.0	8.4	46.1	188.0	445.6	931.5

Traverse City Billed HDDs

	January	February	March	April	May	June	July	August	September	October	November	December
2025	1,140.9	1,221.9	1,064.0	767.5	472.6	197.5	16.2	11.9	106.3	187.1		
2026												
2027												
2028												

MPSC Staff's Answer to the DTE Gas Company's Second Discovery Request
MPSC Case No. U-21973
March 24, 2026

The following questions are in reference to Witness Hubbell's direct testimony:

Question DGST-2.1:

Did Staff use sales on an unbilled basis to perform their analysis?

a. If not, why not?

b. If not, why does Staff believe that using a monthly sales forecast that does not correspond to the HDDs for that month is appropriate?

Answer:

No.

a. In Discovery STDG-1.2a, Staff asked the Company whether the inputs to their forecasting model were billed sales or sales on a billed and unbilled basis. The Company responded that the inputs to their models were based on billed sales. Since the Company used billed sales in its model, Staff chose to also use billed sales.

b. As stated in the previous answer, Staff's main consideration in choosing to use billed sales was using the same inputs as the Company.

Respondent: Kristina Hubbell

MPSC Staff's Answer to the DTE Gas Company's Second Discovery Request
MPSC Case No. U-21973
March 24, 2026

Question DGST-2.2:

Staff's forecasted Rate A consumption per customer is 90.5 Mcf/customer.

a. What was the historical base consumption level used to derive this number?

i. Please provide the calculation and any supporting documentation used to calculate this number.

ii. Please provide the inputs and associated data Staff used in their Rate A consumption per customer forecast for EWR, Michigan economic, and demographic inputs used.

iii. For each input in part ii, please quantify each of these impacts independently on Staff's Rate A forecast of 90.5 Mcf/customer.

Answer:

a. Staff used historical use per customer data from January 2010 through October 2025 which can be found in attachment U-21973 Rate A Forecast Data.

i. Please see attachment U-21973 Rate A Forecast Data.

ii. Please see attachment U-21973 Rate A Forecast Data

iii. The coefficients corresponding with each explanatory variable in the regression models Staff used to create the forecast can be found in attachment U-21973 Rate A Forecast Data. The impacts of each variable are quantified by the coefficients. The impact of EWR was calculated outside of the regression model and can be found on worksheet "Rate A EWR Adjustment" of attachment U-21973 Rate A Forecast Data.

Respondent: Kristina Hubbell

Rate A Comparison

	Billed Sales Forecast	Billed Sales Forecast w/ EWR	Calendar Sales Forecast	Calendar Sales Forecast w/ EWR
Oct-26	3,803,204	3,765,171	6,366,527	6,302,862
Nov-26	8,548,394	8,462,910	12,737,697	12,610,321
Dec-26	15,276,277	15,123,515	17,910,316	17,731,213
Jan-27	20,941,172	20,524,443	22,141,059	21,700,452
Feb-27	19,920,442	19,524,026	19,247,031	18,864,016
Mar-27	18,783,719	18,409,923	15,348,557	15,043,121
Apr-27	12,340,930	12,095,345	9,476,952	9,288,360
May-27	7,228,189	7,084,348	4,474,787	4,385,738
Jun-27	3,343,472	3,276,937	2,347,124	2,300,417
Jul-27	2,227,347	2,183,023	2,057,962	2,017,009
Aug-27	2,061,340	2,020,319	2,010,962	1,970,944
Sep-27	2,161,717	2,118,698	2,611,487	2,559,519
	116,636,202	114,588,658	116,730,463	114,773,971

Apr-Dec 2026	99.000%
Jan-Mar 2027	98.010%
Apr-Dec 2027	98.010%

Rate A Residential Heat UPC Data (Calendar Sales)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	LagDep(1)	Xmissing	Ymissing
2010	1	18.32	1,247.49	1	0	0	0	0	0	0	0	0	0	0		1	0
2010	2	15.3	1,067.12	0	1	0	0	0	0	0	0	0	0	0	18.32	0	0
2010	3	10.33	739.87	0	0	1	0	0	0	0	0	0	0	0	15.3	0	0
2010	4	5.64	372.21	0	0	0	1	0	0	0	0	0	0	0	10.33	0	0
2010	5	3.64	194.54	0	0	0	0	1	0	0	0	0	0	0	5.64	0	0
2010	6	2.15	32.86	0	0	0	0	0	1	0	0	0	0	0	3.64	0	0
2010	7	1.92	2.02	0	0	0	0	0	0	1	0	0	0	0	2.15	0	0
2010	8	1.78	3.99	0	0	0	0	0	0	0	1	0	0	0	1.92	0	0
2010	9	2.4	128.42	0	0	0	0	0	0	0	0	1	0	0	1.78	0	0
2010	10	4.74	354.33	0	0	0	0	0	0	0	0	0	1	0	2.4	0	0
2010	11	9.91	705.51	0	0	0	0	0	0	0	0	0	0	1	4.74	0	0
2010	12	17.55	1,207.25	0	0	0	0	0	0	0	0	0	0	0	9.91	0	0
2011	1	19.66	1,368.46	1	0	0	0	0	0	0	0	0	0	0	17.55	0	0
2011	2	15.76	1,127.13	0	1	0	0	0	0	0	0	0	0	0	19.66	0	0
2011	3	13.98	978.03	0	0	1	0	0	0	0	0	0	0	0	15.76	0	0
2011	4	8.3	569.64	0	0	0	1	0	0	0	0	0	0	0	13.98	0	0
2011	5	4.15	225.49	0	0	0	0	1	0	0	0	0	0	0	8.3	0	0
2011	6	2.17	34.71	0	0	0	0	0	1	0	0	0	0	0	4.15	0	0
2011	7	1.87	0.77	0	0	0	0	0	0	1	0	0	0	0	2.17	0	0
2011	8	1.76	2.13	0	0	0	0	0	0	0	1	0	0	0	1.87	0	0
2011	9	2.72	143.02	0	0	0	0	0	0	0	0	1	0	0	1.76	0	0
2011	10	5.28	372.43	0	0	0	0	0	0	0	0	0	1	0	2.72	0	0
2011	11	8.75	605.68	0	0	0	0	0	0	0	0	0	0	1	5.28	0	0
2011	12	14.06	942.62	0	0	0	0	0	0	0	0	0	0	0	8.75	0	0
2012	1	15.87	1,096.07	1	0	0	0	0	0	0	0	0	0	0	14.06	0	0
2012	2	14.23	959.54	0	1	0	0	0	0	0	0	0	0	0	15.87	0	0
2012	3	8.08	501.54	0	0	1	0	0	0	0	0	0	0	0	14.23	0	0
2012	4	7.45	512.59	0	0	0	1	0	0	0	0	0	0	0	8.08	0	0
2012	5	2.35	126.76	0	0	0	0	1	0	0	0	0	0	0	7.45	0	0
2012	6	1.88	34.59	0	0	0	0	0	1	0	0	0	0	0	2.35	0	0
2012	7	1.81	0.91	0	0	0	0	0	0	1	0	0	0	0	1.88	0	0
2012	8	1.71	8.97	0	0	0	0	0	0	0	1	0	0	0	1.81	0	0
2012	9	2.64	141.91	0	0	0	0	0	0	0	0	1	0	0	1.71	0	0
2012	10	5.94	425.55	0	0	0	0	0	0	0	0	0	1	0	2.64	0	0
2012	11	11.06	752.47	0	0	0	0	0	0	0	0	0	0	1	5.94	0	0
2012	12	13.24	931.74	0	0	0	0	0	0	0	0	0	0	0	11.06	0	0
2013	1	17.34	1,152.52	1	0	0	0	0	0	0	0	0	0	0	13.24	0	0
2013	2	16.07	1,103.71	0	1	0	0	0	0	0	0	0	0	0	17.34	0	0
2013	3	13.96	1,001.84	0	0	1	0	0	0	0	0	0	0	0	16.07	0	0
2013	4	9.15	610.77	0	0	0	1	0	0	0	0	0	0	0	13.96	0	0
2013	5	3.64	181.18	0	0	0	0	1	0	0	0	0	0	0	9.15	0	0
2013	6	1.91	47.37	0	0	0	0	0	1	0	0	0	0	0	3.64	0	0
2013	7	2.03	13.99	0	0	0	0	0	0	1	0	0	0	0	1.91	0	0
2013	8	1.74	17.52	0	0	0	0	0	0	0	1	0	0	0	2.03	0	0
2013	9	2.55	125.28	0	0	0	0	0	0	0	0	1	0	0	1.74	0	0
2013	10	5.59	398.87	0	0	0	0	0	0	0	0	0	1	0	2.55	0	0
2013	11	11.76	829.76	0	0	0	0	0	0	0	0	0	0	1	5.59	0	0
2013	12	17.57	1,230.34	0	0	0	0	0	0	0	0	0	0	0	11.76	0	0
2014	1	22.42	1,499.52	1	0	0	0	0	0	0	0	0	0	0	17.57	0	0
2014	2	18.76	1,324.11	0	1	0	0	0	0	0	0	0	0	0	22.42	0	0
2014	3	15.86	1,185.48	0	0	1	0	0	0	0	0	0	0	0	18.76	0	0
2014	4	7.9	544.45	0	0	0	1	0	0	0	0	0	0	0	15.86	0	0
2014	5	3.82	224.8	0	0	0	0	1	0	0	0	0	0	0	7.9	0	0
2014	6	2.05	29.11	0	0	0	0	0	1	0	0	0	0	0	3.82	0	0
2014	7	1.99	21.02	0	0	0	0	0	0	1	0	0	0	0	2.05	0	0
2014	8	1.66	14.49	0	0	0	0	0	0	0	1	0	0	0	1.99	0	0
2014	9	2.67	134.44	0	0	0	0	0	0	0	0	1	0	0	1.66	0	0
2014	10	5.92	431.05	0	0	0	0	0	0	0	0	0	1	0	2.67	0	0
2014	11	12.31	905.98	0	0	0	0	0	0	0	0	0	0	1	5.92	0	0
2014	12	14.2	1,013.30	0	0	0	0	0	0	0	0	0	0	0	12.31	0	0
2015	1	19.75	1,376.57	1	0	0	0	0	0	0	0	0	0	0	14.2	0	0
2015	2	20.56	1,451.32	0	1	0	0	0	0	0	0	0	0	0	19.75	0	0
2015	3	13.52	994.52	0	0	1	0	0	0	0	0	0	0	0	20.56	0	0
2015	4	7.15	507.94	0	0	0	1	0	0	0	0	0	0	0	13.52	0	0
2015	5	2.98	163.96	0	0	0	0	1	0	0	0	0	0	0	7.15	0	0
2015	6	1.99	43.55	0	0	0	0	0	1	0	0	0	0	0	2.98	0	0
2015	7	1.83	12.09	0	0	0	0	0	0	1	0	0	0	0	1.99	0	0
2015	8	1.72	15.04	0	0	0	0	0	0	0	1	0	0	0	1.83	0	0
2015	9	1.87	51.03	0	0	0	0	0	0	0	0	1	0	0	1.72	0	0
2015	10	4.83	370	0	0	0	0	0	0	0	0	0	1	0	1.87	0	0
2015	11	8.53	590.04	0	0	0	0	0	0	0	0	0	0	1	4.83	0	0
2015	12	10.6	775.8	0	0	0	0	0	0	0	0	0	0	0	8.53	0	0
2016	1	17.07	1,185.84	1	0	0	0	0	0	0	0	0	0	0	10.6	0	0
2016	2	14.99	1,024.24	0	1	0	0	0	0	0	0	0	0	0	17.07	0	0
2016	3	10.33	742.13	0	0	1	0	0	0	0	0	0	0	0	14.99	0	0
2016	4	8.23	600.07	0	0	0	1	0	0	0	0	0	0	0	10.33	0	0
2016	5	3.74	224.36	0	0	0	0	1	0	0	0	0	0	0	8.23	0	0

Rate A Residential Heat UPC Data (Calendar Sales)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	LagDep(1)	Xmissing	Ymissing
2016	6	1.77	32.31	0	0	0	0	0	1	0	0	0	0	0	3.74	0	0
2016	7	1.63	4.73	0	0	0	0	0	0	1	0	0	0	0	1.77	0	0
2016	8	1.57	1.45	0	0	0	0	0	0	0	1	0	0	0	1.63	0	0
2016	9	1.79	43.96	0	0	0	0	0	0	0	0	1	0	0	1.57	0	0
2016	10	4.51	326.5	0	0	0	0	0	0	0	0	0	1	0	1.79	0	0
2016	11	8.05	561.78	0	0	0	0	0	0	0	0	0	0	1	4.51	0	0
2016	12	15.41	1,131.51	0	0	0	0	0	0	0	0	0	0	0	8.05	0	0
2017	1	15.95	1,075.28	1	0	0	0	0	0	0	0	0	0	0	15.41	0	0
2017	2	11.94	823.28	0	1	0	0	0	0	0	0	0	0	0	15.95	0	0
2017	3	12.57	923.94	0	0	1	0	0	0	0	0	0	0	0	11.94	0	0
2017	4	6.24	389.57	0	0	0	1	0	0	0	0	0	0	0	12.57	0	0
2017	5	4.29	262.84	0	0	0	0	1	0	0	0	0	0	0	6.24	0	0
2017	6	1.63	27.18	0	0	0	0	0	1	0	0	0	0	0	4.29	0	0
2017	7	1.56	2.36	0	0	0	0	0	0	1	0	0	0	0	1.63	0	0
2017	8	1.59	16.64	0	0	0	0	0	0	0	1	0	0	0	1.56	0	0
2017	9	2.07	86.1	0	0	0	0	0	0	0	0	1	0	0	1.59	0	0
2017	10	3.86	294.73	0	0	0	0	0	0	0	0	0	1	0	2.07	0	0
2017	11	10.62	774.05	0	0	0	0	0	0	0	0	0	0	1	3.86	0	0
2017	12	17.17	1,221.43	0	0	0	0	0	0	0	0	0	0	0	10.62	0	0
2018	1	17.92	1,256.17	1	0	0	0	0	0	0	0	0	0	0	17.17	0	0
2018	2	14.28	999.57	0	1	0	0	0	0	0	0	0	0	0	17.92	0	0
2018	3	13.89	960.97	0	0	1	0	0	0	0	0	0	0	0	14.28	0	0
2018	4	10.1	734.82	0	0	0	1	0	0	0	0	0	0	0	13.89	0	0
2018	5	3.06	115.56	0	0	0	0	1	0	0	0	0	0	0	10.1	0	0
2018	6	1.97	23.99	0	0	0	0	0	1	0	0	0	0	0	3.06	0	0
2018	7	1.41	0.9	0	0	0	0	0	0	1	0	0	0	0	1.97	0	0
2018	8	1.57	3.08	0	0	0	0	0	0	0	1	0	0	0	1.41	0	0
2018	9	1.78	86.19	0	0	0	0	0	0	0	0	1	0	0	1.57	0	0
2018	10	5.98	456.4	0	0	0	0	0	0	0	0	0	1	0	1.78	0	0
2018	11	12.26	882.53	0	0	0	0	0	0	0	0	0	0	1	5.98	0	0
2018	12	14.14	984.7	0	0	0	0	0	0	0	0	0	0	0	12.26	0	0
2019	1	19.22	1,332.94	1	0	0	0	0	0	0	0	0	0	0	14.14	0	0
2019	2	15.69	1,090.13	0	1	0	0	0	0	0	0	0	0	0	19.22	0	0
2019	3	14.3	1,008.55	0	0	1	0	0	0	0	0	0	0	0	15.69	0	0
2019	4	7.31	527.31	0	0	0	1	0	0	0	0	0	0	0	14.3	0	0
2019	5	4.19	265.49	0	0	0	0	1	0	0	0	0	0	0	7.31	0	0
2019	6	2.04	59.31	0	0	0	0	0	1	0	0	0	0	0	4.19	0	0
2019	7	1.74	2.14	0	0	0	0	0	0	1	0	0	0	0	2.04	0	0
2019	8	1.45	9.81	0	0	0	0	0	0	0	1	0	0	0	1.74	0	0
2019	9	1.56	42.92	0	0	0	0	0	0	0	0	1	0	0	1.45	0	0
2019	10	5.37	419.37	0	0	0	0	0	0	0	0	0	1	0	1.56	0	0
2019	11	12.17	901.59	0	0	0	0	0	0	0	0	0	0	1	5.37	0	0
2019	12	13.66	976	0	0	0	0	0	0	0	0	0	0	0	12.17	0	0
2020	1	14.83	1,042.14	1	0	0	0	0	0	0	0	0	0	0	13.66	0	0
2020	2	15.27	1,060.75	0	1	0	0	0	0	0	0	0	0	0	14.83	0	0
2020	3	10.99	794.17	0	0	1	0	0	0	0	0	0	0	0	15.27	0	0
2020	4	7.93	616.13	0	0	0	1	0	0	0	0	0	0	0	10.99	0	0
2020	5	4.86	304.97	0	0	0	0	1	0	0	0	0	0	0	7.93	0	0
2020	6	1.89	33.55	0	0	0	0	0	1	0	0	0	0	0	4.86	0	0
2020	7	1.12	0.7	0	0	0	0	0	0	1	0	0	0	0	1.89	0	0
2020	8	1.4	5.29	0	0	0	0	0	0	0	1	0	0	0	1.12	0	0
2020	9	2.39	126.12	0	0	0	0	0	0	0	0	1	0	0	1.4	0	0
2020	10	6.62	490.9	0	0	0	0	0	0	0	0	0	1	0	2.39	0	0
2020	11	8.37	598.34	0	0	0	0	0	0	0	0	0	0	1	6.62	0	0
2020	12	13.69	1,009.73	0	0	0	0	0	0	0	0	0	0	0	8.37	0	0
2021	1	15.9	1,126.63	1	0	0	0	0	0	0	0	0	0	0	13.69	0	0
2021	2	16.78	1,204.44	0	1	0	0	0	0	0	0	0	0	0	15.9	0	0
2021	3	10.3	735.4	0	0	1	0	0	0	0	0	0	0	0	16.78	0	0
2021	4	6.72	480.87	0	0	0	1	0	0	0	0	0	0	0	10.3	0	0
2021	5	3.9	280.79	0	0	0	0	1	0	0	0	0	0	0	6.72	0	0
2021	6	1.72	23.11	0	0	0	0	0	1	0	0	0	0	0	3.9	0	0
2021	7	1.42	5	0	0	0	0	0	0	1	0	0	0	0	1.72	0	0
2021	8	1.45	0.82	0	0	0	0	0	0	0	1	0	0	0	1.42	0	0
2021	9	1.73	61.27	0	0	0	0	0	0	0	0	1	0	0	1.45	0	0
2021	10	3.71	246.09	0	0	0	0	0	0	0	0	0	1	0	1.73	0	0
2021	11	10.99	777.86	0	0	0	0	0	0	0	0	0	0	1	3.71	0	0
2021	12	12.73	915.91	0	0	0	0	0	0	0	0	0	0	0	10.99	0	0
2022	1	19.87	1,399.83	1	0	0	0	0	0	0	0	0	0	0	12.73	0	0
2022	2	15.51	1,120.31	0	1	0	0	0	0	0	0	0	0	0	19.87	0	0
2022	3	12.16	869.84	0	0	1	0	0	0	0	0	0	0	0	15.51	0	0
2022	4	8.37	607.25	0	0	0	1	0	0	0	0	0	0	0	12.16	0	0
2022	5	3.25	169.38	0	0	0	0	1	0	0	0	0	0	0	8.37	0	0
2022	6	1.75	34.85	0	0	0	0	0	1	0	0	0	0	0	3.25	0	0
2022	7	1.4	3.02	0	0	0	0	0	0	1	0	0	0	0	1.75	0	0
2022	8	1.52	4.74	0	0	0	0	0	0	0	1	0	0	0	1.4	0	0
2022	9	1.99	100.97	0	0	0	0	0	0	0	0	1	0	0	1.52	0	0
2022	10	5.47	405.68	0	0	0	0	0	0	0	0	0	1	0	1.99	0	0

Rate A Residential Heat UPC Data (Calendar Sales)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	LagDep(1)	Xmissing	Ymissing
2022	11	9.38	676.27	0	0	0	0	0	0	0	0	0	0	1	5.47	0	0
2022	12	15.02	1,031.81	0	0	0	0	0	0	0	0	0	0	0	9.38	0	0
2023	1	14.23	1,009.23	1	0	0	0	0	0	0	0	0	0	0	15.02	0	0
2023	2	12.88	923.23	0	1	0	0	0	0	0	0	0	0	0	14.23	0	0
2023	3	12.27	894.71	0	0	1	0	0	0	0	0	0	0	0	12.88	0	0
2023	4	6.89	484.73	0	0	0	1	0	0	0	0	0	0	0	12.27	0	0
2023	5	3.69	221.17	0	0	0	0	1	0	0	0	0	0	0	6.89	0	0
2023	6	1.83	34.94	0	0	0	0	0	1	0	0	0	0	0	3.69	0	0
2023	7	1.5	2.29	0	0	0	0	0	0	1	0	0	0	0	1.83	0	0
2023	8	1.6	16	0	0	0	0	0	0	0	1	0	0	0	1.5	0	0
2023	9	1.73	57.46	0	0	0	0	0	0	0	0	1	0	0	1.6	0	0
2023	10	5.17	379.08	0	0	0	0	0	0	0	0	0	1	0	1.73	0	0
2023	11	10.03	740.89	0	0	0	0	0	0	0	0	0	0	1	5.17	0	0
2023	12	10.72	803.54	0	0	0	0	0	0	0	0	0	0	0	10.03	0	0
2024	1	16.5	1,159.85	1	0	0	0	0	0	0	0	0	0	0	10.72	0	0
2024	2	11.72	841.42	0	1	0	0	0	0	0	0	0	0	0	16.5	0	0
2024	3	10.3	745.67	0	0	1	0	0	0	0	0	0	0	0	11.72	0	0
2024	4	6.01	415.25	0	0	0	1	0	0	0	0	0	0	0	10.3	0	0
2024	5	2.37	113.85	0	0	0	0	1	0	0	0	0	0	0	6.01	0	0
2024	6	1.62	25.08	0	0	0	0	0	1	0	0	0	0	0	2.37	0	0
2024	7	1.42	4.45	0	0	0	0	0	0	1	0	0	0	0	1.62	0	0
2024	8	1.47	10.13	0	0	0	0	0	0	0	1	0	0	0	1.42	0	0
2024	9	1.63	39.55	0	0	0	0	0	0	0	0	1	0	0	1.47	0	0
2024	10	3.92	313.21	0	0	0	0	0	0	0	0	0	1	0	1.63	0	0
2024	11	8.15	609.59	0	0	0	0	0	0	0	0	0	0	1	3.92	0	0
2024	12	14.19	1,026.42	0	0	0	0	0	0	0	0	0	0	0	8.15	0	0
2025	1	18.55	1,313.72	1	0	0	0	0	0	0	0	0	0	0	14.19	0	0
2025	2	15.71	1,122.34	0	1	0	0	0	0	0	0	0	0	0	18.55	0	0
2025	3	10.52	746.02	0	0	1	0	0	0	0	0	0	0	0	15.71	0	0
2025	4	6.38	502.42	0	0	0	1	0	0	0	0	0	0	0	10.52	0	0
2025	5	3.58	267.73	0	0	0	0	1	0	0	0	0	0	0	6.38	0	0
2025	6	1.41	31.99	0	0	0	0	0	1	0	0	0	0	0	3.58	0	0
2025	7	1.34	3.1	0	0	0	0	0	0	1	0	0	0	0	1.41	0	0
2025	8	1.34	9	0	0	0	0	0	0	0	1	0	0	0	1.34	0	0
2025	9	1.5	91	0	0	0	0	0	0	0	0	1	0	0	1.34	0	0
2025	10	4.23	379	0	0	0	0	0	0	0	0	0	1	0	1.5	0	0
2025	11		727	0	0	0	0	0	0	0	0	0	0	1	4.23	0	1
2025	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	10.11	0	1
2026	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	14.25	0	1
2026	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	17.61	0	1
2026	3		872	0	0	1	0	0	0	0	0	0	0	0	15.3	0	1
2026	4		532	0	0	0	1	0	0	0	0	0	0	0	12.19	0	1
2026	5		205	0	0	0	0	1	0	0	0	0	0	0	7.52	0	1
2026	6		34	0	0	0	0	0	1	0	0	0	0	0	3.54	0	1
2026	7		5	0	0	0	0	0	0	1	0	0	0	0	1.86	0	1
2026	8		9	0	0	0	0	0	0	0	1	0	0	0	1.62	0	1
2026	9		91	0	0	0	0	0	0	0	0	1	0	0	1.59	0	1
2026	10		379	0	0	0	0	0	0	0	0	0	1	0	2.06	0	1
2026	11		727	0	0	0	0	0	0	0	0	0	0	1	5.07	0	1
2026	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	10.15	0	1
2027	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	14.26	0	1
2027	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	17.61	0	1
2027	3		872	0	0	1	0	0	0	0	0	0	0	0	15.3	0	1
2027	4		532	0	0	0	1	0	0	0	0	0	0	0	12.19	0	1
2027	5		205	0	0	0	0	1	0	0	0	0	0	0	7.52	0	1
2027	6		34	0	0	0	0	0	1	0	0	0	0	0	3.54	0	1
2027	7		5	0	0	0	0	0	0	1	0	0	0	0	1.86	0	1
2027	8		9	0	0	0	0	0	0	0	1	0	0	0	1.62	0	1
2027	9		91	0	0	0	0	0	0	0	0	1	0	0	1.59	0	1
2027	10		379	0	0	0	0	0	0	0	0	0	1	0	2.06	0	1
2027	11		727	0	0	0	0	0	0	0	0	0	0	1	5.07	0	1
2027	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	10.15	0	1
2028	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	14.26	0	1
2028	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	17.61	0	1
2028	3		872	0	0	1	0	0	0	0	0	0	0	0	15.3	0	1
2028	4		532	0	0	0	1	0	0	0	0	0	0	0	12.19	0	1
2028	5		205	0	0	0	0	1	0	0	0	0	0	0	7.52	0	1
2028	6		34	0	0	0	0	0	1	0	0	0	0	0	3.54	0	1
2028	7		5	0	0	0	0	0	0	1	0	0	0	0	1.86	0	1
2028	8		9	0	0	0	0	0	0	0	1	0	0	0	1.62	0	1
2028	9		91	0	0	0	0	0	0	0	0	1	0	0	1.59	0	1
2028	10		379	0	0	0	0	0	0	0	0	0	1	0	2.06	0	1
2028	11		727	0	0	0	0	0	0	0	0	0	0	1	5.07	0	1
2028	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	10.15	0	1
2029	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	14.26	0	1
2029	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	17.61	0	1
2029	3		872	0	0	1	0	0	0	0	0	0	0	0	15.3	0	1

Rate A Residential Heat UPC Data (Calendar Sales)

Year	Month	GCR_GCC_HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	LagDep(1)	Xmissing	Ymissing
2029	4	532	0	0	0	1	0	0	0	0	0	0	0	12.19	0	1
2029	5	205	0	0	0	0	1	0	0	0	0	0	0	7.52	0	1
2029	6	34	0	0	0	0	0	1	0	0	0	0	0	3.54	0	1
2029	7	5	0	0	0	0	0	0	1	0	0	0	0	1.86	0	1
2029	8	9	0	0	0	0	0	0	0	1	0	0	0	1.62	0	1
2029	9	91	0	0	0	0	0	0	0	0	1	0	0	1.59	0	1
2029	10	379	0	0	0	0	0	0	0	0	0	1	0	2.06	0	1
2029	11	727	0	0	0	0	0	0	0	0	0	0	1	5.07	0	1
2029	12	1,013.00	0	0	0	0	0	0	0	0	0	0	0	10.15	0	1

Rate A Residential Heat UPC Coefficients (Calendar Sales)

Variable	Coefficient	StdErr	T-Stat	P-Value	
CONST	0.36	0.263	1.369	17.29%	Constant term
Weather.H	0.013	0	54.114	0.00%	
Binary.Jan	0.396	0.135	2.93	0.38%	
Binary.Feb	-0.129	0.171	-0.755	45.12%	
Binary.Mar	-0.441	0.157	-2.814	0.55%	
Binary.Apr	-0.461	0.175	-2.642	0.90%	
Binary.May	0.114	0.217	0.527	59.91%	
Binary.Jun	0.878	0.253	3.469	0.07%	
Binary.July	1.111	0.264	4.206	0.00%	
Binary.Aug	1.031	0.264	3.899	0.01%	
Binary.Sep	0.421	0.25	1.681	9.46%	
Binary.Oct	-0.406	0.204	-1.99	4.82%	
Binary.Nov	-0.083	0.146	-0.568	57.09%	
GC_GCC_l	0.047	0.018	2.654	0.87%	

Rate A Residential Heat Model Statistics (Cal)

Model Statistics	
Iterations	1
Adjusted Observations	189
Deg. of Freedom for Error	175
R-Squared	0.997
Adjusted R-Squared	0.997
AIC	-2.267
BIC	-2.027
F-Statistic	5123.34
Prob (F-Statistic)	0
Log-Likelihood	-39.93
Model Sum of Squares	6,426.09
Sum of Squared Errors	16.88
Mean Squared Error	0.1
Std. Error of Regression	0.31
Mean Abs. Dev. (MAD)	0.22
Mean Abs. % Err. (MAPE)	5.21%
Durbin-Watson Statistic	1.425
Durbin-H Statistic	4.072
Ljung-Box Statistic	181.19
Prob (Ljung-Box)	0
Skewness	0.15
Kurtosis	3.832
Jarque-Bera	6.167
Prob (Jarque-Bera)	0.0458

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2010	1	18.317				
2010	2	15.297	15.229	0.068	0.44%	0.219
2010	3	10.329	10.44	-0.111	-1.07%	-0.357
2010	4	5.641	5.315	0.325	5.77%	1.047
2010	5	3.636	3.317	0.319	8.78%	1.027
2010	6	2.148	1.844	0.303	14.12%	0.976
2010	7	1.924	1.599	0.325	16.89%	1.046
2010	8	1.78	1.535	0.245	13.75%	0.788
2010	9	2.401	2.566	-0.164	-6.84%	-0.529
2010	10	4.738	4.761	-0.023	-0.49%	-0.075
2010	11	9.908	9.846	0.062	0.63%	0.201
2010	12	17.552	16.819	0.733	4.18%	2.361
2011	1	19.657	19.709	-0.053	-0.27%	-0.169
2011	2	15.76	16.087	-0.327	-2.07%	-1.051
2011	3	13.983	13.616	0.367	2.62%	1.181
2011	4	8.297	8.103	0.194	2.34%	0.625
2011	5	4.149	3.852	0.297	7.16%	0.957
2011	6	2.17	1.893	0.277	12.76%	0.891
2011	7	1.873	1.583	0.29	15.48%	0.933
2011	8	1.757	1.508	0.25	14.20%	0.803
2011	9	2.72	2.758	-0.039	-1.42%	-0.124
2011	10	5.278	5.016	0.262	4.97%	0.845
2011	11	8.746	8.549	0.197	2.25%	0.633
2011	12	14.057	13.259	0.799	5.68%	2.572
2012	1	15.872	15.937	-0.065	-0.41%	-0.208
2012	2	14.228	13.689	0.539	3.79%	1.736
2012	3	8.076	7.232	0.844	10.45%	2.718
2012	4	7.447	7.069	0.377	5.07%	1.215
2012	5	2.348	2.504	-0.156	-6.66%	-0.503
2012	6	1.876	1.807	0.069	3.67%	0.221
2012	7	1.814	1.571	0.243	13.37%	0.781
2012	8	1.707	1.596	0.111	6.52%	0.358
2012	9	2.64	2.741	-0.101	-3.84%	-0.326
2012	10	5.936	5.716	0.22	3.71%	0.708
2012	11	11.062	10.524	0.537	4.86%	1.73
2012	12	13.242	13.223	0.019	0.14%	0.061
2013	1	17.336	16.646	0.689	3.98%	2.219
2013	2	16.069	15.667	0.402	2.50%	1.293
2013	3	13.962	13.946	0.016	0.11%	0.051
2013	4	9.15	8.647	0.504	5.51%	1.622
2013	5	3.645	3.305	0.34	9.33%	1.095
2013	6	1.906	2.037	-0.131	-6.89%	-0.423

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2013	7	2.032	1.746	0.285	14.05%	0.919
2013	8	1.737	1.719	0.018	1.01%	0.056
2013	9	2.551	2.522	0.028	1.12%	0.092
2013	10	5.593	5.358	0.235	4.20%	0.756
2013	11	11.756	11.532	0.224	1.91%	0.722
2013	12	17.574	17.212	0.362	2.06%	1.166
2014	1	22.423	21.447	0.976	4.35%	3.143
2014	2	18.764	18.826	-0.063	-0.33%	-0.202
2014	3	15.858	16.506	-0.647	-4.08%	-2.084
2014	4	7.904	7.857	0.047	0.59%	0.15
2014	5	3.818	3.824	-0.006	-0.17%	-0.021
2014	6	2.048	1.803	0.245	11.97%	0.789
2014	7	1.989	1.846	0.143	7.19%	0.46
2014	8	1.661	1.677	-0.016	-0.94%	-0.051
2014	9	2.668	2.64	0.028	1.06%	0.091
2014	10	5.918	5.79	0.128	2.17%	0.413
2014	11	12.309	12.557	-0.249	-2.02%	-0.8
2014	12	14.204	14.362	-0.159	-1.12%	-0.51
2015	1	19.752	19.659	0.093	0.47%	0.3
2015	2	20.563	20.386	0.177	0.86%	0.57
2015	3	13.522	14.061	-0.539	-3.98%	-1.734
2015	4	7.155	7.264	-0.109	-1.52%	-0.35
2015	5	2.984	2.983	0.001	0.04%	0.004
2015	6	1.987	1.955	0.031	1.58%	0.101
2015	7	1.833	1.725	0.109	5.93%	0.35
2015	8	1.719	1.677	0.042	2.46%	0.136
2015	9	1.873	1.538	0.336	17.91%	1.08
2015	10	4.829	4.944	-0.115	-2.37%	-0.369
2015	11	8.528	8.321	0.208	2.44%	0.669
2015	12	10.603	11.038	-0.436	-4.11%	-1.402
2016	1	17.067	16.964	0.104	0.61%	0.334
2016	2	14.987	14.602	0.385	2.57%	1.241
2016	3	10.334	10.455	-0.121	-1.17%	-0.39
2016	4	8.228	8.334	-0.106	-1.29%	-0.342
2016	5	3.736	3.833	-0.097	-2.60%	-0.313
2016	6	1.774	1.842	-0.068	-3.81%	-0.218
2016	7	1.631	1.617	0.014	0.87%	0.046
2016	8	1.567	1.487	0.08	5.10%	0.258
2016	9	1.795	1.437	0.358	19.93%	1.151
2016	10	4.512	4.364	0.148	3.29%	0.478
2016	11	8.047	7.931	0.116	1.44%	0.372
2016	12	15.407	15.728	-0.32	-2.08%	-1.032

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	1	15.949	15.725	0.224	1.41%	0.722
2017	2	11.935	11.887	0.048	0.40%	0.154
2017	3	12.575	12.72	-0.145	-1.16%	-0.468
2017	4	6.235	5.651	0.584	9.37%	1.881
2017	5	4.291	4.25	0.041	0.96%	0.133
2017	6	1.634	1.8	-0.166	-10.17%	-0.535
2017	7	1.558	1.579	-0.021	-1.34%	-0.067
2017	8	1.593	1.685	-0.093	-5.82%	-0.298
2017	9	2.066	1.996	0.07	3.38%	0.225
2017	10	3.864	3.956	-0.092	-2.38%	-0.295
2017	11	10.624	10.713	-0.089	-0.84%	-0.287
2017	12	17.165	17.04	0.125	0.73%	0.403
2018	1	17.917	18.204	-0.287	-1.60%	-0.924
2018	2	14.279	14.315	-0.036	-0.26%	-0.117
2018	3	13.887	13.321	0.567	4.08%	1.824
2018	4	10.097	10.286	-0.189	-1.87%	-0.609
2018	5	3.055	2.48	0.575	18.82%	1.851
2018	6	1.968	1.7	0.268	13.62%	0.863
2018	7	1.411	1.576	-0.164	-11.64%	-0.529
2018	8	1.572	1.499	0.074	4.68%	0.237
2018	9	1.784	1.997	-0.213	-11.92%	-0.685
2018	10	5.979	6.084	-0.105	-1.76%	-0.339
2018	11	12.259	12.249	0.01	0.08%	0.031
2018	12	14.137	13.981	0.155	1.10%	0.5
2019	1	19.222	19.078	0.144	0.75%	0.464
2019	2	15.693	15.576	0.117	0.74%	0.375
2019	3	14.296	14.017	0.279	1.95%	0.897
2019	4	7.311	7.557	-0.246	-3.37%	-0.792
2019	5	4.189	4.335	-0.146	-3.50%	-0.472
2019	6	2.041	2.221	-0.179	-8.79%	-0.577
2019	7	1.744	1.596	0.149	8.52%	0.478
2019	8	1.454	1.603	-0.149	-10.26%	-0.48
2019	9	1.558	1.418	0.14	9.00%	0.452
2019	10	5.375	5.583	-0.208	-3.87%	-0.67
2019	11	12.173	12.473	-0.3	-2.47%	-0.966
2019	12	13.662	13.862	-0.2	-1.46%	-0.642
2020	1	14.832	15.204	-0.372	-2.51%	-1.196
2020	2	15.274	14.981	0.293	1.92%	0.943
2020	3	10.989	11.158	-0.169	-1.54%	-0.544
2020	4	7.931	8.578	-0.646	-8.15%	-2.081
2020	5	4.864	4.887	-0.023	-0.48%	-0.075
2020	6	1.888	1.911	-0.024	-1.26%	-0.077

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2020	7	1.115	1.569	-0.454	-40.74%	-1.462
2020	8	1.398	1.514	-0.116	-8.33%	-0.375
2020	9	2.389	2.517	-0.129	-5.39%	-0.415
2020	10	6.617	6.57	0.047	0.71%	0.152
2020	11	8.372	8.515	-0.143	-1.70%	-0.459
2020	12	13.693	14.13	-0.437	-3.20%	-1.408
2021	1	15.896	16.324	-0.429	-2.70%	-1.381
2021	2	16.779	16.934	-0.155	-0.93%	-0.5
2021	3	10.299	10.45	-0.151	-1.47%	-0.486
2021	4	6.719	6.753	-0.035	-0.52%	-0.112
2021	5	3.898	4.51	-0.612	-15.71%	-1.972
2021	6	1.723	1.728	-0.004	-0.26%	-0.014
2021	7	1.422	1.618	-0.197	-13.84%	-0.633
2021	8	1.449	1.469	-0.02	-1.38%	-0.064
2021	9	1.734	1.661	0.074	4.25%	0.237
2021	10	3.705	3.296	0.409	11.05%	1.318
2021	11	10.992	10.756	0.236	2.15%	0.761
2021	12	12.727	13.01	-0.283	-2.22%	-0.911
2022	1	19.871	19.898	-0.027	-0.13%	-0.086
2022	2	15.508	16.007	-0.499	-3.22%	-1.606
2022	3	12.159	12.171	-0.012	-0.10%	-0.038
2022	4	8.373	8.515	-0.142	-1.70%	-0.457
2022	5	3.246	3.112	0.134	4.11%	0.43
2022	6	1.752	1.852	-0.1	-5.73%	-0.323
2022	7	1.398	1.594	-0.196	-14.02%	-0.631
2022	8	1.519	1.52	-0.001	-0.05%	-0.002
2022	9	1.989	2.19	-0.201	-10.12%	-0.648
2022	10	5.471	5.422	0.05	0.91%	0.16
2022	11	9.38	9.493	-0.113	-1.20%	-0.363
2022	12	15.016	14.47	0.546	3.63%	1.757
2023	1	14.227	14.831	-0.605	-4.25%	-1.947
2023	2	12.882	13.13	-0.248	-1.93%	-0.8
2023	3	12.266	12.377	-0.112	-0.91%	-0.359
2023	4	6.887	6.897	-0.01	-0.14%	-0.032
2023	5	3.689	3.728	-0.039	-1.05%	-0.125
2023	6	1.832	1.874	-0.043	-2.34%	-0.138
2023	7	1.497	1.588	-0.091	-6.08%	-0.293
2023	8	1.604	1.674	-0.07	-4.34%	-0.224
2023	9	1.726	1.618	0.109	6.31%	0.351
2023	10	5.174	5.057	0.116	2.25%	0.375
2023	11	10.028	10.335	-0.307	-3.06%	-0.989
2023	12	10.721	11.476	-0.755	-7.05%	-2.432

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2024	1	16.504	16.625	-0.121	-0.73%	-0.389
2024	2	11.719	12.154	-0.434	-3.71%	-1.399
2024	3	10.3	10.348	-0.048	-0.47%	-0.156
2024	4	6.006	5.884	0.122	2.03%	0.393
2024	5	2.375	2.265	0.11	4.63%	0.354
2024	6	1.624	1.682	-0.058	-3.59%	-0.188
2024	7	1.415	1.607	-0.191	-13.50%	-0.615
2024	8	1.467	1.592	-0.125	-8.51%	-0.402
2024	9	1.627	1.374	0.253	15.57%	0.816
2024	10	3.917	4.18	-0.262	-6.70%	-0.845
2024	11	8.147	8.537	-0.39	-4.78%	-1.254
2024	12	14.191	14.34	-0.149	-1.05%	-0.481
2025	1	18.552	18.826	-0.274	-1.48%	-0.882
2025	2	15.706	15.971	-0.266	-1.69%	-0.855
2025	3	10.523	10.54	-0.017	-0.16%	-0.055
2025	4	6.38	7.05	-0.67	-10.50%	-2.157
2025	5	3.585	4.321	-0.736	-20.54%	-2.37
2025	6	1.411	1.831	-0.419	-29.71%	-1.35
2025	7	1.335	1.579	-0.243	-18.22%	-0.783
2025	8	1.344	1.574	-0.23	-17.09%	-0.739
2025	9	1.5	2.05	-0.549	-36.61%	-1.768
2025	10	4.234	5.045	-0.811	-19.15%	-2.611
2025	11		10.107			
2025	12		14.255			
2026	1		17.614			
2026	2		15.3			
2026	3		12.19			
2026	4		7.52			
2026	5		3.544			
2026	6		1.855			
2026	7		1.625			
2026	8		1.587			
2026	9		2.061			
2026	10		5.072			
2026	11		10.146			
2026	12		14.257			
2027	1		17.614			
2027	2		15.3			
2027	3		12.19			
2027	4		7.52			
2027	5		3.544			
2027	6		1.855			

Rate A Residential Heat UPC Forecast (Cal)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2027	7		1.625			
2027	8		1.587			
2027	9		2.061			
2027	10		5.072			
2027	11		10.146			
2027	12		14.257			
2028	1		17.614			
2028	2		15.3			
2028	3		12.19			
2028	4		7.52			
2028	5		3.544			
2028	6		1.855			
2028	7		1.625			
2028	8		1.587			
2028	9		2.061			
2028	10		5.072			
2028	11		10.146			
2028	12		14.257			
2029	1		17.614			
2029	2		15.3			
2029	3		12.19			
2029	4		7.52			
2029	5		3.544			
2029	6		1.855			
2029	7		1.625			
2029	8		1.587			
2029	9		2.061			
2029	10		5.072			
2029	11		10.146			
2029	12		14.257			
2030	1		17.614			

Rate A Residential UPC Data (Cal)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Xmissing	Ymissing
2010	1	8.62	1,247.49	1	0	0	0	0	0	0	0	0	0	0	0	0
2010	2	7.38	1,067.12	0	1	0	0	0	0	0	0	0	0	0	0	0
2010	3	5.62	739.87	0	0	1	0	0	0	0	0	0	0	0	0	0
2010	4	3.19	372.21	0	0	0	1	0	0	0	0	0	0	0	0	0
2010	5	2.32	194.54	0	0	0	0	1	0	0	0	0	0	0	0	0
2010	6	1.59	32.86	0	0	0	0	0	1	0	0	0	0	0	0	0
2010	7	1.51	2.02	0	0	0	0	0	0	1	0	0	0	0	0	0
2010	8	1.29	3.99	0	0	0	0	0	0	0	1	0	0	0	0	0
2010	9	1.9	128.42	0	0	0	0	0	0	0	0	1	0	0	0	0
2010	10	3.16	354.33	0	0	0	0	0	0	0	0	0	1	0	0	0
2010	11	4.93	705.51	0	0	0	0	0	0	0	0	0	0	1	0	0
2010	12	9.27	1,207.25	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	1	9.53	1,368.46	1	0	0	0	0	0	0	0	0	0	0	0	0
2011	2	7.92	1,127.13	0	1	0	0	0	0	0	0	0	0	0	0	0
2011	3	7.21	978.03	0	0	1	0	0	0	0	0	0	0	0	0	0
2011	4	4.44	569.64	0	0	0	1	0	0	0	0	0	0	0	0	0
2011	5	2.76	225.49	0	0	0	0	1	0	0	0	0	0	0	0	0
2011	6	1.65	34.71	0	0	0	0	0	1	0	0	0	0	0	0	0
2011	7	1.5	0.77	0	0	0	0	0	0	1	0	0	0	0	0	0
2011	8	1.3	2.13	0	0	0	0	0	0	0	1	0	0	0	0	0
2011	9	1.9	143.02	0	0	0	0	0	0	0	0	1	0	0	0	0
2011	10	3.26	372.43	0	0	0	0	0	0	0	0	0	1	0	0	0
2011	11	4.82	605.68	0	0	0	0	0	0	0	0	0	0	1	0	0
2011	12	7.43	942.62	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	1	8.12	1,096.07	1	0	0	0	0	0	0	0	0	0	0	0	0
2012	2	7.39	959.54	0	1	0	0	0	0	0	0	0	0	0	0	0
2012	3	4.61	501.54	0	0	1	0	0	0	0	0	0	0	0	0	0
2012	4	4.25	512.59	0	0	0	1	0	0	0	0	0	0	0	0	0
2012	5	1.72	126.76	0	0	0	0	1	0	0	0	0	0	0	0	0
2012	6	1.49	34.59	0	0	0	0	0	1	0	0	0	0	0	0	0
2012	7	1.31	0.91	0	0	0	0	0	0	1	0	0	0	0	0	0
2012	8	1.3	8.97	0	0	0	0	0	0	0	1	0	0	0	0	0
2012	9	1.87	141.91	0	0	0	0	0	0	0	0	1	0	0	0	0
2012	10	3.66	425.55	0	0	0	0	0	0	0	0	0	1	0	0	0
2012	11	6.03	752.47	0	0	0	0	0	0	0	0	0	0	1	0	0
2012	12	7.09	931.74	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	1	9.18	1,152.52	1	0	0	0	0	0	0	0	0	0	0	0	0
2013	2	8.6	1,103.71	0	1	0	0	0	0	0	0	0	0	0	0	0
2013	3	7.28	1,001.84	0	0	1	0	0	0	0	0	0	0	0	0	0
2013	4	5.09	610.77	0	0	0	1	0	0	0	0	0	0	0	0	0
2013	5	2.37	181.18	0	0	0	0	1	0	0	0	0	0	0	0	0
2013	6	1.58	47.37	0	0	0	0	0	1	0	0	0	0	0	0	0
2013	7	1.61	13.99	0	0	0	0	0	0	1	0	0	0	0	0	0
2013	8	1.43	17.52	0	0	0	0	0	0	0	1	0	0	0	0	0
2013	9	1.88	125.28	0	0	0	0	0	0	0	0	1	0	0	0	0
2013	10	3.45	398.87	0	0	0	0	0	0	0	0	0	1	0	0	0
2013	11	6.36	829.76	0	0	0	0	0	0	0	0	0	0	1	0	0
2013	12	9.41	1,230.34	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	1	11.97	1,499.52	1	0	0	0	0	0	0	0	0	0	0	0	0
2014	2	10.06	1,324.11	0	1	0	0	0	0	0	0	0	0	0	0	0
2014	3	8.55	1,185.48	0	0	1	0	0	0	0	0	0	0	0	0	0
2014	4	4.69	544.45	0	0	0	1	0	0	0	0	0	0	0	0	0
2014	5	2.54	224.8	0	0	0	0	1	0	0	0	0	0	0	0	0
2014	6	1.62	29.11	0	0	0	0	0	1	0	0	0	0	0	0	0
2014	7	1.58	21.02	0	0	0	0	0	0	1	0	0	0	0	0	0
2014	8	1.35	14.49	0	0	0	0	0	0	0	1	0	0	0	0	0
2014	9	1.94	134.44	0	0	0	0	0	0	0	0	1	0	0	0	0
2014	10	3.63	431.05	0	0	0	0	0	0	0	0	0	1	0	0	0
2014	11	6.83	905.98	0	0	0	0	0	0	0	0	0	0	1	0	0
2014	12	7.87	1,013.30	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	1	10.64	1,376.57	1	0	0	0	0	0	0	0	0	0	0	0	0
2015	2	11.12	1,451.32	0	1	0	0	0	0	0	0	0	0	0	0	0
2015	3	7.75	994.52	0	0	1	0	0	0	0	0	0	0	0	0	0
2015	4	4.29	507.94	0	0	0	1	0	0	0	0	0	0	0	0	0
2015	5	2.09	163.96	0	0	0	0	1	0	0	0	0	0	0	0	0
2015	6	1.56	43.55	0	0	0	0	0	1	0	0	0	0	0	0	0
2015	7	1.54	12.09	0	0	0	0	0	0	1	0	0	0	0	0	0
2015	8	1.39	15.04	0	0	0	0	0	0	0	1	0	0	0	0	0
2015	9	1.46	51.03	0	0	0	0	0	0	0	0	1	0	0	0	0
2015	10	3.09	370	0	0	0	0	0	0	0	0	0	1	0	0	0
2015	11	5.03	590.04	0	0	0	0	0	0	0	0	0	0	1	0	0

Rate A Residential UPC Data (Cal)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Xmissing	Ymissing
2015	12	5.94	775.8	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	1	9.4	1,185.84	1	0	0	0	0	0	0	0	0	0	0	0	0
2016	2	8.42	1,024.24	0	1	0	0	0	0	0	0	0	0	0	0	0
2016	3	6.06	742.13	0	0	1	0	0	0	0	0	0	0	0	0	0
2016	4	4.79	600.07	0	0	0	1	0	0	0	0	0	0	0	0	0
2016	5	2.6	224.36	0	0	0	0	1	0	0	0	0	0	0	0	0
2016	6	1.39	32.31	0	0	0	0	0	1	0	0	0	0	0	0	0
2016	7	1.27	4.73	0	0	0	0	0	0	1	0	0	0	0	0	0
2016	8	1.27	1.45	0	0	0	0	0	0	0	1	0	0	0	0	0
2016	9	1.4	43.96	0	0	0	0	0	0	0	0	1	0	0	0	0
2016	10	2.84	326.5	0	0	0	0	0	0	0	0	0	1	0	0	0
2016	11	4.76	561.78	0	0	0	0	0	0	0	0	0	0	1	0	0
2016	12	8.69	1,131.51	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	1	9.41	1,075.28	1	0	0	0	0	0	0	0	0	0	0	0	0
2017	2	6.8	823.28	0	1	0	0	0	0	0	0	0	0	0	0	0
2017	3	7.1	923.94	0	0	1	0	0	0	0	0	0	0	0	0	0
2017	4	3.57	389.57	0	0	0	1	0	0	0	0	0	0	0	0	0
2017	5	3.19	262.84	0	0	0	0	1	0	0	0	0	0	0	0	0
2017	6	1.45	27.18	0	0	0	0	0	1	0	0	0	0	0	0	0
2017	7	1.36	2.36	0	0	0	0	0	0	1	0	0	0	0	0	0
2017	8	1.36	16.64	0	0	0	0	0	0	0	1	0	0	0	0	0
2017	9	1.64	86.1	0	0	0	0	0	0	0	0	1	0	0	0	0
2017	10	2.44	294.73	0	0	0	0	0	0	0	0	0	1	0	0	0
2017	11	6.38	774.05	0	0	0	0	0	0	0	0	0	0	1	0	0
2017	12	9.92	1,221.43	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	1	10.77	1,256.17	1	0	0	0	0	0	0	0	0	0	0	0	0
2018	2	8.62	999.57	0	1	0	0	0	0	0	0	0	0	0	0	0
2018	3	8.19	960.97	0	0	1	0	0	0	0	0	0	0	0	0	0
2018	4	6.15	734.82	0	0	0	1	0	0	0	0	0	0	0	0	0
2018	5	2.38	115.56	0	0	0	0	1	0	0	0	0	0	0	0	0
2018	6	1.6	23.99	0	0	0	0	0	1	0	0	0	0	0	0	0
2018	7	1.38	0.9	0	0	0	0	0	0	1	0	0	0	0	0	0
2018	8	1.2	3.08	0	0	0	0	0	0	0	1	0	0	0	0	0
2018	9	1.44	86.19	0	0	0	0	0	0	0	0	1	0	0	0	0
2018	10	3.06	456.4	0	0	0	0	0	0	0	0	0	1	0	0	0
2018	11	7.42	882.53	0	0	0	0	0	0	0	0	0	0	1	0	0
2018	12	8.59	984.7	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	1	10.7	1,332.94	1	0	0	0	0	0	0	0	0	0	0	0	0
2019	2	9.3	1,090.13	0	1	0	0	0	0	0	0	0	0	0	0	0
2019	3	8.55	1,008.55	0	0	1	0	0	0	0	0	0	0	0	0	0
2019	4	4.45	527.31	0	0	0	1	0	0	0	0	0	0	0	0	0
2019	5	2.96	265.49	0	0	0	0	1	0	0	0	0	0	0	0	0
2019	6	1.59	59.31	0	0	0	0	0	1	0	0	0	0	0	0	0
2019	7	1.23	2.14	0	0	0	0	0	0	1	0	0	0	0	0	0
2019	8	1.35	9.81	0	0	0	0	0	0	0	1	0	0	0	0	0
2019	9	1.48	42.92	0	0	0	0	0	0	0	0	1	0	0	0	0
2019	10	3.44	419.37	0	0	0	0	0	0	0	0	0	1	0	0	0
2019	11	7.35	901.59	0	0	0	0	0	0	0	0	0	0	1	0	0
2019	12	8.53	976	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	1	9.07	1,042.14	1	0	0	0	0	0	0	0	0	0	0	0	0
2020	2	9.16	1,060.75	0	1	0	0	0	0	0	0	0	0	0	0	0
2020	3	7.07	794.17	0	0	1	0	0	0	0	0	0	0	0	0	0
2020	4	4.84	616.13	0	0	0	1	0	0	0	0	0	0	0	0	0
2020	5	3.26	304.97	0	0	0	0	1	0	0	0	0	0	0	0	0
2020	6	1.17	33.55	0	0	0	0	0	1	0	0	0	0	0	0	0
2020	7	1.33	0.7	0	0	0	0	0	0	1	0	0	0	0	0	0
2020	8	1.24	5.29	0	0	0	0	0	0	0	1	0	0	0	0	0
2020	9	1.8	126.12	0	0	0	0	0	0	0	0	1	0	0	0	0
2020	10	4.26	490.9	0	0	0	0	0	0	0	0	0	1	0	0	0
2020	11	5.5	598.34	0	0	0	0	0	0	0	0	0	0	1	0	0
2020	12	8.38	1,009.73	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	1	9.76	1,126.63	1	0	0	0	0	0	0	0	0	0	0	0	0
2021	2	10.36	1,204.44	0	1	0	0	0	0	0	0	0	0	0	0	0
2021	3	6.61	735.4	0	0	1	0	0	0	0	0	0	0	0	0	0
2021	4	4.52	480.87	0	0	0	1	0	0	0	0	0	0	0	0	0
2021	5	2.8	280.79	0	0	0	0	1	0	0	0	0	0	0	0	0
2021	6	1.37	23.11	0	0	0	0	0	1	0	0	0	0	0	0	0
2021	7	1.3	5	0	0	0	0	0	0	1	0	0	0	0	0	0
2021	8	1.14	0.82	0	0	0	0	0	0	0	1	0	0	0	0	0
2021	9	1.55	61.27	0	0	0	0	0	0	0	0	1	0	0	0	0
2021	10	2.5	246.09	0	0	0	0	0	0	0	0	0	1	0	0	0

Rate A Residential UPC Data (Cal)

Year	Month	GCR_GCC	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Xmissing	Ymissing
2021	11	6.72	777.86	0	0	0	0	0	0	0	0	0	0	1	0	0
2021	12	8.18	915.91	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	1	12.2	1,399.83	1	0	0	0	0	0	0	0	0	0	0	0	0
2022	2	9.85	1,120.31	0	1	0	0	0	0	0	0	0	0	0	0	0
2022	3	7.63	869.84	0	0	1	0	0	0	0	0	0	0	0	0	0
2022	4	5.71	607.25	0	0	0	1	0	0	0	0	0	0	0	0	0
2022	5	2.23	169.38	0	0	0	0	1	0	0	0	0	0	0	0	0
2022	6	1.28	34.85	0	0	0	0	0	1	0	0	0	0	0	0	0
2022	7	1.22	3.02	0	0	0	0	0	0	1	0	0	0	0	0	0
2022	8	1.29	4.74	0	0	0	0	0	0	0	1	0	0	0	0	0
2022	9	1.51	100.97	0	0	0	0	0	0	0	0	1	0	0	0	0
2022	10	3.64	405.68	0	0	0	0	0	0	0	0	0	1	0	0	0
2022	11	5.91	676.27	0	0	0	0	0	0	0	0	0	0	1	0	0
2022	12	9.55	1,031.81	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	1	9.11	1,009.23	1	0	0	0	0	0	0	0	0	0	0	0	0
2023	2	7.89	923.23	0	1	0	0	0	0	0	0	0	0	0	0	0
2023	3	7.76	894.71	0	0	1	0	0	0	0	0	0	0	0	0	0
2023	4	4.62	484.73	0	0	0	1	0	0	0	0	0	0	0	0	0
2023	5	2.62	221.17	0	0	0	0	1	0	0	0	0	0	0	0	0
2023	6	1.59	34.94	0	0	0	0	0	1	0	0	0	0	0	0	0
2023	7	1.3	2.29	0	0	0	0	0	0	1	0	0	0	0	0	0
2023	8	1.35	16	0	0	0	0	0	0	0	1	0	0	0	0	0
2023	9	1.39	57.46	0	0	0	0	0	0	0	0	1	0	0	0	0
2023	10	3.46	379.08	0	0	0	0	0	0	0	0	0	1	0	0	0
2023	11	6.44	740.89	0	0	0	0	0	0	0	0	0	0	1	0	0
2023	12	7.12	803.54	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	1	10.27	1,159.85	1	0	0	0	0	0	0	0	0	0	0	0	0
2024	2	7.56	841.42	0	1	0	0	0	0	0	0	0	0	0	0	0
2024	3	6.87	745.67	0	0	1	0	0	0	0	0	0	0	0	0	0
2024	4	4.05	415.25	0	0	0	1	0	0	0	0	0	0	0	0	0
2024	5	1.72	113.85	0	0	0	0	1	0	0	0	0	0	0	0	0
2024	6	1.22	25.08	0	0	0	0	0	1	0	0	0	0	0	0	0
2024	7	1.18	4.45	0	0	0	0	0	0	1	0	0	0	0	0	0
2024	8	1.23	10.13	0	0	0	0	0	0	0	1	0	0	0	0	0
2024	9	1.42	39.55	0	0	0	0	0	0	0	0	1	0	0	0	0
2024	10	2.9	313.21	0	0	0	0	0	0	0	0	0	1	0	0	0
2024	11	5.33	609.59	0	0	0	0	0	0	0	0	0	0	1	0	0
2024	12	9.18	1,026.42	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	1	12	1,313.72	1	0	0	0	0	0	0	0	0	0	0	0	0
2025	2	10.27	1,122.34	0	1	0	0	0	0	0	0	0	0	0	0	0
2025	3	7.18	746.02	0	0	1	0	0	0	0	0	0	0	0	0	0
2025	4	4.41	502.42	0	0	0	1	0	0	0	0	0	0	0	0	0
2025	5	2.58	267.73	0	0	0	0	1	0	0	0	0	0	0	0	0
2025	6	1.33	31.99	0	0	0	0	0	1	0	0	0	0	0	0	0
2025	7	1.12	3.1	0	0	0	0	0	0	1	0	0	0	0	0	0
2025	8	1.2	9	0	0	0	0	0	0	0	1	0	0	0	0	0
2025	9	1.18	91	0	0	0	0	0	0	0	0	1	0	0	0	0
2025	10	2.94	379	0	0	0	0	0	0	0	0	0	1	0	0	0
2025	11		727	0	0	0	0	0	0	0	0	0	0	1	0	1
2025	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	1
2026	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	1
2026	3		872	0	0	1	0	0	0	0	0	0	0	0	0	1
2026	4		532	0	0	0	1	0	0	0	0	0	0	0	0	1
2026	5		205	0	0	0	0	1	0	0	0	0	0	0	0	1
2026	6		34	0	0	0	0	0	1	0	0	0	0	0	0	1
2026	7		5	0	0	0	0	0	0	1	0	0	0	0	0	1
2026	8		9	0	0	0	0	0	0	0	1	0	0	0	0	1
2026	9		91	0	0	0	0	0	0	0	0	1	0	0	0	1
2026	10		379	0	0	0	0	0	0	0	0	0	1	0	0	1
2026	11		727	0	0	0	0	0	0	0	0	0	0	1	0	1
2026	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	1
2027	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	1
2027	3		872	0	0	1	0	0	0	0	0	0	0	0	0	1
2027	4		532	0	0	0	1	0	0	0	0	0	0	0	0	1
2027	5		205	0	0	0	0	1	0	0	0	0	0	0	0	1
2027	6		34	0	0	0	0	0	1	0	0	0	0	0	0	1
2027	7		5	0	0	0	0	0	0	1	0	0	0	0	0	1
2027	8		9	0	0	0	0	0	0	0	1	0	0	0	0	1
2027	9		91	0	0	0	0	0	0	0	0	1	0	0	0	1

Rate A Residential UPC Data (Cal)

Year	Month	GCR_GCC_HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Xmissing	Ymissing
2027	10	379	0	0	0	0	0	0	0	0	0	1	0	0	1
2027	11	727	0	0	0	0	0	0	0	0	0	0	1	0	1
2027	12	1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	1
2028	1	1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	1
2028	2	1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	1
2028	3	872	0	0	1	0	0	0	0	0	0	0	0	0	1
2028	4	532	0	0	0	1	0	0	0	0	0	0	0	0	1
2028	5	205	0	0	0	0	1	0	0	0	0	0	0	0	1
2028	6	34	0	0	0	0	0	1	0	0	0	0	0	0	1
2028	7	5	0	0	0	0	0	0	1	0	0	0	0	0	1
2028	8	9	0	0	0	0	0	0	0	1	0	0	0	0	1
2028	9	91	0	0	0	0	0	0	0	0	1	0	0	0	1
2028	10	379	0	0	0	0	0	0	0	0	0	1	0	0	1
2028	11	727	0	0	0	0	0	0	0	0	0	0	1	0	1
2028	12	1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	1
2029	1	1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	1
2029	2	1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	1
2029	3	872	0	0	1	0	0	0	0	0	0	0	0	0	1
2029	4	532	0	0	0	1	0	0	0	0	0	0	0	0	1
2029	5	205	0	0	0	0	1	0	0	0	0	0	0	0	1
2029	6	34	0	0	0	0	0	1	0	0	0	0	0	0	1
2029	7	5	0	0	0	0	0	0	1	0	0	0	0	0	1
2029	8	9	0	0	0	0	0	0	0	1	0	0	0	0	1
2029	9	91	0	0	0	0	0	0	0	0	1	0	0	0	1
2029	10	379	0	0	0	0	0	0	0	0	0	1	0	0	1
2029	11	727	0	0	0	0	0	0	0	0	0	0	1	0	1
2029	12	1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	1
2030	1	1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	1

Rate A Residential UPC Coefficients (Cal)

Variable	Coefficien	StdErr	T-Stat	P-Value	
CONST	1.481	0.257	5.773	0.00%	Constant term
Weather.H	0.007	0	29.172	0.00%	
Binary.Jan	0.36	0.101	3.575	0.05%	
Binary.Feb	0.087	0.111	0.782	43.52%	
Binary.Mar	-0.157	0.128	-1.23	22.04%	
Binary.Apr	-0.474	0.172	-2.759	0.64%	
Binary.May	-0.371	0.229	-1.615	10.80%	
Binary.June	-0.236	0.264	-0.895	37.18%	
Binary.July	-0.149	0.269	-0.552	58.17%	
Binary.Aug	-0.242	0.267	-0.907	36.56%	
Binary.Sep	-0.486	0.247	-1.97	5.04%	
Binary.Oct	-0.81	0.184	-4.388	0.00%	
Binary.Nov	-0.425	0.11	-3.869	0.02%	
AR(1)	0.633	0.055	11.593	0.00%	

Rate A Residential UPC Model Statistics (Calendar)

Model Statistics	
Iterations	7
Adjusted Observations	189
Deg. of Freedom for Error	175
R-Squared	0.991
Adjusted R-Squared	0.991
AIC	-2.279
BIC	-2.039
F-Statistic	1544.079
Prob (F-Statistic)	0
Log-Likelihood	-38.85
Model Sum of Squares	1,914.67
Sum of Squared Errors	16.69
Mean Squared Error	0.1
Std. Error of Regression	0.31
Mean Abs. Dev. (MAD)	0.21
Mean Abs. % Err. (MAPE)	5.58%
Durbin-Watson Statistic	2.087
Durbin-H Statistic	#NA
Ljung-Box Statistic	72.04
Prob (Ljung-Box)	0
Skewness	-0.556
Kurtosis	5.727
Jarque-Bera	68.295
Prob (Jarque-Bera)	0

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2010	1	8.621				
2010	2	7.383	7.736	-0.353	-4.79%	-1.144
2010	3	5.624	5.44	0.184	3.27%	0.596
2010	4	3.191	3.079	0.112	3.52%	0.363
2010	5	2.317	2.214	0.103	4.43%	0.332
2010	6	1.586	1.398	0.188	11.88%	0.61
2010	7	1.511	1.421	0.09	5.95%	0.291
2010	8	1.289	1.371	-0.082	-6.36%	-0.265
2010	9	1.9	1.878	0.022	1.17%	0.072
2010	10	3.159	3.092	0.067	2.13%	0.218
2010	11	4.928	5.886	-0.958	-19.43%	-3.101
2010	12	9.269	9.077	0.191	2.06%	0.619
2011	1	9.525	10.858	-1.333	-13.99%	-4.316
2011	2	7.925	8.196	-0.272	-3.43%	-0.88
2011	3	7.207	7.137	0.07	0.97%	0.226
2011	4	4.438	4.396	0.041	0.93%	0.134
2011	5	2.755	2.368	0.388	14.06%	1.255
2011	6	1.646	1.555	0.091	5.53%	0.295
2011	7	1.503	1.443	0.06	3.98%	0.194
2011	8	1.305	1.358	-0.053	-4.08%	-0.172
2011	9	1.9	1.995	-0.095	-4.99%	-0.307
2011	10	3.26	3.151	0.108	3.33%	0.351
2011	11	4.823	5.197	-0.374	-7.75%	-1.21
2011	12	7.433	7.649	-0.215	-2.90%	-0.697
2012	1	8.121	8.987	-0.866	-10.66%	-2.804
2012	2	7.395	7.34	0.054	0.74%	0.176
2012	3	4.611	4.296	0.315	6.84%	1.021
2012	4	4.245	4.408	-0.163	-3.83%	-0.527
2012	5	1.716	1.822	-0.106	-6.20%	-0.344
2012	6	1.494	1.319	0.175	11.72%	0.567
2012	7	1.313	1.348	-0.036	-2.72%	-0.116
2012	8	1.304	1.283	0.021	1.59%	0.067
2012	9	1.869	1.957	-0.089	-4.75%	-0.287
2012	10	3.662	3.496	0.166	4.54%	0.539
2012	11	6.033	6.217	-0.183	-3.04%	-0.594
2012	12	7.09	7.713	-0.623	-8.78%	-2.016
2013	1	9.18	9.198	-0.018	-0.20%	-0.059
2013	2	8.604	8.744	-0.14	-1.63%	-0.455
2013	3	7.28	7.829	-0.548	-7.53%	-1.775
2013	4	5.091	4.619	0.472	9.27%	1.527
2013	5	2.37	2.305	0.064	2.72%	0.208
2013	6	1.577	1.586	-0.01	-0.62%	-0.032

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2013	7	1.612	1.434	0.177	11.01%	0.575
2013	8	1.427	1.475	-0.048	-3.33%	-0.154
2013	9	1.876	1.886	-0.01	-0.52%	-0.032
2013	10	3.445	3.391	0.054	1.56%	0.174
2013	11	6.364	6.716	-0.352	-5.53%	-1.14
2013	12	9.411	9.611	-0.2	-2.13%	-0.649
2014	1	11.97	11.736	0.234	1.96%	0.759
2014	2	10.06	10.516	-0.456	-4.53%	-1.475
2014	3	8.554	9.049	-0.495	-5.79%	-1.604
2014	4	4.691	4.19	0.501	10.68%	1.622
2014	5	2.535	2.631	-0.096	-3.80%	-0.312
2014	6	1.622	1.381	0.241	14.85%	0.78
2014	7	1.575	1.589	-0.014	-0.86%	-0.044
2014	8	1.349	1.401	-0.051	-3.81%	-0.167
2014	9	1.939	1.912	0.027	1.40%	0.088
2014	10	3.628	3.609	0.018	0.50%	0.059
2014	11	6.831	7.21	-0.379	-5.55%	-1.227
2014	12	7.874	8.112	-0.238	-3.03%	-0.771
2015	1	10.639	10.86	-0.222	-2.08%	-0.717
2015	2	11.121	11.06	0.061	0.55%	0.198
2015	3	7.755	7.884	-0.129	-1.67%	-0.419
2015	4	4.289	4.255	0.033	0.78%	0.108
2015	5	2.09	2.121	-0.031	-1.49%	-0.101
2015	6	1.563	1.457	0.105	6.74%	0.341
2015	7	1.537	1.429	0.108	7.03%	0.35
2015	8	1.388	1.419	-0.03	-2.19%	-0.099
2015	9	1.464	1.37	0.094	6.42%	0.305
2015	10	3.094	3.253	-0.159	-5.15%	-0.516
2015	11	5.033	4.996	0.037	0.74%	0.12
2015	12	5.939	6.72	-0.781	-13.15%	-2.528
2016	1	9.401	9.363	0.038	0.41%	0.123
2016	2	8.42	8.204	0.216	2.56%	0.699
2016	3	6.063	6.296	-0.233	-3.83%	-0.753
2016	4	4.789	4.889	-0.099	-2.08%	-0.322
2016	5	2.6	2.452	0.148	5.68%	0.478
2016	6	1.385	1.445	-0.06	-4.35%	-0.195
2016	7	1.275	1.315	-0.04	-3.14%	-0.13
2016	8	1.268	1.192	0.076	6.02%	0.247
2016	9	1.401	1.305	0.096	6.88%	0.312
2016	10	2.843	2.949	-0.107	-3.75%	-0.345
2016	11	4.759	4.832	-0.073	-1.53%	-0.235
2016	12	8.694	9.074	-0.38	-4.37%	-1.231

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	1	9.411	8.836	0.575	6.11%	1.863
2017	2	6.801	7.325	-0.524	-7.70%	-1.695
2017	3	7.098	7.361	-0.263	-3.71%	-0.852
2017	4	3.566	3.341	0.225	6.31%	0.728
2017	5	3.193	2.84	0.353	11.05%	1.142
2017	6	1.446	1.621	-0.175	-12.13%	-0.568
2017	7	1.364	1.359	0.005	0.38%	0.017
2017	8	1.36	1.362	-0.002	-0.12%	-0.005
2017	9	1.641	1.583	0.058	3.56%	0.189
2017	10	2.439	2.706	-0.267	-10.95%	-0.865
2017	11	6.377	6.148	0.229	3.59%	0.741
2017	12	9.918	9.798	0.12	1.21%	0.389
2018	1	10.77	10.449	0.321	2.98%	1.039
2018	2	8.622	8.603	0.019	0.22%	0.062
2018	3	8.193	8.01	0.183	2.23%	0.592
2018	4	6.151	6.211	-0.061	-0.99%	-0.197
2018	5	2.376	2.001	0.375	15.77%	1.213
2018	6	1.598	1.713	-0.115	-7.22%	-0.374
2018	7	1.383	1.46	-0.077	-5.56%	-0.249
2018	8	1.204	1.288	-0.084	-7.00%	-0.273
2018	9	1.444	1.542	-0.098	-6.77%	-0.316
2018	10	3.055	3.674	-0.619	-20.27%	-2.005
2018	11	7.416	6.58	0.836	11.28%	2.708
2018	12	8.593	8.39	0.203	2.37%	0.658
2019	1	10.697	11.143	-0.447	-4.18%	-1.447
2019	2	9.304	8.84	0.464	4.98%	1.501
2019	3	8.55	8.376	0.175	2.04%	0.565
2019	4	4.449	4.83	-0.381	-8.57%	-1.235
2019	5	2.956	2.827	0.129	4.37%	0.418
2019	6	1.587	1.677	-0.091	-5.71%	-0.293
2019	7	1.234	1.309	-0.075	-6.06%	-0.242
2019	8	1.351	1.234	0.117	8.65%	0.379
2019	9	1.475	1.314	0.161	10.93%	0.522
2019	10	3.444	3.629	-0.185	-5.36%	-0.597
2019	11	7.348	7.114	0.234	3.19%	0.758
2019	12	8.527	8.206	0.321	3.77%	1.041
2020	1	9.068	9.172	-0.104	-1.15%	-0.338
2020	2	9.16	8.856	0.304	3.32%	0.984
2020	3	7.067	6.96	0.107	1.52%	0.347
2020	4	4.843	5.41	-0.567	-11.71%	-1.836
2020	5	3.258	2.963	0.295	9.06%	0.956
2020	6	1.168	1.525	-0.357	-30.56%	-1.156

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2020	7	1.327	1.145	0.182	13.72%	0.59
2020	8	1.238	1.268	-0.03	-2.45%	-0.098
2020	9	1.796	1.825	-0.029	-1.60%	-0.093
2020	10	4.255	3.959	0.296	6.96%	0.959
2020	11	5.503	5.27	0.233	4.24%	0.755
2020	12	8.379	8.565	-0.186	-2.22%	-0.602
2021	1	9.759	9.505	0.254	2.60%	0.822
2021	2	10.358	9.903	0.455	4.39%	1.473
2021	3	6.615	6.706	-0.091	-1.38%	-0.295
2021	4	4.522	4.461	0.062	1.36%	0.2
2021	5	2.802	3.176	-0.373	-13.32%	-1.208
2021	6	1.374	1.27	0.104	7.57%	0.337
2021	7	1.296	1.349	-0.053	-4.09%	-0.172
2021	8	1.144	1.2	-0.056	-4.85%	-0.18
2021	9	1.545	1.346	0.2	12.91%	0.646
2021	10	2.501	2.422	0.079	3.14%	0.255
2021	11	6.721	6.422	0.299	4.45%	0.967
2021	12	8.179	7.932	0.246	3.01%	0.798
2022	1	12.2	11.628	0.571	4.68%	1.85
2022	2	9.85	9.71	0.141	1.43%	0.455
2022	3	7.625	7.654	-0.029	-0.38%	-0.094
2022	4	5.713	5.379	0.334	5.84%	1.081
2022	5	2.229	2.635	-0.406	-18.21%	-1.314
2022	6	1.283	1.463	-0.18	-14.06%	-0.584
2022	7	1.219	1.228	-0.009	-0.71%	-0.028
2022	8	1.288	1.186	0.102	7.92%	0.33
2022	9	1.51	1.689	-0.179	-11.85%	-0.579
2022	10	3.643	3.309	0.333	9.15%	1.079
2022	11	5.91	5.774	0.136	2.30%	0.44
2022	12	9.555	8.638	0.917	9.59%	2.968
2023	1	9.105	9.361	-0.256	-2.81%	-0.829
2023	2	7.889	8.09	-0.201	-2.55%	-0.651
2023	3	7.756	7.425	0.332	4.28%	1.074
2023	4	4.621	4.527	0.094	2.04%	0.305
2023	5	2.623	2.818	-0.195	-7.44%	-0.632
2023	6	1.59	1.492	0.099	6.21%	0.32
2023	7	1.3	1.417	-0.117	-9.03%	-0.38
2023	8	1.353	1.317	0.037	2.72%	0.119
2023	9	1.388	1.387	0.001	0.04%	0.002
2023	10	3.464	3.239	0.225	6.51%	0.73
2023	11	6.443	6.212	0.231	3.58%	0.747
2023	12	7.124	7.155	-0.031	-0.43%	-0.1

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2024	1	10.274	9.818	0.455	4.43%	1.474
2024	2	7.563	7.631	-0.069	-0.91%	-0.223
2024	3	6.875	6.56	0.314	4.57%	1.018
2024	4	4.047	4.137	-0.09	-2.23%	-0.292
2024	5	1.722	2.026	-0.305	-17.70%	-0.987
2024	6	1.216	1.314	-0.097	-8.01%	-0.316
2024	7	1.179	1.237	-0.058	-4.94%	-0.189
2024	8	1.23	1.191	0.039	3.18%	0.126
2024	9	1.418	1.213	0.204	14.41%	0.662
2024	10	2.901	2.889	0.013	0.44%	0.042
2024	11	5.333	5.25	0.084	1.57%	0.27
2024	12	9.177	8.522	0.655	7.14%	2.122
2025	1	12.002	11.205	0.797	6.64%	2.58
2025	2	10.268	9.967	0.301	2.93%	0.976
2025	3	7.182	7.073	0.109	1.52%	0.353
2025	4	4.407	4.92	-0.513	-11.64%	-1.661
2025	5	2.581	2.922	-0.341	-13.21%	-1.104
2025	6	1.328	1.245	0.083	6.23%	0.268
2025	7	1.125	1.269	-0.144	-12.83%	-0.467
2025	8	1.199	1.155	0.044	3.69%	0.143
2025	9	1.182	1.547	-0.365	-30.89%	-1.182
2025	10	2.94	2.964	-0.024	-0.81%	-0.077
2025	11		5.786			
2025	12		8.215			
2026	1		10.033			
2026	2		8.793			
2026	3		7.193			
2026	4		4.587			
2026	5		2.485			
2026	6		1.467			
2026	7		1.361			
2026	8		1.297			
2026	9		1.608			
2026	10		3.234			
2026	11		5.973			
2026	12		8.333			
2027	1		10.107			
2027	2		8.84			
2027	3		7.223			
2027	4		4.606			
2027	5		2.497			
2027	6		1.475			

Rate A Residential

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2027	7		1.366			
2027	8		1.3			
2027	9		1.61			
2027	10		3.235			
2027	11		5.974			
2027	12		8.334			
2028	1		10.108			
2028	2		8.84			
2028	3		7.223			
2028	4		4.606			
2028	5		2.497			
2028	6		1.475			
2028	7		1.366			
2028	8		1.3			
2028	9		1.61			
2028	10		3.235			
2028	11		5.974			
2028	12		8.334			
2029	1		10.108			
2029	2		8.84			
2029	3		7.223			
2029	4		4.606			
2029	5		2.497			
2029	6		1.475			
2029	7		1.366			
2029	8		1.3			
2029	9		1.61			
2029	10		3.235			
2029	11		5.974			
2029	12		8.334			
2030	1		10.108			

Rate A Forecast before EWR (Calendar)

Year	Month	Forecast_A
2015	1	21,874,801.20
2015	2	22,808,730.30
2015	3	15,010,024.80
2015	4	7,938,852.10
2015	5	3,312,184.00
2015	6	2,205,725.10
2015	7	2,035,269.30
2015	8	1,907,499.80
2015	9	2,079,972.70
2015	10	5,366,561.60
2015	11	9,500,256.50
2015	12	11,844,684.90
2016	1	19,103,391.50
2016	2	16,797,181.70
2016	3	11,589,404.80
2016	4	9,227,239.80
2016	5	4,195,110.30
2016	6	1,992,347.70
2016	7	1,830,258.70
2016	8	1,758,849.50
2016	9	2,014,506.70
2016	10	5,064,640.80
2016	11	9,059,065.50
2016	12	17,681,760.40
2017	1	18,336,800.80
2017	2	13,723,499.60
2017	3	14,470,476.20
2017	4	7,176,443.10
2017	5	4,951,786.30
2017	6	1,892,358.30
2017	7	1,812,420.70
2017	8	1,838,507.90
2017	9	2,385,745.40
2017	10	4,449,541.90
2017	11	12,279,872.40
2017	12	19,863,115.00
2018	1	20,782,892.80
2018	2	16,569,697.20
2018	3	16,113,565.70
2018	4	11,717,351.00
2018	5	3,557,352.60
2018	6	2,291,183.50

Rate A Forecast before EWR (Calendar)

Year	Month	Forecast_A
2018	7	1,646,839.40
2018	8	1,826,423.40
2018	9	2,072,856.20
2018	10	6,897,437.10
2018	11	14,313,697.70
2018	12	16,530,352.40
2019	1	22,494,448.20
2019	2	18,393,628.30
2019	3	16,766,066.50
2019	4	8,576,855.10
2019	5	4,921,305.00
2019	6	2,397,842.10
2019	7	2,045,051.70
2019	8	1,712,031.40
2019	9	1,836,189.20
2019	10	6,321,981.10
2019	11	14,356,169.70
2019	12	16,144,081.60
2020	1	17,548,036.30
2020	2	18,084,685.30
2020	3	13,026,599.70
2020	4	9,397,136.50
2020	5	5,771,449.70
2020	6	2,239,547.70
2020	7	1,335,143.00
2020	8	1,667,500.50
2020	9	2,847,789.60
2020	10	7,894,033.90
2020	11	10,011,533.50
2020	12	16,399,092.20
2021	1	19,064,042.50
2021	2	20,146,351.40
2021	3	12,372,138.90
2021	4	8,073,849.90
2021	5	4,683,999.00
2021	6	2,072,276.50
2021	7	1,711,814.20
2021	8	1,742,835.80
2021	9	2,090,366.30
2021	10	4,459,486.20
2021	11	13,257,342.60
2021	12	15,389,431.90

Rate A Forecast before EWR (Calendar)

Year	Month	Forecast_A
2022	1	24,059,377.60
2022	2	18,797,276.00
2022	3	14,739,868.40
2022	4	10,156,357.50
2022	5	3,934,818.70
2022	6	2,124,101.40
2022	7	1,697,589.50
2022	8	1,844,196.40
2022	9	2,412,952.10
2022	10	6,644,259.00
2022	11	11,415,005.70
2022	12	18,316,358.40
2023	1	17,376,179.40
2023	2	15,737,599.70
2023	3	14,989,302.80
2023	4	8,416,188.80
2023	5	4,507,484.00
2023	6	2,241,365.70
2023	7	1,830,791.00
2023	8	1,963,249.60
2023	9	2,111,991.50
2023	10	6,330,542.90
2023	11	12,295,388.80
2023	12	13,172,267.20
2024	1	20,300,247.70
2024	2	14,430,512.40
2024	3	12,688,773.60
2024	4	7,401,427.10
2024	5	2,927,290.50
2024	6	2,001,114.90
2024	7	1,745,925.10
2024	8	1,810,275.10
2024	9	2,009,202.90
2024	10	4,839,197.00
2024	11	10,073,592.40
2024	12	17,587,963.30
2025	1	23,034,692.10
2025	2	19,518,280.50
2025	3	13,080,710.30
2025	4	7,927,642.10
2025	5	4,453,239.90
2025	6	1,757,661.30

Rate A Forecast before EWR (Calendar)

Year	Month	Forecast_A
2025	7	1,659,991.00
2025	8	1,671,316.35
2025	9	1,863,681.03
2025	10	5,261,371.11
2025	11	12,549,407.74
2025	12	17,718,659.16
2026	1	21,914,020.78
2026	2	19,055,144.29
2026	3	15,199,660.95
2026	4	9,387,541.94
2026	5	4,433,703.31
2026	6	2,326,163.59
2026	7	2,040,171.14
2026	8	1,994,133.99
2026	9	2,590,341.05
2026	10	6,366,527.49
2026	11	12,737,697.48
2026	12	17,910,316.44
2027	1	22,141,058.78
2027	2	19,247,031.43
2027	3	15,348,556.94
2027	4	9,476,951.75
2027	5	4,474,786.68
2027	6	2,347,124.49
2027	7	2,057,962.31
2027	8	2,010,962.23
2027	9	2,611,487.43
2027	10	6,416,740.28
2027	11	12,834,751.85
2027	12	18,042,082.01
2028	1	22,298,008.94
2028	2	19,378,390.27
2028	3	15,449,329.87
2028	4	9,536,687.77
2028	5	4,501,832.85
2028	6	2,360,714.16
2028	7	2,069,370.91
2028	8	2,021,626.42
2028	9	2,624,719.54
2028	10	6,447,784.87
2028	11	12,893,941.81
2028	12	18,121,262.89

Rate A Forecast before EWR (Calendar)

Year	Month	Forecast_A
2029	1	22,391,069.32
2029	2	19,455,165.60
2029	3	15,507,326.07
2029	4	9,570,611.63
2029	5	4,516,975.43
2029	6	2,368,206.41
2029	7	2,075,576.61
2029	8	2,027,341.63
2029	9	2,631,696.38
2029	10	6,463,918.11
2029	11	12,924,227.95
2029	12	18,161,099.46
2030	1	22,437,140.65

Rate 2A II Comparison

	Billed Sales Forecast	Billed Sales Forecast w/ EWR	Calendar Sales Forecast	Calendar Sales Forecast w/ EWR
Oct-26	155,015	153,465	238,397	236,013
Nov-26	291,580	288,664	394,168	390,226
Dec-26	472,073	467,352	540,548	535,142
Jan-27	610,679	598,527	627,663	615,172
Feb-27	579,447	567,916	566,253	554,984
Mar-27	572,070	560,686	494,205	484,370
Apr-27	401,533	393,542	328,509	321,972
May-27	265,306	260,027	179,255	175,688
Jun-27	141,033	138,226	100,128	98,136
Jul-27	95,334	93,437	94,099	92,226
Aug-27	82,391	80,751	80,198	78,602
Sep-27	90,283	88,487	106,902	104,775
	3,756,744	3,691,080	3,750,326	3,687,308

Apr-Dec 2026	99.000%
Jan-Mar 2027	98.010%
Apr-Dec 2027	98.010%

Rate 2A II Residential Heat UPC Data (Calendar)

Year	Month	GCR_GCC	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	HDD	Xmissing	Ymissing
2010	6	24.38	0	0	0	0	0	1	0	0	0	0	0	32.86	0	0
2010	7	19.26	0	0	0	0	0	0	1	0	0	0	0	2.02	0	0
2010	8	19.29	0	0	0	0	0	0	0	1	0	0	0	3.99	0	0
2010	9	29.68	0	0	0	0	0	0	0	0	1	0	0	128.42	0	0
2010	10	56.66	0	0	0	0	0	0	0	0	0	1	0	354.33	0	0
2010	11	98.4	0	0	0	0	0	0	0	0	0	0	1	705.51	0	0
2010	12	157.43	0	0	0	0	0	0	0	0	0	0	0	1,207.25	0	0
2011	1	161.81	1	0	0	0	0	0	0	0	0	0	0	1,368.46	0	0
2011	2	134.89	0	1	0	0	0	0	0	0	0	0	0	1,127.13	0	0
2011	3	136.5	0	0	1	0	0	0	0	0	0	0	0	978.03	0	0
2011	4	83.47	0	0	0	1	0	0	0	0	0	0	0	569.64	0	0
2011	5	48.73	0	0	0	0	1	0	0	0	0	0	0	225.49	0	0
2011	6	26.26	0	0	0	0	0	1	0	0	0	0	0	34.71	0	0
2011	7	22.12	0	0	0	0	0	0	1	0	0	0	0	0.77	0	0
2011	8	21.14	0	0	0	0	0	0	0	1	0	0	0	2.13	0	0
2011	9	31.99	0	0	0	0	0	0	0	0	1	0	0	143.02	0	0
2011	10	58.93	0	0	0	0	0	0	0	0	0	1	0	372.43	0	0
2011	11	83.73	0	0	0	0	0	0	0	0	0	0	1	605.68	0	0
2011	12	124.73	0	0	0	0	0	0	0	0	0	0	0	942.62	0	0
2012	1	138.55	1	0	0	0	0	0	0	0	0	0	0	1,096.07	0	0
2012	2	128.84	0	1	0	0	0	0	0	0	0	0	0	959.54	0	0
2012	3	81.78	0	0	1	0	0	0	0	0	0	0	0	501.54	0	0
2012	4	79.83	0	0	0	1	0	0	0	0	0	0	0	512.59	0	0
2012	5	30.6	0	0	0	0	1	0	0	0	0	0	0	126.76	0	0
2012	6	20.39	0	0	0	0	0	1	0	0	0	0	0	34.59	0	0
2012	7	22.18	0	0	0	0	0	0	1	0	0	0	0	0.91	0	0
2012	8	19.58	0	0	0	0	0	0	0	1	0	0	0	8.97	0	0
2012	9	31.36	0	0	0	0	0	0	0	0	1	0	0	141.91	0	0
2012	10	57.89	0	0	0	0	0	0	0	0	0	1	0	425.55	0	0
2012	11	100.98	0	0	0	0	0	0	0	0	0	0	1	752.47	0	0
2012	12	119.84	0	0	0	0	0	0	0	0	0	0	0	931.74	0	0
2013	1	144.38	1	0	0	0	0	0	0	0	0	0	0	1,152.52	0	0
2013	2	138.06	0	1	0	0	0	0	0	0	0	0	0	1,103.71	0	0
2013	3	129.01	0	0	1	0	0	0	0	0	0	0	0	1,001.84	0	0
2013	4	92.07	0	0	0	1	0	0	0	0	0	0	0	610.77	0	0
2013	5	39.74	0	0	0	0	1	0	0	0	0	0	0	181.18	0	0
2013	6	21.92	0	0	0	0	0	1	0	0	0	0	0	47.37	0	0
2013	7	22.87	0	0	0	0	0	0	1	0	0	0	0	13.99	0	0
2013	8	19.53	0	0	0	0	0	0	0	1	0	0	0	17.52	0	0
2013	9	29.65	0	0	0	0	0	0	0	0	1	0	0	125.28	0	0
2013	10	57.55	0	0	0	0	0	0	0	0	0	1	0	398.87	0	0
2013	11	106.65	0	0	0	0	0	0	0	0	0	0	1	829.76	0	0
2013	12	150.26	0	0	0	0	0	0	0	0	0	0	0	1,230.34	0	0
2014	1	183.63	1	0	0	0	0	0	0	0	0	0	0	1,499.52	0	0
2014	2	159.5	0	1	0	0	0	0	0	0	0	0	0	1,324.11	0	0
2014	3	140.77	0	0	1	0	0	0	0	0	0	0	0	1,185.48	0	0
2014	4	84.24	0	0	0	1	0	0	0	0	0	0	0	544.45	0	0
2014	5	41.39	0	0	0	0	1	0	0	0	0	0	0	224.8	0	0
2014	6	26.23	0	0	0	0	0	1	0	0	0	0	0	29.11	0	0
2014	7	26.33	0	0	0	0	0	0	1	0	0	0	0	21.02	0	0
2014	8	18.82	0	0	0	0	0	0	0	1	0	0	0	14.49	0	0
2014	9	32.55	0	0	0	0	0	0	0	0	1	0	0	134.44	0	0
2014	10	59.17	0	0	0	0	0	0	0	0	0	1	0	431.05	0	0
2014	11	111.9	0	0	0	0	0	0	0	0	0	0	1	905.98	0	0
2014	12	127.25	0	0	0	0	0	0	0	0	0	0	0	1,013.30	0	0
2015	1	167.57	1	0	0	0	0	0	0	0	0	0	0	1,376.57	0	0
2015	2	171.91	0	1	0	0	0	0	0	0	0	0	0	1,451.32	0	0
2015	3	119.68	0	0	1	0	0	0	0	0	0	0	0	994.52	0	0
2015	4	71.52	0	0	0	1	0	0	0	0	0	0	0	507.94	0	0
2015	5	35.08	0	0	0	0	1	0	0	0	0	0	0	163.96	0	0
2015	6	22.11	0	0	0	0	0	1	0	0	0	0	0	43.55	0	0
2015	7	21.15	0	0	0	0	0	0	1	0	0	0	0	12.09	0	0
2015	8	22.19	0	0	0	0	0	0	0	1	0	0	0	15.04	0	0
2015	9	25.86	0	0	0	0	0	0	0	0	1	0	0	51.03	0	0
2015	10	50.16	0	0	0	0	0	0	0	0	0	1	0	370	0	0
2015	11	81.67	0	0	0	0	0	0	0	0	0	0	1	590.04	0	0
2015	12	97.47	0	0	0	0	0	0	0	0	0	0	0	775.8	0	0
2016	1	145.02	1	0	0	0	0	0	0	0	0	0	0	1,185.84	0	0
2016	2	131.51	0	1	0	0	0	0	0	0	0	0	0	1,024.24	0	0
2016	3	95.84	0	0	1	0	0	0	0	0	0	0	0	742.13	0	0
2016	4	80.66	0	0	0	1	0	0	0	0	0	0	0	600.07	0	0

Rate 2A II Residential Heat UPC Data (Calendar)

Year	Month	GCR_GCC	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	HDD	Xmissing	Ymissing
2016	5	41.35	0	0	0	0	1	0	0	0	0	0	0	224.36	0	0
2016	6	22.27	0	0	0	0	0	1	0	0	0	0	0	32.31	0	0
2016	7	18.96	0	0	0	0	0	0	1	0	0	0	0	4.73	0	0
2016	8	18.88	0	0	0	0	0	0	0	1	0	0	0	1.45	0	0
2016	9	21.61	0	0	0	0	0	0	0	0	1	0	0	43.96	0	0
2016	10	47.43	0	0	0	0	0	0	0	0	0	1	0	326.5	0	0
2016	11	77.51	0	0	0	0	0	0	0	0	0	0	1	561.78	0	0
2016	12	140.07	0	0	0	0	0	0	0	0	0	0	0	1,131.51	0	0
2017	1	130.04	1	0	0	0	0	0	0	0	0	0	0	1,075.28	0	0
2017	2	102.95	0	1	0	0	0	0	0	0	0	0	0	823.28	0	0
2017	3	115.92	0	0	1	0	0	0	0	0	0	0	0	923.94	0	0
2017	4	17.44	0	0	0	1	0	0	0	0	0	0	0	389.57	0	0
2017	5	58.37	0	0	0	0	1	0	0	0	0	0	0	262.84	0	0
2017	6	26.15	0	0	0	0	0	1	0	0	0	0	0	27.18	0	0
2017	7	18.2	0	0	0	0	0	0	1	0	0	0	0	2.36	0	0
2017	8	13.55	0	0	0	0	0	0	0	1	0	0	0	16.64	0	0
2017	9	20.09	0	0	0	0	0	0	0	0	1	0	0	86.1	0	0
2017	10	77.87	0	0	0	0	0	0	0	0	0	1	0	294.73	0	0
2017	11	69.42	0	0	0	0	0	0	0	0	0	0	1	774.05	0	0
2017	12	125.78	0	0	0	0	0	0	0	0	0	0	0	1,221.43	0	0
2018	1	153.4	1	0	0	0	0	0	0	0	0	0	0	1,256.17	0	0
2018	2	120.79	0	1	0	0	0	0	0	0	0	0	0	999.57	0	0
2018	3	122.97	0	0	1	0	0	0	0	0	0	0	0	960.97	0	0
2018	4	106.2	0	0	0	1	0	0	0	0	0	0	0	734.82	0	0
2018	5	51.89	0	0	0	0	1	0	0	0	0	0	0	115.56	0	0
2018	6	19.41	0	0	0	0	0	1	0	0	0	0	0	23.99	0	0
2018	7	19.04	0	0	0	0	0	0	1	0	0	0	0	0.9	0	0
2018	8	25.82	0	0	0	0	0	0	0	1	0	0	0	3.08	0	0
2018	9	15.95	0	0	0	0	0	0	0	0	1	0	0	86.19	0	0
2018	10	48.71	0	0	0	0	0	0	0	0	0	1	0	456.4	0	0
2018	11	97.71	0	0	0	0	0	0	0	0	0	0	1	882.53	0	0
2018	12	134.37	0	0	0	0	0	0	0	0	0	0	0	984.7	0	0
2019	1	140.02	1	0	0	0	0	0	0	0	0	0	0	1,332.94	0	0
2019	2	124.38	0	1	0	0	0	0	0	0	0	0	0	1,090.13	0	0
2019	3	130.14	0	0	1	0	0	0	0	0	0	0	0	1,008.55	0	0
2019	4	72.72	0	0	0	1	0	0	0	0	0	0	0	527.31	0	0
2019	5	44.75	0	0	0	0	1	0	0	0	0	0	0	265.49	0	0
2019	6	26.73	0	0	0	0	0	1	0	0	0	0	0	59.31	0	0
2019	7	38.63	0	0	0	0	0	0	1	0	0	0	0	2.14	0	0
2019	8	-2.58	0	0	0	0	0	0	0	1	0	0	0	9.81	0	0
2019	9	20.52	0	0	0	0	0	0	0	0	1	0	0	42.92	0	0
2019	10	55.36	0	0	0	0	0	0	0	0	0	1	0	419.37	0	0
2019	11	105.81	0	0	0	0	0	0	0	0	0	0	1	901.59	0	0
2019	12	124.91	0	0	0	0	0	0	0	0	0	0	0	976	0	0
2020	1	126.66	1	0	0	0	0	0	0	0	0	0	0	1,042.14	0	0
2020	2	124.28	0	1	0	0	0	0	0	0	0	0	0	1,060.75	0	0
2020	3	100.63	0	0	1	0	0	0	0	0	0	0	0	794.17	0	0
2020	4	97.84	0	0	0	1	0	0	0	0	0	0	0	616.13	0	0
2020	5	26.88	0	0	0	0	1	0	0	0	0	0	0	304.97	0	0
2020	6	15.68	0	0	0	0	0	1	0	0	0	0	0	33.55	0	0
2020	7	23.24	0	0	0	0	0	0	1	0	0	0	0	0.7	0	0
2020	8	20.78	0	0	0	0	0	0	0	1	0	0	0	5.29	0	0
2020	9	22.96	0	0	0	0	0	0	0	0	1	0	0	126.12	0	0
2020	10	69.56	0	0	0	0	0	0	0	0	0	1	0	490.9	0	0
2020	11	76.16	0	0	0	0	0	0	0	0	0	0	1	598.34	0	0
2020	12	110.59	0	0	0	0	0	0	0	0	0	0	0	1,009.73	0	0
2021	1	135.32	1	0	0	0	0	0	0	0	0	0	0	1,126.63	0	0
2021	2	136.42	0	1	0	0	0	0	0	0	0	0	0	1,204.44	0	0
2021	3	94.47	0	0	1	0	0	0	0	0	0	0	0	735.4	0	0
2021	4	60.95	0	0	0	1	0	0	0	0	0	0	0	480.87	0	0
2021	5	40.16	0	0	0	0	1	0	0	0	0	0	0	280.79	0	0
2021	6	25.97	0	0	0	0	0	1	0	0	0	0	0	23.11	0	0
2021	7	15.98	0	0	0	0	0	0	1	0	0	0	0	5	0	0
2021	8	16.79	0	0	0	0	0	0	0	1	0	0	0	0.82	0	0
2021	9	21.88	0	0	0	0	0	0	0	0	1	0	0	61.27	0	0
2021	10	35.49	0	0	0	0	0	0	0	0	0	1	0	246.09	0	0
2021	11	90.13	0	0	0	0	0	0	0	0	0	0	1	777.86	0	0
2021	12	112.98	0	0	0	0	0	0	0	0	0	0	0	915.91	0	0
2022	1	143.49	1	0	0	0	0	0	0	0	0	0	0	1,399.83	0	0
2022	2	128.52	0	1	0	0	0	0	0	0	0	0	0	1,120.31	0	0
2022	3	108.75	0	0	1	0	0	0	0	0	0	0	0	869.84	0	0

Rate 2A II Residential Heat UPC Data (Calendar)

Year	Month	GCR_GCC	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	HDD	Xmissing	Ymissing
2022	4	82.84	0	0	0	1	0	0	0	0	0	0	0	607.25	0	0
2022	5	43.69	0	0	0	0	1	0	0	0	0	0	0	169.38	0	0
2022	6	22.8	0	0	0	0	0	1	0	0	0	0	0	34.85	0	0
2022	7	16.31	0	0	0	0	0	0	1	0	0	0	0	3.02	0	0
2022	8	16.99	0	0	0	0	0	0	0	1	0	0	0	4.74	0	0
2022	9	20.63	0	0	0	0	0	0	0	0	1	0	0	100.97	0	0
2022	10	51.15	0	0	0	0	0	0	0	0	0	1	0	405.68	0	0
2022	11	81.95	0	0	0	0	0	0	0	0	0	0	1	676.27	0	0
2022	12	113.09	0	0	0	0	0	0	0	0	0	0	0	1,031.81	0	0
2023	1	122.72	1	0	0	0	0	0	0	0	0	0	0	1,009.23	0	0
2023	2	94.51	0	1	0	0	0	0	0	0	0	0	0	923.23	0	0
2023	3	116.18	0	0	1	0	0	0	0	0	0	0	0	894.71	0	0
2023	4	73.65	0	0	0	1	0	0	0	0	0	0	0	484.73	0	0
2023	5	36.4	0	0	0	0	1	0	0	0	0	0	0	221.17	0	0
2023	6	25.89	0	0	0	0	0	1	0	0	0	0	0	34.94	0	0
2023	7	16.95	0	0	0	0	0	0	1	0	0	0	0	2.29	0	0
2023	8	19.96	0	0	0	0	0	0	0	1	0	0	0	16	0	0
2023	9	21.19	0	0	0	0	0	0	0	0	1	0	0	57.46	0	0
2023	10	50.15	0	0	0	0	0	0	0	0	0	1	0	379.08	0	0
2023	11	82.42	0	0	0	0	0	0	0	0	0	0	1	740.89	0	0
2023	12	92.64	0	0	0	0	0	0	0	0	0	0	0	803.54	0	0
2024	1	123.85	1	0	0	0	0	0	0	0	0	0	0	1,159.85	0	0
2024	2	106.78	0	1	0	0	0	0	0	0	0	0	0	841.42	0	0
2024	3	92.87	0	0	1	0	0	0	0	0	0	0	0	745.67	0	0
2024	4	63.82	0	0	0	1	0	0	0	0	0	0	0	415.25	0	0
2024	5	33.53	0	0	0	0	1	0	0	0	0	0	0	113.85	0	0
2024	6	13.24	0	0	0	0	0	1	0	0	0	0	0	25.08	0	0
2024	7	19.57	0	0	0	0	0	0	1	0	0	0	0	4.45	0	0
2024	8	17.44	0	0	0	0	0	0	0	1	0	0	0	10.13	0	0
2024	9	19.02	0	0	0	0	0	0	0	0	1	0	0	39.55	0	0
2024	10	39.57	0	0	0	0	0	0	0	0	0	1	0	313.21	0	0
2024	11	72.98	0	0	0	0	0	0	0	0	0	0	1	609.59	0	0
2024	12	108.55	0	0	0	0	0	0	0	0	0	0	0	1,026.42	0	0
2025	1	128.11	1	0	0	0	0	0	0	0	0	0	0	1,313.72	0	0
2025	2	131.36	0	1	0	0	0	0	0	0	0	0	0	1,122.34	0	0
2025	3	100.1	0	0	1	0	0	0	0	0	0	0	0	746.02	0	0
2025	4	62.9	0	0	0	1	0	0	0	0	0	0	0	502.42	0	0
2025	5	39.39	0	0	0	0	1	0	0	0	0	0	0	267.73	0	0
2025	6	19.27	0	0	0	0	0	1	0	0	0	0	0	31.99	0	0
2025	7	15.27	0	0	0	0	0	0	1	0	0	0	0	3.1	0	0
2025	8	16.32	0	0	0	0	0	0	0	1	0	0	0	9	0	0
2025	9	16.36	0	0	0	0	0	0	0	0	1	0	0	91	0	0
2025	10	40.81	0	0	0	0	0	0	0	0	0	1	0	379	0	0
2025	11		0	0	0	0	0	0	0	0	0	0	1	727	0	1
2025	12		0	0	0	0	0	0	0	0	0	0	0	1,013.00	0	1
2026	1		1	0	0	0	0	0	0	0	0	0	0	1,222.00	0	1
2026	2		0	1	0	0	0	0	0	0	0	0	0	1,075.00	0	1
2026	3		0	0	1	0	0	0	0	0	0	0	0	872	0	1
2026	4		0	0	0	1	0	0	0	0	0	0	0	532	0	1
2026	5		0	0	0	0	1	0	0	0	0	0	0	205	0	1
2026	6		0	0	0	0	0	1	0	0	0	0	0	34	0	1
2026	7		0	0	0	0	0	0	1	0	0	0	0	5	0	1
2026	8		0	0	0	0	0	0	0	1	0	0	0	9	0	1
2026	9		0	0	0	0	0	0	0	0	1	0	0	91	0	1
2026	10		0	0	0	0	0	0	0	0	0	1	0	379	0	1
2026	11		0	0	0	0	0	0	0	0	0	0	1	727	0	1
2026	12		0	0	0	0	0	0	0	0	0	0	0	1,013.00	0	1
2027	1		1	0	0	0	0	0	0	0	0	0	0	1,222.00	0	1
2027	2		0	1	0	0	0	0	0	0	0	0	0	1,075.00	0	1
2027	3		0	0	1	0	0	0	0	0	0	0	0	872	0	1
2027	4		0	0	0	1	0	0	0	0	0	0	0	532	0	1
2027	5		0	0	0	0	1	0	0	0	0	0	0	205	0	1
2027	6		0	0	0	0	0	1	0	0	0	0	0	34	0	1
2027	7		0	0	0	0	0	0	1	0	0	0	0	5	0	1
2027	8		0	0	0	0	0	0	0	1	0	0	0	9	0	1
2027	9		0	0	0	0	0	0	0	0	1	0	0	91	0	1
2027	10		0	0	0	0	0	0	0	0	0	1	0	379	0	1
2027	11		0	0	0	0	0	0	0	0	0	0	1	727	0	1
2027	12		0	0	0	0	0	0	0	0	0	0	0	1,013.00	0	1
2028	1		1	0	0	0	0	0	0	0	0	0	0	1,222.00	0	1
2028	2		0	1	0	0	0	0	0	0	0	0	0	1,075.00	0	1

Rate 2A II Residential Heat UPC Data (Calendar)

Year	Month	GCR_GCC_Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	HDD	Xmissing	Ymissing
2028	3	0	0	1	0	0	0	0	0	0	0	0	872	0	1
2028	4	0	0	0	1	0	0	0	0	0	0	0	532	0	1
2028	5	0	0	0	0	1	0	0	0	0	0	0	205	0	1
2028	6	0	0	0	0	0	1	0	0	0	0	0	34	0	1
2028	7	0	0	0	0	0	0	1	0	0	0	0	5	0	1
2028	8	0	0	0	0	0	0	0	1	0	0	0	9	0	1
2028	9	0	0	0	0	0	0	0	0	1	0	0	91	0	1
2028	10	0	0	0	0	0	0	0	0	0	1	0	379	0	1
2028	11	0	0	0	0	0	0	0	0	0	0	1	727	0	1
2028	12	0	0	0	0	0	0	0	0	0	0	0	1,013.00	0	1
2029	1	1	0	0	0	0	0	0	0	0	0	0	1,222.00	0	1
2029	2	0	1	0	0	0	0	0	0	0	0	0	1,075.00	0	1
2029	3	0	0	1	0	0	0	0	0	0	0	0	872	0	1
2029	4	0	0	0	1	0	0	0	0	0	0	0	532	0	1
2029	5	0	0	0	0	1	0	0	0	0	0	0	205	0	1
2029	6	0	0	0	0	0	1	0	0	0	0	0	34	0	1
2029	7	0	0	0	0	0	0	1	0	0	0	0	5	0	1
2029	8	0	0	0	0	0	0	0	1	0	0	0	9	0	1
2029	9	0	0	0	0	0	0	0	0	1	0	0	91	0	1
2029	10	0	0	0	0	0	0	0	0	0	1	0	379	0	1
2029	11	0	0	0	0	0	0	0	0	0	0	1	727	0	1
2029	12	0	0	0	0	0	0	0	0	0	0	0	1,013.00	0	1
2030	1	1	0	0	0	0	0	0	0	0	0	0	1,222.00	0	1

Rate 2A II Residential Heat UPC Coefficients (Calendar)

Variable	Coefficient	StdErr	T-Stat	P-Value	
CONST	20.186	7.018	2.876	0.45%	Constant term
Binary.Jan	-1.209	3.352	-0.361	71.88%	
Binary.Feb	-0.24	3.172	-0.076	93.97%	
Binary.Mar	4.002	3.283	1.219	22.46%	
Binary.Apr	0.531	4.424	0.12	90.46%	
Binary.May	-0.611	6.145	-0.099	92.09%	
Binary.June	-1.374	7.159	-0.192	84.80%	
Binary.July	0.307	7.312	0.042	96.66%	
Binary.Aug	-3.284	7.29	-0.45	65.29%	
Binary.Sep	-5.579	6.803	-0.82	41.33%	
Binary.Oct	-4.973	5.189	-0.958	33.93%	
Binary.Nov	-4.636	3.58	-1.295	19.71%	
Weather.H	0.101	0.007	15.397	0.00%	
AR(1)	0.064	0.077	0.835	40.48%	

Rate 2A II Residential Heat UPC Model Statistics (Cal)

Model Statistics	
Iterations	8
Adjusted Observations	184
Deg. of Freedom for Error	170
R-Squared	0.969
Adjusted R-Squared	0.966
AIC	4.384
BIC	4.629
F-Statistic	405.294
Prob (F-Statistic)	0
Log-Likelihood	-650.42
Model Sum of Squares	392,635.70
Sum of Squared Errors	12,668.51
Mean Squared Error	74.52
Std. Error of Regression	8.63
Mean Abs. Dev. (MAD)	5.68
Mean Abs. % Err. (MAPE)	16.26%
Durbin-Watson Statistic	1.994
Durbin-H Statistic	#NA
Ljung-Box Statistic	91.84
Prob (Ljung-Box)	0
Skewness	-0.83
Kurtosis	8.02
Jarque-Bera	214.321
Prob (Jarque-Bera)	0

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2010	6	24.379				
2010	7	19.26	20.842	-1.582	-0.08212	-0.183
2010	8	19.287	17.214	2.074	0.107507	0.24
2010	9	29.676	27.719	1.958	0.065963	0.227
2010	10	56.662	51.173	5.489	0.096876	0.636
2010	11	98.397	87.245	11.152	0.113335	1.292
2010	12	157.427	142.99	14.437	0.091708	1.672
2011	1	161.809	158.316	3.493	0.021589	0.405
2011	2	134.892	134.196	0.695	0.005155	0.081
2011	3	136.503	123.14	13.363	0.097895	1.548
2011	4	83.469	79.175	4.294	0.051441	0.497
2011	5	48.732	42.706	6.026	0.123661	0.698
2011	6	26.259	22.73	3.529	0.134391	0.409
2011	7	22.124	20.823	1.301	0.058812	0.151
2011	8	21.142	17.218	3.925	0.185627	0.455
2011	9	31.991	29.326	2.665	0.083316	0.309
2011	10	58.932	53.057	5.875	0.099693	0.681
2011	11	83.729	77.18	6.549	0.078219	0.759
2011	12	124.731	115.94	8.791	0.07048	1.018
2012	1	138.554	130.394	8.16	0.058896	0.945
2012	2	128.838	117.527	11.311	0.087791	1.31
2012	3	81.78	75.661	6.119	0.074824	0.709
2012	4	79.825	72.987	6.838	0.085661	0.792
2012	5	30.601	32.859	-2.258	-0.0738	-0.262
2012	6	20.392	22.194	-1.802	-0.08839	-0.209
2012	7	22.177	20.462	1.715	0.077339	0.199
2012	8	19.584	17.911	1.673	0.085427	0.194
2012	9	31.362	29.07	2.292	0.073084	0.266
2012	10	57.889	58.396	-0.507	-0.00876	-0.059
2012	11	100.98	91.61	9.37	0.092792	1.085
2012	12	119.838	114.994	4.843	0.040415	0.561
2013	1	144.377	135.858	8.518	0.059001	0.987
2013	2	138.06	132.111	5.949	0.043089	0.689
2013	3	129.01	125.902	3.107	0.024087	0.36
2013	4	92.07	82.699	9.371	0.101783	1.086
2013	5	39.737	38.511	1.226	0.030848	0.142
2013	6	21.921	23.72	-1.799	-0.08205	-0.208
2013	7	22.874	21.8	1.074	0.046963	0.124
2013	8	19.527	18.735	0.791	0.040527	0.092
2013	9	29.649	27.328	2.321	0.078287	0.269
2013	10	57.548	55.696	1.853	0.032191	0.215
2013	11	106.652	99.576	7.076	0.06635	0.82

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2013	12	150.257	145.049	5.208	0.03466	0.603
2014	1	183.626	170.958	12.669	0.068992	1.468
2014	2	159.495	154.663	4.832	0.030299	0.56
2014	3	140.768	144.415	-3.647	-0.02591	-0.422
2014	4	84.241	75.556	8.685	0.103094	1.006
2014	5	41.39	42.849	-1.458	-0.03524	-0.169
2014	6	26.233	21.697	4.536	0.172925	0.525
2014	7	26.325	22.906	3.42	0.129896	0.396
2014	8	18.821	18.605	0.216	0.011488	0.025
2014	9	32.55	28.23	4.321	0.132739	0.501
2014	10	59.169	59.076	0.093	0.001569	0.011
2014	11	111.901	107.177	4.723	0.04221	0.547
2014	12	127.25	122.946	4.305	0.033828	0.499
2015	1	167.565	158.458	9.108	0.054354	1.055
2015	2	171.915	167.292	4.622	0.026888	0.535
2015	3	119.678	125.079	-5.401	-0.04513	-0.626
2015	4	71.517	71.75	-0.233	-0.00325	-0.027
2015	5	35.077	36.117	-1.04	-0.02965	-0.12
2015	6	22.113	23.147	-1.034	-0.04676	-0.12
2015	7	21.152	21.644	-0.492	-0.02327	-0.057
2015	8	22.193	18.386	3.807	0.171521	0.441
2015	9	25.865	20.009	5.856	0.226394	0.678
2015	10	50.162	53.015	-2.853	-0.05687	-0.33
2015	11	81.669	75.051	6.619	0.081041	0.767
2015	12	97.466	99.042	-1.576	-0.01617	-0.183
2016	1	145.021	138.803	6.218	0.042878	0.72
2016	2	131.51	123.901	7.609	0.057862	0.881
2016	3	95.842	99.738	-3.896	-0.04065	-0.451
2016	4	80.664	81.174	-0.51	-0.00633	-0.059
2016	5	41.349	42.213	-0.864	-0.0209	-0.1
2016	6	22.271	22.02	0.251	0.011259	0.029
2016	7	18.965	20.983	-2.018	-0.10643	-0.234
2016	8	18.88	16.92	1.96	0.103819	0.227
2016	9	21.607	19.17	2.438	0.112824	0.282
2016	10	47.432	48.39	-0.958	-0.02019	-0.111
2016	11	77.509	72.301	5.209	0.067203	0.603
2016	12	140.068	134.924	5.144	0.036728	0.596
2017	1	130.037	128.05	1.987	0.015283	0.23
2017	2	102.947	103.338	-0.391	-0.00379	-0.045
2017	3	115.924	117.592	-1.668	-0.01439	-0.193
2017	4	17.438	59.999	-42.562	-2.44081	-4.93
2017	5	58.374	43.413	14.961	0.256299	1.733

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	6	26.148	22.344	3.804	0.145474	0.441
2017	7	18.203	21.026	-2.823	-0.15508	-0.327
2017	8	13.555	18.422	-4.867	-0.35908	-0.564
2017	9	20.088	22.99	-2.902	-0.14446	-0.336
2017	10	77.868	44.806	33.061	0.424583	3.83
2017	11	69.415	95.923	-26.508	-0.38187	-3.071
2017	12	125.777	142.119	-16.342	-0.12993	-1.893
2018	1	153.396	144.839	8.557	0.055782	0.991
2018	2	120.791	121.488	-0.697	-0.00577	-0.081
2018	3	122.973	121.337	1.635	0.013297	0.189
2018	4	106.2	95.119	11.081	0.104342	1.284
2018	5	51.889	31.978	19.911	0.383729	2.307
2018	6	19.406	22.562	-3.156	-0.16264	-0.366
2018	7	19.039	20.466	-1.427	-0.07498	-0.165
2018	8	25.816	17.114	8.702	0.337074	1.008
2018	9	15.947	23.874	-7.927	-0.49708	-0.918
2018	10	48.709	60.886	-12.178	-0.25001	-1.411
2018	11	97.706	103.971	-6.266	-0.06413	-0.726
2018	12	134.37	119.295	15.075	0.112192	1.746
2019	1	140.019	154.689	-14.67	-0.10477	-1.699
2019	2	124.38	129.288	-4.908	-0.03946	-0.569
2019	3	130.139	125.791	4.349	0.033415	0.504
2019	4	72.719	74.289	-1.57	-0.02158	-0.182
2019	5	44.747	46.335	-1.588	-0.03548	-0.184
2019	6	26.727	24.701	2.026	0.075798	0.235
2019	7	38.634	20.833	17.802	0.460775	2.062
2019	8	-2.577	19.044	-21.621	8.390439	-2.505
2019	9	20.52	17.633	2.887	0.140677	0.334
2019	10	55.359	57.717	-2.358	-0.0426	-0.273
2019	11	105.811	106.565	-0.754	-0.00712	-0.087
2019	12	124.91	118.812	6.098	0.048822	0.706
2020	1	126.66	124.736	1.924	0.015193	0.223
2020	2	124.276	127.346	-3.07	-0.0247	-0.356
2020	3	100.632	104.299	-3.667	-0.03644	-0.425
2020	4	97.84	82.767	15.073	0.154062	1.746
2020	5	26.881	51.362	-24.482	-0.91075	-2.836
2020	6	15.681	20.695	-5.013	-0.31969	-0.581
2020	7	23.237	20.145	3.092	0.133056	0.358
2020	8	20.785	17.609	3.175	0.152781	0.368
2020	9	22.959	27.574	-4.615	-0.20102	-0.535
2020	10	69.561	64.566	4.995	0.071809	0.579
2020	11	76.156	76.351	-0.195	-0.00257	-0.023

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2020	12	110.588	122.287	-11.7	-0.1058	-1.355
2021	1	135.324	132.14	3.184	0.02353	0.369
2021	2	136.419	141.883	-5.464	-0.04005	-0.633
2021	3	94.466	98.204	-3.738	-0.03957	-0.433
2021	4	60.951	69.076	-8.126	-0.13332	-0.941
2021	5	40.165	47.428	-7.263	-0.18083	-0.841
2021	6	25.966	20.648	5.317	0.204785	0.616
2021	7	15.977	21.308	-5.33	-0.33363	-0.617
2021	8	16.786	16.663	0.123	0.007338	0.014
2021	9	21.882	20.789	1.093	0.049966	0.127
2021	10	35.494	40.165	-4.671	-0.13161	-0.541
2021	11	90.135	93.904	-3.77	-0.04182	-0.437
2021	12	112.977	112.533	0.444	0.003929	0.051
2022	1	143.488	160.525	-17.037	-0.11873	-1.974
2022	2	128.52	132.127	-3.607	-0.02807	-0.418
2022	3	108.755	111.836	-3.081	-0.02833	-0.357
2022	4	82.836	81.9	0.936	0.0113	0.108
2022	5	43.692	36.748	6.944	0.158937	0.804
2022	6	22.804	22.784	0.019	0.000844	0.002
2022	7	16.307	20.828	-4.521	-0.27725	-0.524
2022	8	16.991	17.093	-0.102	-0.00598	-0.012
2022	9	20.628	24.791	-4.163	-0.20182	-0.482
2022	10	51.148	55.963	-4.815	-0.09413	-0.558
2022	11	81.95	83.601	-1.652	-0.02015	-0.191
2022	12	113.086	124.386	-11.3	-0.09992	-1.309
2023	1	122.725	120.287	2.438	0.019868	0.282
2023	2	94.509	113.403	-18.894	-0.19992	-2.189
2023	3	116.178	113.446	2.732	0.023517	0.316
2023	4	73.651	69.826	3.825	0.051939	0.443
2023	5	36.402	42.19	-5.788	-0.15899	-0.67
2023	6	25.887	21.989	3.898	0.150573	0.452
2023	7	16.953	20.952	-3.999	-0.23587	-0.463
2023	8	19.958	18.278	1.68	0.084159	0.195
2023	9	21.189	20.509	0.679	0.032064	0.079
2023	10	50.146	53.592	-3.447	-0.06873	-0.399
2023	11	82.422	90.243	-7.822	-0.0949	-0.906
2023	12	92.638	100.916	-8.278	-0.08936	-0.959
2024	1	123.847	135.686	-11.838	-0.09559	-1.371
2024	2	106.784	104.226	2.558	0.023957	0.296
2024	3	92.869	99.696	-6.827	-0.07352	-0.791
2024	4	63.817	62.273	1.544	0.024194	0.179
2024	5	33.529	31.158	2.371	0.070726	0.275

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2024	6	13.237	21.504	-8.268	-0.62462	-0.958
2024	7	19.573	20.423	-0.849	-0.04339	-0.098
2024	8	17.436	17.839	-0.403	-0.02312	-0.047
2024	9	19.024	18.574	0.45	0.023643	0.052
2024	10	39.574	46.909	-7.335	-0.18535	-0.85
2024	11	72.984	76.716	-3.732	-0.05114	-0.432
2024	12	108.547	123.698	-15.15	-0.13957	-1.755
2025	1	128.105	150.817	-22.712	-0.1773	-2.631
2025	2	131.357	131.905	-0.547	-0.00417	-0.063
2025	3	100.104	99.485	0.619	0.006188	0.072
2025	4	62.901	71.549	-8.647	-0.13748	-1.002
2025	5	39.393	46.093	-6.699	-0.17006	-0.776
2025	6	19.273	21.581	-2.308	-0.11976	-0.267
2025	7	15.267	20.628	-5.361	-0.35118	-0.621
2025	8	16.324	17.457	-1.132	-0.06936	-0.131
2025	9	16.36	23.713	-7.353	-0.44942	-0.852
2025	10	40.811	53.056	-12.245	-0.30004	-1.418
2025	11		88.241			
2025	12		122.558			
2026	1		142.53			
2026	2		128.639			
2026	3		112.356			
2026	4		74.508			
2026	5		40.303			
2026	6		22.25			
2026	7		20.999			
2026	8		17.812			
2026	9		23.808			
2026	10		53.534			
2026	11		89.057			
2026	12		122.611			
2027	1		142.534			
2027	2		128.639			
2027	3		112.356			
2027	4		74.508			
2027	5		40.303			
2027	6		22.25			
2027	7		20.999			
2027	8		17.812			
2027	9		23.808			
2027	10		53.534			
2027	11		89.057			

Rate 2A II RH UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2027	12		122.611			
2028	1		142.534			
2028	2		128.639			
2028	3		112.356			
2028	4		74.508			
2028	5		40.303			
2028	6		22.25			
2028	7		20.999			
2028	8		17.812			
2028	9		23.808			
2028	10		53.534			
2028	11		89.057			
2028	12		122.611			
2029	1		142.534			
2029	2		128.639			
2029	3		112.356			
2029	4		74.508			
2029	5		40.303			
2029	6		22.25			
2029	7		20.999			
2029	8		17.812			
2029	9		23.808			
2029	10		53.534			
2029	11		89.057			
2029	12		122.611			
2030	1		142.534			

Rate 2A II Residential UPC Data (Calendar)

Year	Month	UPC_2AII_	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Feb2019	June2024	July2012	Xmissing	Ymissing
2010	6	14.9	32.86	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2010	7	19.4	2.02	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2010	8	16.69	3.99	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2010	9	21.71	128.42	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2010	10	26.52	354.33	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2010	11	32	705.51	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2010	12	27.48	1,207.25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	1	41.25	1,368.46	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	2	37.3	1,127.13	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	3	31.84	978.03	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	4	31.27	569.64	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2011	5	31.39	225.49	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2011	6	19.79	34.71	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2011	7	19.23	0.77	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2011	8	17.09	2.13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2011	9	20.76	143.02	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2011	10	25.16	372.43	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2011	11	30.73	605.68	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2011	12	33.18	942.62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	1	35.1	1,096.07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	2	35.98	959.54	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	3	29.99	501.54	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	4	30.68	512.59	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2012	5	21.29	126.76	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2012	6	49.78	34.59	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2012	7	-10	0.91	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
2012	8	31.85	8.97	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2012	9	50.45	141.91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2012	10	-3.18	425.55	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2012	11	33.34	752.47	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2012	12	36.35	931.74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	1	29.89	1,152.52	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	2	48.62	1,103.71	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	3	34.06	1,001.84	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	4	35.65	610.77	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2013	5	27.08	181.18	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2013	6	18.11	47.37	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2013	7	19.32	13.99	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2013	8	18.13	17.52	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2013	9	20.64	125.28	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2013	10	25.42	398.87	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2013	11	31.42	829.76	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2013	12	37.75	1,230.34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	1	46.68	1,499.52	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	2	42.06	1,324.11	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	3	40.74	1,185.48	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	4	32.41	544.45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2014	5	26.05	224.8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2014	6	19.4	29.11	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2014	7	18.91	21.02	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2014	8	17.09	14.49	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2014	9	18.91	134.44	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2014	10	23.8	431.05	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2014	11	31.52	905.98	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2014	12	33.97	1,013.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	1	40.23	1,376.57	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	2	41.44	1,451.32	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	3	36.72	994.52	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	4	25.71	507.94	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2015	5	22.18	163.96	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2015	6	18.63	43.55	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2015	7	17.93	12.09	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2015	8	16.33	15.04	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2015	9	16.53	51.03	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2015	10	22.34	370	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2015	11	26.34	590.04	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2015	12	30.25	775.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	1	38.16	1,185.84	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	2	35.53	1,024.24	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	3	30.7	742.13	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	4	26.71	600.07	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2016	5	22.02	224.36	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2016	6	14.84	32.31	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2016	7	14.76	4.73	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2016	8	14.97	1.45	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2016	9	15.99	43.96	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2016	10	21.13	326.5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2016	11	25.52	561.78	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2016	12	33.16	1,131.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	1	43.38	1,075.28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	2	32.05	823.28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	3	29.98	923.94	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	4	15.3	389.57	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2017	5	28.99	262.84	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2017	6	18.39	27.18	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Rate 2A II Residential UPC Data (Calendar)

Year	Month	UPC_2AII_	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Feb2019	June2024	July2012	Xmissing	Ymissing
2017	7	15.41	2.36	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2017	8	10.12	16.64	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2017	9	15.25	86.1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2017	10	27.8	294.73	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2017	11	18.28	774.05	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2017	12	29.9	1,221.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	1	42.26	1,256.17	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2	34.76	999.57	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	3	47.07	960.97	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	4	30.19	734.82	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2018	5	22.29	115.56	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2018	6	16.63	23.99	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2018	7	15.47	0.9	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2018	8	13.06	3.08	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2018	9	39.92	86.19	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2018	10	25.32	456.4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2018	11	29.54	882.53	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2018	12	32.25	984.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	1	39.15	1,332.94	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	2	-3.63	1,090.13	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0
2019	3	40.1	1,008.55	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2019	4	29.03	527.31	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2019	5	19.22	265.49	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2019	6	2.96	59.31	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2019	7	14.26	2.14	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2019	8	13.94	9.81	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2019	9	18.86	42.92	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2019	10	26.47	419.37	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2019	11	32.48	901.59	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2019	12	35.64	976	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	1	34.84	1,042.14	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	2	40.27	1,060.75	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	3	31.01	794.17	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2020	4	30.78	616.13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2020	5	22.6	304.97	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2020	6	14.69	33.55	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2020	7	16.99	0.7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2020	8	15.21	5.29	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2020	9	18.84	126.12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2020	10	22.88	490.9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2020	11	23.96	598.34	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2020	12	33.8	1,009.73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	1	38.1	1,126.63	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	2	39.23	1,204.44	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	3	32.26	735.4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	4	27.87	480.87	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2021	5	21.12	280.79	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2021	6	15.07	23.11	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2021	7	15.58	5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2021	8	11.17	0.82	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2021	9	13.98	61.27	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2021	10	16.97	246.09	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2021	11	29.93	777.86	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2021	12	31.04	915.91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	1	37.76	1,399.83	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	2	36.48	1,120.31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	3	33.65	869.84	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2022	4	30.28	607.25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2022	5	19.85	169.38	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2022	6	17.34	34.85	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2022	7	14.17	3.02	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2022	8	15.45	4.74	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2022	9	16.74	100.97	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2022	10	21.41	405.68	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2022	11	26.33	676.27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2022	12	35.96	1,031.81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	1	40.35	1,009.23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	2	32.48	923.23	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	3	37.17	894.71	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2023	4	29.87	484.73	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2023	5	22.48	221.17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2023	6	18.88	34.94	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2023	7	17.39	2.29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2023	8	16.6	16	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2023	9	13.97	57.46	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2023	10	26.08	379.08	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2023	11	29.49	740.89	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2023	12	33.2	803.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	1	45.32	1,159.85	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	2	35.54	841.42	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	3	36.85	745.67	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2024	4	27.36	415.25	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2024	5	21.1	113.85	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2024	6	-3.35	25.08	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
2024	7	14.84	4.45	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0

Rate 2A II Residential UPC Data (Calendar)

Year	Month	UPC_2AII_	HDD	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Feb2019	June2024	July2012	Xmissing	Ymissing
2024	8	15.01	10.13	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2024	9	15.37	39.55	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
2024	10	21.34	313.21	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2024	11	29.42	609.59	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
2024	12	34.67	1,026.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	1	45.64	1,313.72	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	2	43.34	1,122.34	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	3	35.24	746.02	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2025	4	26.47	502.42	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2025	5	22.36	267.73	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2025	6	17.27	31.99	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2025	7	15.01	3.1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
2025	8	13.61	9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2025	9	11.82	91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2025	10	21.28	379	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
2025	11		727	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
2025	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	3		872	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
2026	4		532	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2026	5		205	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2026	6		34	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
2026	7		5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2026	8		9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2026	9		91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
2026	10		379	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
2026	11		727	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2026	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	3		872	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
2027	4		532	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2027	5		205	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2027	6		34	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
2027	7		5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2027	8		9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2027	9		91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
2027	10		379	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
2027	11		727	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2027	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2028	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2028	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2028	3		872	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
2028	4		532	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2028	5		205	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2028	6		34	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
2028	7		5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2028	8		9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2028	9		91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
2028	10		379	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
2028	11		727	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2028	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2029	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2029	2		1,075.00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2029	3		872	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
2029	4		532	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
2029	5		205	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
2029	6		34	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
2029	7		5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
2029	8		9	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2029	9		91	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
2029	10		379	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
2029	11		727	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
2029	12		1,013.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2030	1		1,222.00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Rate 2A II Residential UPC Coefficeints (Calendar)

Variable	Coefficient	StdErr	T-Stat	P-Value	
CONST	19.556	4.502	4.344	0.00%	Constant term
Weather.H	0.014	0.004	3.211	0.16%	
Binary.Jan	3.759	2.24	1.678	9.52%	
Binary.Feb	4.115	2.107	1.953	5.24%	
Binary.Mar	3.825	2.137	1.79	7.53%	
Binary.Apr	1.786	2.859	0.625	53.30%	
Binary.May	0.945	3.954	0.239	81.14%	
Binary.June	-1.581	4.599	-0.344	73.14%	
Binary.July	-3.049	4.71	-0.647	51.84%	
Binary.Aug	-3.654	4.683	-0.78	43.63%	
Binary.Sep	-0.179	4.373	-0.041	96.74%	
Binary.Oct	-2.753	3.347	-0.822	41.20%	
Binary.Nov	-0.694	2.379	-0.292	77.10%	
Binary.Feb	-42.027	5.82	-7.221	0.00%	
Binary.June	-21.662	5.807	-3.73	0.03%	
Binary.July	-26.519	5.807	-4.567	0.00%	

Rate 2A II Residential UPC Model Statistics (Calendar)

Model Statistics	
Iterations	1
Adjusted Observations	185
Deg. of Freedom for Error	169
R-Squared	0.74
Adjusted R-Squared	0.717
AIC	3.536
BIC	3.815
F-Statistic	32.087
Prob (F-Statistic)	0
Log-Likelihood	-573.6
Model Sum of Squares	15,216.93
Sum of Squared Errors	5,343.08
Mean Squared Error	31.62
Std. Error of Regression	5.62
Mean Abs. Dev. (MAD)	3.12
Mean Abs. % Err. (MAPE)	18.77%
Durbin-Watson Statistic	2.096
Durbin-H Statistic	#NA
Ljung-Box Statistic	52.94
Prob (Ljung-Box)	0.0006
Skewness	1.514
Kurtosis	16.154
Jarque-Bera	1404.415
Prob (Jarque-Bera)	0

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2010	6	14.901	18.418	-3.517	-23.61%	-0.626
2010	7	19.397	16.535	2.862	14.76%	0.509
2010	8	16.692	15.956	0.736	4.41%	0.131
2010	9	21.712	21.111	0.6	2.76%	0.107
2010	10	26.519	21.588	4.931	18.59%	0.877
2010	11	32.003	28.389	3.614	11.29%	0.643
2010	12	27.484	35.858	-8.374	-30.47%	-1.489
2011	1	41.254	41.794	-0.54	-1.31%	-0.096
2011	2	37.304	38.892	-1.588	-4.26%	-0.282
2011	3	31.836	36.588	-4.752	-14.93%	-0.845
2011	4	31.271	29.035	2.236	7.15%	0.398
2011	5	31.386	23.546	7.84	24.98%	1.394
2011	6	19.789	18.443	1.345	6.80%	0.239
2011	7	19.228	16.518	2.71	14.10%	0.482
2011	8	17.089	15.931	1.158	6.78%	0.206
2011	9	20.765	21.309	-0.544	-2.62%	-0.097
2011	10	25.158	21.833	3.325	13.22%	0.591
2011	11	30.73	27.041	3.688	12.00%	0.656
2011	12	33.182	32.285	0.897	2.70%	0.16
2012	1	35.098	38.116	-3.018	-8.60%	-0.537
2012	2	35.982	36.629	-0.646	-1.80%	-0.115
2012	3	29.989	30.154	-0.165	-0.55%	-0.029
2012	4	30.684	28.264	2.42	7.89%	0.43
2012	5	21.292	22.213	-0.92	-4.32%	-0.164
2012	6	49.784	18.442	31.342	62.96%	5.574
2012	7	-9.999	-9.999	0	0.00%	0
2012	8	31.851	16.023	15.828	49.69%	2.815
2012	9	50.45	21.294	29.157	57.79%	5.185
2012	10	-3.184	22.55	-25.734	808.28%	-4.577
2012	11	33.341	29.024	4.317	12.95%	0.768
2012	12	36.354	32.138	4.216	11.60%	0.75
2013	1	29.892	38.878	-8.986	-30.06%	-1.598
2013	2	48.619	38.575	10.044	20.66%	1.786
2013	3	34.063	36.91	-2.847	-8.36%	-0.506
2013	4	35.647	29.59	6.057	16.99%	1.077
2013	5	27.084	22.947	4.136	15.27%	0.736
2013	6	18.112	18.614	-0.503	-2.78%	-0.089
2013	7	19.316	16.696	2.62	13.56%	0.466
2013	8	18.126	16.138	1.987	10.96%	0.353
2013	9	20.637	21.069	-0.432	-2.09%	-0.077
2013	10	25.423	22.19	3.233	12.72%	0.575
2013	11	31.42	30.067	1.353	4.30%	0.241

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2013	12	37.755	36.17	1.585	4.20%	0.282
2014	1	46.685	43.564	3.121	6.69%	0.555
2014	2	42.062	41.552	0.511	1.21%	0.091
2014	3	40.737	39.39	1.348	3.31%	0.24
2014	4	32.41	28.694	3.716	11.46%	0.661
2014	5	26.055	23.536	2.518	9.67%	0.448
2014	6	19.403	18.368	1.035	5.34%	0.184
2014	7	18.914	16.791	2.123	11.22%	0.378
2014	8	17.086	16.098	0.989	5.79%	0.176
2014	9	18.911	21.193	-2.282	-12.07%	-0.406
2014	10	23.799	22.624	1.175	4.94%	0.209
2014	11	31.522	31.096	0.425	1.35%	0.076
2014	12	33.973	33.239	0.734	2.16%	0.13
2015	1	40.228	41.903	-1.676	-4.17%	-0.298
2015	2	41.444	43.269	-1.825	-4.40%	-0.325
2015	3	36.719	36.811	-0.092	-0.25%	-0.016
2015	4	25.708	28.201	-2.493	-9.70%	-0.443
2015	5	22.183	22.715	-0.531	-2.40%	-0.094
2015	6	18.632	18.563	0.069	0.37%	0.012
2015	7	17.93	16.671	1.259	7.02%	0.224
2015	8	16.327	16.105	0.222	1.36%	0.04
2015	9	16.531	20.066	-3.536	-21.39%	-0.629
2015	10	22.34	21.8	0.54	2.42%	0.096
2015	11	26.337	26.83	-0.493	-1.87%	-0.088
2015	12	30.254	30.032	0.222	0.73%	0.039
2016	1	38.159	39.328	-1.169	-3.06%	-0.208
2016	2	35.535	37.502	-1.968	-5.54%	-0.35
2016	3	30.705	33.403	-2.698	-8.79%	-0.48
2016	4	26.71	29.446	-2.736	-10.24%	-0.487
2016	5	22.016	23.53	-1.515	-6.88%	-0.269
2016	6	14.836	18.411	-3.575	-24.10%	-0.636
2016	7	14.763	16.571	-1.808	-12.25%	-0.322
2016	8	14.966	15.921	-0.956	-6.39%	-0.17
2016	9	15.989	19.971	-3.982	-24.90%	-0.708
2016	10	21.127	21.212	-0.086	-0.41%	-0.015
2016	11	25.517	26.448	-0.931	-3.65%	-0.166
2016	12	33.155	34.835	-1.68	-5.07%	-0.299
2017	1	43.377	37.835	5.543	12.78%	0.986
2017	2	32.046	34.789	-2.743	-8.56%	-0.488
2017	3	29.977	35.858	-5.881	-19.62%	-1.046
2017	4	15.298	26.603	-11.305	-73.89%	-2.01
2017	5	28.991	24.05	4.941	17.04%	0.879

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2017	6	18.39	18.342	0.049	0.26%	0.009
2017	7	15.415	16.539	-1.124	-7.29%	-0.2
2017	8	10.123	16.127	-6.003	-59.30%	-1.068
2017	9	15.255	20.54	-5.285	-34.65%	-0.94
2017	10	27.802	20.783	7.019	25.25%	1.248
2017	11	18.284	29.315	-11.03	-60.33%	-1.962
2017	12	29.899	36.05	-6.151	-20.57%	-1.094
2018	1	42.26	40.278	1.982	4.69%	0.353
2018	2	34.764	37.169	-2.406	-6.92%	-0.428
2018	3	47.074	36.358	10.716	22.76%	1.906
2018	4	30.186	31.265	-1.079	-3.57%	-0.192
2018	5	22.29	22.061	0.228	1.02%	0.041
2018	6	16.631	18.299	-1.667	-10.03%	-0.297
2018	7	15.47	16.519	-1.049	-6.78%	-0.187
2018	8	13.06	15.943	-2.883	-22.08%	-0.513
2018	9	39.916	20.541	19.375	48.54%	3.446
2018	10	25.315	22.966	2.349	9.28%	0.418
2018	11	29.538	30.78	-1.242	-4.20%	-0.221
2018	12	32.25	32.853	-0.603	-1.87%	-0.107
2019	1	39.148	41.314	-2.166	-5.53%	-0.385
2019	2	-3.635	-3.635	0	0.00%	0
2019	3	40.097	37	3.097	7.72%	0.551
2019	4	29.028	28.463	0.565	1.95%	0.101
2019	5	19.221	24.086	-4.865	-25.31%	-0.865
2019	6	2.957	18.775	-15.818	-534.87%	-2.813
2019	7	14.257	16.536	-2.28	-15.99%	-0.405
2019	8	13.945	16.034	-2.09	-14.98%	-0.372
2019	9	18.861	19.957	-1.095	-5.81%	-0.195
2019	10	26.47	22.467	4.004	15.12%	0.712
2019	11	32.482	31.037	1.445	4.45%	0.257
2019	12	35.644	32.736	2.908	8.16%	0.517
2020	1	34.843	37.387	-2.544	-7.30%	-0.452
2020	2	40.273	37.995	2.278	5.66%	0.405
2020	3	31.014	34.106	-3.091	-9.97%	-0.55
2020	4	30.776	29.662	1.114	3.62%	0.198
2020	5	22.6	24.619	-2.019	-8.93%	-0.359
2020	6	14.688	18.428	-3.74	-25.46%	-0.665
2020	7	16.995	16.517	0.478	2.81%	0.085
2020	8	15.209	15.973	-0.764	-5.03%	-0.136
2020	9	18.842	21.08	-2.239	-11.88%	-0.398
2020	10	22.876	23.432	-0.557	-2.43%	-0.099
2020	11	23.961	26.942	-2.981	-12.44%	-0.53

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2020	12	33.802	33.191	0.61	1.81%	0.109
2021	1	38.104	38.528	-0.424	-1.11%	-0.075
2021	2	39.231	39.936	-0.705	-1.80%	-0.125
2021	3	32.265	33.312	-1.047	-3.25%	-0.186
2021	4	27.871	27.836	0.035	0.13%	0.006
2021	5	21.121	24.292	-3.172	-15.02%	-0.564
2021	6	15.073	18.287	-3.213	-21.32%	-0.572
2021	7	15.58	16.575	-0.995	-6.39%	-0.177
2021	8	11.167	15.913	-4.745	-42.49%	-0.844
2021	9	13.979	20.205	-6.225	-44.53%	-1.107
2021	10	16.968	20.127	-3.159	-18.62%	-0.562
2021	11	29.928	29.366	0.562	1.88%	0.1
2021	12	31.038	31.924	-0.886	-2.85%	-0.158
2022	1	37.758	42.217	-4.459	-11.81%	-0.793
2022	2	36.482	38.799	-2.318	-6.35%	-0.412
2022	3	33.653	35.127	-1.474	-4.38%	-0.262
2022	4	30.284	29.542	0.741	2.45%	0.132
2022	5	19.848	22.788	-2.94	-14.81%	-0.523
2022	6	17.336	18.445	-1.109	-6.40%	-0.197
2022	7	14.169	16.548	-2.379	-16.79%	-0.423
2022	8	15.445	15.966	-0.521	-3.37%	-0.093
2022	9	16.735	20.741	-4.006	-23.93%	-0.712
2022	10	21.414	22.282	-0.868	-4.05%	-0.154
2022	11	26.325	27.994	-1.669	-6.34%	-0.297
2022	12	35.964	33.489	2.475	6.88%	0.44
2023	1	40.349	36.943	3.406	8.44%	0.606
2023	2	32.484	36.138	-3.654	-11.25%	-0.65
2023	3	37.165	35.463	1.702	4.58%	0.303
2023	4	29.87	27.888	1.982	6.63%	0.352
2023	5	22.478	23.487	-1.009	-4.49%	-0.18
2023	6	18.882	18.446	0.435	2.30%	0.077
2023	7	17.393	16.538	0.855	4.91%	0.152
2023	8	16.598	16.118	0.48	2.89%	0.085
2023	9	13.973	20.153	-6.18	-44.23%	-1.099
2023	10	26.081	21.922	4.158	15.94%	0.74
2023	11	29.489	28.867	0.622	2.11%	0.111
2023	12	33.203	30.407	2.796	8.42%	0.497
2024	1	45.32	38.977	6.343	14.00%	1.128
2024	2	35.541	35.034	0.507	1.43%	0.09
2024	3	36.852	33.451	3.401	9.23%	0.605
2024	4	27.356	26.95	0.406	1.48%	0.072
2024	5	21.104	22.038	-0.935	-4.43%	-0.166

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2024	6	-3.348	-3.348	0	0.00%	0
2024	7	14.836	16.567	-1.732	-11.67%	-0.308
2024	8	15.014	16.039	-1.025	-6.83%	-0.182
2024	9	15.37	19.911	-4.541	-29.55%	-0.808
2024	10	21.341	21.033	0.308	1.44%	0.055
2024	11	29.416	27.094	2.322	7.89%	0.413
2024	12	34.667	33.416	1.25	3.61%	0.222
2025	1	45.641	41.055	4.587	10.05%	0.816
2025	2	43.339	38.827	4.512	10.41%	0.803
2025	3	35.239	33.455	1.784	5.06%	0.317
2025	4	26.466	28.127	-1.661	-6.28%	-0.295
2025	5	22.357	24.116	-1.759	-7.87%	-0.313
2025	6	17.273	18.407	-1.134	-6.56%	-0.202
2025	7	15.009	16.549	-1.54	-10.26%	-0.274
2025	8	13.609	16.023	-2.414	-17.74%	-0.429
2025	9	11.821	20.606	-8.785	-74.31%	-1.562
2025	10	21.282	21.921	-0.639	-3.00%	-0.114
2025	11		28.68			
2025	12		33.235			
2026	1		39.816			
2026	2		38.188			
2026	3		35.157			
2026	4		28.526			
2026	5		23.269			
2026	6		18.434			
2026	7		16.575			
2026	8		16.023			
2026	9		20.606			
2026	10		21.921			
2026	11		28.68			
2026	12		33.235			
2027	1		39.816			
2027	2		38.188			
2027	3		35.157			
2027	4		28.526			
2027	5		23.269			
2027	6		18.434			
2027	7		16.575			
2027	8		16.023			
2027	9		20.606			
2027	10		21.921			
2027	11		28.68			

Rate 2A II Residential UPC Forecast (Calendar)

Year	Month	Actual	Pred	Resid	%Resid	StdResid
2027	12		33.235			
2028	1		39.816			
2028	2		38.188			
2028	3		35.157			
2028	4		28.526			
2028	5		23.269			
2028	6		18.434			
2028	7		16.575			
2028	8		16.023			
2028	9		20.606			
2028	10		21.921			
2028	11		28.68			
2028	12		33.235			
2029	1		39.816			
2029	2		38.188			
2029	3		35.157			
2029	4		28.526			
2029	5		23.269			
2029	6		18.434			
2029	7		16.575			
2029	8		16.023			
2029	9		20.606			
2029	10		21.921			
2029	11		28.68			
2029	12		33.235			

Rate 2A II Total Forecast (Calendar)

Year	Month	Forecast_2AII
2019	1	710,020.20
2019	2	618,374.90
2019	3	656,302.10
2019	4	367,157.80
2019	5	225,816.30
2019	6	132,502.80
2019	7	193,297.70
2019	8	-8,842.00
2019	9	104,626.10
2019	10	275,278.80
2019	11	519,388.80
2019	12	612,767.10
2020	1	618,815.80
2020	2	610,144.80
2020	3	494,000.50
2020	4	478,909.90
2020	5	135,402.00
2020	6	79,494.80
2020	7	116,980.10
2020	8	104,845.70
2020	9	115,979.30
2020	10	341,571.10
2020	11	374,068.10
2020	12	543,740.50
2021	1	663,428.00
2021	2	668,344.60
2021	3	462,794.80
2021	4	300,412.10
2021	5	198,844.70
2021	6	128,757.00
2021	7	80,881.10
2021	8	82,170.60
2021	9	106,812.30
2021	10	171,643.70
2021	11	434,646.30
2021	12	542,652.30
2022	1	689,264.20
2022	2	619,429.40
2022	3	524,243.00
2022	4	400,653.10
2022	5	210,872.70
2022	6	112,389.00

Rate 2A II Total Forecast (Calendar)

Year	Month	Forecast_2AII
2022	7	80,771.40
2022	8	84,558.40
2022	9	102,072.90
2022	10	247,537.50
2022	11	396,357.10
2022	12	548,437.40
2023	1	594,092.50
2023	2	452,818.40
2023	3	554,179.40
2023	4	350,685.80
2023	5	175,232.80
2023	6	125,075.10
2023	7	83,175.90
2023	8	95,939.20
2023	9	100,417.50
2023	10	235,619.90
2023	11	383,768.40
2023	12	430,109.40
2024	1	575,052.60
2024	2	489,696.90
2024	3	426,021.60
2024	4	293,566.00
2024	5	155,471.40
2024	6	58,879.80
2024	7	90,561.00
2024	8	82,111.30
2024	9	89,140.20
2024	10	183,962.40
2024	11	337,122.00
2024	12	499,456.90
2025	1	589,733.40
2025	2	603,246.60
2025	3	461,753.40
2025	4	289,557.50
2025	5	182,239.00
2025	6	90,637.30
2025	7	71,766.50
2025	8	74,921.09
2025	9	76,325.56
2025	10	188,221.63
2025	11	401,623.95
2025	12	554,924.41

Rate 2A II Total Forecast (Calendar)

Year	Month	Forecast_2AII
2026	1	643,903.05
2026	2	580,292.49
2026	3	505,933.10
2026	4	335,951.05
2026	5	183,131.56
2026	6	102,193.11
2026	7	95,940.45
2026	8	81,684.97
2026	9	108,775.78
2026	10	238,397.31
2026	11	394,168.16
2026	12	540,547.59
2027	1	627,662.62
2027	2	566,252.71
2027	3	494,204.74
2027	4	328,509.41
2027	5	179,255.49
2027	6	100,128.41
2027	7	94,098.93
2027	8	80,198.13
2027	9	106,902.02
2027	10	234,534.56
2027	11	388,165.22
2027	12	532,826.73
2028	1	619,295.96
2028	2	559,230.90
2028	3	488,520.85
2028	4	325,029.38
2028	5	177,515.19
2028	6	99,243.12
2028	7	93,343.82
2028	8	79,619.61
2028	9	106,214.16
2028	10	233,194.03
2028	11	386,226.46
2028	12	530,539.44
2029	1	617,052.30
2029	2	557,569.11
2029	3	487,377.34
2029	4	324,460.40
2029	5	177,308.66
2029	6	99,184.99

Rate 2A II Total Forecast (Calendar)

Year	Month	Forecast_2AII
2029	7	93,334.29
2029	8	79,650.25
2029	9	106,303.36
2029	10	233,470.66
2029	11	386,831.07
2029	12	531,566.73

The following questions are in reference to Witness Hubbell's direct testimony:

Question DGST-2.1:

Did Staff use sales on an unbilled basis to perform their analysis?

a. If not, why not?

b. If not, why does Staff believe that using a monthly sales forecast that does not correspond to the HDDs for that month is appropriate?

First Supplemental Answer:

Not at the time of creating Staff's testimony, but Staff has now done-so and supplements its original response with the results of the models using unbilled sales as inputs.

a. In Discovery STDG-1.2a, Staff asked the Company whether the inputs to their forecasting model were billed sales or sales on a billed and unbilled basis. The Company responded that the inputs to their models were based on billed sales. Since the Company used billed sales in its model, Staff chose to also use billed sales. Using sales on an unbilled basis as an input to Staff's model, all else equal, results in a similar projected test year forecast. See supplemental attachments U-21973 Rate A Calendar Forecast and U-21973 Rate 2A II Calendar Forecast.

b. As stated in the previous answer, Staff's main consideration in choosing to use billed sales was using the same inputs as the Company.

Respondent: Kristina Hubbell

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.4a

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Exhibit A-13, Schedule C5.4, please further describe the following accounts: 901, 902, 903, 905, 907, 908, 909, 910 and answer the following questions:

a. What do the requested expenditures in each of the accounts consist of?

Answer: Please see attachment U-21973 BMK-1 4a FERC Account Detail for more detail on the expenditures.

Attachment: U-21973 BMK-1.4a FERC Account Detail

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.4b

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Exhibit A-13, Schedule C5.4, please further describe the following accounts: 901, 902, 903, 905, 907, 908, 909, 910 and answer the following questions:

b. Why have projected costs for the test year decreased overall for the total Customer Accounts and Customer Service and Informational Expenses accounts?

Answer: As shown in Exhibit A-13, Schedule C5.4, the drivers of the $3,277 decrease between the Adjusted Historical Test Period of $53,674 and the Projected Test Year of $50,397 are elimination of merchant fees ($5,692), digital investment savings ($1,284), and VSIP savings ($161) offset by inflation $3,860.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.4c

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Exhibit A-13, Schedule C5.4, please further describe the following accounts: 901, 902, 903, 905, 907, 908, 909, 910 and answer the following questions:

c. What is driving the increase in costs for the projected test year for Accounts 901, 902, 903, and 910?

Answer: The primary driver of the increase in costs for the projected test year for Accounts 901, 902, 903, and 910 is inflation as shown in columns (h) - (j) on Exhibit A-13, Schedule C5.4. Inflation is partially offset for account 903 by Digital Investment savings of ($1,284) and VSIP savings of ($161). The sum of these offsets of ($1,445) is shown in column (k), line 5 of Exhibit A-13, Schedule C5.4.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.4d

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Exhibit A-13, Schedule C5.4, please further describe the following accounts: 901, 902, 903, 905, 907, 908, 909, 910 and answer the following questions:

d. How have staffing levels for any of those areas changed? If there are vacant positions in any of these areas, how long have they been vacant and when/why are they projected to be filled?

Answer: The Company does not capture the historical number of employees by FERC account. For total Customer Service headcount, please refer to Part 3 Att 6 (2) page 3 of 4. DTE Gas' share of Customer Service headcount was 324 at 12/31/24 but is expected to temporarily decrease in 2025 to 311 due to a lag in call representative hiring that year. Call representative hiring is expected to continue to drive increases in DTE Gas' share of headcount to 326 at the end of the test period. Open positions are posted and filled timely and do not remain open for extended periods of time.

.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.4e

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Exhibit A-13, Schedule C5.4, please further describe the following accounts: 901, 902, 903, 905, 907, 908, 909, 910 and answer the following questions:

e. How and why have other costs for these accounts increased or decreased from the historic to the test year?

Answer: Please refer to Jason Sparks' testimony for descriptions of these accounts and refer to Exhibit A-13, Schedule C5.4 for a walk from the Adjusted Historical Test Period in column (g) to Projected Test Period in column (m). Please refer to our response to BMK-1.4a for further detail about what is in the accounts as of the Adjusted Historical Test Period.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-1.5

Respondent: J. E. Sparks

Page: 1 of 1

Question: From Company witness Sparks' direct testimony, pg. 23, please further explain how the Contact Center O&M expense is projected to have savings of $1.3 million. What is this projection based on? Which IT capital investments approved in Case Nos. U-21297, U-21534, and U-21860 will these savings result from? What is the reduction of 290,000 calls between 2025 and the first nine months of 2027 based on? How was the cost of $13.02 per call determined?

Answer: Please see the $1.3 million in total DTE savings in the 2027 test period in Exhibit A-22, Schedule L1, page 1, line 5, column (e) of this exhibit. The $1.3 million is based on the projected 2027 call volume reduction of 290,000 calls, versus 2024 year-end call volume, multiplied by the cost per live call of $13.02 as shown on page 2, line 16, columns (g) through (i) and line 26, column (e) multiplied by the DTE Gas portion of these savings of 34%.

The IT capital investments that support these call volume reductions are primarily from the Billing Web Self-Service, MIMO Web Self-Service, and Payment Web Self-Service projects and select use cases from the 2023 and 2024 Advanced Analytics AA Use Cases Implementation projects.

The year-over-year call volume reductions in 2025 through the first nine months of 2027 are determined based on 1) the enhancements and any defect remediation made to our digital self-service solutions that enable customers to complete their request via a digital channel as opposed to calling the Contact Center, and 2) promotion of our digital options to our customers. Together, these two factors increase the customer digital engagement rate.

The total reductions in each year from 2025-2027 are based on anticipated increases in the digital engagement rate and the associated call reductions by transaction.

The 2025-2028 cost per call of $13.02 is based on 2024 actuals and represents a mix of internal and external Contact Center resources.

Attachment: None.

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission — **Case No:** U-21973
DTE Gas Company — **Request:** BMK-1.4a
Customer Service O&M Costs — **Witness:** J. Sparks
($000) — **Page:** 1 of 1

BMK-01 (Q 4a)
($000)

Line 3 (FERC 901)	**Supervision**
Support Staff / Research / Benchmarking	
ST Labor - 1/1/24-12/31/24 Historical Test Period	730
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	623
Adjusted Historical Test Period	1,353
1/1/25-12/31/25 Inflation	41
1/1/26-12/31/26 Inflation	40
1/1/27-9/30/27 Inflation	31
Projected Test Period	**1,466**
Line 4 (FERC 902)	**Meter Reading Expenses**
ST Labor - Office Staff - 1/1/24-12/31/24 Historical Test Period	1,565
Outside Services - Field Meter Reading - 1/1/24-12/31/24 Historical Test Period	3,185
Adjusted Historical Test Period	4,750
1/1/25-12/31/25 Inflation	143
1/1/26-12/31/26 Inflation	142
1/1/27-9/30/27 Inflation	110
Projected Test Period	**5,144**
Line 5 (FERC 903)	**Customer Records and Collection Expenses**
Contact Center Operations	
ST Labor - 1/1/24-12/31/24 Historical Test Period	12,745
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	2,923
Metering, Billing and Exceptions	
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,622
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	5,341
Revenue Management & Protection (RM&P)	
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,300
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	1,509
Digital Experience	
ST Labor - 1/1/24-12/31/24 Historical Test Period	246
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	231
Customer Service Operations Support	
ST Labor - 1/1/24-12/31/24 Historical Test Period	1,487
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	51
Customer Strategy and Reporting	
ST Labor - 1/1/24-12/31/24 Historical Test Period	313
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	18
Normalization Adjustment - Outside Services - Call Vendor costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	231
Normalization Adjustment - Contract Labor - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	167
Normalization Adjustment - Travel/Training/Engagement costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	33
Normalization Adjustment - Deferred hiring	389
Adjusted Historical Test Period	34,606
1/1/25-12/31/25 Inflation	1,038
1/1/26-12/31/26 Inflation	1,033
1/1/27-9/30/27 Inflation	798
Digital Investment - Call center savings	(1,284)
VSIP Savings	(161)
Projected Test Period	**36,030**
Line 6 (FERC 903)	
Customer 360 O&M Amortization	**1,445**
(amortization of C360 Implementation costs)	

Michigan Public Service Commission		**Case No:**	U-21973
DTE Gas Company		**Request:**	BMK-1.4a
Customer Service O&M Costs		**Witness:**	J. Sparks
($000)		**Page:**	1 of 1

Line 7 (FERC 903)	**Customer Collection-Merchant Fees**
N/A Zero balance after Merchant Fee Elimination	**0**
Line 8 (FERC 905)	**Miscellaneous Customer Accounts Expenses**
Metering and Billing	
Misc. A/R billing corrections / adjustments	**1,015**
Line 12 (FERC 907)	**Supervision**
N/A Zero balance after Energy Waste Reduction Program elimination	**0**
Line 13 (FERC 908)	**Customer Assistance Expenses**
ST Labor - 1/1/24-12/31/24 Historical Test Period	1,660
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	1,044
Normalization Adjustment - Disallowed Corporate Memberships	(44)
Adjusted Historical Test Period	2,660
1/1/25-12/31/25 Inflation	80
1/1/26-12/31/26 Inflation	79
1/1/27-9/30/27 Inflation	61
Projected Test Period	**2,880**
Line 14 (FERC 909)	**Informational and Instructional Expenses**
N/A Zero balance after Energy Waste Reduction Program elimination	**0**
Line 15 (FERC 910)	**Miscellaneous Customer Service and Informational Expenses**
Data Analytics	
ST Labor - 1/1/24-12/31/24 Historical Test Period	797
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	11
Customer Experience	
ST Labor - 1/1/24-12/31/24 Historical Test Period	872
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	240
Normalization Adjustment -Customer Outreach - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	311
Adjusted Historical Test Period	2,231
1/1/25-12/31/25 Inflation	67
1/1/26-12/31/26 Inflation	67
1/1/27-9/30/27 Inflation	51
Projected Test Period	**2,416**

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-6.10a

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions pertain to audit responses BMK-1.4a and 1.4b:

a. Please further describe the components of the costs from FERC accounts 901, 902, 903, 905, 908, 910, as detailed in U-21973 BMK-1.4a FERC Account Detail.

Answer: Please see column (c) in the attachment for additional detail on costs.

Attachment: U-21973 BMK-6.10a FERC Account Detail

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-6.10b

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions pertain to audit responses BMK-1.4a and 1.4b:

b. Besides inflation, what other aspects of the costs for those accounts are impacted by cost increases for the test year and why?

Answer: Inflation is intended to be a comprehensive estimate of the various cost increases the organization is expected to experience through 2027 and includes labor, materials, and services. The estimate is designed to incorporate all elements related to rising costs within its scope.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-6.10c

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions pertain to audit responses BMK-1.4a and 1.4b:

c. Is there overlap between staffing, duties, etc for any of the areas of the above-listed FERC accounts? If so, please describe.

Answer: There are instances where this may occur. In such cases, employees allocate their time to the specific organizations they serve, and these associated costs are recorded within the relevant FERC accounts. When an employee divides their time among multiple organizations, their costs are correspondingly distributed across several FERC accounts. Our FERC cost classification accurately represents actual costs for the historic year and provides a reasonable estimate of cost allocation for the test year.

Attachment: None

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission
DTE Gas Company
Customer Service O&M Costs
($000)

Case No: U-21973
Request: BMK-6.10a
Witness: J. Sparks
Page: 1 of 1

(a) **BMK-01 (Q 4a)** **($000)**	(b)	(c)
Line 3 (FERC 901)	**Supervision**	
Support Staff / Research / Benchmarking		
ST Labor - 1/1/24-12/31/24 Historical Test Period	730	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	623	Service costs supporting customer research/surveys/analytics and IT software maintenance
Adjusted Historical Test Period	1,353	
1/1/25-12/31/25 Inflation	41	
1/1/26-12/31/26 Inflation	40	
1/1/27-9/30/27 Inflation	31	
Projected Test Period	**1,466**	
Line 4 (FERC 902)	**Meter Reading Expenses**	
ST Labor - Office Staff - 1/1/24-12/31/24 Historical Test Period	1,565	
Outside Services - Field Meter Reading - 1/1/24-12/31/24 Historical Test Period	3,185	Cost of customer meter O&M and manual meter readings
Adjusted Historical Test Period	4,750	
1/1/25-12/31/25 Inflation	143	
1/1/26-12/31/26 Inflation	142	
1/1/27-9/30/27 Inflation	110	
Projected Test Period	**5,144**	
Line 5 (FERC 903)	**Customer Records and Collection Expenses**	
Contact Center Operations		
ST Labor - 1/1/24-12/31/24 Historical Test Period	12,745	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	2,923	Outside call vendor and telecom costs
Metering, Billing and Exceptions		
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,622	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	5,341	Postage and material costs supporting printing and mailing of bills, billing support consulting.
Revenue Management & Protection (RM&P)		
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,300	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	1,509	Cost of collection agencies, vendors/software to assist with assisting vulnerable customers/managing payment plans, postage, and telecom

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission — **Case No:** U-21973
DTE Gas Company — **Request:** BMK-6.10a
Customer Service O&M Costs — **Witness:** J. Sparks
($000) — **Page:** 1 of 1

Digital Experience		
ST Labor - 1/1/24-12/31/24 Historical Test Period	246	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	231	Digital analytics costs to monitor and improve customer online experiences
Customer Service Operations Support		
ST Labor - 1/1/24-12/31/24 Historical Test Period	1,487	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	51	
Customer Strategy and Reporting		
ST Labor - 1/1/24-12/31/24 Historical Test Period	313	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	18	
Normalization Adjustment - Outside Services - Call Vendor costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	231	
Normalization Adjustment - Contract Labor - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	167	
Normalization Adjustment - Travel/Training/Engagement costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	33	
Normalization Adjustment - Deferred hiring	389	
Adjusted Historical Test Period	34,606	
1/1/25-12/31/25 Inflation	1,038	
1/1/26-12/31/26 Inflation	1,033	
1/1/27-9/30/27 Inflation	798	
Digital Investment - Call center savings	(1,284)	
VSIP Savings	(161)	
Projected Test Period	**36,030**	

Line 6 (FERC 903)

Customer 360 O&M Amortization	**1,445**

(amortization of C360 Implementation costs)

Line 7 (FERC 903) — **Customer Collection-Merchant Fees**

N/A Zero balance after Merchant Fee Elimination	**0**

Line 8 (FERC 905) — **Miscellaneous Customer Accounts Expenses**

Metering and Billing

Misc. A/R billing corrections / adjustments	**1,015**

Line 12 (FERC 907) — **Supervision**

N/A Zero balance after Energy Waste Reduction Program elimination	**0**

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission
DTE Gas Company
Customer Service O&M Costs
($000)

Case No: U-21973
Request: BMK-6.10a
Witness: J. Sparks
Page: 1 of 1

Line 13 (FERC 908)	**Customer Assistance Expenses**	
ST Labor - 1/1/24-12/31/24 Historical Test Period	1,660	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	1,044	Costs to support customer outeach/education and economic development and growth within DTE Gas's territory.
Normalization Adjustment - Disallowed Corporate Memberships	(44)	
Adjusted Historical Test Period	2,660	
1/1/25-12/31/25 Inflation	80	
1/1/26-12/31/26 Inflation	79	
1/1/27-9/30/27 Inflation	61	
Projected Test Period	**2,880**	
Line 14 (FERC 909)	**Informational and Instructional Expenses**	
N/A Zero balance after Energy Waste Reduction Program elimination	**0**	
Line 15 (FERC 910)	**Miscellaneous Customer Service and Informational Expenses**	
Data Analytics		
ST Labor - 1/1/24-12/31/24 Historical Test Period	797	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	11	
Customer Experience		
ST Labor - 1/1/24-12/31/24 Historical Test Period	872	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	240	Costs to support SMS communications to customers and cloud costs
Normalization Adjustment -Customer Outreach - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	311	
Adjusted Historical Test Period	2,231	
1/1/25-12/31/25 Inflation	67	
1/1/26-12/31/26 Inflation	67	
1/1/27-9/30/27 Inflation	51	
Projected Test Period	**2,416**	

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-7.1a

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions pertain to audit responses BMK-1.5, 6.5b and 6.5c:

a. please further describe the duties handled by internal employees versus external call vendors. When and why are external call vendors needed?

Answer: Internal employees and external call vendors both handle customer interactions. DTE leverages external call vendors during peak periods to manage high call volume and maintain desired service levels. For example, during storms, DTE has high volumes of calls and its external call vendors are instrumental in helping DTE manage that volume. Without external call vendors, customers would experience extended wait times.

Attachment: None.

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-7.1b

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions pertain to audit responses BMK-1.5, 6.5b and 6.5c:

b. Is the number of external call vendors anticipated to decrease in 2026 and 2027, and if so, by what amount?

Answer: DTE's digital initiatives are projected to reduce overall call volume by approximately 290,000 between 2024 and 2027. This reduction will be reflected across both internal call center operations and external call handling vendors. As call volumes decline, the number of calls routed to external vendors will decrease proportionally. Despite the reduction, the Company anticipates continued use of external vendors to supplement internal resources. Maintaining this blended model supports cost competitiveness and helps ensure consistent, high-quality customer service.

Attachment: None.

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1a

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

a. Is there any overlap of duties between any staff members – both internal and external – who fall under the "labor" line item for the various categories under FERC account 903, Customer Records and Collection Expenses, specifically the Contact Center Operations, Metering, Billing and Exceptions, Revenue Management and Protection, Digital Experience, Customer Service Operations Support, Customer Strategy and Reporting. If so, please provide detail as to how any overlap in employees between these areas are accounted for.

Answer: There is no overlap of duties, except in the specific temporary circumstance when an employee is transferring between departments and temporarily supporting both their old and new roles. Employees charge their time to the areas where they work. If they are dividing time between areas in a week, they will record their time accordingly.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1b

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

b. Given that the overall projected costs for the test year for FERC account 903, Customer Records and Collection Expenses, is $36,030,000, please provide a breakdown of the projected costs for each of the six areas under this account, showing how the costs are allocated to the different areas/line items.

Answer: See attachment U-21973 BMK-8.1b and 8.1c Breakdown of Projected Costs 903 and 910 for the requested breakdown.

Attachment: U-21973 BMK-8.1b and 8.1c Breakdown of Projected Costs 903 and 910

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1c

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

c. For the FERC account 910, Miscellaneous Customer Service and Informational Expenses, please provide a breakdown of how the total projected test period amount of $2,416,000 is allocated to the two areas within that account and the line items under each area.

Answer: See attachment U-21973 BMK-8.1b and 8.1c Breakdown of Projected Costs 903 and 910 for the requested breakdown.

Attachment: U-21973 BMK-8.1b and 8.1c Breakdown of Projected Costs 903 and 910

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1d

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

d. Please describe the duties and responsibilities of both areas falling under FERC account 910, Miscellaneous Customer Service and Informational Expenses.

Answer: Data Analytics, also known as Customer Service Analytics, is responsible for:

- Providing data analytics support across Customer Service, which includes the design and delivery of data and reports, key customer metrics and dashboards that are utilized by all the groups.
- Performing advanced analytics utilizing tools and methods such as natural language processing, machine-learning, and descriptive and predictive statistical analysis to gain insight into customer behavior and preferences and identify gaps and opportunities to improve customer experience and satisfaction. The analytical and modeling outcomes provided by this team are critical to setting and realizing the organization and the Company's long-term customer satisfaction targets and objectives.

Customer Experience is responsible for:

- Designing, governing, and delivering customer notification communications across DTE's notification platform. This includes ensuring that customers receive accurate, timely, well-written, and consistent messages—such as service updates, outage notifications, billing and payment communications, regulatory notices, transactional confirmations, and other event-based alerts—based on customer-provided permissions and communication preferences
- Monitoring and improving the customer experience through all channels including, Call Representative channel and self service channels. The team is focused on reducing call volume, improving Net Promoter Score, improving FCR (first contact resolution), and improving processes based on the voice of the customer.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1e

Respondent: J. E. Sparks

Page: 1 of 2

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

e. Please describe the duties and responsibilities of each area falling under FERC account 903, Customer Records and Collection Expenses.

Answer: The expenses from the following departments are included in Customer Records and Collection Expenses within FERC account 903. Typical duties and responsibilities for each area include:

- Contact Center Operations
  - Supporting customer-facing activities
  - Handling calls
  - Resolving customer requests and processing their transactions through the call, chat and IVR channels
  - Supporting staff within Contact Center Operations
  - Performing workload management
  - Routing customer calls to the appropriate call queue, and
  - Providing operational support such as call analysis and escalation of calls
- Metering, Billing, and Exceptions:
  - Obtaining manual reads on the Company's meters
  - Billing residential, commercial and industrial customers
  - Printing and mailing customer bills and mailed customer communications
  - Resolving billing exceptions
  - Conducting billing investigations
  - Managing billing programs such as BudgetWise Billing (BWB) and eBill
  - Developing customer billing tools that help customers understand their rates and manage their usage and bill amount
- Revenue Management & Protection (RM&P)
  - Managing credit policies, low-income and energy assistance programs, payment plans, collection-related exceptions, and accounts receivable collection
  - Conducting theft investigations and determining accountability for unauthorized usage

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1e

Respondent: J. E. Sparks

Page: 2 of 2

- Digital Experience
  - Developing and implementing the Company's digital self-service strategy and roadmap to offer customers the ability to easily transact and interact with DTE Energy in their digital channel of choice, including the Website, Interactive Voice Response (IVR) and Virtual Assistants, Mobile App., and Kiosk
  - Monitoring data from digital channels to ensure they are working as expected, such as the volume of digital transactions completed by digital channel, the completion rate of digital transactions, the ease by which customers can complete a digital transaction, and their satisfaction with the digital channel
- Customer Service Operations Support
  - Managing the Quality Management System (QMS) which includes processes and procedures associated with Customer Service
  - Ensuring documented processes are maintained and continually improved so the QMS achieves its intended results
- Customer Strategy and Reporting
  - Performing all the short-and long-term strategic planning and analysis for the Customer Service organization and the enterprise-level Customer Service Excellence Priority Committee
  - Providing analytical and project support for Customer Service and enterprise customer initiatives
  - Developing metric and scorecard reporting for the Customer Service and Customer Service Excellence Priority Committee

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1f

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

f. Please describe the duties and responsibilities of FERC account 901, Supervision.

Answer: Supervision expenses within FERC account 901 include Customer Service leadership and support staff labor expenses. Responsibilities include oversight of employees, development of strategic direction of customer service and metrics to measure accomplishment of customer goals.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1g

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

g. Please describe the duties and responsibilities of FERC account 902, Meter Reading Expenses.

Answer: Expenses within FERC 902 for gas meter reading include a combination of Company labor and vendor services.

Duties and responsibilities include, but are not limited to, the following:

- Gas meter reading field operations
- Route coordination
- Monitoring the adherence of contract terms by the service provider
- Handling weekly service provider billing
- Analyzing meter reading customer satisfaction

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1h

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

h. Please describe the duties and responsibilities of FERC account 908, Customer Assistance Expenses.

Answer: The main components of costs within FERC account 908 are in Community Outreach, Executive Consumer Affairs Center (ECAC) and Customer Research.

Duties and responsibilities in each of these areas include the following:

- Community Outreach:
  - Organizes community forums for customers, especially our most vulnerable, low-income customers, to learn more about and access resources such as energy assistance and energy efficiency that support them to pay or manage their bill
- ECAC:
  - Resolves escalated customer issues that are received from the Michigan Public Service Commission, “I Can Help” (including Media, Government Affairs, Regional Relations, and Employees), Better Business Bureau, the Attorney General, and DTE Energy’s Website
- Customer Research:
  - Responsible for the administration, reporting and benchmarking of internal and external customer satisfaction surveys
  - Conducting customer focus groups and customer interviews, and
  - Performing recurring and ad-hoc customer studies to support development of customer initiatives across Customer Service and the Company

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-8.1i

Respondent: J. E. Sparks

Page: 1 of 1

Question: The following questions all pertain to audit response U-21973 BMK-1.4a FERC Account Detail:

i. Please describe the duties and responsibilities of FERC account 905, Miscellaneous Customer Accounts Expense.

Answer: This account is used to record accounts receivable adjustments between Electric and Gas for combination customer bills. There is no Labor in this account and no employee duties or responsibilities.

Attachment: None.

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission
DTE Gas Company
Customer Service O&M Costs
($000)

Case No: U-21973
Request: BMK-8.1b and 8.1c
Witness: J. Sparks
Page: 1 of 1

(a)	(b)	(c)
Line 5 (FERC 903)	**Customer Records and Collection Expenses**	
Contact Center Operations		
ST Labor - 1/1/24-12/31/24 Historical Test Period	12,745	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	2,923	Outside call vendor and telecom costs
Normalization Adjustment - Outside Services - Call Vendor costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	231	
Normalization Adjustment - Contract Labor - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	111	
Normalization Adjustment - Deferred hiring	389	
Adjusted Historical Test Period	16,401	
1/1/25-12/31/25 Inflation	492	
1/1/26-12/31/26 Inflation	490	
1/1/27-9/30/27 Inflation	378	
Digital Investment - Call center savings	(1,284)	
VSIP Savings	(103)	
Projected Test Period	**16,374**	
Metering, Billing and Exceptions		
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,622	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	5,341	Postage and material costs supporting printing and mailing of bills, billing support consulting.
Adjusted Historical Test Period	9,963	
1/1/25-12/31/25 Inflation	299	
1/1/26-12/31/26 Inflation	298	
1/1/27-9/30/27 Inflation	230	
VSIP Savings	(24)	
Projected Test Period	**10,764**	

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission — **Case No:** U-21973
DTE Gas Company — **Request:** BMK-8.1b and 8.1c
Customer Service O&M Costs — **Witness:** J. Sparks
($000) — **Page:** 1 of 1

Revenue Management & Protection (RM&P)		
ST Labor - 1/1/24-12/31/24 Historical Test Period	4,300	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	1,509	Cost of collection agencies, vendors/software to assist with assisting vulnerable customers/managing payment plans, postage, and telecom
Normalization Adjustment - Contract Labor - costs in 2024 did not return to pre-2023 levels	56	
Adjusted Historical Test Period	5,865	
1/1/25-12/31/25 Inflation	176	
1/1/26-12/31/26 Inflation	175	
1/1/27-9/30/27 Inflation	135	
VSIP Savings	(34)	
Projected Test Period	**6,317**	
Digital Experience		
ST Labor - 1/1/24-12/31/24 Historical Test Period	246	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	231	Digital analytics costs to monitor and improve customer online experiences
Adjusted Historical Test Period	477	
1/1/25-12/31/25 Inflation	14	
1/1/26-12/31/26 Inflation	14	
1/1/27-9/30/27 Inflation	11	
Projected Test Period	**516**	
Customer Service Operations Support		
ST Labor - 1/1/24-12/31/24 Historical Test Period	1,487	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	50	
Adjusted Historical Test Period	1,537	

Michigan Public Service Commission — **Case No:** U-21973
DTE Gas Company — **Request:** BMK-8.1b and 8.1c
Customer Service O&M Costs — **Witness:** J. Sparks
($000) — **Page:** 1 of 1

1/1/25-12/31/25 Inflation	46
1/1/26-12/31/26 Inflation	46
1/1/27-9/30/27 Inflation	35
Projected Test Period	**1,664**

Customer Strategy and Reporting

ST Labor - 1/1/24-12/31/24 Historical Test Period	313
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	18
Normalization Adjustment - Travel/Training/Engagement costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	33
Adjusted Historical Test Period	364
1/1/25-12/31/25 Inflation	11
1/1/26-12/31/26 Inflation	11
1/1/27-9/30/27 Inflation	8
Projected Test Period	**395**
Total Projected Test Period	**36,030**

Line 15 (FERC 910) — **Miscellaneous Customer Service and Informational Expenses**

Data Analytics

ST Labor - 1/1/24-12/31/24 Historical Test Period	797
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	11
Adjusted Historical Test Period	808
1/1/25-12/31/25 Inflation	24
1/1/26-12/31/26 Inflation	24
1/1/27-9/30/27 Inflation	19
Projected Test Period	**875**

U-21860 DAAODE-4.21a (S1) Exhibit A-13 C5.7 FERC Account Detail Projected Test Period

Michigan Public Service Commission — **Case No:** U-21973
DTE Gas Company — **Request:** BMK-8.1b and 8.1c
Customer Service O&M Costs — **Witness:** J. Sparks
($000) — **Page:** 1 of 1

Customer Experience		
ST Labor - 1/1/24-12/31/24 Historical Test Period	872	
Materials / Outside Services - 1/1/24-12/31/24 Historical Test Period	240	Costs to support SMS communications to customers and cloud costs
Normalization Adjustment -Customer Outreach - costs in 2024 did not return to pre-2023 levels. We expect further recovery in 2025.	311	
Adjusted Historical Test Period	1,423	
1/1/25-12/31/25 Inflation	43	
1/1/26-12/31/26 Inflation	43	
1/1/27-9/30/27 Inflation	33	
Projected Test Period	**1,541**	
Total Projected Test Period	**2,416**	

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-9.1

Respondent: J. E. Sparks

Page: 1 of 2

Question: Per audit response BMK-7.3, please further explain how all O&M costs, including labor and outside vendor costs, for FERC accounts 901, 902, 903, 905, 908, 910 are tied to inflation.

Answer: Please refer to the Company's response to BMK-1.4, where Company provided the labor and non-labor costs individually for each FERC account, as well as the inflation expense by time period for each FERC account. The inflation expense is calculated by multiplying the expense in each FERC account by the composite inflation rate calculated by Witness Uzenski. Please also refer to prior audit responses (for example see responses to BMK-8) where the Company has provided even further detail by FERC account as requested as well as extensive descriptions of the duties and responsibilities in those FERC accounts as requested.

In Exhibit A-13, Schedule C12, Witness Uzenski calculates a composite inflation rate. As stated on page 50 of Witness Uzenski's direct testimony, "As shown on Exhibit A-13, Schedule C12, I have calculated a composite inflation rate based on a labor factor and a non-labor factor. The inflation rate of 3% for internal labor is supported by Witness Fix. I used the same rate for contract labor since a portion of our contract workforce are members of the same unions as the DTE union employees. The inflation factor for non-labor costs is based on a consumer price index (CPI)-Urban published by S&P Global Market Intelligence in July 2025. I used the labor and non-labor rates to calculate a composite rate of inflation for 2025, 2026, and 2027 as shown on line 15. The inflation rate for 2027 is prorated for nine months."

As stated in BMK-7.3 all O&M costs in these FERC accounts are tied to inflation. In Exhibit A-13 C5.4, all Adjusted Historical Test Period costs in column (g) are subject to the inflation in columns (h) through (j). This includes Labor and Outside Services. This is appropriate as inflationary increases are applicable to both labor wages and outside vendor costs. The application of inflation to the referenced FERC accounts is consistent with the Company's overall rate case methodology. As stated by Company Witness Shpargel on page 9 of his direct testimony, "DTE Gas has used actual historical data as the starting point in determining most estimated cost levels for the projected test year. Historical costs were then adjusted for the impact of inflation. As

Co-Respondent(s): T. M. Uzenski

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-9.1

Respondent: J. E. Sparks

Page: 2 of 2

has been DTE Gas's practice in prior cases, certain other cost adjustments reflect specific estimates or projections where general impacts of inflation alone would be insufficient to capture known changes.".

Attachment: None

Co-Respondent(s): T. M. Uzenski

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-9.2

Respondent: J. E. Sparks

Page: 1 of 1

Question: Per audit response BMK-7.1a, how many external call vendors are typically deployed during peak periods such as storms? Are external call vendors deployed during standard, non-peak periods and if so, how many?

Answer: DTE utilizes two external call vendors during both storm and non-storm periods. Each call vendor has a staff of call representatives that handle DTE calls. During standard, non-peak periods, external call vendors handle ~30% of DTE's call volume. During a peak period such as a storm, that can vary, but depends greatly on internal staffing active at the time of the event as DTE will fully utilize its internal staff first before sending excess call volume to external vendors. A storm may push external call vendor volume to 40%.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-9.3

Respondent: J. E. Sparks

Page: 1 of 1

Question: Per audit response BMK-7.1b, how many external call vendors does the Company plan to reduce as call volumes decline? How will the Company determine how many internal and external call vendors are needed as call volumes decline?

Answer: The Company plans to utilize two external call vendors going forward. As call volume decreases, the proportional share between internal and external call vendors is expected to decrease proportionally.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-9.4

Respondent: J. E. Sparks

Page: 1 of 1

Question: Per audit response BMK-7.1c, please further describe and break out the $2.9 million in inflation O&M projected for the Contact Center in the test year.

Answer: Labor contributes $1.1M and Material/Outside Services (including External Call Vendors) contributes $0.3M of inflation O&M totaling the $1.4M of Contact Center inflation shared in U-21973 BMK-08.1b and 8.1c Breakdown of Projected Costs 903 and 910.

ST Labor	1098		1/1/25-12/31/25 Inflation	492	
Materials/Outside Services	262		1/1/26-12/31/26 Inflation	490	
			1/1/27-9/30/27 Inflation	378	
	1360		Total Contact Center Inflation	1,360	

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.1

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-9.2, how many call representatives does each external call vendor typically supply? How many call representatives is each vendor projected to supply in 2026 and 2027 during non-storm events, and how many are projected for storm events?

Answer: The Company's external call vendors make the same number of call representatives available regardless of whether there is a storm. The Company's two external call vendors have approximately 90 call representatives each to handle calls. No change is expected in the call representatives available from call vendors between 2024 and 2026/2027.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.2

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account Detail, please further describe the "digital analytics costs to monitor and improve customer online experiences" under Digital Experience, Materials/Outside Services. How will these tasks improve customers' experiences? How will the requested costs specifically be used?

Answer: These costs support the activities described in the response to BMK-8.1e.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.3

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account Detail, please further describe the costs for Materials/Outside Services for Contact Center Operations. What are the telecom costs and outside call vendor costs specified? How will the requested costs specifically be used?

Answer: Contact Center Operations handle over 3 million customer calls annually, utilizing internal staff and external call vendors. Telecom costs are the expenses paid to telecommunications providers to enable the communications and execution of those calls. The duties of external call vendors were previously addressed in response to BMK-7.1a.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.4

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account Detail, what is "billing support consulting" from Materials/Outside Services under Metering, Billing and Exceptions? How will the requested costs specifically be used?

Answer: The Billing Support consulting function provides external resources that enhance operational efficiency and ensure the timely resolution of a wide range of daily back-office billing exceptions. To support this work, the company has engaged resources to perform back-office processing activities. This approach enables consistent coverage, sustains workflow capacity, and helps manage fluctuating volumes more effectively, while maintaining reliable, high-quality service for our customers.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.5

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account Detail, please further describe the costs requested and the support those costs will provide for "customer outreach/education and economic development and growth within DTE Gas's territory" under Materials/Outside Services under Customer Assistance Expenses. How will the requested costs specifically be used?

Answer: Customer outreach/education costs are described in the response to BMK-8.1h. Economic development and growth costs include marketing and site readiness initiatives to position DTE Gas's territory to businesses as an area to move to or expand.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.6

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account Detail, what are the "costs to support SMS communications to customers and cloud costs" under Materials/Outside Services for Customer Experience under Miscellaneous Customer Service and Informational Expenses? How will the requested costs specifically be used?

Answer: These costs support the activities described in the response to BMK-8.1d. SMS communications are part of DTE's notification platform described in that response. Cloud costs refer to the computing costs to support Customer Experience initiatives.

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: BMK-11.7

Respondent: J. E. Sparks

Page: 1 of 1

Question: From audit response BMK-6.10a FERC Account detail, what are the Materials/Outside Services under Customer Service Operations Support, Customer Strategy and Reporting, and Data Analytics? How will the requested costs specifically be used?

Answer: Customer Service Operations Support and Customer Strategy and Reporting costs support the activities described in the response to BMK-8.1e. Data Analytics costs support the activities described in the response to BMK-8.1d.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.1c

Respondent: J. E. Sparks

Page: 1 of 1

Question: The Company offers Low-Income Assistance (LIA) credits of $40 to certain eligible lowincome customers, as described by Witness Sparks.

c. Why has the Company not proposed an increase to the LIA credit in this case?

Answer: In the current proceeding, Case No. U-21973, the Company is not proposing an additional increase to the LIA credit. In determining whether to seek further changes, the Company carefully considered the cumulative impact of prior enhancements, current enrollment levels, and the total cost of low-income assistance programs included in rates. The Company also considered recent increases in funding for the Michigan Energy Assistance Program (MEAP), which provides additional bill payment and arrearage assistance to eligible customers through state-administered programs, and is awaiting further guidance from the Commission regarding recent Percentage of Income Payment Plan (PIPP) pilot collaborations.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.2

Respondent: J. E. Sparks

Page: 1 of 1

Question: The Company proposes to offer Residential Income Assistance (RIA) credits of $15.40 to certain eligible low-income customers, as described by Witness Sparks. The RIA is intended to credit customers for DTE's proposed "gas customer charge" of $15.40. Does the Company calculate the IRM surcharge as part of the monthly customer charge, or is the IRM surcharge a separate charge?

Answer: The IRM is a separate charge.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.3a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks describes the "Payment Assistance Programs" brochure that the Company distributes each year to customers. A copy of DTE's 2025–2026 brochure can be found on the Company's website (available at https://www.dteenergy.com/content/dam/dteenergy/deg/website/common/billing-and-payment/manage-your-account/bill-inserts/PaymentAssistancePrograms2025-2026.pdf).

a. Does DTE distribute the brochure to every residential customer? If not, to which customers does DTE distribute the brochure?

Answer: The Payment Assistance Programs brochure is available on the website and is also sent to all residential customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.3b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks describes the "Payment Assistance Programs" brochure that the Company distributes each year to customers. A copy of DTE's 2025–2026 brochure can be found on the Company's website (available at https://www.dteenergy.com/content/dam/dteenergy/deg/website/common/billing-and-payment/manage-your-account/bill-inserts/PaymentAssistancePrograms2025-2026.pdf).

b. Is it correct that the LIA credit is not listed in the 2025–2026 brochure as an option? If so, why was the LIA credit not included?

Answer: Unlike the Residential Income Assistance Credit (RIA), the LIA credit is available to a capped number of low-income customers at or below 150% FPL, and the Company prioritizes application to eligible customers enrolled in LSP, so it is not listed in the brochure nor on the website.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.3c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks describes the "Payment Assistance Programs" brochure that the Company distributes each year to customers. A copy of DTE's 2025–2026 brochure can be found on the Company's website (available at https://www.dteenergy.com/content/dam/dteenergy/deg/website/common/billing-and-payment/manage-your-account/bill-inserts/PaymentAssistancePrograms2025-2026.pdf).

c. On the Company's "Low-Income Programs" website (available at https://www.dteenergy.com/us/en/business/billing-and-payments/energy-assistance/low-income-programs.html), is it correct that the LIA credit is not listed as an option? If so, why was the LIA credit not included?

Answer: See response to FLODG-5.3b

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.4a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that DTE hosts Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs).

a. Please provide a spreadsheet listing the number of CADs and CRFs that occurred in 2023, 2024, 2025, and 2026 (so far), broken down by type (CAD vs. CFR), year, and format (virtual vs. in-person).

Answer: For 2026, certain Customer Assistance and Customer Resource Fair activities are pending confirmation as of the date of this response and therefore are not reflected in the spreadsheet provided. The attachment includes only events that have occurred or have been confirmed to date.

The Company has scheduled multiple in-person Customer Assistance events, including Customer Mobile Office deployments, and is also planning additional Customer Resource Fairs. Including 10 at Northwest Activity Center (NWAC) and 10 at the Ford Resource Center East, with additional events pending confirmation. The Company also is working on a proposed six Customer Resource Fairs across our service territory. See attachment for historical 2023-2025 and 2026 confirmed.

Attachment: U-21973 FLODG-5.4 2023-2026 CAD CRF Pop Ups

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.4b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that DTE hosts Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs).

b. Please provide a spreadsheet listing the number of CADs and CRFs that the Company plans to hold in 2026, broken down by type (CAD vs. CFR), year, and format (virtual vs. in-person).

Answer: See response to FLODG-5.4a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.4c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that DTE hosts Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs).

c. For each past and future planned CRF and CAD between 2023–2026, please provide the location, date, and time.

Answer: See response to FLODG-5.4a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.4d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that DTE hosts Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs).

d. For one of the virtual CADs that the Company offered in 2025, please provide the transcript as well as any slide deck or documents shared with customers during the event.

Answer: There were no virtual Customer Assistance Days (CADs) or Customer Resource Fairs (CRF's) that were offered in 2025, as such there are no transcripts, slide decks, or related materials.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.4e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that DTE hosts Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs).

e. Please describe how, including through what means and at what frequency, the Company communicates upcoming CAD and CRF events to customers. If separate outreach strategies are used for CADs compared to CRFs, please describe the differences.

Answer: The Company communicates upcoming Customer Assistance Days (CADs) and Customer Resource Fairs (CRFs) through multiple outreach channels to ensure broad awareness and accessibility.

Outreach efforts include social media posts, internal newsflashes, and information posted on the Company's website, which is updated on a regular basis as events are confirmed. The Company also works closely with Regional Managers to distribute event information throughout the community using established local relationships and networks. In addition, partnering host locations are encouraged to promote the events directly to their constituents through their own communication channels

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.5

Respondent: J. E. Sparks

Page: 1 of 1

Question: Witness Sparks states that "[c]ustomers who become enrolled in the LSP program are also enrolled to receive the LIA credit[.]" Please provide the monthly LIA customer count for 2022–2025, broken down by LSP and non-LSP customers.

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.5 LIA-LSP and NonLSP

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

a. On the BudgetWise webpage, the Company appears to calculate customers' Estimated Monthly Payment by taking the annual bill from the previous year and dividing it by 12. Is this how the Company calculates monthly payments under the BudgetWise program? If yes, does this methodology change when a customer enrolls in the middle of the year? If so, how?

Answer: Yes, that is how the Company calculates monthly BudgetWise Billing Program payments**.** The calculation is consistent regardless of the time of program enrollment.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

b. Please describe how this program is advertised to customers.

Answer: The BudgetWise Billing Program is advertised in the Rights and Responsibilities guide which is distributed as part of the new customer welcome mailing. On occasion, BudgetWise Billing may also be included in eBlast or Customer Connection emails when advertising other company offered programs. See attached examples from previous mailings:

Attachment: U-21973 FLODG-5.6b 01 Rights and Responsibilities Brochure_BWB Insert
U-21973 FLODG-5.6b 02 New Customer eBlast

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

c. May a customer that is new to DTE Gas enroll in BudgetWise? If yes, please describe which sample twelve (12) months the Company would use to calculate that new customer's bill or otherwise how the Company would calculate a new customer's bill.

Answer: Yes, all new customers that meet eligibility are eligible to enroll in the BudgetWise Billing Program. However, if the customer has not established 12 months of premise history, the customer is advised that the previous premise history will be utilized to establish a budget plan amount for that customer, which could be lower or higher than what their actual usage may be. Therefore, we encourage the customer to establish 12 months of history at the premise based on their own usage history for a more accurate plan amount.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

d. On the BudgetWise webpage, the Company states "We review your energy usage every three months to determine if your monthly amount needs to be adjusted." What formula or methodology does the Company use to determine adjustments to a bill during quarterly review?

Answer: Every three months, the Company uses the last rolling-12 months of the customer's energy usage to determine if they are using more or less energy as compared to the last quarterly adjustment amount. If their average usage has increased or decreased by 10%, the customer's BudgetWise Billing plan amount will be adjusted accordingly.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

e. How does the methodology of determining any overcharge or undercharge during the settlement month differ from quarterly review?

Answer: The quarterly adjustment review process reviews the customer's premise usage for the last rolling-12 months to establish the plan amount for the upcoming 3 months. During the settlement process, a calculation is made to compare the difference between the customer's actual usage in the last 12 months and what they paid during the last 12 months of their plan.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.6f

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please refer to the Company's webpage on BudgetWise billing. (available at https://www.dteenergy.com/us/en/business/billing-and-payments/payment-programs/budget-wise-billing.html).

f. What happens to a customer who is enrolled in the BudgetWise program but is unable to meet the settled difference if the program undercharged?

Answer: During the settlement month, if the customer has a debit balance owing, the balance will have to be paid by the settlement due date. If the customer is unable to pay the balance by the due date, the customer will not automatically be re-enrolled in the BudgetWise Billing Program.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.7

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide a copy of any emails, flyers, transcripts of phone calls, billboards, or any other means of advertisement the Company uses to inform customers about BudgetWise billing.

Answer: The Company does not make outbound marketing calls to customers to promote the BudgetWise Billing Program. See response to FLODG-5.6b

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.8a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please enumerate all means by which a customer may:

a. Enroll in the BudgetWise Program.

Answer: The customer can enroll by calling the Contact Center or by enrolling in the Web or Mobile App.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.8b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please enumerate all means by which a customer may:

b. Opt-out of the BudgetWise Program.

Answer: The customer can un-enroll by calling the Contact Center or by unenrolling in the Web or Mobile App.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9a

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a “customer service representative” refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers’ questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A “contractor” refers to any entity that is not DTE that provides goods or services to DTE. A “script” refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

a. How many customer service representatives does DTE currently employ, directly or through contractors? Please provide answers for both full-time and part-time employees, and provide separate answers for customer service representatives employed directly by the Company and for those employed through contractors.

Answer: As of 1/31/26, DTE employed 382 customer service representatives. DTE Gas’s share of this number is 134. In addition, DTE Gas utilizes two outside call vendors that each make available 90 total call representatives. Of this, DTE Gas’s share is 32 at each vendor.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9b

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a "customer service representative" refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers' questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A "contractor" refers to any entity that is not DTE that provides goods or services to DTE. A "script" refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

b. Does DTE analyze, track, and/or review the wait time for customers to speak to a customer service representative? If so, please provide all information collected by DTE relating to customer wait times in the past 5 years, as well as any analysis conducted by DTE relating to customer wait times.

Answer: Yes, the Company measures the MPSC Average Speed of Answer (ASA) metric, which is the time a call is transferred by the IVR and enters the queue to the time the call is answered by a customer service representative. The MPSC mandates that Year-To-Date (YTD) ASA to be less than or equal to 90 seconds.

	2021	2022	2023	2024	2025
MPSC Year end ASA (seconds)	52	27	64	50	12

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9c

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a "customer service representative" refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers' questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A "contractor" refers to any entity that is not DTE that provides goods or services to DTE. A "script" refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

c. If they exist, please provide any scripts that contain information or sample responses for how to respond to customer inquiries into delaying a shutoff or canceling a shutoff.

Answer: DTE Gas objects for the reason that the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of admissible evidence. Additionally, DTE Gas objects for the reason that the information requested consists of confidential, proprietary, research and development of trade secrets, or commercial information, the disclosure of which would cause DTE Gas, its ratepayers, and its customers competitive harm. Subject to this objection, and without waiving this objection, DTE Gas would answer as follows:

See attachments for response.

Attachment: NDA U-21973 FLODG-5.9c (1) JA-CS-CHND-010-09 NOI Talking Points
NDA U-21973 FLODG-5.9c (2) SWI-CS-CHND-004 Call Handling

Co-Respondent(s): Legal

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9d

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a “customer service representative” refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers’ questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A “contractor” refers to any entity that is not DTE that provides goods or services to DTE. A “script” refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

d. If they exist, please provide any scripts that contain information or sample responses for how to respond to customer inquiries into payment assistance programs.

Answer: There are no scripts available for responding to inquiries about payment assistance programs.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9e

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a "customer service representative" refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers' questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A "contractor" refers to any entity that is not DTE that provides goods or services to DTE. A "script" refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

e. Are customer service representatives instructed to provide information on non-DTE run payment assistance programs? If so, please note which non-DTE payment assistance programs customer service representatives are instructed to discuss. If not, please explain why not.

Answer: Customer service representatives are instructed to provide information on non-DTE run payment assistance programs. They are advised to discuss and may include the following programs:

- State Emergency Relief (SER)
- Home Heating Credits (HHC)
- Agency funding
- Michigan Energy Assistance Program
- MI Bridges web portal

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.9f

Respondent: J. E. Sparks

Page: 1 of 1

Question: For the purposes of this question, a “customer service representative” refers to any person, employed by either DTE directly or through a 3rd party contractor, that answers customers’ questions, comments, complaints, or other discrete feedback related to an issue with their utility, and does so via phone, live chat, email, mail, or other similar communication. A “contractor” refers to any entity that is not DTE that provides goods or services to DTE. A “script” refers to any pre-written response that customer service representatives are instructed to read, type, or write in response to a given customer question, comment, or other input.

f. Please provide a copy of any scripts, instructions, training materials, or other documents provided to customer service representatives regarding payment assistance programs operated or managed by entities other than DTE.

Answer: DTE Gas objects for the reason that the information requested consists of confidential, proprietary, research and development of trade secrets, or commercial information, the disclosure of which would cause DTE Gas, its ratepayers, and its customers competitive harm. Subject to this objection, and without waiving this objection, DTE Gas would answer as follows**:**

See attachments for response.

Attachment: NDA U-21973 FLODG-5.9f (1) JA-CS-COLL-035 Call Handling Assist Tool
NDA U-21973 FLODG-5.9f (2) JA-CS-CHND-010-12 Bill Insert

Co-Respondent(s): Legal

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.10a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide copies of no less than ten (10) but no more than thirty (30) actual shutoff notices sent to residential customers of DTE since June 2023, with any personally identifiable information redacted as necessary. Indicate on these documents which information is generic to all customers who receive a notice and which information is specific to individual customers. To the extent that DTE issues shutoff notices to customers under different facts or circumstances pertaining to the individual customer, please ensure that the documents provided are illustrative of these differences. Of these documents, please provide at least three from the months of December 2024 or January 2025.

a. For each shutoff notice, please explain the facts or circumstances that DTE relied on to determine that a shutoff notice was necessary.

Answer: DTE Gas objects for the reason that the information requested is not relevant, nor is it reasonably calculated to lead to the discovery of admissible evidence. Subject to this objection, and without waiving this objection, DTE Gas would answer as follows:
DTE follows the Billing Practice Rules as issued by the Michigan Public Service Commission as stated in Rule 37. (R 460.137). See attachment for sample invoices.

Attachment: U-21973 FLODG-5.10a Residential Shutoff Invoices

Co-Respondent(s): Legal

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.10b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide copies of no less than ten (10) but no more than thirty (30) actual shutoff notices sent to residential customers of DTE since June 2023, with any personally identifiable information redacted as necessary. Indicate on these documents which information is generic to all customers who receive a notice and which information is specific to individual customers. To the extent that DTE issues shutoff notices to customers under different facts or circumstances pertaining to the individual customer, please ensure that the documents provided are illustrative of these differences. Of these documents, please provide at least three from the months of December 2024 or January 2025.

b. For each shutoff notice, please explain what the specific customer could have done to avoid shutoff.

Answer: Residential customer bills contain information on what customers can do to avoid any pending shut-off including pathways to energy assistance in compliance with the Billing Practice Rules. Additionally, see response and attachment to FLODG-5.10a.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.10c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide copies of no less than ten (10) but no more than thirty (30) actual shutoff notices sent to residential customers of DTE since June 2023, with any personally identifiable information redacted as necessary. Indicate on these documents which information is generic to all customers who receive a notice and which information is specific to individual customers. To the extent that DTE issues shutoff notices to customers under different facts or circumstances pertaining to the individual customer, please ensure that the documents provided are illustrative of these differences. Of these documents, please provide at least three from the months of December 2024 or January 2025.

c. To the extent that DTE's criteria for issuing shutoff notices for specific customers differ between the shutoff notices provided, explain why the criteria differ.

Answer: DTE follows the Billing Practice Rules as issued by the Michigan Public Service Commission as stated in Rule 37. (R 460.137) and does not differentiate among customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.11a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the relevant policy, procedures, terms, and conditions governing how and when DTE will issue a shutoff notice and disconnect a residential customer.

a. Describe the extent to which past due amounts, number of days late, and payment history are factors in a disconnection decision. If all or some of these factors are considered, please describe how they are weighed in relation to one another.

Answer: DTE follows the Billing Practice Rules as issued by the Michigan Public Service Commission as stated in Rule 37. (R 460.137 and 138) and does not differentiate among customers regarding number of days late or payment history.

DTE will issue a shut off notice to all residential accounts with past due energy charges balance greater than $100.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.11b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the relevant policy, procedures, terms, and conditions governing how and when DTE will issue a shutoff notice and disconnect a residential customer.

b. Does the Company make individualized decisions on whether to issue a shutoff notice to a customer based on factors specific to each customer, or does the Company evaluate whether to issue a shutoff notice to a given customer based on a fixed set of criteria? If the Company uses a mix of both methods, please describe how it does so. If the Company uses an individualized method, please describe how shutoff notice decisions are determined in individual cases.

Answer: See response FLODG-5.11a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12a

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

a. All residential customers;

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.12 Disconnect Counts

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12b

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

b. Low-income customers;

Answer: See response to FLODG-5.12a.

Attachment: None.

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12c

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

c. Customers participating in payment management plans (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.12a.

Attachment: None.

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12d

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

d. Customers participating in EWR programs (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.12a.

Attachment: None.

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12e

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

e. Customers participating in arrearage management plans (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.12a.

Attachment: None.

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.12f

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE disconnected once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

f. Customers with payment restrictions (organized by cause of the payment restriction).

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.12 Disconnect Counts

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13a

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

a. All residential customers;

Answer: This data represents fees that were assessed but not necessarily collected**.** See attachment for response.

Attachment: U-21973 FLODG-5.13 Reconnection Fees

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13b

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

b. Low-income customers;

Answer: See response to FLODG-5.13a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13c

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

c. Customers participating in payment management plans (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.13a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13d

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

d. Customers participating in EWR programs (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.13a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13e

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

e. Customers participating in arrearage management plans (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.13a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.13f

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers who paid DTE Gas reconnection fees, broken down by the number of times the customers have paid the reconnection fees. For example, please separate those customers who paid 1 reconnection fee in 2025 from those who paid 2 reconnection fees. Please also provide a breakdown by:

f. Customers with payment restrictions (organized by cause of the payment restriction).

Answer: See response to FLODG-5.13a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.14

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please state the total amount of money received by DTE Gas through reconnection fees.

Answer:

	2024	2025
Gas Reconnect Fee	$107,630	$149,380

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.15

Respondent: J. E. Sparks

Page: 1 of 1

Question: For each month of 2024 and 2025, please provide the number of residential customers that DTE shut off gas service to. For each month, please include the average arrears for disconnected customers at the time of disconnection.

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.15 Disconnect Arrears

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.16

Respondent: J. E. Sparks

Page: 1 of 1

Question: For each month of 2024 and 2025, please provide the number of disconnected residential service who paid to have gas service returned to their homes.

Answer: The chart below shows the residential gas restores that were disconnected and paid to have their service returned.

	2024	2025
Jan	125	186
Feb	343	409
Mar	324	575
Apr	201	294
May	287	339
Jun	228	322
Jul	264	233
Aug	277	327
Sep	312	483
Oct	358	523
Nov	219	390
Dec	101	218
Total	**3,039**	**4,299**

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17a

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

a. All residential customers;

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.17 Shutoff Notifications

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17b

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

b. Low-income customers;

Answer: See response to FLODG-5.17a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17c

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

c. Customers participating in payment management plans (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.17a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17d

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

d. Customers participating in EWR programs (organized by type of plan, program, or pilot);

Answer: See response to FLODG-5.17a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17e

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

e. Customers participating in arrearage management plans (organized by type of plan, program, or pilot).

Answer: See response to FLODG-5.17a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.17f

Respondent: J. E. Sparks

Page: 1 of 1

Question: For 2024 and 2025, please provide the number of residential customers DTE issued shutoff notices to once, twice, three times, four times, and five or more times during each year. Provide a breakdown by:

f. Customers with payment restrictions (organized by cause of the payment restriction).

Answer: See response to FLODG-5.17a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.18ai-iii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Does DTE use an algorithm, software, or similar automated process to determine DTE's collection and disconnection actions for individual residential customers?

a. If yes, please provide

i. The name of the algorithm, software, or similar automated process;

ii. The name of the company that provided it; and

iii. Whether it is commercially available (i.e., nonproprietary).

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.18bi-viii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Does DTE use an algorithm, software, or similar automated process to determine DTE's collection and disconnection actions for individual residential customers?

b. If yes, describe how the algorithm, software, or similar automated process uses the following in determining the collection and disconnection actions that should be taken for individual residential customers:

i. Number or frequency of disconnection notices.

ii. Number or frequency of disconnections.

iii. Amount (in dollars) owed on a payment plan.

iv. Type of payment plans in which the customer is enrolled. If yes, please describe how this factor is considered.

v. Amount (in dollars) of late fees.

vi. Amount (in dollars) of reconnection fees.

vii. Amount (in dollars) of deposits.

viii. Other factors. If yes, please describe the other factors considered.

Answer: See response to FLODG-5.18ai-iii

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.18ci-vii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Does DTE use an algorithm, software, or similar automated process to determine DTE's collection and disconnection actions for individual residential customers?

c. If yes, describe how the algorithm, software, or similar automated process uses the following in determining the collection and disconnection actions that should be taken for individual residential customers:

i. Credit scores.

ii. Customer location, including but not limited to zip code.

iii. Customer history of payments, payment plans, arrearages, disconnections.

iv. Customer participation in EWR programs.

v. Customer participation in affordability or disconnection protection

vi. programs.

vii. Other factors. If the algorithm, software, or other similar automated process does consider other factors, please describe the other factors considered.

Answer: See response to FLODG-5.18ai-iii

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19a

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

a. Does DTE Gas require deposits from customers who are issued shutoff notices? If so, please provide the criteria for determining which customers must make deposits.

Answer: The Company refers to the MPSC Rules to determine the amount of deposit required for a customer. This rule only applies to non-residential customers. The specific rule for non-residential deposits in section “R460.111a General deposit conditions for non-residential customers.” is listed below:

- Rule 11a (1)(d)

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19b

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

b. If DTE Gas requires deposits, please state the Company's process for determining the amount of a deposit required for a customer to reconnect to service once the minimum payment, reconnection, and late fees have been paid.

Answer: The Company calculates the deposit required for a non-residential customer based on the following MPSC rules:

- Rule 11a (2)
- Rule 11a (3)

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19c

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

c. Does DTE ever require new customers to pay a deposit? Please answer for both customers who have never had an account with DTE, as well as customers who have had an account but have moved to a different address.

Answer: The Company may require new customers to pay a deposit as allowed by the Billing Practice Rules (see rule 11a(1)(d)).

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19d

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

d. If DTE does require any new customers to pay a deposit, what is DTE's process for determining the amount of any deposit required for new customers, and how is it distinct (if at all) from the Company's process for customers with a history of, for example, twelve (12) or more months of gas service with the Company?

Answer: The Company calculates deposits for nonresidential customers using the guidance in rule 11a (2) and 11a(3). The calculation of the required deposit is the same for new or existing customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19e

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

e. Michigan Administrative Code Rule 460.111a(4) states: “A utility may retain a deposit for nonresidential service until the customer accrues a record of 12 continuous months of bill payment on or before the due date.”8 Please provide the number of residential customers for which DTE retained a deposit for each year between 2020 and 2025. Please provide this data at the finest resolution available (census tract preferred, followed by zip code, then county).

Answer: Assuming that the question refers to a non-residential rule for residential accounts, the answer would be zero**.**

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19f

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

f. What is the total dollar value of the residential customer deposits that DTE retained for each year between 2020 and 2025?

Answer: See response to FLODG-5.19e.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.19g

Respondent: J. E. Sparks

Page: 1 of 1

Question: MPSC rules allow the Company to require a deposit from a customer to continue energy service if two or more shutoff notices are issued in a 12-month period.

g. Michigan Administrative Code Rule 460.105 states: “A utility may adopt additional rules governing relations with its customers that are reasonable and necessary and that are consistent with these rules. The utility's rules shall be an integral part of its tariffs . . .”9 To the extent that it exists, please provide a copy of the text of the Company’s tariff that specifically addresses any rules or guidelines related to residential customer deposits or credits.

Answer: DTE Gas’s rate book incorporates the administrative code rules by reference in section B of its rate book. DTE does not provide any other information about residential customer deposits in its tariffs. The reference can be found on Sheet No. B-4.00 of DTE Gas’s rate book.
Link to DTE Gas's Rate Book

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.20a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide a breakdown of the distribution of residential customer deposit amounts for each year between 2022 and 2025. Please provide all of the following information that is available:

a. Median deposit;

Answer:

	2020	2021	2022	2023	2024	2025
Median Deposit	$181	$181	$170	$168	$170	$176

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.20b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide a breakdown of the distribution of residential customer deposit amounts for each year between 2022 and 2025. Please provide all of the following information that is available:

b. Deposit amounts by decile;

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.20 Deposits Decile Quintile Quartile

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.20c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide a breakdown of the distribution of residential customer deposit amounts for each year between 2022 and 2025. Please provide all of the following information that is available:

c. Deposit amounts by quintile; and

Answer: See response to FLODG-5.20b.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.20d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide a breakdown of the distribution of residential customer deposit amounts for each year between 2022 and 2025. Please provide all of the following information that is available:

d. Deposit amounts by quartile.

Answer: See response to FLODG-5.20b.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.21ai

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding residential customer deposits and interest payments:

a. Does DTE track customer deposits and interest payments by any of the following characteristics?

i. Location (e.g., county, zip code, census tract);

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.21aii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding residential customer deposits and interest payments:

a. Does DTE track customer deposits and interest payments by any of the following characteristics?

ii. Enrollment in:

1. Energy assistance programs;

2. Energy waste reduction programs;

3. Affordable payment programs; or

4. Other rates or credits specifically available to low-income customers;

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.21aiii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding residential customer deposits and interest payments:

a. Does DTE track customer deposits and interest payments by any of the following characteristics?

iii. Low-income status; or

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.21aiv

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding residential customer deposits and interest payments:

a. Does DTE track customer deposits and interest payments by any of the following characteristics?

iv. Whether customers are ages sixty-five (65) or older.

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.21b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding residential customer deposits and interest payments:

b. If the answer to any of the above questions in 8a is yes, please provide associated data and reports for each year between 2023 and 2025.

Answer: Not applicable since the answers to the previous responses are no.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.22ai

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding DTE's analysis of any deposits and interest payments resulting from a disconnection:

a. Can DTE's existing software produce reports to assess deposits and interest payments by a customer's:

i. Location (e.g., county, zip code, census tract);

Answer: No.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.22aii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding DTE's analysis of any deposits and interest payments resulting from a disconnection:

a. Can DTE's existing software produce reports to assess deposits and interest payments by a customer's:

ii. Enrollment in:

1. Energy assistance programs;

2. Energy waste reduction programs;

3. Affordable payment programs; or

4. Other rates or credits specifically available to low-income customers;

Answer: No, existing software does not produce reports to assess deposits and interest payments by energy assistance, EWR, APP, or other rates and credits specifically available to low-income customers. Additionally the Company does not assess deposits on low-income customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.22aiii

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding DTE's analysis of any deposits and interest payments resulting from a disconnection:

a. Can DTE's existing software produce reports to assess deposits and interest payments by a customer's:

iii. Low-income status; or

Answer: The Company does not assess deposits on low-income customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.22aiv

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding DTE's analysis of any deposits and interest payments resulting from a disconnection:

a. Can DTE's existing software produce reports to assess deposits and interest payments by a customer's:

iv. Whether customers are ages sixty-five (65) or older.

Answer: No, current reports that exist do not report deposits and interest payments by a customer's age.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.22b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Regarding DTE's analysis of any deposits and interest payments resulting from a disconnection:

b. If the answer to question 9a is yes, please provide a copy of any reports or data analysis completed by the Company in the last three (3) years.

Answer: Not applicable.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.23

Respondent: J. E. Sparks

Page: 1 of 1

Question: As required by Michigan Administrative Code Rule 460.111a(8), utilities must provide an applicant or customer with "a receipt for the deposit and instructions regarding how a customer who is entitled to the return of the deposit may obtain it."10 Please provide no less than ten (10) and no more than thirty (30) examples of written customer receipts for deposits and the instructions regarding how a customer who is entitled to a return of their deposit may obtain the deposit. Any confidential customer information should be redacted as necessary.

Answer: See attachment for response.

Attachment: U-29173 FLODG-5.23 Receipts for Deposits

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.24a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Michigan law states that "[a] utility shall pay interest at the rate of 5% per annum on all deposits for nonresidential service. A utility shall credit interest semiannually to the customer's service account or pay it upon the return of the deposit, whichever occurs first." Michigan Administrative Code Rule 460.111a(9) also states: "The utility shall make reasonable efforts to locate customers due unclaimed deposits and credits for nonresidential service."

a. Please describe the Company's efforts to locate customers with unclaimed credits.

Answer: After an account is closed and the final bill is produced, the Company will wait 60 days before issuing a refund in case the customer moves into a new address. If the customer moves into a new address within the 60 days, we will balance transfer the credit to their new account. If the 60 days have gone by and the customer has not moved into a new address, DTE will issue a refund check and send it to the mailing address on record. If the check is returned, the credit will be re-instated to the customer's account and the escheatment team will manage the next steps as it relates to unclaimed deposit credits.

The Michigan Uniform Unclaimed Property Act includes the escheatment rules for uncashed checks/credits on accounts for non-municipal utility refunds. When credits approach the 3-year dormancy period, a letter is sent to customers to try to verify mailing address as part of external due diligence, and for those customers that reply and verify their information, a check is issued. For those that do not reply, the funds are escheated to the State of Michigan.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.24b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Michigan law states that "[a] utility shall pay interest at the rate of 5% per annum on all deposits for nonresidential service. A utility shall credit interest semiannually to the customer's service account or pay it upon the return of the deposit, whichever occurs first." Michigan Administrative Code Rule 460.111a(9) also states: "The utility shall make reasonable efforts to locate customers due unclaimed deposits and credits for nonresidential service."

b. Provide the number and dollar amount of unclaimed credits that DTE is holding, organized by the year in which DTE recorded them as unclaimed.

Answer: The Company does not track deposits separately from other recorded unclaimed credit types, so this information is not available.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.25

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the total dollar amount that DTE Gas projects to spend on conducting shutoffs, by year, for 2026–2030.

Answer: DTE Gas projects costs of $2.67M in 2026 and $2.75M in 2027 to conduct shut-offs. Cost projections for 2028-2030 are not available.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

a. Please provide the number of customers applying for and receiving their first exemption under the medical emergency shutoff protections pursuant to Mich. Admin. Code R. 460.130. Please provide the data by month, since January 2020, or as far back as data are available if later than 2020. Provide the data in unlocked.csv format or .xlsx format with native formulas intact.

Answer: Data set available for January 2023-December 2025. See attachment for response.

Attachment: U-21973 FLODG-5.26 Shutoff Protections Exemptions

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

b. Please provide the number of customers applying for and receiving their second exemption under the medical emergency shutoff protections pursuant to Mich. Admin. Code R. 460.130. Please provide the data by month, since January 2020, or as far back as data are available if later than 2020. Provide the data in unlocked.csv format or .xlsx format with native formulas intact.

Answer: See response for FLODG-26a.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

c. Please provide the number of customers applying for and receiving their third exemption under the medical emergency shutoff protections pursuant to Mich. Admin. Code R. 460.130. Please provide the data by month, since January 2020, or as far back as data are available if later than 2020. Provide the data in unlocked.csv format or .xlsx format with native formulas intact.

Answer: See response for FLODG-26a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

d. Please provide the number of customers applying for and receiving critical care protection, by month, since January 2020 or as far back as data are available if later than 2020. Provide the data in unlocked .csv format or .xlsx format with native formulas intact.

Answer: See response for FLODG-26a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

e. Please provide the number of customers applying for and receiving protection for customers on active military duty, by month, since January 2020 or as far back as data are available if later than 2020. Provide the data in unlocked .csv format or .xlsx format with native formulas intact.

Answer: See response for FLODG-26a

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.26f

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the following information about shutoff protections provided by DTE Gas.

f. Please provide the number of customers applying for and receiving other protections, by month, since January 2020 or as far back as data are available if later than 2020. Provide the data in unlocked .csv format or .xlsx format with native formulas intact.

Answer: Not applicable.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.27

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please state the number of DTE Gas customers who use gas for kitchen appliances, in addition to heating. If the number is not known, please provide any internal DTE Gas estimates.

Answer: DTE Gas does not know the number of customers that use gas for kitchen appliances in addition to heating. DTE Gas does not have any internal estimates regarding the number of such customers.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.28

Respondent: J. E. Sparks

Page: 1 of 1

Question: Does DTE Gas consider whether someone also uses gas for cooking when deciding to shut off a customer's gas?

Answer: DTE follows the Billing Practice Rules as issued by the Michigan Public Service Commission as stated in Rule 37. (R 460.137).

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.29

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please list every shutoff protection program that DTE Gas offers.

Answer: In addition to those in the MPSC Billing Rules, the Company provides the following:

- Winter Protection Plan (WPP), which provides shut off protection for low-income customers during the heating season starting November 1, and ending March 31 annually. Customers make monthly payments equal to 7% of their estimated annual consumption. After March 31, any unpaid balance is spread out in installments from April through November.

- Shutoff Protection Plan (SPP), which provides year round shut-off protection for seniors and customers at or below 200% FPL that meet or exceed the WPP guidance

- Senior Winter Protection Plan protects customers aged 65+ from disconnects during the heating season.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

a. Please explain what makes a customer eligible for the Winter Protection Plan.

Answer: See response to FLODG-5.29.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

b. In its attachment provided in response to AGMECCUBDG-2.1a (AGMECCUBDG-2.1-2.8-01), DTE Gas describes the number of "combination gas and electric customers for each month" who are enrolled in the Winter Protection Plan. Does this exclude customers who only use DTE for electricity service and not gas service?

Answer: Yes.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

c. In its attachment provided in response to AGMECCUBDG-2.1a (AGMECCUBDG-2.1-2.8-01), DTE Gas states that some people are enrolled in the Winter Protection Plan in non-winter months (e.g., June). Please explain why and how people are enrolled in these months in which the plan is not active.

Answer: The Winter Protection Plan has a maximum duration of 12 months. Enrollment for the plan is available November 1st through March 31st of each year and enrollment is required annually.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

d. For each month between January 2022 and December 2025 (inclusive), please state the number of households that were denied from the Winter Protection Plan.

Answer: That data does not exist.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

e. For each month between January 2022 and December 2025 (inclusive), please state the number of households that were unenrolled from the Winter Protection Plan for failing to make the enrollment-determining payments.

Answer: See attachments to response to U-21973 MECCUBDG-2 and additional attachments.

Attachment: U-21973 FLODG-5.30e (01) 2024 PSC Quarterly Reports
U-21973 FLODG-5.30e (02) 2022 PSC Quarterly Reports
U-21973 FLODG-5.30e (03) 2023 PSC Quarterly Reports

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30f

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

f. What is the average required payment for a household to maintain enrollment (as a low-income customer) for the Winter Protection Plan? In other words, how much, on average, must an eligible low-income household pay to be protected under the plan?

Answer: That data does not exist.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30g

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

g. Please explain the different reasons that people are denied enrollment in the Winter Protection Plan.

Answer: Verified low income or senior customers are eligible for the Winter Protection Plan. The following additional criteria must be met:

- WPP enrollment is only allowed from November 1 through March 31.
- Account class must be Residential
- Cannot be on another active payment plan
- Must pay any outstanding security deposits/fees
- Low-Income customers with arrears must pay 1/12 of the arrears balance.
- If a customer defaults on WPP, they:
    - Cannot re-enroll until the next heating season

Other account reasons for denial:

- Primary metered accounts are not eligible
- Accounts enrolled in a flexible due date are not eligible
- Landlord Accounts are not eligible

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30h

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

h. Please state the average length it takes for low-income customers to be enrolled in the Winter Protection Plan, from the time of application.

Answer: Once eligibility is confirmed and the plan is created, the customer is considered enrolled immediately.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30i

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

i. When deciding whether to shut off a customer's gas, does the Winter Protection Plan factor into DTE Gas's decisions?

i. For instance, does DTE Gas accelerate any shut offs to occur in October, before the protection period begins?

ii. For instance, does DTE Gas prepare in advance for additional shut offs in April, after the protection period ends?

iii. For instance, during the period between November and March, does DTE Gas consider a household's eligibility for the Winter Protection Plan before deciding to issue a shut off notice?

iv. Are there any other ways that DTE Gas uses the Winter Protection Plan when deciding to shut off a customer's gas?

Answer: The Winter Protection Plan functions as a customer protection, not a mechanism for influencing the timing or volume of shutoffs. The Company does not accelerate disconnections before the protection period, nor plan for increased shutoffs afterward. However, the Company does provide outreach to customers in preparation for the heating season through proactive, multi-channel communication strategies designed to connect customers with shutoff protection plans and energy assistance to minimize service disruptions as provided in response to FLODG-2.4b.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30j

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

j. Does DTE Gas have any internal estimates of how many customers are eligible for the Winter Protection Plan?

Answer: No, the Company does not have internal estimates for customers eligible for the Winter Protection Plan.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.30k

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Winter Protection Plan.

k. Does DTE Gas have any internal explanations for why so few customers enroll in the Winter Protection Plan?

Answer: The Company does not maintain a definitive internal explanation for participation levels in the Winter Protection Plan (WPP). Enrollment in WPP is voluntary, subject to eligibility, verification, and payment requirements, and limited to a defined heating season enrollment period. For low-income customers with arrears, the requirement to make an initial down payment may limit some customers' ability to enroll. Additionally, customers may choose to enroll in other payment plans, shutoff protections, or energy assistance programs that they determine are more appropriate for their individual circumstances.-season enrollment period.

.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

a. For each program and for each month of 2024 and 2025, please state the number of customers who were denied enrollment.

Answer: This data does not exist.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

b. Please provide a list of reasons that would cause the Company to deny a customer's enrollment in the program.

Answer: Reasons for denial may include, but are not limited to:

- Failure to submit required documentation
- Invalid or non-qualifying medical certification
- Medical condition does not meet program criteria
- Expiration of allowable protection limits
- Failure to recertify when required
- Account does not meet eligibility requirements
- Missing or insufficient identification or patient information

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

c. Please explain what information DTE Gas provides to customers when denying their applications for these programs.

Answer: In addition to a response upon receipt of the application, as the result of a denied request, communications are provided to the customer detailing the reasons for denial through email and phone call.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

d. Please provide a representative sample of 10 actual communications made by the Company to customers who were denied enrollment, explaining the denial. Please redact any sensitive or confidential customer information as necessary.

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.31d Medical and Critical Denials

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

e. Please explain whether DTE Gas allows customers to appeal decisions denying enrollment in these programs.

Answer: Yes, customers may appeal decisions denying enrollment. When a customer is denied enrollment in the Critical Care or Medical Emergency Protection Program, the Company provides notice explaining the reason for the denial and the information needed to resubmit the request. Customers may seek reconsideration by submitting corrected documentation, may request an internal review through the Company, and may also pursue informal or formal complaints with the Michigan Public Service Commission, consistent with existing utility dispute resolution processes.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31f

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

f. Please state whom DTE Gas employs to review applications for these programs and any medical expertise they might have.

Answer: The customer's physician is responsible for completing and certifying the medical form, which includes details required under the MPSC billing practice rules to determine whether a customer meets the definition of a medical emergency or critical care customer. The Company's role is to verify that the submitted form is complete and aligns with the MPSC regulatory requirements.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31g

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

g. Please provide any internal guidance DTE Gas gives to employees reviewing these program applications.

Answer: The Company provides internal guidance to employees reviewing medical and critical care program applications to ensure all evaluations align with the Michigan Public Service Commission (MPSC) billing practice rules. Employees are instructed to review each submission for completeness and compliance with the requirements established by the MPSC, including verifying that the customer's medical certification form is the official MPSC approved form and has been properly completed and signed by a licensed medical professional.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31h

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

h. Please state the average time it takes for a customer to receive a decision on their application for these programs.

Answer: The Company responds to a customer's request for medical or critical care protection within 24 hours of receiving the completed application and required medical certification.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31i

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

i. Please state the number and percentage of customers enrolled in critical care protections in 2025 that had also enrolled in 2024.

Answer: Total customers newly enrolled in critical care protections in 2025: 299
Of those, customers who also enrolled in 2024: 124 (41.5%)

Assumption: "Enrolled" is defined as customers who initiated a new critical care protection during the respective calendar year, based on the lock start date. This does not include customers whose prior-year lock was still active due to carryover.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31j

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

j. Can customers submit medical certification forms before they receive a shut off notice?

Answer: Yes. Customers may submit a commission-approved medical certification form at any time, including before a shut-off notice is issued. There is no requirement that a customer wait until receipt of a shut-off notice to submit medical documentation for review. The medical certification form must be dated, but its validity is based on the physician's certification date and completeness.

Under the Michigan Public Service Commission (MPSC) billing practice rules, if a shut-off notice has already been issued, a customer who files for a medical emergency has three business days from the date of the claim to obtain a completed, commission-approved medical certification form from a physician or public health official and return it to the utility for review

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31k

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

k. Can customers have their doctors sign their medical certification forms before receiving a shut off notice, even if they wait to submit the form until after receiving the notice?

Answer: See response to FLODG-5.31j.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.31l

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about the Critical Care Protection Plan and the Medical Emergency Protection Plan.

l. Please explain the ways that DTE Gas advertises the Critical Care and Medical Emergency Protection plans to residential customers or otherwise distributes information about these plans.

Answer: Information about all shutoff-protection programs is available on the Company's website, where customers can review program eligibility, requirements, and the steps needed to apply. In addition, the Company distributes a comprehensive brochure outlining all available shutoff-protection options, including the Critical Care and Medical Emergency Protection plans. This brochure is provided annually to all residential customers as part of their regular billing statement, ensuring every customer receives clear and accessible information about these programs each year.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32a

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

a. What is the average monthly payment for customers on the Shutoff Protection Plan? What portion of this average monthly payment is for the past-due balance?

Answer: See attachment for response.

Attachment: U-21973 FLODG-5.32a SPP Payment Amounts

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32b

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

b. Does the Company ever recommend that customers who are interested in the Winter Protection Plan or either of the Medical Protection Plans to instead apply for the Shutoff Protection Plan?

Answer: The Company provides customers with information regarding the various assistance and protection programs for which they may be eligible and may explain the features of those programs, including circumstances in which one option may be more appropriate than another based on the customer's situation. However, enrollment in any protection or payment program is voluntary, and the customer ultimately determines which program is best suited to their individual circumstances.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32c

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

c. For each program and for each month of 2024 and 2025, please state the number of customers who were denied enrollment in the Shutoff Protection Plan.

Answer: This data does not exist.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32d

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

d. Please explain the reasons that DTE Gas denies customers' applications for enrollment in the Shutoff Protection Plan.

Answer: The Shutoff Protection Plan (SPP) is available to eligible low-income residential customers, senior citizens, and certain non-profit organizations who have a past-due balance and need additional time to pay. Enrollment is subject to verification requirements, account eligibility rules, and restrictions on concurrent enrollment in other payment arrangements.
Enrollment in SPP may be denied if:

- Account is already enrolled in another payment arrangement
- Accounts have unauthorized use of service

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32e

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

e. For each month of 2024 and 2025, please state the number of customers who were unenrolled in the Shutoff Protection Plan based on failure to make payments.

Answer: See response to FLODG-30e.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-5.32f

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please answer the following questions about DTE Gas's Shutoff Protection Plan.

f. Please explain the ways that DTE Gas advertises the Shutoff Protection Plan to residential customers or otherwise distributes information about this plan.

Answer: The Company provides information about the Shutoff Protection Plan to residential customers through multiple communication channels. These include information available on the Company's website, direct communications such as mailed and electronic correspondence, and in-person outreach efforts, including Customer Assistance Days and Community Resource events.

Attachment: None

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of **DTE GAS COMPANY** for authority to increase its rates, amend its rate schedules and rules governing the distribution and supply of natural gas, and for miscellaneous accounting authority	)	Case No. U-21973

PROOF OF SERVICE

STATE OF MICHIGAN)
) ss.
COUNTY OF WAYNE)

ESTELLA R. BRANSON states that on February 26, 2026, she served a copy of DTE Gas Company's Response to the Frontline Organizations' Fifth Discovery Request in the above captioned matter, via electronic mail and portal links, upon the persons listed on the attached service list.

ESTELLA R. BRANSON

MPSC Case No. U-21973
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MPSC Case No. U-21973
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s

Please indicate amount paying $ _____

Account Number	[redacted]
Past Due - Pay Now	**$287.82**
Due March 30, 2026	**$102.48**
Total Due:	**$390.30**

H

[redacted]

Mail Payments to:
DTE Energy
P.O. Box 740786
Cincinnati OH 45274-0786

Scan code with Phone for quick and secure payment process!

For address corrections, please visit dteenergy.com or call 800.477.4747.

[redacted]

Fold, detach and mail upper portion with your check made payable to DTE Energy. Please write your account number on your check or money order.

OVERDUE NOTICE

Contact Information

Gas Leak or Gas Emergency	800.947.5000
Customer Service or Power Outage	800.477.4747
Hearing-Impaired TDD Line	800.888.6886 (Mon-Fri 8am-5pm)
Web Site	dteenergy.com

Programs you are enrolled in

Senior Winter Protection
Home Protection Plan - 800.556.0011

Summary of Charges

Account Number [redacted]

Account Balance as of Feb 04, 2026	**337.82**
Payment Received Feb 05, 2026 Thank You!	**− 50.00**
Balance Prior to Current Charges	**287.82**
Your account requires immediate attention.#To avoid collection action, pay the past-due balance now or call us at 800.477.4747.	
Total Current Charges	**102.48**
Account Balance as of March 06, 2026	**$390.30**

Our records show your Home Protection Plus plan has a past-due balance of $ 22.43 which is included in your total due. Please make this payment promptly to avoid losing your HPP coverage.

Your current charges are due on March 30, 2026. A 2% late payment charge will be applied if paid after the due date.

Your Monthly Energy Usage

For ways to save energy and save money, go to dteenergy.com/saveenergy

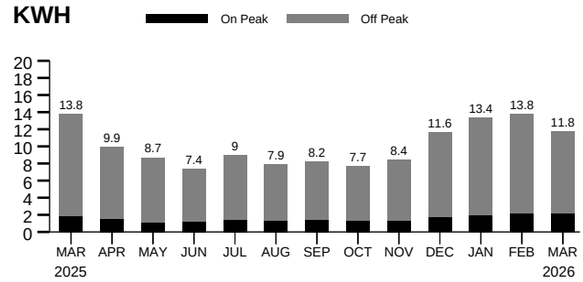
ELECTRIC

Average Usage per day

	Current Month	Last Month	Year Ago
KWH Usage	11.8	13.8	13.8
Change		-14%	-14%

Your average daily electric cost for this billing period was $2.92

KWH



Important Information

Account Information

The Infrastructure Recovery Mechanism (IRM) Surcharge, which may be included in Other Delivery Volumetric Surcharges on your bill, has been updated. The IRM allows DTE to improve your reliability by modernizing the electric grid - replacing poles and wires, rebuilding aging portions of the grid and adding smart technology that helps DTE reduce outages and outage duration.

The Michigan Public Service Commission approved changes to charges on your bill, starting March 5, 2026, that support improvements to reliability and clean energy advancements. Your power supply and distribution charges will change, depending on your monthly usage. The Nuclear Surcharge has also been updated.

Please return your check or money order, payable to DTE Energy, five business days prior to the due date. Do not send cash or attach notes.

Be sure to write your account number(s) on your check or money order.

The Power Supply Cost Recovery (PSCR) line item on your bill recovers the cost of fuel, purchased power, renewable resources and transmission used to provide electricity. Because these costs can fluctuate based on market conditions, this charge is adjusted periodically.

You are enrolled in the Senior Winter Protection (our new name for the Senior Program). This protects your service from shut-off during the winter months. This is different from the Senior Citizen Provision, which may lower your bill. Call us to find out if you qualify. For any other questions, visit us online at dteenergy.com/help or call 800.477.4747.

Your account is past due. Please pay the past-due balance now. To pay by phone, call us at 800.477.4747. If paid, please disregard this notice. Failure to pay the total amount due on your bill could result in shut off of your energy service at the end of winter protection.

Detail of Current Charges

[redacted]

DTE Electric Company Residential Electric Service Time of Day 3 p.m. - 7 p.m.

Current Charges		
Power Supply Charges		
On Peak Capacity Charge (02/04/2026-03/04/2026)	60.935 @ 0.039840	2.43
On Peak Capacity Charge (03/05/2026-03/05/2026)	2.243 @ 0.038390	0.09
Off Peak Capacity Charge (02/04/2026-03/04/2026)	285.144 @ 0.034030	9.70
Off Peak Capacity Charge (03/05/2026-03/05/2026)	6.428 @ 0.032400	0.21
On Peak Non Capacity Charge (02/04/2026-03/04/2026)	60.935 @ 0.062330	3.80
On Peak Non Capacity Charge (03/05/2026-03/05/2026)	2.243 @ 0.064800	0.15
Off Peak Non Capacity Charge (02/04/2026-03/04/2026)	285.144 @ 0.053250	15.18
Off Peak Non Capacity Charge (03/05/2026-03/05/2026)	6.428 @ 0.054690	0.35
Power Supply Cost Recovery	354.75 @ 0.018770	6.66
Other Power Supply Volumetric Surcharges		0.90
Delivery Charges		
Service Charge		8.50
Distribution (02/04/2026-03/04/2026)	346.079 @ 0.089070	30.83
Distribution (03/05/2026-03/05/2026)	8.671 @ 0.097260	0.84
LIEAF Factor		1.25
Other Delivery Volumetric Surcharges		3.32
Residential Michigan Sales Tax		3.32
Total DTE Electric Company Current Charges		**87.53**

Current Billing Information

Service Period	Feb 4, 2026 - Mar 5, 2026
Days Billed	30
Meter Number	[redacted]
Meter Reading	**48967.338 Actual - 49322.088 Actual**
KWH Used	**354.75000**
On Peak Used	**63.17800**
Off Peak Used	**291.57200**

Your next scheduled meter read date is on or around APR 6, 2026

Usage History - Average per day

	Current Month	Last Month	Year Ago
KWH Usage	11.8	13.8	13.8
Change		-14%	-14%

DTE Gas Company Home Protection Plus Charges

Current Charges	
Basic Protection Plan***	14.95
Total DTE Gas Company Current Charges	**14.95**

Service Period	Feb 4, 2026 - Mar 5, 2026
Days Billed	30

***This service is unregulated by the Michigan Public Service Commission.

Total Current Charges **102.48**

If You Smell Natural Gas and DTE Gas Company is Your Natural Gas Provider, Call 800.947.5000
If the odor is strong, leave the building immediately. Do not use electric switches or an open flame. Open doors and windows.

If Your Electricity Goes Out
Check your fuses or circuit breakers, then see if your neighbors' lights are on. To report an outage or fallen power line, contact your electric company. DTE Electric Company customers, call 800.477.4747 or visit dteenergy.com from a location that has power. Stay at least 20 feet away from a fallen power line and anything it's touching, including metal fences and puddles.

Energy Theft is illegal & dangerous
Confidentially report suspected tampering by calling our theft hotline at 800.441.6698.

For More Information
For more information on your bill or alternative payment methods, call 800.477.4747, visit dteenergy.com, or write to DTE Energy, One Energy Plaza, Detroit, MI 48226-1221 before the due date.

DTE Electric Company and DTE Gas Company are DTE Energy subsidiaries and are regulated by the Michigan Public Service Commission, Lansing, Michigan.

[redacted]

DTE Gas Company
Customer Service
Cash Only Analysis

Case No: U-21973
Requester: AG-MECCUB
Question No: AGMECCUBDG-1.6
Respondent: J.E. Sparks
Page: 1 of 1

Analysis of moving from two to one returned payments for application of the Cash Only Flag

Methodology:
- Considered customers who received a cash only flag in May 2019
- Looked at two timelines:

	Total Arrears Increase
1- time between first return payment and the second returned payment (cash only flag application)	
2- time between the second returned payment (cash only flag application) and February 2020	$ 96,086

- Calculated the difference in arrears at the start and end of each timeline

$ 116

	# of Customers Placed on Cash Only in May 2019	Arrears growth between the 1st return payment and 2nd return payment (cash only flag application)	Arrears growth between 2nd return payment (cash only flag application) and Feb 2020
TOTAL	*828*	$ 74,501	$ 21,585
AVG		**$ 90**	$ 26

Conclusions:
- Customers with multiple returned payments grow an average of $116 in arrears
- $90 of these $116 are accumulated between the first return payment and the second return payment (cash only flag application)
- $26 of the $116 are accumulated after the customer incurs two returned payments and is placed on cash only
- Placing a customer on a cash only flag sooner (after their first returned payment) can mitigate arrears growth

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.1

Respondent: J. E. Sparks

Page: 1 of 1

Question: Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollment by Zip Code, of the Detroit residents who were enrolled in a Home Protection Plus ("HPP") program as of January 2026, what percent of these experienced a shutoff in 2025?

Answer: DTE Gas objects to this request for the reason that it seeks information that does not have any tendency to make the existence of any fact that is of consequence to the determination of this action more probably or less probable. Subject to this objection, and without waiving this objection, DTE Gas would answer as follows: As HPP is an unregulated VAPS, there is not a causal link between HPP and shut offs. Meaning, if an HPP customer was shut off in 2025, their participation in HPP would have been terminated. If that customer restored service, they would have to re-enroll in HPP. See attachment for response.

Attachment: U-21973 FLODG-7 Shut Off Information

Co-Respondent(s): Legal

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.2

Respondent: J. E. Sparks

Page: 1 of 1

Question: Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollment by Zip Code, of the residents outside of Detroit who were enrolled in an HPP program as of January 2026, what percent of these experienced a shutoff in 2025?

Answer: See response to FLODG-7.1.

Attachment: None.

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.3

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the average duration of DTE Gas shutoffs by zip code from 2023 through 2025.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.4

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the number of DTE Gas shutoffs from 2023 through 2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.5

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the average duration of DTE Gas shutoffs among HPP enrollees in 2025.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.6

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the average duration of DTE Gas shutoffs among non-HPP enrollees in 2025.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.7

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the duration of DTE Gas shutoffs among HPP enrollees by zip code from 2023-2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.8

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the duration of DTE Gas shutoffs among non-HPP enrollees by zip code from 2023-2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.9

Respondent: J. E. Sparks

Page: 1 of 1

Question: For each month of 2025, please state the number of shutoff notices that DTE Gas issued to customers and, of those notices, how many led to: (a) the customer having their gas shut off for nonpayment; (b) the customer paying their bill to avoid a shutoff without enrolling in a payment plan; (c) the customer enrolling in a payment plan; (d) the customer being protected from the shut off without paying (e.g., for seniors in the winter); or (e) other action on behalf of the customer or DTE Gas. To the extent that there are actions that fit under category (e), please explain what kind of actions fit into category (e).

Answer: See response to FLODG-7.1.

Attachment: None

MPSC Case No: U-21973

Requester: FLO

Question No.: FLODG-7.10

Respondent: J. E. Sparks

Page: 1 of 1

Question: Please provide the percentage of DTE Gas customers that fall within each of the income eligibility thresholds that are listed on DTE's website.1 In particular, these are: "Maximum Income 110% (HHC) Annual," "Maximum Monthly Income 150% (SER)," "Maximum Monthly Income 200% (WAP, SPP)," and "Maximum Monthly Income 60% SMI (MEAP)."

Answer: DTE does not record income data for all customers receiving income-qualified assistance. Of DTE Gas's approximately 1.3 million customers, about 10% received qualifying energy assistance, which allows DTE to identify those customers as having household incomes at or below 60% of State Median Income (SMI).

Attachment: None

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of **DTE GAS COMPANY** for authority to increase its rates, amend its rate schedules and rules governing the distribution and supply of natural gas, and for miscellaneous accounting authority	)	Case No. U-21973

PROOF OF SERVICE

STATE OF MICHIGAN)
) ss.
COUNTY OF WAYNE)

ESTELLA R. BRANSON states that on March 10, 2026, she served a copy of DTE Gas Company's Response to the Frontline Organizations' Seventh Discovery Request in the above captioned matter, via electronic mail and portal lnk, upon the persons listed on the attached service list.

ESTELLA R. BRANSON

MPSC Case No. U-21973
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MPSC Case No. U-21973
Service List

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Michigan Public Service Commission
DTE Gas Company
Shut Off Information

Case No: U-21973
Request: FLODG-7
Witness: J. Sparks
Page: 1 of 1

FLODG-7.1 Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollment by Zip Code, of the Detroit residents who were enrolled in a Home Protection Plus ("HPP") program as of January 2026, what percent of these experienced a shutoff in 2025?

Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollement by Zip, .6% of Detroit residents experienced a gas shutoff in 2025.

Detroit HPP Shutoffs	309
Detroit HPP Total	55,867
	0.6%

FLODG-7.2 Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollment by Zip Code, of the residents outside of Detroit who were enrolled in an HPP program as of January 2026, what percent of these experienced a shutoff in 2025?

Based on the information from NDA U-21973 FLODG-3.5 HPP Enrollement by Zip, .2% of residents outside of Detroit experienced a gas shutoff in 2025.

Non Detroit HPP Shutoffs	285
Non Detroit HPP Total	170,813
	0.2%

FLODG-7.3 Please provide the average duration of DTE Gas shutoffs by zip code from 2023 through 2025

Below is the average duration (in days) of a restored DTE gas resident by zip code from 2023 to 2025.

Zip Codes	2023	2024	2025
48101	8	47	43
48103	36	45	27
48104	17	30	5
48105	41	43	20
48108	10	33	41
48111	39	28	14
48118	2	10	6
48120	27	26	5
48122	21	56	24
48124	73	8	39
48125	40	28	18
48126	27	31	23
48127	50	30	59
48128		79	1
48130	35	8	18
48134	43	14	18
48135	3	14	15
48137		28	
48138	1	49	
48141	26	22	26
48146	45	22	33
48159	160	1	
48160	2	3	12
48164	65	7	13
48166		1	
48173	52	42	26

48174	34	21	35
48176	5	3	10
48179	3	2	
48180	55	29	20
48183	5	24	31
48186	75	19	29
48187	34	2	7
48188	57	29	29
48189		17	
48190	43		19
48191		16	9
48192	16	15	9
48193	22	6	18
48195	22	40	18
48197	22	23	21
48198	30	19	31
48201	9	61	61
48202	53	60	33
48203	47	37	50
48204	33	30	47
48205	36	37	40
48206	43	42	38
48207	30	22	31
48208	18	36	46
48209	33	47	33
48210	40	34	30
48211	34	53	68
48212	43	39	40
48213	45	34	41
48214	66	45	34
48215	44	34	42
48216	69	54	35
48217	31	56	43
48218	26	41	53
48219	36	33	33
48221	39	40	39
48223	37	36	43
48224	47	34	33
48225	35	20	31
48226	11	85	16
48227	44	37	40
48228	31	37	34
48229	28	34	31
48230		35	29
48234	38	32	38
48235	32	31	31
48236	69	77	36
48238	41	47	46
48239	23	34	31
48240	30	27	34
48380		2	
48381	125	10	68
48610		30	
48621		1	41
48624		4	
48629		23	31
48647		78	130
48651		25	41
48653		35	1
48656		34	
48661			1
48730			158
48738		3	
48739			24
48740		40	
48742		52	22

48750			10
48756		1	132
48763			3
48770			9
48809	1	42	38
48838	2	47	26
48871	141		
49240	1	0	3
49301	0	0	1
49302		2	
49304		6	9
49306		10	49
49315	1	45	3
49316	1	51	4
49318	0	4	79
49319	4	34	29
49321	1	50	21
49326	0	17	29
49327	0		
49330	11	22	29
49337		26	29
49339	0		
49341	2	25	31
49343		3	2
49345	3	6	20
49347		44	9
49348			1
49349	1	37	46
49401	4	14	4
49404			1
49412			13
49415		17	8
49418	10	16	19
49420		119	13
49421			21
49425	1		48
49426	1	13	18
49428	2	15	8
49431		1	18
49435		74	0
49437	0	37	32
49440	24	1	2
49441	11	14	17
49442	15	15	13
49444	16	20	15
49445	22	24	13
49446			5
49449			21
49451		1	28
49452	0	20	
49454		3	3
49455	5	3	53
49456	1	1	33
49457	2	17	37
49461		21	13
49503	22	25	7
49504	13	22	4
49505	21	16	12
49506	15	20	13
49507	19	24	16
49508	6	19	7
49509	9	11	12
49512	0	6	11
49519	4	38	11
49525	1	13	6
49534	45	7	2

49544	167	13	33
49546	2	49	18
49548	9	27	14
49601			26
49616		118	52
49617		163	31
49621	0	3	45
49622		39	31
49628	31	47	4
49630	0		
49635	0	15	3
49637	0	3	15
49640	0	78	3
49642		2	15
49643	2	3	23
49646	7	9	
49649	2	8	2
49650	2		2
49653	1	38	1
49654		2	22
49659		35	37
49660		6	12
49663			18
49664		8	2
49670			11
49682		53	40
49684	2	18	13
49685	10	19	20
49686	8	20	27
49690	0	2	1
49696	1	11	33
49701			2
49706		3	14
49707		46	50
49712		49	14
49713			0
49715		23	10
49720		7	33
49721		37	20
49727		69	54
49729			48
49733		131	
49735		19	8
49738		6	
49740		3	1
49749		24	2
49756		56	27
49766		41	85
49769		26	
49770		25	42
49776		1	98
49779		4	6
49780		45	9
49783		37	37
49788		28	25
49795		87	
49799		0	0
49801		26	44
49802		18	56
49807		71	
49821		70	74
49825		68	
49829		49	28
49837		34	41
49841		60	7
49845			30

49847			14
49852		35	24
49862		103	22
49870		45	58
49874			28
49876		21	46
49878		70	25
49886			49
49887			10
49891			19
49892		70	63
49894		71	28
49895			30
49896		70	35
49915		52	59
49920		39	28
49935		30	76
49964		23	2

FLODG-7.4 **Please provide the number of DTE Gas shutoffs from 2023 through 2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.**

Below are the number of a restored DTE gas residents by the number of days from disconnect to restoration from 2023 to 2025.

Days	**2023**	**2024**	**2025**
0 Days	805	767	1255
1 Day	574	844	1312
2 Days	250	426	535
3 Days	126	210	281
4 Days	114	148	239
5 Days	91	131	164
6 Days	99	141	180
7+ Days	1640	3007	3608

FLODG-5 **Please provide the average duration of DTE Gas shutoffs among HPP enrollees in 2025.**

The average duration of DTE Gas shutoffs among HPP enrollees in 2025 is 25.

FLODG-6 **Please provide the average duration of DTE Gas shutoffs among non-HPP enrollees in 2025**

The average duration of DTE Gas shutoffs among non-HPP enrollees in 2025 is 27.

FLODG-7 **Please provide the duration of DTE Gas shutoffs among HPP enrollees by zip code from 2023-2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.**

Year/Zip	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7+ Days	Grand Total
2023									
48111					1				1
48120		1							1
48126								1	1
48134								1	1

48141		2						1	3
48146		1							1
48174							1		1
48192	6		1		1			2	10
48198								1	1
48202								4	4
48203		1						3	4
48204		1						4	5
48205	1					1		15	17
48206	1	1						2	4
48209								2	2
48210	1			1					2
48211		1							1
48212					1				1
48213	1	1				1		3	6
48214								3	3
48215						1		4	5
48216								1	1
48217	2							1	3
48218		1	1					1	3
48219		1		1				3	5
48221		1					1	4	6
48223			1					3	4
48224		1						2	3
48227								8	8
48228			1	1			1	3	6
48229								1	1
48234	3	1				1		3	8
48235			1	1				4	6
48238								1	1
48809		1							1
49318	1								1
49339	1								1
49418	1								1
49441	2	3				1		1	7
49442	4	2	1	1				1	9
49444	2	4			1	1		2	10
49445	1								1
49503		2						2	4
49504	1						1	1	3
49506	1	1				1			3
49507		1						1	2
49508	1		1						2
49509		1							1
49519	1								1
49548	4	2		1					7
49686	1								1
2024									
48108								1	1
48111	1								1
48126	1								1
48127								2	2
48134						1			1
48141	1					1			2
48146								2	2
48164	1								1
48166		2							2
48174							1	2	3
48180					1		1	3	5
48188								2	2
48192	4	2	2		1	1		1	11
48197	1							1	2
48198								1	1
48202			1	1			1	6	9
48203	1	1						1	3
48204		1	1		1			7	10

48205	2	1							10	13
48206		1							2	3
48207		1								1
48208			1							1
48209			1						1	2
48210		1		1		1				3
48212	1	1	1						2	5
48213	1	1							4	6
48214	1				1		1		2	5
48215	1	2							2	5
48216		1								1
48217		1		1					2	4
48218			1						2	3
48219	2	2	2	2			1		9	18
48221			1						2	3
48223									5	5
48224		2				2			6	10
48225			1							1
48227		1					1		3	5
48228			2						7	9
48229	1	1								2
48234		1	2	1	2	1			5	12
48235	2	1		1		1			3	8
48238		1		1	1		1		8	12
48239		1							2	3
48629		3	1						1	5
48647									2	2
49318		1					1			2
49319									1	1
49345		1								1
49401	1									1
49426			1							1
49431	1									1
49437	1									1
49441	2	3		1	1				1	8
49442	1						1		4	6
49444	3	2					1			6
49445									1	1
49503			1							1
49504			1				1			2
49507		1	1	1					2	5
49508	2								1	3
49509	1	1								2
49512			1						1	2
49534									1	1
49544									1	1
49546	1									1
49548	2								3	5
49659									1	1
49684	1								2	3
49685		1							2	3
49686	1		1							2
49715	1									1
49738		1			1					2
49740									1	1
49749									1	1
49770				1						1
49783			1	1					2	4
49788									1	1
49829			1							1
49920					1					1
2025										
48118		1								1
48122		1								1
48125							1		1	2
48126									1	1

48134								1	1
48135								1	1
48141		1	1	1				2	5
48146		1							1
48180								1	1
48183							1		1
48187	1	1							2
48188						1			1
48190				1					1
48192	6	4	4						14
48193	1								1
48197								2	2
48198	1							1	2
48202	1					1		1	3
48203	2	2						13	17
48204	1			2		1		12	16
48205		1	1					7	9
48206		1		1				3	5
48207	1			1				2	4
48208								1	1
48209	1							3	4
48210				1				1	2
48212		1			1			7	9
48213	2	3			1		1	7	14
48214		1						4	5
48215	1				1			3	5
48217		1	1						2
48218							1	1	2
48219	2	2			1	1		11	17
48221	2							5	7
48223		2	1		1	1			5
48224	1	2				1		12	16
48225		1							1
48227	1	1	1	1				8	12
48228	1	2	2		1	2		11	19
48229								1	1
48230								1	1
48234	1	4			1	2	3	12	23
48235	1	2	1	2	2	2	1	5	16
48236		1							1
48238	3	2	1	1	1			11	19
48240								1	1
48838		1							1
49301		1							1
49318								1	1
49319	2	1							3
49326	1								1
49337		1				1			2
49345			1						1
49347						1			1
49412	1								1
49421		1							1
49428	1	2							3
49431								1	1
49441	4	4	1	2	1			4	16
49442	4	9	2	3	1		2	7	28
49444	11	13	2		2	2	2	4	36
49445	3	1	2			1		2	9
49446						1			1
49456			1						1
49457								2	2
49461	2	1							3
49503								1	1
49504	4					1			5
49505		2							2
49506	1		2						3

49507	1	2	1		1	3	2	2	12
49508		4	1						5
49509		3		1				1	5
49512		2							2
49544		1							1
49546	1	1							2
49548	1	4					1		6
49628								1	1
49643		1		1				1	3
49684	1								1
49685	2							2	4
49686	1							1	2
49721					1				1
49740	1								1
49756								1	1
49783		1	1						2
49788		1							1
49802						2		1	3
49829								1	1
49841		1							1
49847								1	1
49935						1			1
49964		1							1

FLODG-8 **Please provide the duration of DTE Gas shutoffs among non-HPP enrollees by zip code from 2023-2025 by the following durations: 0, 1, 2, 3, 4, 5, 6, and 7+ days.**

Row Labels	0 Days	1 Day	2 Days	3 Days	4 Days	5 Days	6 Days	7+ Days	Grand Total
2023									
48101			2			1		3	6
48103		1	2	1		2		1	2	9
48104		2						1	1	4
48105									1	1
48108		1	2	2					1	6
48111		3	2	1				1	13	20
48118		17	3	1					2	23
48120		1	1						2	4
48122		3	1		1		1		5	11
48124		1		1					1	3
48125			2		1		2	1	16	22
48126		3	2	1					11	17
48127		2	2			1			8	13
48130									2	2
48134		2							4	6
48135		1	1						1	3
48138		1		1						2
48141		5	12	5	3	4		3	29	61
48146		3	1	1	1			1	10	17
48159									1	1
48160				1						1
48164		1							3	4
48173		1							3	4
48174			3	2	1	1			27	34
48176		5	1						2	8
48179					1					1
48180		3	1		1				12	17
48183		1		1		1			1	4
48186									1	1
48187									3	3
48188				1	1			1	10	13
48190									1	1

48192	80	44	15	10	5	4	2	44	204
48193								1	1
48195		5						1	6
48197	5	8	1			1	1	10	26
48198	1		1	1	2		3	19	27
48201	11	3		2	1			5	22
48202	4	8	1	1	1	1	1	23	40
48203	3	1	2	1			1	33	41
48204	7	3	4	6	1	2	1	42	66
48205	6	9	7	6	4	5	1	61	99
48206	4	7	1	1	2	2	1	25	43
48207	5	2	2	3			2	33	47
48208		4	1	1	1			10	17
48209	4	6	1		2		2	28	43
48210	3	4	7		3	2	1	29	49
48211	1		1					4	6
48212	9	3				1	1	21	35
48213	10	9	4	2	2	1		60	88
48214	4	3	2	1		2		41	53
48215	3	1	2	1	2	4	1	27	41
48216					1			3	4
48217	1	1		1		1		11	15
48218	1	3		1		2		19	26
48219	4	6	3	2	4	6	3	53	81
48221	7	2	2	5	2		4	43	65
48223	3	2		1	1		4	28	39
48224	4	4	3	1	2	1	1	29	45
48225	2		1		1			4	8
48226	1							1	2
48227	5	9	3	1	2	6	1	71	98
48228	9	10	4			1	4	62	90
48229	2	3						19	24
48234	4	7	2	4	4	1	3	61	86
48235	15	10	9	5	5	5	3	75	127
48236								2	2
48238	10	16	6	4	3	2	6	63	110
48239	4	1	1		1		1	8	16
48240	2				1	2		4	9
48381	1							2	3
48809	3	2							5
48838	9	2						2	13
48871								1	1
49240		1							1
49301	1								1
49315	4	1	1						6
49316	1	2	1						4
49319	10	2	1		2	1		2	18
49321	3	1	1						5
49326	2								2
49327	3	1							4
49330	3	1			1			2	7
49341	7	3	1					1	12
49345	2	2	1				1	1	7
49349	1		1						2
49401	1	2	1		1			1	6
49418	11	5	1				1	2	20
49425	1	1							2
49426	8	1		1		1			11
49428		2		1					3
49437	3								3
49440								3	3
49441	43	26	8	3	5	2	1	22	110
49442	58	37	22	8	5	4	8	52	194
49444	51	39	18	4	5	2	3	42	164
49445	4	4	2		2		1	7	20
49452	1								1

49455	1							2	3
49456		1							1
49457	4	7	1	1			1	2	16
49503	29	21	12	4	4	5	5	32	112
49504	16	18	9	2	3	3	2	18	71
49505	12	14	5	3	1	1		15	51
49506	17	12	3	1	2	2	1	6	44
49507	36	32	17	4	5	2	6	38	140
49508	24	19	7	4	1	3	5	5	68
49509	9	8	8	2	3	1		9	40
49512	2	1							3
49519	13	4	2					2	21
49525	9	3	2					1	15
49534	1	4		1				5	11
49544								1	1
49546	3	5		1				2	11
49548	39	9	7	3	3		1	8	70
49621	1								1
49628	1							1	2
49630	1								1
49635	1								1
49637	1								1
49640	1								1
49643	1	2			1				4
49646	2			1	1			2	6
49649		2	1		1				4
49650			1						1
49653		1							1
49684	6	2	2	1	1			2	14
49685	6	3			1	2		7	19
49686	7	8	2	2			2	4	25
49690	1								1
49696	2	1		1					4
2024									
48101		2						5	7
48103	2							5	7
48104			1				1	4	6
48105	1		1					2	4
48108		1	1		1			5	8
48111	13	2	4	1		1	2	25	48
48118	7	3	3	1	1	1		2	18
48120							1	1	2
48122	1	1		1	1		1	10	15
48124	1	5		1	1	2		5	15
48125	1	2		2		1	1	14	21
48126	5	2	1		2		2	16	28
48127	1	2	1					7	11
48128								2	2
48130								1	1
48134	2	4			1		1	8	16
48135	2	2		2				7	13
48137								1	1
48138				1				3	4
48141	5	7	4	2	2	3	2	56	81
48146	3	5	3	1	2			21	35
48159		1							1
48160		1			1				2
48164	4		2	1	2			1	10
48173	1	1				1		2	5
48174	3	3	3		1	2	1	26	39
48176	1	5	4					2	12
48179			1						1
48180	7	4	4	1	2		3	34	55
48183	6	3	2	2				7	20
48186								1	1
48187	2	18	1					2	23

48188	1	1	1					11	14
48189								2	2
48191								1	1
48192	62	56	15	6	11	7	3	54	214
48193	2	1		1	1			3	8
48195	3	1	1			1		7	13
48197	10	6	6		1	2		27	52
48198	6	3	1	3		3	3	29	48
48201	1	1	4				1	14	21
48202	3	6		1		3		31	44
48203	6	9	3	2	2	3	1	54	80
48204	8	17	8	5	1	1	2	67	109
48205	12	16	10	4	2	5	3	86	138
48206	4	7			2	4	1	48	66
48207	4	7	8	4	2	2	4	27	58
48208			2		1			12	15
48209	4	9	2	3	1	1	3	32	55
48210	10	10	3	3	2	3	2	39	72
48211	3							8	11
48212	5	7	2	3	3			51	71
48213	8	11	7	5	4		2	87	124
48214	5	8	2		2	2	4	42	65
48215	2	2		1			3	33	41
48216		1					1	12	14
48217	2	1	1					15	19
48218		3	2	1	2			22	30
48219	6	14	14	4	2	3	6	113	162
48221	12	14	6	3	2	5	3	74	119
48223	8	10	5	2	1		1	49	76
48224	8	11	4	3	2	4	2	56	90
48225	1	5	1	1		1		10	19
48226	1			1				9	11
48227	9	14	9	4	4	4	4	70	118
48228	14	11	11	1	6	4	11	131	189
48229	4	5	2		1	1		19	32
48230								2	2
48234	10	12	9	4	6	3	3	82	129
48235	13	20	10	8	1	7	6	114	179
48236	2	1					1	4	8
48238	5	10	6	6	3	2	4	106	142
48239	4	3	5	1	1		1	20	35
48240	1	1	1					9	12
48380			1						1
48381		1	1					4	6
48610								1	1
48621		1							1
48624					1				1
48629	13	14	7	2				27	63
48647		1						8	9
48651	7	10	2	2	1	2		17	41
48653	4	1		1			1	6	13
48656	1	1	2	1				11	16
48738				1					1
48740	1							2	3
48742								2	2
48756		1							1
48809	1		3	1			2	5	12
48838	2	3	4	2	1			22	34
49240	1								1
49301	3								3
49302			2						2
49304			2	1				1	4
49306		3		1				1	5
49315	3	3		1		1		3	11
49316		2			1			3	6
49319	1	1	2	1				7	12

49321	2	2						4	8
49326	2		2		1		1	1	7
49330	1	3	1					2	7
49337	8	1				1		8	18
49341	3	5	1			1		5	15
49343				1					1
49345		3		1	1			2	7
49347								2	2
49349	1	1		1			1	4	8
49401	2	5	4			1	1	5	18
49415	2	1						3	6
49418	3	5	1					6	15
49420								1	1
49426	5	6	2				1	5	19
49428	3	3			1			5	12
49431	1	1		2					4
49435								2	2
49437	1	7	1					4	13
49440	1	2							3
49441	22	24	11	3	1	1	1	26	89
49442	50	79	27	9	3	3	5	80	256
49444	21	29	11	9	5	5	2	55	137
49445	14	14	3	5		1	2	20	59
49451	1	1							2
49452								1	1
49454	2							1	3
49455	1	1						1	3
49456	1	1							2
49457	9	7	4	2		1	1	10	34
49461	5	3	2	1	1			3	15
49503	10	6	1	2	2	1		27	49
49504	7	5	4	1	4	1	2	24	48
49505	4	4	4			1	3	4	20
49506	6	6	4		2			8	26
49507	17	21	9	4	1	3	3	60	118
49508	3	12	3	3	1			13	35
49509	6	6	5		1	1	1	16	36
49512	2	5	3	1	1			1	13
49519	5	3		1				17	26
49525	3	2	1	3		1		4	14
49534	1	1	1	2				1	6
49544	3	2	3					1	9
49546	2	1		1				6	10
49548	8	11	4		1	3	2	27	56
49616	1							2	3
49617								1	1
49621		1			1				2
49622	1	1		1		1		1	5
49628								1	1
49635	1	1						3	5
49637	2	2	2					2	8
49640	1							1	2
49642			1						1
49643	1	3	2	1	1			1	9
49646	6	3	1		1			6	17
49649	1	1		1	1			1	5
49653	2			1				2	5
49654	1		1	1					3
49659	2	1	2	1				4	10
49660	3		1					1	5
49664	1							1	2
49682			1					3	4
49684	7	5	2	2	1		1	11	29
49685	13	12	8	4				14	51
49686	20	9	5	6			1	20	61
49690	3	1						1	5

49696	3	3	2	1				2	11
49706			1	1					2
49707	3	4	5	2				21	35
49712	1	1				1	1	4	8
49715	1	3	1	1		3		8	17
49720	1	2		2				4	9
49721	3	2	3		1		1	10	20
49727	1	1	3				1	10	16
49733								1	1
49735	1			1				5	7
49738	1	2	2				1	2	8
49740	2								2
49749					1				1
49756	4	1						11	16
49766								3	3
49769	2							2	4
49770	2	3	1	2	3			9	20
49776		1							1
49779		2			1			1	4
49780	1					1		2	4
49783	12	7	8	3	6	4	4	42	86
49788	3	5	4	1	2	2		17	34
49795								1	1
49799	2								2
49801	1		1		2	1	1	12	18
49802	2	2						6	10
49807								1	1
49821								2	2
49825								1	1
49829	5	2	1	3	1			18	30
49837	3	3	1					9	16
49841					1			2	3
49852								2	2
49862								4	4
49870	2		1		1			11	15
49876								2	2
49878								2	2
49892			1					4	5
49894								1	1
49896				1				2	3
49915								3	3
49920	2							3	5
49935	2	1	5		1			13	22
49964								1	1
2025									
48101	1				1			9	11
48103	1	4			1			11	17
48104	2							2	4
48105		1					1	6	8
48108	1	1						5	7
48111	6	1	3	1	3		1	12	27
48118	12	5	2			1		3	23
48120	1							1	2
48122	2	1		1	1			6	11
48124	3	3	1					6	13
48125	4	8	1	1	2	1		13	30
48126	3	3	1	2	2	2		14	27
48127	2	1					1	10	14
48128		1							1
48130					1	1	1	1	4
48134	1	1						10	12
48135	1	1				2		7	11
48141	12	17	6	9	4	1	3	67	119
48146	5	5	4	2	1	1		43	61
48160				1			1	2	4
48164	4	1		1			1	6	13

48173	1	3						5	9
48174	3	4	5	2			1	35	50
48176	3	4	1					3	11
48180	9	10	6	6	4	2	1	29	67
48183	6		3			1		15	25
48186	1			2				1	4
48187	8							3	11
48188		2		2			2	6	12
48190								1	1
48191		1				1		2	4
48192	69	64	13	7	7	7	3	33	203
48193	1							5	6
48195	1	1				1		8	11
48197	8	7	4	1	2	2	3	24	51
48198	2	2	2	2	1	1		39	49
48201	4							13	17
48202	7	7	4	4	2		2	45	71
48203	7	7	4	3	2	1	4	80	108
48204	11	12	7	7	2	4	2	117	162
48205	7	15	10	2	5	3	6	126	174
48206	9	13	5	3	2	3	3	79	117
48207	3	5	5	2	1		1	26	43
48208	2	1	1	2				12	18
48209	6	7	5	1	1		2	39	61
48210	12	16	6	4	3		5	52	98
48211		2		1	1			7	11
48212	9	6	2	2	6	5	3	61	94
48213	6	9	10	10	8	3	3	101	150
48214	9	11	7		2	1	1	51	82
48215	4		1	4	2	1	1	45	58
48216		1	1	1				11	14
48217	2	1	5	2	2			23	35
48218			1	1				15	17
48219	13	14	12	5	5	3	2	78	132
48221	13	17	6	3	5	1	4	84	133
48223	4	7	6	12	3	1	1	73	107
48224	13	11	4	6	3	3	7	76	123
48225	1	4			1			14	20
48226			1	1				1	3
48227	10	13	7	5	3	4	9	108	159
48228	18	26	16	8	11	6	7	145	237
48229	2	5	1					26	34
48230		1						2	3
48234	16	20	13	3	5	9	2	140	208
48235	13	26	7	6	3	3	3	105	166
48236	1						1	4	6
48238	14	25	18	6	6	2	7	125	203
48239	3	3	4	5			4	15	34
48240	1	3				2		6	12
48381								3	3
48621								1	1
48629	6	2	1					10	19
48647								3	3
48651	1	3	1	1				8	14
48653		1							1
48661	1		1						2
48730								1	1
48739								1	1
48742								1	1
48750	3		1					3	7
48756			1					1	2
48763				1					1
48770								1	1
48809	1	2	5	1			1	7	17
48838	9	1	4	1	1	3	4	13	36
49240	1					1			2

49301	1								1
49304		1					1	2	4
49306	1		1					1	3
49315	2	5			1			2	10
49316	1	3	1	1		1		3	10
49319	5	4	1				1	9	20
49321	4	1	3					3	11
49326	3	1	1					4	9
49330	1	2				1	2	2	8
49337	4	8	3		1	1		15	32
49341	3	5	2	1				8	19
49343		1	1						2
49345	3	4	2			1		5	15
49347	2	2						1	5
49348		1							1
49349								4	4
49401	5	3	2		1			3	14
49404	1	1							2
49412		1	1	1			1	2	6
49415	1		1					1	3
49418	2	3	2	1				3	11
49420	5	2	3					4	14
49421	1	1						6	8
49425			2					5	7
49426	5	2	1					1	9
49428	4	2					1	2	9
49431	7	10	3	2	1			14	37
49435	1								1
49437	3	2	2				1	10	18
49440	2	3	1	2	1				9
49441	78	81	23	7	13	4	7	64	277
49442	148	150	54	15	24	14	12	140	557
49444	111	103	47	24	18	3	4	130	440
49445	29	36	4	3	3	1		26	102
49446	1						1	1	3
49449						1		1	2
49451								3	3
49454	1	1		2				1	5
49455	1	2						2	5
49456	4	2	1					4	11
49457	6	6		3		1		18	34
49461	7	3	4	2			1	5	22
49503	18	19	5	2	2	1		17	64
49504	22	20	8	5	2	1	2	8	68
49505	12	12	2	2	1	2		13	44
49506	19	13	4	3		1		12	52
49507	48	40	18	1	5	6	6	51	175
49508	19	18	4	1	1	1	1	15	60
49509	8	8	1	2	4		1	13	37
49512	7	7	4			2	1	5	26
49519	9	9	4	1	2			9	34
49525	6	7	1	2				5	21
49534	3	4		1	2	1	1		12
49544	6	1					1	7	15
49546	7	4		1				7	19
49548	25	39	6	1	6	3	1	28	109
49601								3	3
49616		1						3	4
49617	1							2	3
49621		1		1				1	3
49622				1	1			3	5
49628	1	1						1	3
49635		1	1			1			3
49637		1						3	4
49640	1	1		1				1	4
49642								1	1

49643	2	4		1				2	9
49649		1	1		1				3
49650	2		1		1				4
49653	1	1							2
49654	1							1	2
49659	1	1			1			3	6
49660	2	7	2	1			1	11	24
49663		1						2	3
49664	1	1					1		3
49670	1							1	2
49682	1	2	2	1				6	12
49684	10	6	3	1	2			5	27
49685	15	13	4	3				16	51
49686	14	13	5	2	2		1	21	58
49690		1							1
49696	2	2		1				5	10
49701			1						1
49706	2	1						1	4
49707	2	4	1	1	1	1	2	16	28
49712								2	2
49713	1								1
49715		5	1	1				5	12
49720		1	1		1			5	8
49721		1						3	4
49727		2						3	5
49729								1	1
49735	2	4			2	1		1	10
49740			2						2
49749		1	1						2
49756	2	2				1		5	10
49766							1	2	3
49770								3	3
49776								1	1
49779			2					1	3
49780			1	1				1	3
49783	10	8	3	4	2		1	39	67
49788	3	5	5				1	10	24
49799	1								1
49801	4	2	4	1	1			23	35
49802	3		3			1	3	13	23
49821								1	1
49829	7	6	2	1	4	1	4	26	51
49837	2	1		1				12	16
49841	1							1	2
49845								1	1
49852								1	1
49862	1	2	1			1		2	7
49870	2	3						8	13
49874								1	1
49876				1				1	2
49878								2	2
49886								2	2
49887		2						1	3
49891								2	2
49892			1					1	2
49894	1							2	3
49895								1	1
49896	1	2				1		14	18
49915			1					5	6
49920	4	1						4	9
49935	1	1			1	2		11	16
49964			1						1

FLODG-9

For each month of 2025, please state the number of shutoff notices that DTE Gas issued to customers and, of those notices, how many led to: (a) the customer having their gas shut off for nonpayment; (b) the customer paying their bill to avoid a shutoff without enrolling in a payment plan; (c) the customer enrolling in a payment plan; (d) the customer being protected from the shut off without paying (e.g., for seniors in the winter); or (e) other action on behalf of the customer or DTE Gas. To the extent that there are actions that fit under category (e), please explain what kind of actions fit into category (e).

2025	For each month of 2025, please state the number of shutoff notices that DTE Gas issued to customers and, of those notices, how many led to:	(a) the customer having their gas shut off for nonpayment	(b) the customer paying their bill to avoid a shutoff without enrolling in a payment plan;	(c) the customer enrolling in a payment plan	(d) the customer being protected from the shut off without paying (e.g., for seniors in the winter)	(e) other action on behalf of the customer or DTE Gas. To the extent that there are actions that fit under category	please explain what kind of actions fit into category.
Jan	112,336	1,328	86,781	17,596	-	27,032	Locks
Feb	113,294	2,001	88,657	17,083	-	23,502	Locks
Mar	123,222	2,102	95,065	18,760	-	25,598	Locks
Apr	147,568	2,963	107,362	24,029	-	26,907	Locks
May	126,655	2,984	92,029	21,631	-	20,601	Locks
Jun	94,845	2,615	65,779	17,628	-	16,031	Locks
Jul	89,930	3,316	59,511	19,177	-	18,007	Locks
Aug	99,427	3,439	71,141	17,955	-	18,783	Locks
Sep	98,760	2,751	71,573	17,631	-	19,108	Locks
Oct	90,522	1,812	66,703	14,534	-	15,969	Locks
Nov	61,948	1,001	45,336	10,771	-	12,529	Locks
Dec	91,427	776	24,637	16,758	-	21,641	Locks

Note: Seniors in winter are not issued a shutoff notice.

Michigan Public Service Commission
DTE Gas Company
Cost Estimation Analysis: 2025 Actuals vs. Projected

Case No: U-21973
Exhibit: A-34
Schedule: X1
Witness: A. L. Bolda
Page: 1 of 1

Line	Spend Year	Business Case/Project Name	IT Spend Category	IT Capital Actuals	U-21973 Total Projected Capital IT Cost	Percent Change
1	2025	Records & Workflow Management	Regulatory/Compliance	$ 1,500.96	$ 1,496.96	0.3%
2	2025	Ackwire License Renewal	Sustainment	$ 427.16	$ 400.00	6.8%
3	2025	Gas Application Health	Sustainment	$ 957.19	$ 1,086.30	-11.9%
4	2025	Picarro Survey unit Renewal	Sustainment	$ 6,513.27	$ 6,000.00	8.6%
5	2025	End of Life (EOL) Gas Device Program	Return-to-Health	$ 2,511.05	$ 1,846.79	36.0%
6	2025	Field Service Edge (FSE) Replacement	Return-to-Health	$ 11,485.42	$ 11,799.98	-2.7%
7	2025	Gas Scada Upgrade	Return-to-Health	$ 1,294.36	$ 1,239.87	4.4%
8	2025	Kloudgin Implementation	Return-to-Health	$ 3,038.85	$ 3,600.00	-15.6%
9	2025	ClickSoft Enhancements	IT Enhancements	$ 153.01	$ 200.02	-23.5%
10	2025	Gas Enhancements	IT Enhancements	$ 475.48	$ 405.11	17.4%
11	2025	Corrosion Database Upgrade	Strategic	$ 67.72	$ 144.99	-53.3%
12	2025	rgy Gas MOC (Management of Change) and CAR (Corrective Action Review) Implement	Strategic	$ 470.33	$ 436.31	7.8%
13	2025	Gas Quotation Application Upgrade	Strategic	$ 269.27	$ 300.00	-10.2%
Total Cost of Projected Costs in U-21973 vs Actual Costs				**$ 29,164.06**	**$ 28,956.34**	**0.7%**
				Overall Portfolio Performance		**Under -Recovery**

Michigan Public Service Commission
DTE Gas Company
Employee Savings Plan (ESP): Staff Correction
($000)

Case No.: U-21973
Exhibit: A-35
Schedule: Y1
Witness: M. A. Fix
Page: 1 of 1

Line No.	(a) Description	(b) 2019	(c) 2020	(d) 2021	(e) 2022	(f) 2023	(g) 2024
1	**Total Costs**						
2	ESP total cost	$ 13,486	$ 14,693	$ 15,665	$ 16,274	$ 16,845	$ 16,979
3	Add back: excess forfeitures due to 2024 accounting change						373
4	Normalized ESP Cost	$ 13,486	$ 14,693	$ 15,665	$ 16,274	$ 16,845	$ 17,352
5							
6	Annual growth rate		9.0%	6.6%	3.9%	3.5%	3.0%
7							
8	Adjusted five-year average annual growth rate						5.2%
9							
10	Normalized 2024 ESP						$ 17,352
11	5-year average annual growth rate (2020-2024)						5.2%
12	2025 ESP cost						18,254
13	2026 ESP cost						19,202
14	2027 ESP cost						20,199
15	Projected test year cost						$ 19,950
16							
17	Percent expensed						60.3%
18							
19	Projected test year ESP						$ 12,026
20							
21	**Staff Expense (Exhibit S-14.3)**						11,631
22							
23	**Required increase to Staff projection**						$ 395

Michigan Public Service Commission
DTE GasCompany
Revised Employee Savings Plan Projections
($000's)

Case No.: U-21973
Exhibit: A-35
Schedule: Y2
Witness: M. A. Fix
Page: 1 of 1

Line No	(a) Description	(b) 2025 Recorded	(c) Inc/(Dec)	(d) 2026	(e) Inc/(Dec)	(f) 2027	(g) 9/30/2027
1	Funding						
2	401(k)	12,402	899	13,301	417	13,718	13,614
3	In Lieu of Pension	6,136	938	7,074	635	7,708	7,550
4	Total Funding	18,539	1,837	20,375	1,051	21,426	21,164
5	Forfeitures	(496)	105	(392)	(12)	(403)	(400)
6	Other	(3)	3	-	-	-	-
7	Total ESP Costs	18,040	1,944	19,984	1,039	21,023	20,763
8							
9	% Capitalized	38.1%		38.1%		38.1%	38.1%
10							
11	Capitalized	(6,878)		(7,619)		(8,016)	(7,917)
12							
13	ESP Expense	11,161	1,203	12,364	643	13,007	12,847

Michigan Public Service Commission
DTE Gas Company
AIP and REP 2020-2025 Performance Weighted Results

Case No.: U-21973
Exhibit: A-35
Schedule: Y3
Witness: M. A. Fix
Page: 1 of 1

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)
			Performance Results																		
			AIP							**AIP Exec**					**REP**						
		Measure	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**Average**	**2022**	**2023**	**2024**	**2025**	**Average**	**2020**	**2021**	**2022**	**2023**	**2024**	**2025**	**Average**
1	**DTE Gas**																				
2		Less than Threshold	3	3	0	4	0	1		0	4	0	1		3	3	0	4	0	1	
3		Between Threshold and Less Than Target	3	1	1	1	4	0		1	1	4	0		2	0	1	1	3	0	
4		Target	0	0	1	0	2	0		1	0	2	0		0	0	1	0	2	0	
5		Between Target and Maximum	3	3	5	2	1	4		5	2	1	4		3	3	4	1	1	3	
6		Maximum	4	2	2	2	1	3		2	2	1	3		4	2	2	2	1	3	
7		Measures	13	9	9	9	8	8		9	9	8	8		12	8	8	8	7	7	
8																					
9		Sum of performance for all measures	1252.2%	795.4%	1165.5%	664.7%	792.3%	995.2%		1260.1%	735.2%	823.1%	1093.5%		1096.7%	655.3%	965.7%	483.4%	703.2%	780.2%	
10																					
11		Average performance	96.3%	88.4%	129.5%	73.9%	99.0%	124.4%	103.0%	140.0%	81.7%	102.9%	136.7%	115.3%	91.4%	81.9%	120.7%	60.4%	100.5%	111.5%	95.0%
12																					
13	**DTE LLC**																				
14		Less than Threshold	3	2	0	4	1	0		0	4	1	0		3	2	0	4	1	0	
15		Between Threshold and Less Than Target	2	1	1	0	1	1		1	0	1	1		2	1	1	0	1	1	
16		Target	0	0	2	0	1	0		2	0	1	0		0	0	2	0	1	0	
17		Between Target and Maximum	4	2	2	1	1	3		2	1	1	3		3	1	1	0	0	2	
18		Maximum	4	1	1	1	1	1		1	1	1	1		4	1	1	1	1	1	
19		Measures	13	6	6	6	5	5		6	6	5	5		12	5	5	5	4	4	
20																					
21		Sum of performance for all measures	1340.8%	480.2%	728.0%	314.5%	480.0%	658.7%		776.6%	352.6%	515.0%	715.4%		1111.8%	335.3%	554.6%	150.0%	333.3%	465.8%	
22																					
23		Average performance	103.1%	80.0%	121.3%	52.4%	96.0%	131.7%	96.3%	129.4%	58.8%	103.0%	143.1%	108.6%	92.7%	67.1%	110.9%	30.0%	83.3%	116.5%	81.6%
24																					
25																					
26	**Total**																				
27		Less than Threshold	6	5	0	8	1	1		0	8	1	1		6	5	0	8	1	1	
28		Between Threshold and Less Than Target	5	2	2	1	5	1		2	1	5	1		4	1	2	1	4	1	
29		Target	0	0	3	0	3	0		3	0	3	0		0	0	3	0	3	0	
30		Between Target and Maximum	7	5	7	3	2	7		7	3	2	7		6	4	5	1	1	5	
31		Maximum	8	3	3	3	2	4		3	3	2	4		8	3	3	3	2	4	
32		Measures	26	15	15	15	13	13		15	15	13	13		24	13	13	13	11	11	
33																					
34		Sum of performance for all measures	2593.0%	1275.6%	1893.5%	979.2%	1272.3%	1653.9%		2036.7%	1087.8%	1338.1%	1808.9%		2208.5%	990.6%	1520.3%	633.4%	1036.5%	1246.0%	
35																					
36		Average performance	99.7%	85.0%	126.2%	65.3%	97.9%	127.2%	100.3%	135.8%	72.5%	102.9%	139.1%	112.6%	92.0%	76.2%	116.9%	48.7%	94.2%	113.3%	89.9%
37																					
38		Combined Average																			100.9%

Business Group on Health Survey: 9% Health Care Cost Increase for 2026



For 2nd year in a row, health care costs sharply outpace projections, largely due to prescription drugs, chronic and complex conditions, persistent delivery system flaws

WASHINGTON, DC, August 19 — Employers will need to act with greater urgency and willingness to be bold as they head into 2026 after a second year of actual health care costs sharply outpacing projections, according to Business Group on Health's *2026 Employer Health Care Strategy Survey,* released today in Washington, D.C.

Employers predict that health care cost trend increases for 2026 will come in at a median of 9%, offset to 7.6% with plan design changes. These somber forecasts come as more employees use GLP-1s for obesity, receive cancer diagnoses and use mental health services, the survey showed. On a compounded basis, costs in 2026 are likely to be 62% higher than 2017 levels.

"In this challenging environment, employers remain firmly committed to an ongoing investment in employee health and well-being," said Ellen Kelsay, president and CEO of Business Group on Health. "Yet they will need to make bold and strategic moves to contain costs, sometimes disrupting health care models along the way."

Kelsay added, "For instance, we will see them rigorously evaluating benefit offerings, vendor performance and patient outcomes. We will also see more employers exploring non-traditional health plan and pharmacy benefit manager (PBM) models. And as employers urge workforces to use health plan resources and navigation tools to find high-value care, we'll see more people using primary care and getting recommended screenings and immunizations."

Employer respondents said other interrelated priorities for the coming year were affordability for both their businesses and workforces; a greater reliance on utilization management and weight management programs in concert with GLP-1s to ensure optimal outcomes in obesity treatment; and assessment of mental health access and appropriateness of care.

The Business Group on Health survey gathered data on key topics related to employer-sponsored health care for the coming year. A total of 121 employers across varied industries, who together cover 11.6 million people, completed the survey between June and July 2025.

Additional details on employers' top areas of concern, according to the survey:

Employers now face steeper health care cost increases, exacerbated by actual health care costs greatly exceeding employer forecasts for the second year in a row.
In 2023 and 2024, employers experienced the highest back-to-back increases in a decade, beyond forecasted levels. As a result, employers started 2025 at a major cost disadvantage; further, employers predicted that health care cost increases for 2026 will come in at a median of 9%, which employers will manage down to 7.6% with plan design changes.

The unfavorable cost environment precipitates a call to action for employers to address health care spending.
Both the unit cost and utilization of health care services have surged, and employers and employees must together address affordability. Employers must take a hard look at benefit offerings and eliminate those that do not deliver value. In response to these cost concerns, more than four out of 10 employers (41%) are either changing PBMs or conducting a request for proposal (RFP), while 51% are either changing or conducting an RFP for other health and well-being vendor relationships.

Expensive obesity medications play a significant role in overall health care cost increases, and they will continue to be a challenge.
Fully 79% of employers have seen an uptick in the use of GLP-1s, while an additional 15% anticipate seeing such an increase in the future. In addition, the percent of employers covering GLP-1s for conditions other than diabetes will stagnate as employers try to stabilize their health care costs, while more of those that cover these medications for weight loss will require utilization management, prescriptions from specific providers, participation in a weight management program and higher expectations from vendor partners to deliver sustainable, cost-effective financial models for this class of medications.

A systemic overhaul of the pharmacy supply chain is essential to address pharmaceutical costs for both employers and employees.
While most employers use plan design approaches and other strategies offered by their PBMs, pharmacy cost pressures also have resulted from rising prices, a robust pipeline of expensive therapies and cost-shifting from proposed changes to Medicare and Medicaid. In 2024, nearly a quarter of all employer health care spend (24%) went to pharmacy expenses. Further, employers see no relief on the horizon, with a forecast of an 11% to 12% increase in pharmacy costs heading into 2026. This cannot be remedied by plan design changes, and employers need to explore PBM models that champion transparency and rely less on rebates.

American health care costs have hampered multinational employers' ability to execute their health benefits strategy outside the United States, making global health care costs a growing concern.
When asked about the impact of U.S. health care costs on global benefits, 67% of multinational employers said it affected worldwide offerings. Moreover, when asked about controlling health care costs outside the United States, three-quarters of multinational employers indicated some level of concern, with 34% expressing the strongest levels of concern. Cancer, musculoskeletal conditions, cardiovascular issues and diabetes were again identified as the top cost drivers of concern worldwide.

Employers need to continue to innovate and drive change to optimize the care that their employees receive. Crucial to this effort is employers holding vendors more accountable for value and challenging them to present bold ideas to improve care and the employee health care experience.
Against this backdrop of rising costs and the need for increased value, employers see several approaches as having promise to improve quality of care: navigation to higher-quality providers (selected by 82% of employers), greater transparency of quality data (82%) and coordination of integrated care teams (79%). However, these actions are dependent on partners' ability to bring forward bold ways to promote, enable and demonstrate quality. Appropriate site-of-care selection can link quality to lowered cost. Employer strategies also include creative methods of deploying center of excellence (COE) programs and expanding the use of COEs to cover conditions that are highly prevalent across a broader segment of the population.

Cancer is the top condition driving employer health care costs for the fourth year in a row, made worse by a growing prevalence of cancer diagnoses and the escalating costs of treatment.
Accordingly, employers will have a greater focus on cancer prevention and screening coverage, including alternatives to colonoscopies, expanding coverage of breast cancer screenings and removing age restrictions on preventive care coverage. Employers also recognize that access to high-value treatments is essential, with about half offering a cancer COE in 2026, and another 23% considering doing so by 2028.

Most employers have seen an increase in the use in mental health services, making it an emerging cost driver. As employers continue to seek ways to expand access to mental health services, they want to ensure that offerings are high-quality and appropriate.
Fully 73% of employers reported an increase in mental health and substance use disorder services, while another 17% anticipate a future increase.

Women's preventive care, menopause and enhanced maternity support will continue to expand as employers boost their recognition of women's unique health needs.
In 2026, 58% of employers will expand preventive care for women, an increase of 22 percentage points in just two years. While 58% of employers will provide menopause support programs, an additional 25% of employers said they planned to expand programs for menopause by 2028. This is a noteworthy change from 2024, when only 28% of employers had programs in place to support employees going through menopause. In addition, enhancements on the rise include employer coverage of doula services (36%), services to treat postpartum depression (55%), initiatives to support high-risk pregnancies in under-resourced populations (43%) and group-based prenatal care (30%).

ERISA and the favorable tax treatment of benefit plans remains central to employers' ability to offer comprehensive, high-quality and affordable coverage.
Almost all employers – 99% – said protecting and affirming ERISA was a key policy imperative. When employers were asked to rank their top priorities for the U.S. government, 85% responded with protection of tax-free status as one of their top five, followed closely by protection of ERISA preemption (81%). In addition, more than six in 10 employers (62%) said they would also prioritize pharmacy supply chain reform.

About Business Group on Health

Business Group on Health is the leading non-profit organization representing employers' perspectives on optimizing workforce strategy through innovative health, benefits and well-being solutions and on health policy issues. The Business Group keeps its membership informed of leading-edge thinking and action on health care cost and delivery, financing, affordability and experience with the health care system. Business Group members

include the majority of Fortune 100 companies as well as public-sector employers, who collectively provide health and well-being programs for more than 60 million individuals in 200 countries. For more information, visit www.businessgrouphealth.org.

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Business Group on Health

Access & Affordability

Eight Trends Shaping 2026 Healthcare Costs

By Lynne Cotter, Emma Wager, Hattie Xu, Tom Lebert, Julia Harris, Brad Brockbank, and Matthew Rae

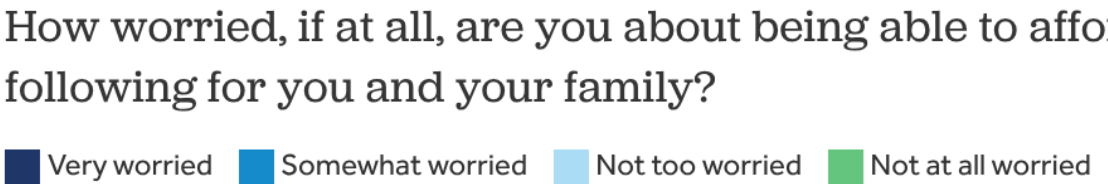
March 17, 2026

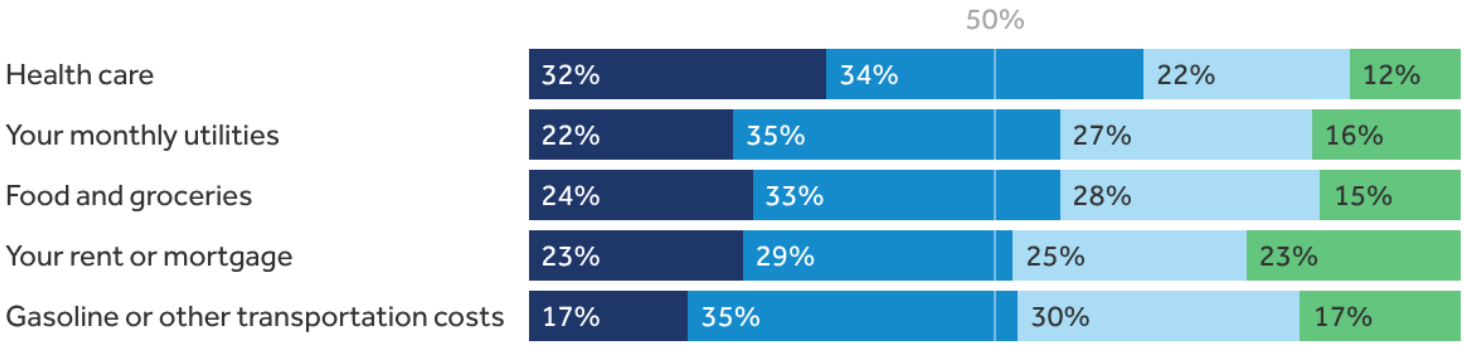
The year opened with renewed political attention on healthcare following the longest federal government shutdown in U.S. history. The stalemate centered on whether to extend enhanced Affordable Care Act tax credits but expanded to broader conversations about the cost of health insurance and alternative ways to pay for care. With the shutdown behind us, will policymakers and the public sustain their focus on issues of healthcare spending and affordability? What other cost-related topics should we watch in the months ahead?

Healthcare represents nearly one in every five dollars spent in the U.S. economy. These costs are shared between the federal government (31%), state and local governments (16%), employers (18%), individuals (6%), and other payers. While federal policymakers have yet to turn to broad cost containment strategies, they continue to explore options for addressing healthcare costs for individuals alongside narrower policies aimed at reducing prices for specific drugs or services.

This brief highlights trends contributing to rising healthcare costs and identifies issues shaping this year's policy debates, though there is little expectation for much legislative action at the federal level during an election year.

1. Healthcare costs remain top of mind for many Americans





Note: Healthcare includes the cost of health insurance and out-of-pocket costs for things like office visits and prescription drugs. Monthly utilities include electricity or heat. See topline for full question wording.

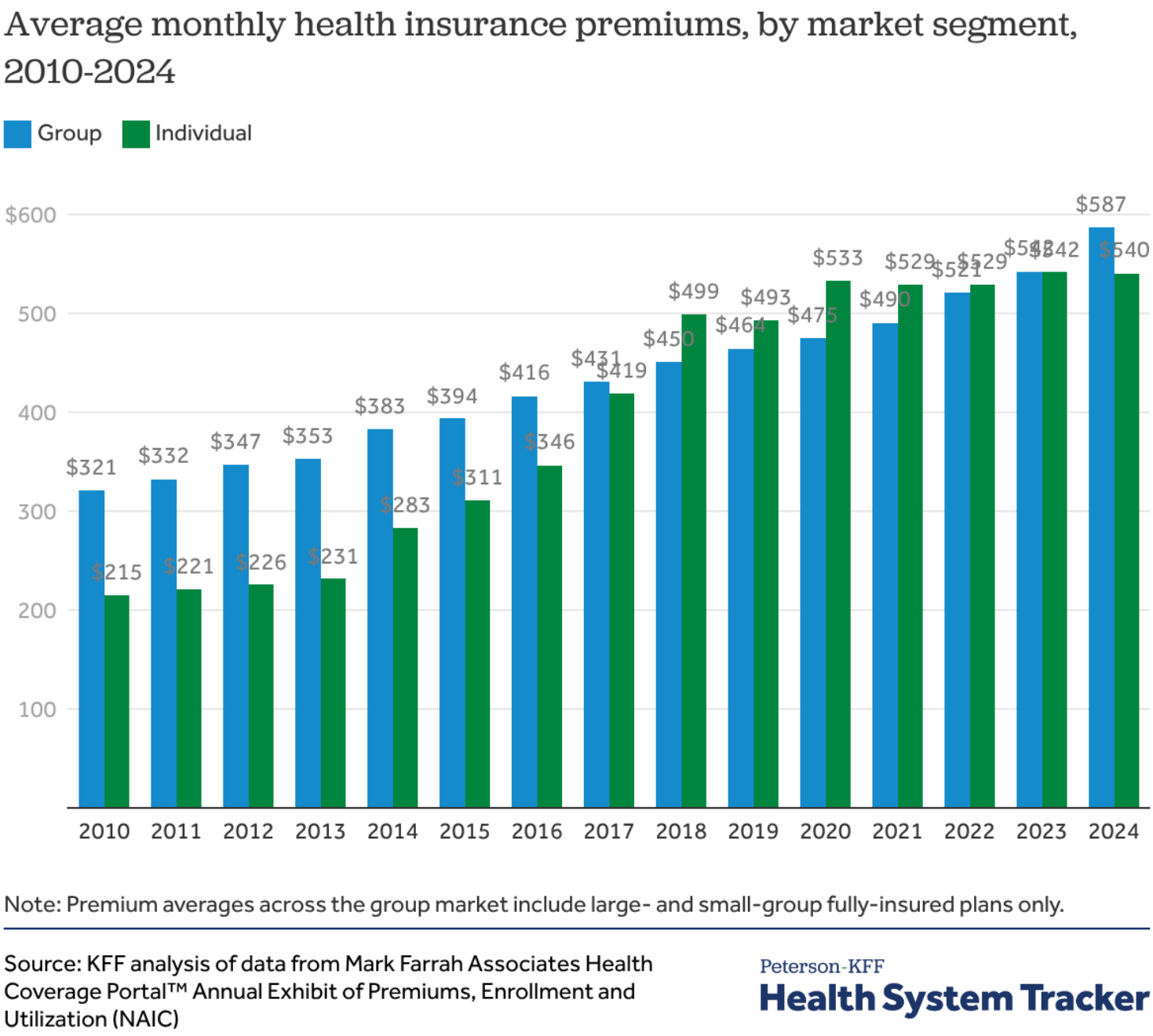
Source: KFF Health Tracking Poll (January 13-20, 2026)

Peterson-KFF
Health System Tracker

The cost of healthcare in the U.S. continues to grow and remains significantly higher than in peer countries. Recent cost-of-living increases have squeezed household budgets, making healthcare costs the top household expense worrying the public. A family of four with employer-sponsored coverage contributed $6,296 in premiums and incurred $3,564 in out-of-pocket spending in 2023. Private insurance costs are expected to rise even higher in the coming year.

Conversations about affordability will likely be prominent leading up to the midterm elections: Consumers identify healthcare at the center of the affordability crisis, above food, rent, and utilities. Healthcare affordability remains a concern for people with various types of insurance, from individual market plans to employer-sponsored insurance.

2. Premiums have increased across commercial and individual marketplaces

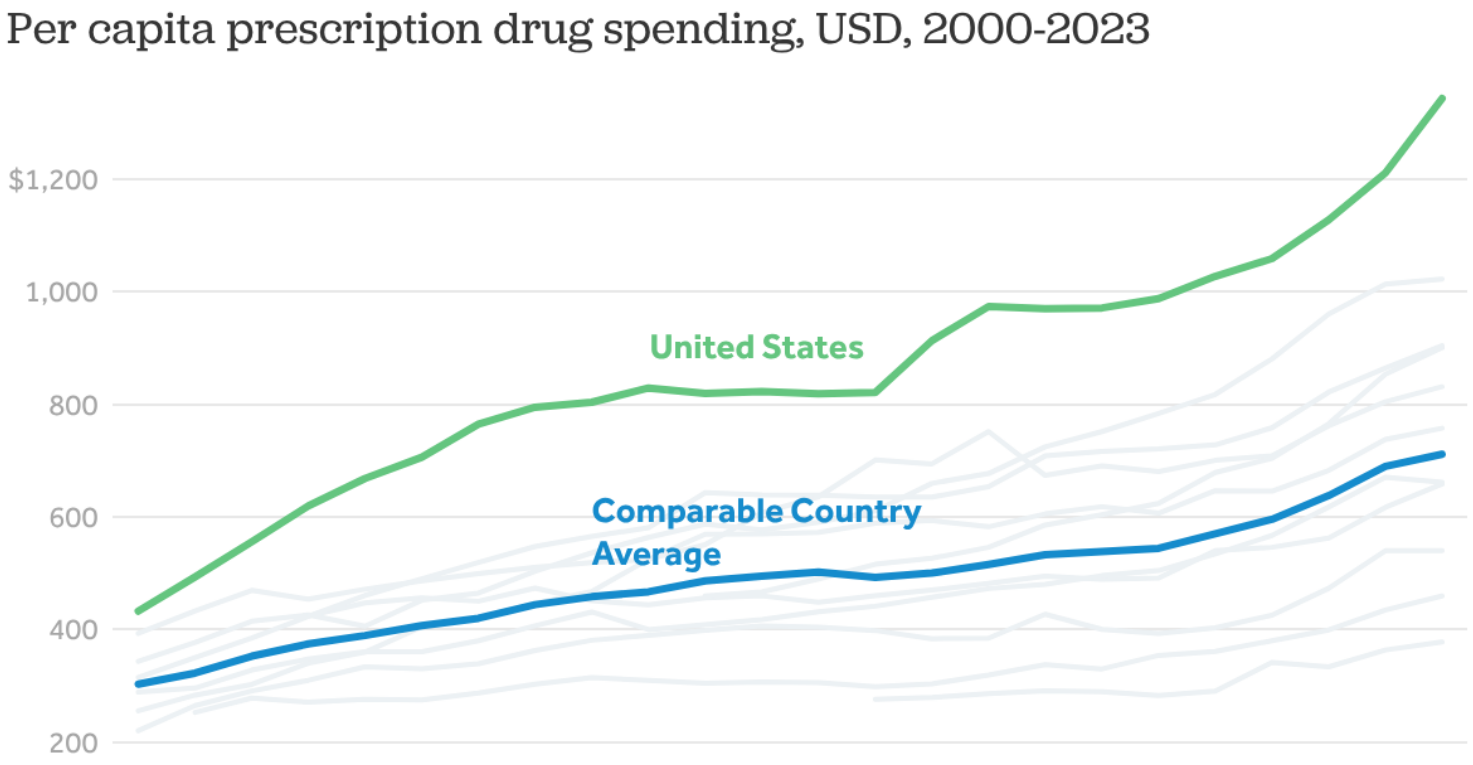


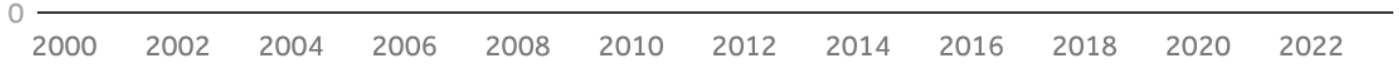
Peterson-KFF
Health System Tracker

decisions. In 2026, more than 1 million fewer people signed up for a Marketplace plan, though initial numbers may not show the full impact on coverage rates.

In the lead up to the midterm elections, the drivers of healthcare spending and alternative policy proposals—such as restoring enhanced ACA tax credits and reversing Medicaid cuts from Democrats, and ideas like expanding health savings accounts from Republicans—may attract sustained attention.

3. The public and private sectors are looking for solutions as U.S. spending on prescription drugs continues to increase





Notes: Data for Sweden are missing before 2001, Belgium before 2003, Austria before 2004, Switzerland before 2010, and the U.K. before 2013. There is a difference in methodology for Canada in 2020, 2021, and 2022. Most recent year data for Canada and Japan are provisional. 2023 data for Australia are from 2022. Data are current prices an PPP adjusted.

Source: KFF analysis of OECD data

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The U.S. spends roughly twice as much per capita on prescription drugs compared to peer nations, and many Americans identify drug costs as an important political issue and an affordability concern. The Inflation Reduction Act, including Medicare price negotiations for a list of eligible drugs, led to lower costs for some beneficiaries and the federal government. However, the U.S. continues to pay more for the same drugs than peer nations.

The Trump Administration unveiled a series of initiatives aimed at addressing prescription drug affordability, including the launch of the TrumpRx website, which seeks to negotiate "most favored nation" individual cash-price deals directly with pharmaceutical companies. Because most Americans obtain their medications through insurance coverage, the breadth of the impact of these deals, which are aimed at decreasing the cash price of prescription drugs, may be modest. Some insurers requested increases in their 2026 premiums with the expectation of higher drug costs due to the threat of tariffs from the White House.

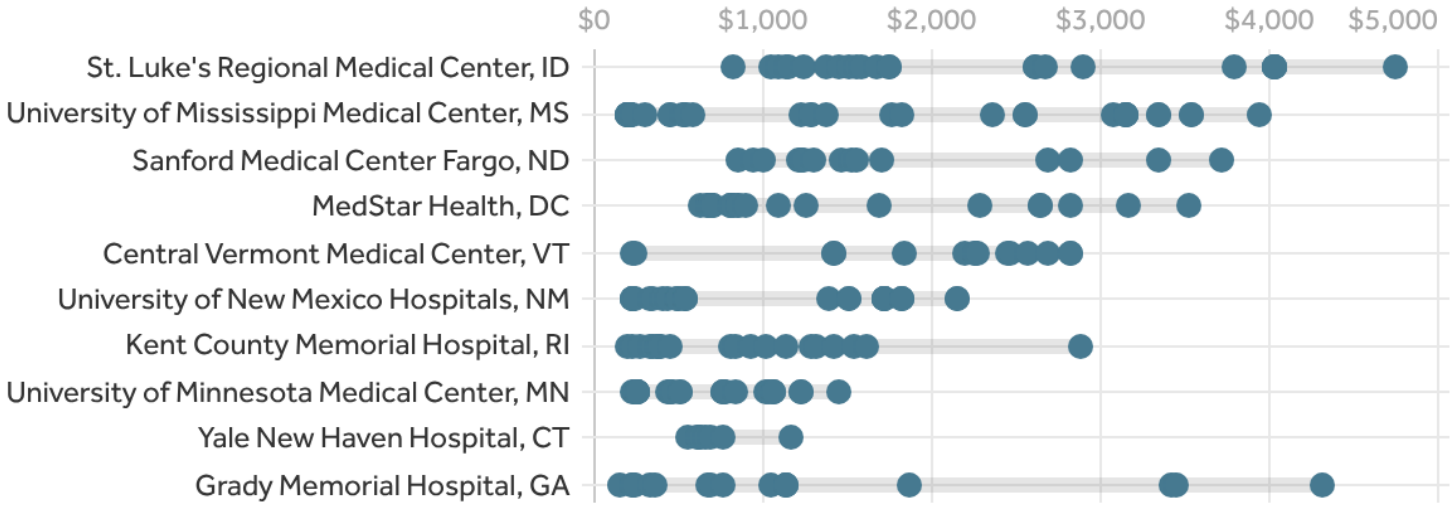
Congress and President Trump have also signaled an interest in reforming prescription benefit managers (PBMs). The Consolidated Appropriations Act of 2026 was signed into law in February and introduced reporting requirements and structural changes for PBM payments. This includes moving compensation to a service-based flat-fee instead of percentage based in Medicare and mandating that any drug rebates be fully passed through to the plan sponsor for Medicare and group health plans. Other recent federal actions have sought to continue to reduce drug prices through PBM reform.

Employers are deciding if and how they should cover the popular GLP-1 agonists used to treat diabetes, weight loss, and other conditions. The cost burden led some employers to drop coverage for weight loss in 2026, though costs may be mitigated by a growing direct-to-consumer market, new oral pills that are easier to administer and potentially less costly, and virtual solutions to manage costs and maximize outcomes.

Further, many high-cost drugs (e.g., cell and gene therapies) are administered in high-cost settings, such as hospital outpatient departments, contributing to hospitals accounting for 40% of overall healthcare spending growth in the past year.

4. Price transparency for healthcare prices has momentum

Distribution of payer-specific negotiated rates for MRI of the lower spine, across ten hospitals, 2021



Note: Dots indicates payer-specific negotiated rates for MRIs of the lower spinal canal. See methods section of Early results from federal price transparency rule show difficulty in estimating the cost of care for more details.

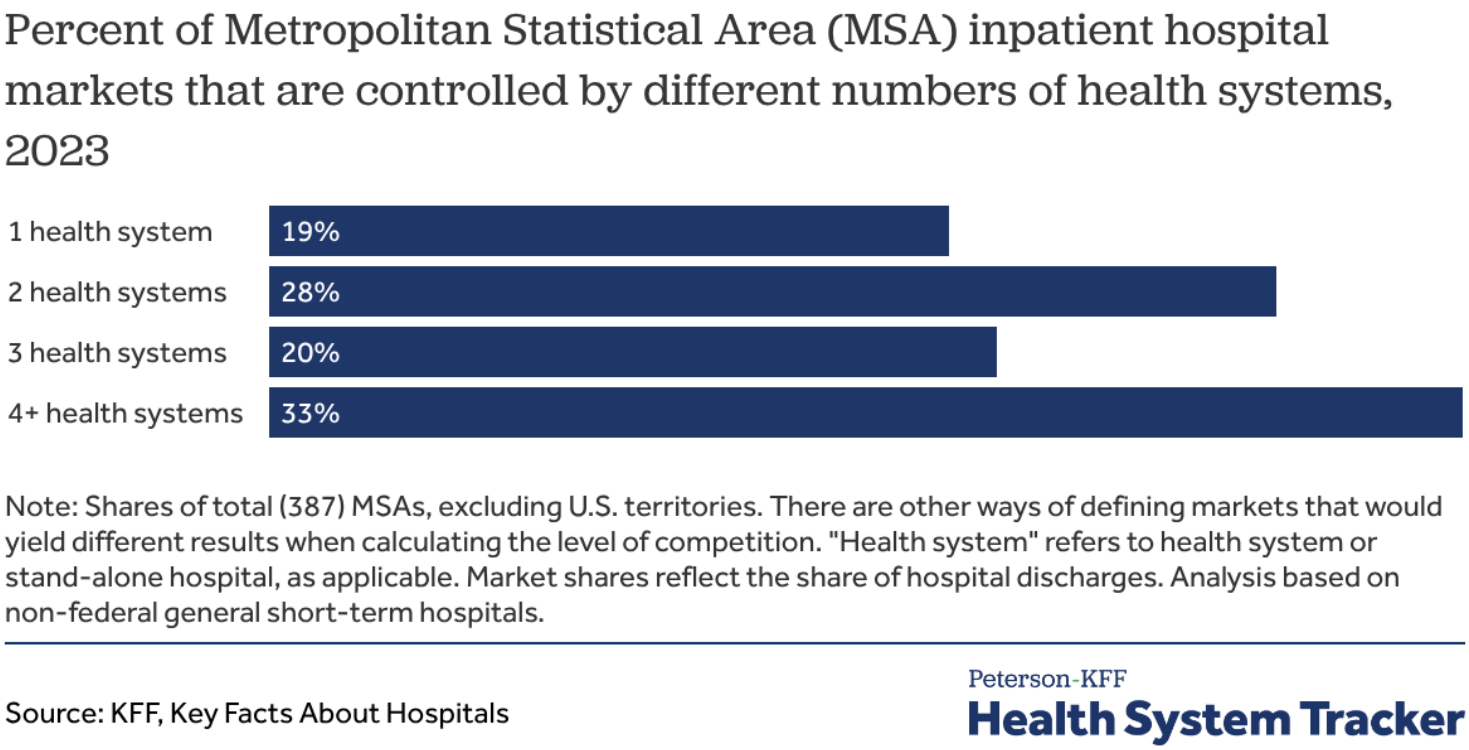
Source: KFF analysis of machine-readable files downloaded from listed hospitals in January 2021

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Price transparency data shows that prices for the same service can vary depending on the payer and across providers. Providing clear and accurate pricing should, in theory, improve the ability of consumers and employers to negotiate or shop for lower prices. Many employers, consumers, and advocates believe this data could improve affordability by allowing more informed purchasing choices. In January, the CEOs of five major commercial health insurers to Congress that they support improving price transparency. For self-insured employers, this may enable contracting with lower-priced provider networks. Employees and employers may find lower-priced services. Insurance companies have also used the data to negotiate better prices.

Regulations released during the first Trump administration required both hospitals and health plans to release pricing information, yet researchers and consumers have found it difficult to make use of current data, limiting its impact. The current administration and Congress have recently proposed policies and updated regulations to further price transparency. President Trump's recently released healthcare plan includes a requirement for any healthcare provider or insurer who accepts Medicare or Medicaid to post their pricing and fees in their place of business, and HHS Secretary Kennedy recently announced that the federal government will host a hospital service price list. The Patients Deserve Price Tags Act, which would codify existing transparency rules and expand disclosure requirements, has bipartisan support in both the House and Senate. While previous legislation stalled after passing the House, a focus on healthcare costs could spur discussion before the midterm elections.

5. Federal and state policymakers show interest in addressing the impacts of healthcare consolidation

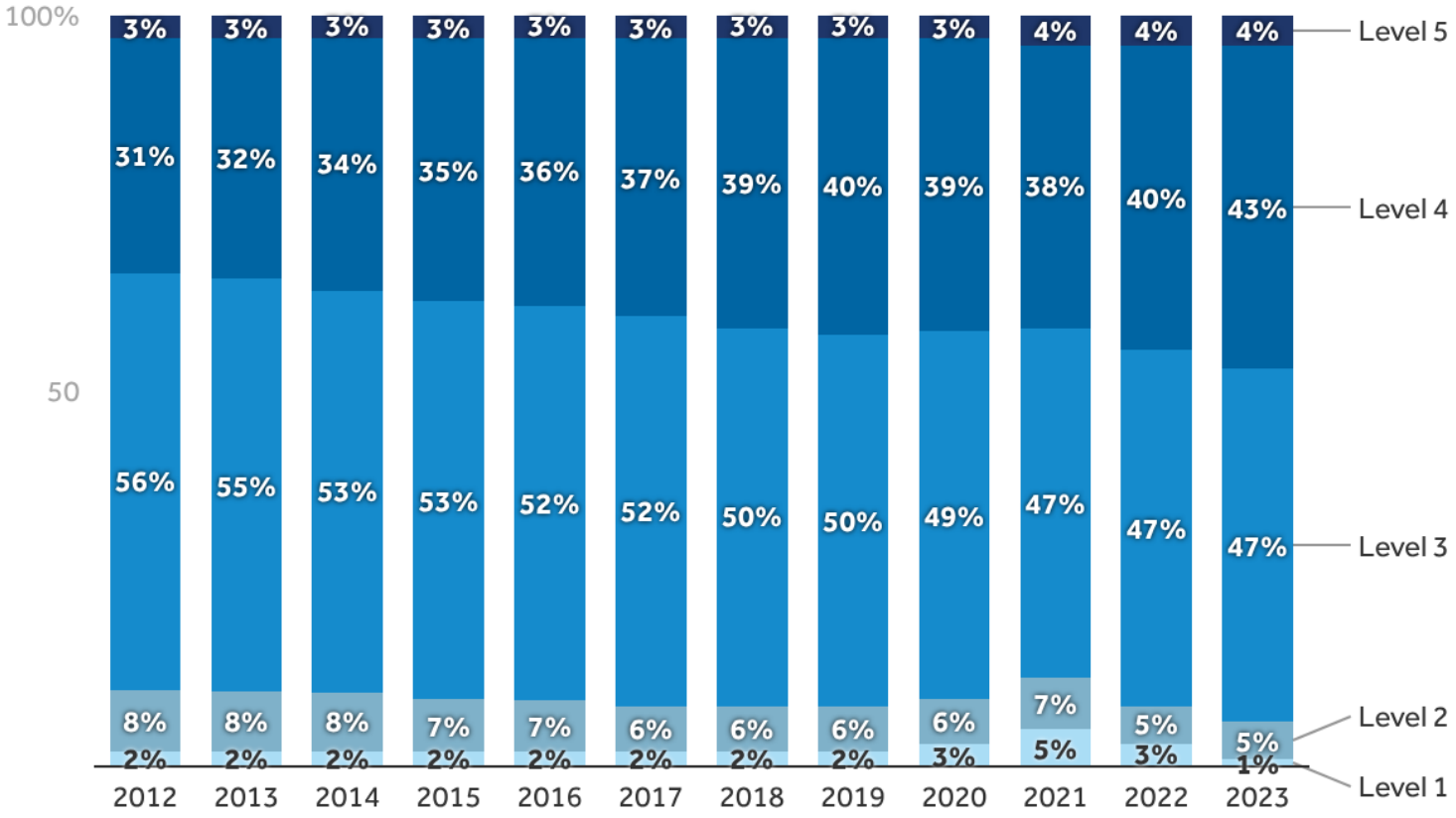


Although mergers and other types of healthcare provider consolidation are promoted as, among other things, improving continuity of care and reducing administrative overhead, they also reduce competition. Provider markets have become highly consolidated. According to KFF analysis, in 2023, one or two health systems provided all inpatient commercial hospital care in about half of U.S. metropolitan areas. A large body of evidence has found that provider consolidation contributes to higher prices, with unclear effects on quality. Consolidation between insurers and providers, as well as insurer market competition, has also received scrutiny, though there is less evidence about its impact.

In addition to recent price transparency momentum, policymakers at both the federal and state level see opportunities to reduce consolidation or increase the competitiveness of healthcare markets in other ways. For example, recent bipartisan legislative proposals include restrictions on anti-competitive contract clauses between providers and payers and prohibitions on some types of vertical consolidation, such as owning both an insurance company and a healthcare provider.

6. The use of artificial intelligence in healthcare is likely to accelerate coding intensity, placing upward pressure on healthcare spending

Share of office, urgent care, and emergency department claims by level, 2012-2023



Source: KFF analysis of Merative™ MarketScan® Commercial Databases, including procedure codes 99211-99215.

Peterson-KFF Health System Tracker

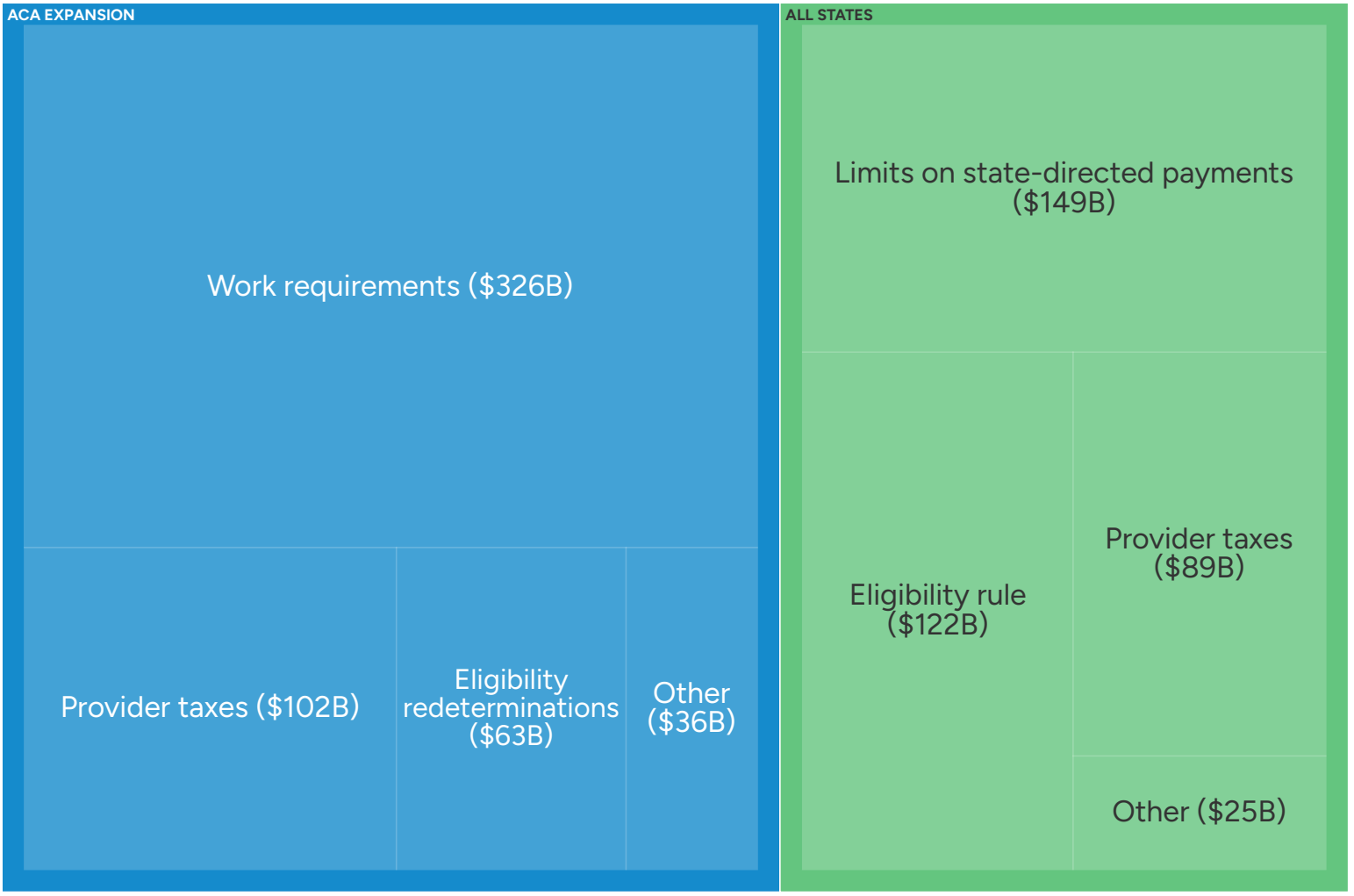
Artificial intelligence (AI) is rapidly reshaping the U.S. healthcare system, notably through the proliferation of ambient scribes. For healthcare providers, these new tools offer the promise of reducing administrative burden and burnout by making it easier to document patient visits. It is estimated that ambient scribes are now used by 10% or more of U.S. physicians.

For healthcare organizations, AI documentation and coding tools automate how a patient visit is captured and translated into medical claims submissions. AI-enabled tools can now thoroughly document patient visits. Better documentation increases the proportion of visits that can be coded as higher complexity, which in turn increases billing. While the proportion of higher-complexity office visits has been growing steadily over the past decade, in part due to an aging, more complex patient population, AI documentation and coding tools will likely accelerate this trend. Payers are already finding that AI-driven documentation and coding is increasing billing amounts (irrespective of the health of the underlying patient population or changes to care delivery). In response, payers are deploying their own changes to coding, utilization management, and payment policies to combat rising spending.

7. States are responding to funding and program implementation pressures with changes to Medicaid beginning in 2027

CBO estimates of federal Medicaid cuts in the enacted reconciliation package

CBO's estimated 10-year federal spending cuts, by policy



Note: Over the 10-year period, the Medicaid spending reductions total $911B, including $79B in estimated Medicaid spending interactions. Without accounting for interactions, the total is $990B. See Methods in Allocating CBO's Estimates of Federal Medicaid Spending Reductions Across the States: Enacted Reconciliation Package for more details.
Source: KFF analysis of CBO estimates of the enacted reconciliation package. ● Get the data

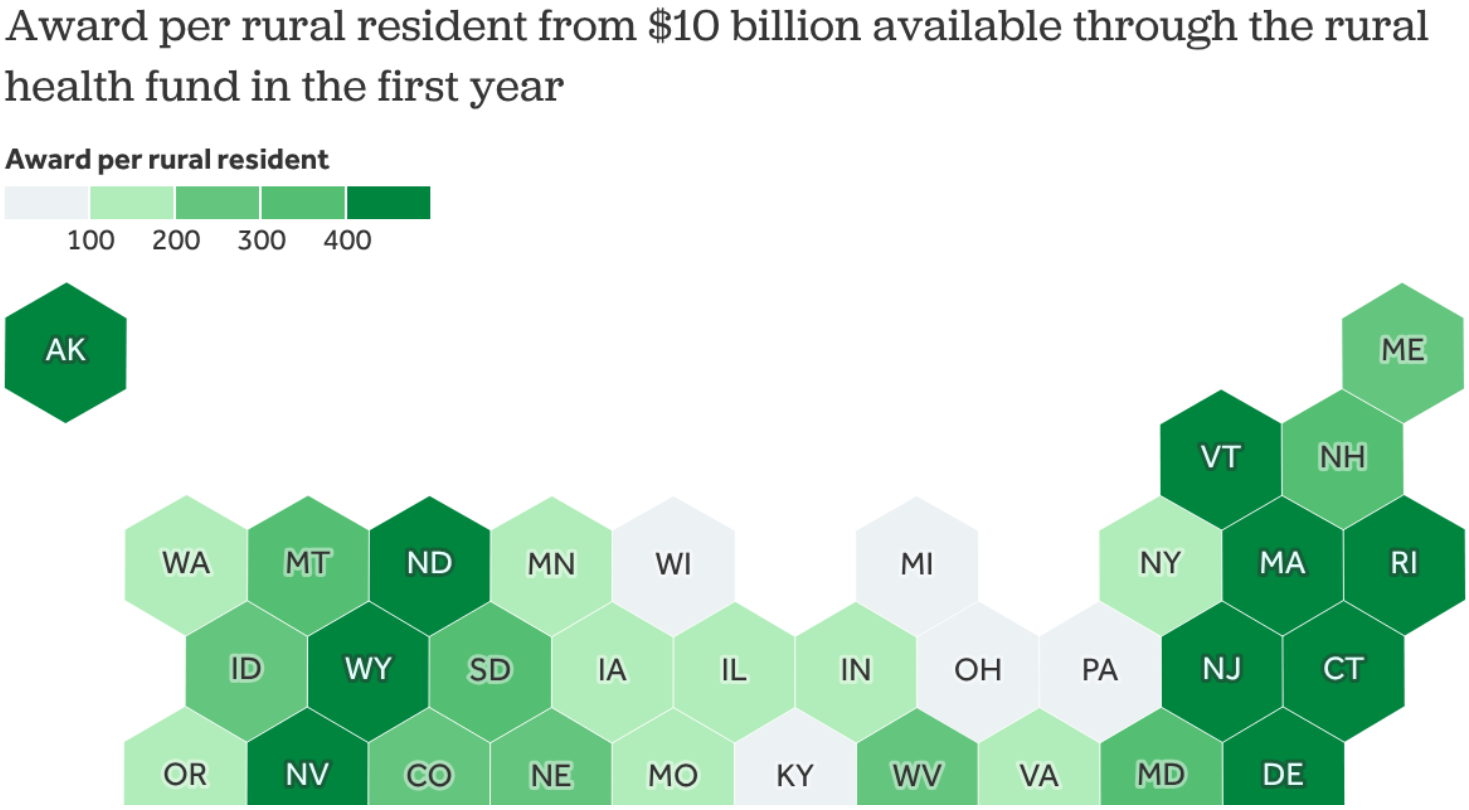
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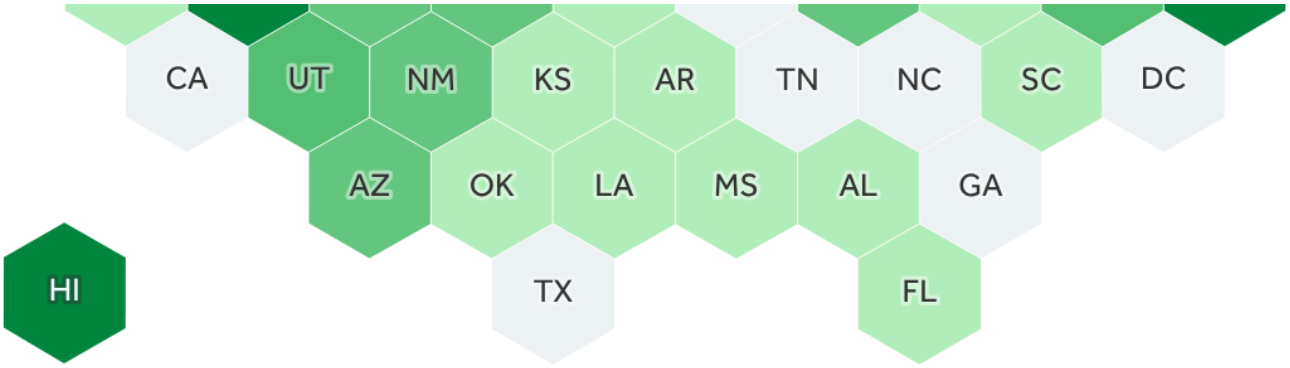
CBO estimates that the **2025 budget reconciliation bill** (also known as the One Big Beautiful Bill Act, or OBBBA) will reduce federal spending in Medicaid by **over $900 billion** over a decade. The OBBBA requires states to implement community engagement requirements for the population of Medicaid enrollees who were made eligible for the program through the Affordable Care Act's Medicaid expansion. Starting in 2027, about **20 million people** will be required to verify that they have worked 80 hours per month, completed other qualified activities, or qualify for an exemption from the requirements. The OBBBA also reduces federal Medicaid spending through financing changes. The law prevents states from establishing new provider taxes or increasing existing taxes and phases down certain existing taxes in Medicaid expansion states. It also caps state-directed payments for hospital and nursing facility services at 100% of Medicare rates for expansion states and at 110% of Medicare rates for non-expansion states. These financing changes could result in reduced payments to providers.

Medicaid changes are expected to create budgetary challenges for states, providers, and beneficiaries. States are grappling with shouldering more costs of the Medicaid program as well as **implementation costs** of the new community engagement requirements

and more frequent eligibility redeterminations. In response to anticipated budget shortfalls, states are weighing a variety of actions to cut Medicaid reimbursement rates and limit benefits like dental care. Providers expect to face revenue reductions and rising costs from uncompensated care. CBO also estimates that about 10 million people will become uninsured as a result of the healthcare provisions in OBBBA.

8. Effective distribution of the Rural Health Transformation Funds will require rapid state action





Note: Overall award per rural resident includes all 50 states. DC and the U.S. territories were ineligible for funding. The rural population for each state is defined based on the HRSA definition of "rural", which CMS uses to allocate a portion of the rural health funds. This definition includes all nonmetropolitan areas as well as some parts of metropolitan areas.

Source: KFF analysis of rural health fund awards from the HHS Tracking Accountability in Government Grants System (TAGGS) and rural population from the Sheps Center Rural Facility and Population Score Estimates by State (October 24, 2025) • Map data: Tilegrams/NPR

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State officials are working to implement the **Rural Health Transformation** program established by OBBBA, which makes available $50 billion to states over five years. Awarded grants for 2026 total $10 billion and range between **$147 million and $281 million** per state. Half of the funds will **be evenly divided** between the states and half will be allocated by CMS based on a variety of factors, including the share of the state population living in a rural area, proportion of rural health facilities, and CMS discretion as outlined in the **Notice of Funding Opportunity**. States **must move quickly** to effectively plan for and spend the money. Rural Health Transformation funds were added to the 2025 reconciliation law to address lawmaker concerns of the potential effects of cuts to Medicaid funding on rural areas, though the funds will not **fully offset** the impact of the Medicaid funding cuts in rural areas. The Medicaid cuts are permanent and exceed the new temporary rural health funding in rural communities and payments to providers for care **cannot exceed** 15% of total transformation fund award.

Each state has **proposed** using some of the funds to deploy various technology-enabled healthcare solutions, including expanding telehealth infrastructure, deploying remote patient monitoring for certain conditions and patient populations, modernizing electronic health record systems, or using AI to support administrative functions, clinical decision-making, and patient management of care. States have also proposed spending the money on a wide variety of other initiatives, including alternative **payment models** or care delivery in lower-cost settings such as **mobile clinics or via telehealth**.

In addition to committing funds, states have adopted, or agreed to adopt, policies that may make them eligible for additional funds. For example, to support the clinical workforce, some states **committed** to participating in interstate licensure compacts and expanding scope of practice for professions such as pharmacists, paramedics, and dental hygienists. Additionally, almost half of states made **policy commitments** to implement SNAP restrictions on certain foods and require providers to complete continuing medical education activities on nutrition to **align** with Trump administration's focus on addressing the drivers of childhood chronic disease.

*Note: Lynne Cotter, Emma Wager, and Matthew Rae are with KFF. Hattie Xu, Tom Lebert, Julia Harris, and Brad Brockbank are with the **Peterson Center on Healthcare**.*

About this site

The Peterson Center on Healthcare and KFF are partnering to monitor how well the U.S. healthcare system is performing in terms of quality and cost.

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Michigan Public Service Commission
DTE Gas Company
Active Health Care: Staff Correction
($000's)

Case No.: U-21973
Exhibit: A-36
Schedule: Z2
Witness: M. S. Cooper
Page: 1 of 1

Line No.	(a) Description	(b) 2019	(c) 2020	(d) 2021	(e) 2022	(f) 2023	(g) 2024
		Active Healthcare					
1	**Growth Rate Calculation**						
2	Active healthcare cost	$ 26,201	$ 28,525	$ 28,143	$ 28,475	$ 27,991	$ 27,637
3	Out-of-period drug rebates						347
4	Extra pay period in 2024						385
5		$ 26,201	$ 28,525	$ 28,143	$ 28,475	$ 27,991	$ 28,369
6	Employees	2,537	2,503	2,508	2,508	2,482	2,351
7	Cost per employee	$ 10.328	$ 11.398	$ 11.220	$ 11.353	$ 11.278	$ 12.065
8							
9	Annual growth rate per employee		10.4%	-1.6%	1.2%	-0.7%	7.0%
10							
11	Five-year average annual growth rate						3.3%
12							
13	**Active Healthcare projected test year calculation**						
14	2024 healthcare cost						$ 28,369
15	Five-year average annual growth rate applied						3.3%
16	2025 healthcare cost						29,294
17	2026 healthcare cost						30,249
18	2027 healthcare cost						31,235
19	Projected test year cost						$ 30,988
20							
21	Percent expensed						60.2%
22							
23	Active healthcare projected test year expense						$ 18,643
24							
25	Staff Witness Rueckert (Exhibit S-14)						17,157
26							
27	Increase to Staff position						$ 1,486

Michigan Public Service Commission
DTE Gas Company
Active Health Care: AG Correction
($000's)

Case No.: U-21973
Exhibit: A-36
Schedule: Z3
Witness: M. S. Cooper
Page: 1 of 1

Line No.	(a) Description	(b) 2019	(c) 2020	(d) 2021	(e) 2022	(f) 2023	(g) 2024	(h) 2025
		Active Healthcare Costs						
1	**Growth Rate Calculation**							
2	Active healthcare cost	$ 26,201	$ 28,525	$ 28,143	$ 28,475	$ 27,991	$ 27,637	$ 29,610
3	Employees	2,537	2,503	2,508	2,508	2,482	2,351	2,388
4	Cost per employee	$ 10.328	$ 11.398	$ 11.220	$ 11.353	$ 11.278	$ 11.754	$ 12.401
5								
6	Annual growth rate per employee		10.4%	(1.6%)	1.2%	(0.7%)	4.2%	5.5%
7								
8	Five-year average annual growth rate							3.2%
9								
10	**Active healthcare projected test year calculation**							
11	2025 active healthcare costs							$ 29,610
12	Five-year average annual growth rate applied							3.2%
13	2026 healthcare cost							30,549
14	2027 healthcare cost							31,519
15	Projected test year cost							31,276
16								
17	Percent expensed							61.0%
18								
19	Projected test year expense							$ 19,079
20								
21	AG Projection (Exhibit AG-56)							18,764
22								
23	Increase to AG position							$ 315

Michigan Public Service Commission
DTE Gas Company
New Hire VEBA: Staff Correction
($000's)

Case No.: U-21973
Exhibit: A-36
Schedule: Z4
Witness: M. S. Cooper
Page: 1 of 1

Line No.	(a) Description	(b) 2019	(c) 2020	(d) 2021	(e) 2022	(f) 2023	(g) 2024
				New Hire VEBA			
1	Cost	2,825	3,160	3,830	3,823	3,368	3,579
2	2024 excess true up normalization						502
3	Total	2,825	3,160	3,830	3,823	3,368	4,081
4							
5	Annual percent change		11.9%	21.2%	(0.2%)	(11.9%)	21.2%
6							
7	Five-year average annual growth rate						8.4%
8							
9	Normalized 2024 VEBA expense						4,081
10	5-year average annual growth rate (2020-2024)						8.4%
11	2025 VEBA cost						4,425
12	2026 VEBA cost						4,798
13	2027 VEBA cost						5,202
14	Projected test year cost						5,101
15							
16	Percent expensed						62.1%
17							
18	Projected test year expense						3,168
19							
20	Staff Witness Rueckert (Exhibit S-14.2)						2,934
21							
22	Increase to Staff position						234

Michigan Public Service Commission
DTE Gas Company
New Hire VEBA: AG Correction
($000's)

Case No.: U-21973
Exhibit: A-36
Schedule: Z5
Witness: M. S. Cooper

Line No.	(a) Description	(b) 2020	(c) 2021	(d) 2022	(e) 2023	(f) 2024	(g) 2025
		New Hire VEBA					
1	VEBA cost	3,160	3,830	3,823	3,368	3,579	3,338
2	Excess True Up cost (page 3 of 3)						595
3		3,160	3,830	3,823	3,368	3,579	3,933
4							
5	Annual growth rate		21.2%	-0.2%	-11.9%	6.3%	9.9%
6	Five-year average annual growth rate						5.1%
7							
8	Normalized 2025 VEBA cost						3,933
9	Participant growth rate 2018-2023						8.8%
10	2026 VEBA cost						4,278
11	2027 VEBA cost						4,653
12	Projected test year cost						4,559
13							
14	Percent expensed						62.1%
15							
16	Projected test year VEBA expense						2,831
17							
18	AG Witness Coppola (Exhibit AG-51)						2,318
19							
20	Increase to AG position						513

Michigan Public Service Commission
DTE Gas Company
New Hire VEBA: AG Correction

Case No.: U-21973
Exhibit: A-36
Schedule: Z5
Witness: M. S. Cooper

Line No.	(a) Year	(b) Non Represented Gas	(c) Non Represented LLC	(d) Local 223 Gas	(e) Local 223 LLC	(f) Total	(g) Average Increase	(h) Percent Increase
1								
2	2018	279	779	240	389	1,687		
3	2019	325	931	363	390			
4	2020	398	992	418	445			
5	2021	442	1,065	406	442			
6	2022	479	1,258	408	519			
7	2023	497	1,331	446	731	3,005		
8	2024	483	1,408	452	663			
9	2025	470	1,367	473	600	2,910		
10								
11	2018-2023					1,318	264	8.8%
12	2018-2025					1,223	175	6.0%
13								

Michigan Public Service Commission
DTE Gas Company
New Hire VEBA: AG Correction
($000's)

Case No.: U-21973
Exhibit: A-36
Schedule: Z5
Witness: M. S. Cooper

Line No.	(a) True Ups	(b) Amount 1/
1		
2	2020	(206,309)
3	2021	104,278
4	2022	(457,398)
5	2023	(857,681)
6	2024	(688,214)
7	Five-Year Average	(421,065)
8	2025	(1,015,709)
9	Excess True Up	594,644

Michigan Public Service Commission
DTE Gas Company
Other Benefits: Staff Correction
Projected 12 Month Period Ending September 30, 2027
($000)

Case No.: U-21973
Exhibit: A-36
Schedule: Z6
Witness: M. S. Cooper
Page: 1 of 1

Line No.	(a) Description	(b) Historical Period Ending 12/31/24	(c) Known and Measurable Adjustments: Temporary Items	(d) Known and Measurable Adjustments: Normalization Adjustments	(e) Total Known and Measurable Adjustments	(f) Adjusted Historical Test Period	(g) Projected Adjustments: 1/1/25 - 12/31/25 Inflation	(h) Projected Adjustments: 1/1/26 - 12/31/26 Inflation	(i) Projected Adjustments: 1/1/27 - 9/30/27 Inflation	(j) Projected Adjustments: Other Adjustments	(k) Total Projected Adjustments	(l) Projected Period Ending 9/30/27
					Col. (c) + Col. (d)	Col. (b) + Col. (e)					Sum (g) thru (j)	Sum (f) thru (k)
1	**Post-Retirement Benefits**											
2												
3	**Other**											
4	Accrued Vacation Expense	(444)	-	176 3/	176	(269)	(8)	(8)	(6)	-	(23)	(291)
5	Executive & Supplemental Retirement Plan /7	1,385	-	(1,385) 4/	(1,385)	-	-	-	-	-	-	-
6	Supplemental Severance Plan Exp /7	159	-	-	-	159	-	-	-	(80)	(80)	78
7	Supplemental Savings Plan /7	992	-	(317) 5/	(317)	675	-	-	-	124	124	799
8	Deferred Compensation Plan /7	24	-	(5) 5/	(5)	20	-	-	-	(1)	(1)	19
9	Wellness Program Expenses	1,305	637 1/	-	637	1,943	173	146	111	-	430	2,373
10	Life Insurance	191	-	23 6/	23	213	6	7	5	-	18	231
11	Disability Expenses	325	-	-	-	325	10	10	8	-	28	353
12	General Benefit Expenses	419	364 2/	-	364	783	21	19	14	-	55	838
13	Affordable Care Act	7	-	-	-	7	1	1	0	-	2	9
14	Benefit Plan Administration Fees	1,913	-	-	-	1,913	52	47	35	-	134	2,047
15	Retirement Administration Fees /7	100	-	-	-	100	3	2	2	-	7	107
16	Subtotal Other	6,376	1,001	(1,508)	(507)	5,869	259	224	168	42	693	6,562
17												
18												

19 1/ Elimination of temporary reduction in Wellness Program
20 2/ Elimination of temporary reductions in Tuition Reimbursement and Service Awards
21 3/ Normalization adjustment to reflect five year historical average
22 4/ Eliminate Executive & Supplemental Retirement Plan based on Commission's past practice
23 5/ Based on expected return on assets
24 6/ Normalization of excess accrual of employee contributions in 2024
25 7/ Sponsored by Witness Fix
26
27

28 **Annual Inflation Rates applied to benefits:**		**Annual 2025**	**Annual 2026**	**Annual 2027**			**Annual 2025**	**Annual 2026**	**Annual 2027**
29	Accrued Vacation Expense	3.00%	3.00%	3.00%		Affordable Care Act	8.92%	6.88%	6.54%
30	Wellness Program Expense	8.92%	6.88%	6.54%		General Benefit Expenses	2.74%	2.40%	2.30%
31	Life Insurance	3.00%	3.00%	3.00%		Benefit Plan Administratior	2.74%	2.40%	2.30%
32	Disability Expense	3.00%	3.00%	3.00%		Retirement Administration	2.74%	2.40%	2.30%

Michigan Public Service Commission
DTE Gas Company
Other Benefits: Comparison of Rates to Actual
2020 Through 2024
($000)

Case No.: U-21973
Exhibit: A-36
Schedule: Z7
Witness: M. S. Cooper
Page: 1 of 1

Line No.	(a) Description	(b) 2020	(c) 2021	(d) 2022	(e) 2023	(f) 2024
1	**Adopted or Implicit in Revenue Requirement**					
2	Accrued Vacation Expense	110	19	(223)	(223)	(228)
3	Supplemental Severance Plan Exp	1,558	871	740	740	687
4	Supplemental Savings Plan	811	869	769	769	777
5	Deferred Compensation Plan	56	41	40	40	40
6	Wellness Program Expenses	916	1,745	1,755	1,755	1,789
7	Life Insurance	416	434	291	291	294
8	Disability Expenses	216	229	237	237	250
9	General Benefit Expenses	1,134	873	897	897	896
10	Affordable Care Act	-	-	9	9	9
11	Benefit Plan Administration Fees	2,472	2,424	2,468	2,468	2,472
12	Retirement Administration Fees	105	127	130	130	131
13	Total	7,794	7,631	7,114	7,114	7,117
14						
15	**Actual Other Benefits Expense**					
16	Accrued Vacation Expense	1,714	(1,130)	(1,735)	253	(444)
17	Supplemental Severance Plan Exp	986	1,006	748	156	159
18	Supplemental Savings Plan	1,153	1,375	(1,191)	1,094	992
19	Deferred Compensation Plan	39	57	(39)	27	24
20	Wellness Program Expenses	1,429	1,720	1,916	997	1,305
21	Life Insurance	264	217	303	233	191
22	Disability Expenses	295	324	368	340	325
23	General Benefit Expenses	954	865	821	506	419
24	Affordable Care Act	6	7	7	7	7
25	Benefit Plan Administration Fees	1,793	2,343	2,334	1,944	1,913
26	Retirement Administration Fees	137	86	124	94	100
27	Total	8,769	6,870	3,658	5,652	4,991
28						
29	**Variance Between Rates and Actual**					
30	Accrued Vacation Expense	(1,604)	1,148	1,512	(476)	217
31	Supplemental Severance Plan Exp	571	(134)	(8)	584	528
32	Supplemental Savings Plan	(342)	(506)	1,960	(325)	(215)
33	Deferred Compensation Plan	18	(16)	79	13	15
34	Wellness Program Expenses	(514)	25	(161)	758	483
35	Life Insurance	152	217	(12)	58	103
36	Disability Expenses	(78)	(96)	(132)	(103)	(75)
37	General Benefit Expenses	180	8	76	390	477
38	Affordable Care Act	(6)	(7)	2	2	1
39	Benefit Plan Administration Fees	679	81	134	524	559
40	Retirement Administration Fees	(32)	40	7	37	31
41	Total	(976)	761	3,456	1,462	2,126
42						
43	**Proportion of Total Variance**					
44	Accrued Vacation Expense	164.3%	151.0%	43.8%	(32.5%)	10.2%
45	Supplemental Severance Plan Exp	(58.6%)	(17.7%)	(0.2%)	40.0%	24.9%
46	Supplemental Savings Plan	35.1%	(66.5%)	56.7%	(22.3%)	(10.1%)
47	Deferred Compensation Plan	(1.8%)	(2.1%)	2.3%	0.9%	0.7%
48	Wellness Program Expenses	52.6%	3.3%	(4.7%)	51.8%	22.7%
49	Life Insurance	(15.6%)	28.5%	(0.3%)	4.0%	4.9%
50	Disability Expenses	8.0%	(12.6%)	(3.8%)	(7.1%)	(3.5%)
51	General Benefit Expenses	(18.5%)	1.1%	2.2%	26.7%	22.5%
52	Affordable Care Act	0.6%	(0.9%)	0.1%	0.1%	0.1%
53	Benefit Plan Administration Fees	(69.5%)	10.7%	3.9%	35.8%	26.3%
54	Retirement Administration Fees	3.3%	5.3%	0.2%	2.5%	1.5%
55	Total	100.0%	100.0%	100.0%	100.0%	100.0%

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Estimated health effects from domestic use of gaseous fuels for cooking and heating in high-income, middle-income, and low-income countries: a systematic review and meta-analyses

Elisa Puzzolo, Nigel Fleeman, Federico Lorenzetti, Fernando Rubinstein, Yaojie Li, Ran Xing, Guofeng Shen, Emily Nix, Michelle Maden, Rebecca Bresnahan, Rui Duarte, Lydia Abebe, Jessica Lewis, Kendra N Williams, Heather Adahir-Rohani, Daniel Pope

Summary

Background Exposure to household air pollution from polluting domestic fuel (solid fuel and kerosene) represents a substantial global public health burden and there is an urgent need for rapid transition to clean domestic fuels. Gas for cooking and heating might possibly affect child asthma, wheezing, and respiratory health. The aim of this review was to synthesise the evidence on the health effects of gaseous fuels to inform policies for scalable clean household energy.

Methods In this systematic review and meta-analysis, we summarised the health effects from cooking or heating with gas compared with polluting fuels (eg, wood or charcoal) and clean energy (eg, electricity and solar energy). We searched PubMed, Scopus, Web of Science, MEDLINE, Cochrane Library (CENTRAL), Environment Complete, GreenFile, Google Scholar, Wanfang DATA, and CNKI for articles published between Dec 16, 2020, and Feb 6, 2021. Studies eligible for inclusion had to compare gas for cooking or heating with polluting fuels (eg, wood or charcoal) or clean energy (eg, electricity or solar energy) and present data for health outcomes in general populations. Studies that reported health outcomes that were exacerbations of existing underlying conditions were excluded. Several of our reviewers were involved in screening studies, data extraction, and quality assessment (including risk of bias) of included studies; 20% of studies were independently screened, extracted and quality assessed by another reviewer. Disagreements were reconciled through discussion with the wider review team. Included studies were appraised for quality using the Liverpool Quality Assessment Tools. Key health outcomes were grouped for meta-analysis and analysed using Cochrane's RevMan software. Primary outcomes were health effects (eg, acute lower respiratory infections) and secondary outcomes were health symptoms (eg, respiratory symptoms such as wheeze, cough, or breathlessness). This study is registered with PROSPERO, CRD42021227092.

Findings 116 studies were included in the meta-analysis (two [2%] randomised controlled trials, 13 [11%] case-control studies, 23 [20%] cohort studies, and 78 [67%] cross-sectional studies), contributing 215 effect estimates for five grouped health outcomes. Compared with polluting fuels, use of gas significantly lowered the risk of pneumonia (OR 0·54, 95% CI 0·38–0·77; p=0·00080), wheeze (OR 0·42, 0·30–0·59; p<0·0001), cough (OR 0·44, 0·32–0·62; p<0·0001), breathlessness (OR 0·40, 0·21–0·76; p=0·0052), chronic obstructive pulmonary disease (OR 0·37, 0·23–0·60; p<0·0001), bronchitis (OR 0·60, 0·43–0·82; p=0·0015), pulmonary function deficit (OR 0·27, 0·17–0·44; p<0·0001), severe respiratory illness or death (OR 0·27, 0·11–0·63; p=0·0024), preterm birth (OR 0·66, 0·45–0·97; p=0·033), and low birth weight (OR 0·70, 0·53–0·93; p=0·015). Non-statistically significant effects were observed for asthma in children (OR 1·04, 0·70–1·55; p=0·84), asthma in adults (OR 0·65, 0·43–1·00; p=0·052), and small for gestational age (OR 1·04, 0·89–1·21; p=0·62). Compared with electricity, use of gas significantly increased risk of pneumonia (OR 1·26, 1·03–1·53; p=0·025) and chronic obstructive pulmonary disease (OR 1·15, 1·06–1·25; p=0·0011), although smaller non-significant effects were observed for higher-quality studies. In addition, a small increased risk of asthma in children was not significant (OR 1·09, 0·99–1·19; p=0·071) and no significant associations were found for adult asthma, wheeze, cough, and breathlessness (p>0·05). A significant decreased risk of bronchitis was observed (OR 0·87, 0·81–0·93; p<0·0001).

Interpretation Switching from polluting fuels to gaseous household fuels could lower health risk and associated morbidity and mortality in resource-poor countries where reliance on polluting fuels is greatest. Although gas fuel use was associated with a slightly higher risk for some health outcomes compared with electricity, gas is an important transitional option for health in countries where access to reliable electricity supply for cooking or heating is not feasible in the near term.

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Research in context

Evidence before this study

An extensive body of evidence has demonstrated that the use of certain fuels for household energy needs (eg, biomass, coal, and kerosene) are detrimental to health, causing substantial disease burden. Natural gas (methane) is extensively used in high-income countries for cooking and heating. Liquefied petroleum gas (a mix of propane or butane stored in pressurized cylinders) is being promoted as a clean scalable cooking energy alternative in developing economies. Biogas is a mix of gases (primarily methane) derived from renewable feedstock and is mainly promoted as a cooking fuel among rural households with access to organic materials such as animal waste and agricultural residues. For this review and meta-analyses, we conducted extensive searches of PubMed, Scopus, Web of Science, MEDLINE, Cochrane Library (CENTRAL), Environment Complete, GreenFile, Google Scholar, Wanfang DATA, and CNKI. We focused on articles published between 1980 and 2021. Our search specifically targeted liquid and gaseous household fuels used for cooking or heating, comparing them to a clearly defined reference group (either polluting or clean fuel[s]), with relevance to health effects or symptoms in the general population.

Added value of this study

To our knowledge, this study is the first systematic review with meta-analyses that has comprehensively assessed the health effects of use of gaseous fuels (natural gas, liquefied petroleum gas, and biogas) for household cooking and heating on a global scale. Previous systematic reviews have looked at single health outcomes (eg, adverse pregnancy outcomes, acute lower respiratory illness such as acute lower-respiratory infections or asthma) or focused on specific energy uses (eg, only gas cooking), and have not considered both polluting (solid fuels and kerosene) and clean (electricity) reference options. By summarising both potential positive and negative health effects from household use of gaseous or alcohol fuels, this synthesis provides important contemporary evidence to inform national clean-energy policies needed to address the burden of disease from household air pollution in low-income and middle-income countries (LMICs).

Implications of all the available evidence

This study shows a lower risk for key health outcomes when switching from polluting solid fuels and kerosene to use of clean gaseous fuels for cooking or heating. Our study also identifies a modest increase in risk from use of gaseous fuels compared with electricity for a few health outcomes, including acute lower respiratory infections and chronic obstructive pulmonary disease (although not statistically significant when focusing on evidence from higher-quality studies). For LMICs reliant on polluting solid fuels and kerosene, transitions to gaseous fuels for cooking or heating can potentially produce substantial health benefits. However, where transitions to clean energy such as electricity are a realistic option (ie, scalable and accessible in the short term) further protection of health is probable.

Introduction

Exposure to household air pollution from combustion of solid fuels (eg, biomass and coal) and kerosene for household energy is among the largest global environmental public health burdens, responsible for 3·2 million preventable deaths annually.[1] Modern domestic liquid and gaseous fuels, such as liquefied petroleum gas (also known as LPG), biogas, natural gas, and alcohols (eg, ethanol) are considered clean for health in terms of emissions at point of use[2] and have the potential for scale in low-income and middle-income countries (LMICs)[3], where the burden from reliance on polluting fuels is greatest.[4] Although electricity is the cleanest household energy, with zero emissions at point of use, and is increasingly being used in high-income countries (HICs), for many LMICs access to reliable electricity is limited and it is not a realistic scalable option for cooking.

See Online for appendix

The urgent need for rapid transition to clean domestic fuels to address household air pollution-related disease burden is internationally recognised. A systematic synthesis of evidence on the health effects (both positive and negative) from domestic use of liquid and gaseous fuels is required to inform policies for scale. The evidence is time crucial because the Sustainable Development Goals (SDGs) 2030 time horizon is only a few years away, and the SDG7 clean modern energy for all is crucial to meet other SDGs, including health and wellbeing (SDG3), gender equality (SDG5), and climate action (SDG13).

This Article builds on a broader systematic review led by our group and commissioned by WHO looking at all household energy uses (including lighting).[5] This wider review comprehensively searched for studies of all health effects, symptoms, or injuries (a full list is provided in the appendix p 2) associated with the use of liquid or gaseous fuels for household energy, and emissions of health-damaging pollutants (eg, particulate matter [$PM_{2.5}$], carbon monoxide [CO], nitrogen oxides [NO_x], and polycyclic aromatic hydrocarbons). All identified studies are compiled in the WHO Health Effects of Household Liquid & Gaseous Fuels Database.[6]

The WHO database was the starting point to specifically assess the health effects of using gaseous and liquid fuels for cooking and heating (the subject of this Article). All polluting liquid fuels used for lighting (eg, kerosene, diesel, and gasoline) were excluded because of their negative health effects, which have been extensively documented.[7–9] Kerosene used for cooking was included as a reference polluting fuel in comparison with liquid

and gaseous fuels. Liquid alcohol fuels were included in the scope of this systematic review, but because of a scarcity of studies identified in the published literature, these types of fuels were not included for pooling through meta-analyses.

In light of current evidence that suggests that gas for cooking and heating can potentially affect child asthma and wheezing[10–12] and other respiratory health issues[13,14] (through elevated emissions of NO_2),[15,16] this Article aims to highlight the state of evidence for these outcomes and provides more robust pooled estimates of effect.

Methods

Search strategy and selection criteria

The broader systematic review (resulting in the WHO Health Effects of Household Liquid & Gaseous Fuels Database), has been previously described.[5] This review comprised an extensive and comprehensive appraisal of published literature done by our experienced reviewers from the University of Liverpool, Liverpool, UK, and Peking University, Beijing, China. All liquid and gaseous household fuels used for cooking, heating, and lighting, related to any objective measure of exposure to pollution or health effect or symptom, were eligible for inclusion. Exposure was defined as personal exposure to air pollutants known to have detrimental effects on health (a full list is included in the appendix p 2).

We searched major international bibliographical databases from Jan 1, 1980, until the date of the searches with no language restriction. The databases we searched included MEDLINE (to Dec 16, 2020), Cochrane Library (to Dec 18, 2020), CENTRAL (to Dec 18, 2020), Environment Complete (to Dec 18, 2020), GreenFile (to Dec 18, 2020), PubMed (to Jan 5, 2021), Scopus (to Jan 5, 2021), Web of Science (to Jan 5, 2021), Google Scholar (to Jan 6, 2021), Wanfang DATA (to Feb 5, 2021), and CNKI (to Feb 6, 2021).

For the systematic review and meta-analyses presented in this Article, the WHO database was appraised by screening the listed studies to identify studies specifically focused on the health effects and symptoms from cooking and heating with liquid and gaseous fuels. For the present review, fuels that were used for lighting and studies reporting on personal exposures to specific pollutants with no associated health outcome were not included.

The abstracts of relevant studies were screened by experienced reviewers (DP, FL, EP, NF) using the following inclusion criteria: the studies had to investigate cooking, heating, or both cooking and heating, along with any gaseous or liquid (alcohol) fuel, and any health effect or symptom. Outcomes related to fuel use that did not relate to household air pollution exposure were excluded, including outcomes related to injury (eg, burns and scalds) and poisoning (eg, CO poisoning and accidental fuel ingestion). Studies of cooking and heating in populations from all countries and geographical contexts were eligible for inclusion. All comparisons of relevant gaseous and liquid fuels with another fuel alternative (either a clean fuel, such as electricity, or a polluting fuel, such as wood, charcoal, or kerosene) were eligible. In addition, studies for which the reference fuel was unclear were included for sensitivity analyses (eg, gas users *vs* non-gas users). Studies that only compared vented versus unvented gas appliances were excluded. Studies which reported health outcomes that were exacerbations of existing underlying conditions (eg, effects among patients with asthma) were excluded because they applied to participants already at risk and not the general population, which was the focus of the current Article.[17] This study is registered with PROSPERO, CRD42021227092.

Data extraction and quality appraisal

Data were extracted using a purposively designed form in Excel, extensively piloted and improved over 15 rounds of data extraction to capture all study outcomes, type of fuels, and comparators. Extracted data included article title, author and year, study type and size, country, setting, and context, fuel types, end use (cooking, heating, or both cooking and heating), population characteristics (sex and age), health outcomes and symptoms, and summary of results. Data from studies presented in several publications were extracted and reported as a single study. Several authors were involved in data extraction (NF, FR, FL, EP, DP, RX, YL, and EN). A 20% independent verification (NF, FR, EP, DP, and FL) of extracted studies was applied with disagreements reconciled through discussion with the wider review team.

Each study was appraised for quality at the same time as data extraction using the Liverpool Quality Assessment Tools (LQATs; appendix p 4), which have been extensively used in previous systematic reviews and meta-analyses.[18–21] Each LQAT is study design specific, comprising key areas of methodological quality and potential bias: selection (including randomisation for randomised controlled trials [RCTs]); response and follow-up bias; intervention and exposure measurement; outcome assessment; risk of confounding (including adjustment); and reporting of results. A quality score was assessed within each study design with a total of eight or nine methodological quality stars available for each study (eight stars for cross-sectional and case-control studies, and nine stars for cohort and intervention studies; appendix p 4).

For each study, quality was scored as a percentage according to the number of available aspects of quality met for each study design (with a different denominator for each design). 100% indicated maximum achievable methodological quality for a given study design. A cutoff score higher than 60% was used in sensitivity analyses to identifiy studies with at least moderate quality for each study design. These studies were compared to

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poorer-quality studies (less than or equal to 60%) to summarise the potential effect of methodological quality on pooled estimates of effect from the meta-analyses. For each health outcome no assumption was made for hierarchy of evidence (e.g. assigning higher quality to interventional studies than observational studies).

Data analysis

Key health outcomes and symptoms were grouped for meta-analyses under five health effects, which were: asthma (child and adult); acute lower respiratory infections (including pneumonia); chronic lung disease (including chronic obstructive pulmonary disease, chronic bronchitis, severe respiratory illness or death, and abnormal pulmonary function, assessed through spirometry); respiratory symptoms (including wheeze, breathlessness, with or without cough), and adverse pregnancy outcomes (low birth weight, preterm birth, and small for gestational age). For these outcomes, studies had similar homogeneous definitions of the health conditions allowing pooling. For exposure, use of any gaseous fuel (eg, liquefied petroleum gas, natural gas, or biogas) for household energy (eg, heating, cooking, or both cooking and heating) was combined for analysis.

For many other health outcomes (encompassing a wide range of conditions) information could not be pooled because of heterogeneity or scarcity of quantitative data. Studies that provided an effect estimate with variance (eg, odds ratios [ORs] or relative risks (RRs) with 95 CIs) for increased or decreased risk for key health outcomes and symptoms from use of liquid or gaseous fuels (as compared with polluting or clean fuels) were included in random-effects meta-analysis using Cochrane's RevMan version 5.4. Where effect estimates were not available, crude calculations of ORs (95% CIs) were undertaken if data (proportion of exposed or unexposed, with or without health outcomes) were available. For the meta-analyses, adjusted estimates were chosen over unadjusted estimates. Random-effects meta-analysis was adopted in the presence of any statistical heterogeneity (I^2 >10%). Funnel-plot asymmetry (as an indication of potential publication bias) was assessed visually (using funnel plots) and statistically (using Begg and Egger's tests) with Stata version 15. $p<0{\cdot}05$ was considered to indicate a statistically significant result.

Forest Plots were stratified by broad age group (children *vs* adults) for asthma and by condition for chronic lung disease and adverse pregnancy outcomes. When studies provided estimates for both cooking and heating, the estimate for cooking was selected for meta-analyses (decided a priori by the review team for exposure proximity). Data from at least three studies were required for pooling through meta-analyses.

Separate meta-analyses were done to contrast the pooled effects comparing gaseous or liquid fuels to a clean (electricity) and polluting (eg, wood, charcoal, or kerosene) reference group. For studies in which the reference group could not be ascertained (eg, studies that only mentioned non-use of gas for cooking or heating), sensitivity analyses were done adding these studies (non-users of gas) to comparisons with the clean (electricity) reference group.

Role of the funding source

The WHO commissioned the review and defined its scope. WHO contributed to interpretation of the results including dissemination and obtained internal WHO approval for submission.

Results

Our broader and previously published systematic review,[5] used as the starting point for this study, screened 1103 full-text articles (from 48 130 records), of which 587 studies (published 1980–2021) were included in the WHO Health Effects of Household Liquid & Gaseous Fuels Database. For systematic review and meta-analyses subject to this Article, 12 additional studies were identified through further investigation of key literature, resulting in 599 studies for full-text screening. Of these, 216 studies met the inclusion criteria for the systematic review, with 116 studies (215 effect estimates) appropriate for the meta-analyses (figure 1).

The 116 studies (appendix pp 15–16) included in the meta-analyses comprised two (2%) RCTs, 13 (11%) case–control studies, 23 (20%) cohort studies, and 78 (67%) cross-sectional studies. Studies spanned 34 countries, with 60 (52%) studies from LMICs, 54 (47%) studies from HICs, and two studies (2%) involving several countries (LMICs and HICs). Most studies (92 [79%]) investigated cooking, with 17 (15%) assessing heating and seven (6%) assessing both heating and cooking. Type of gaseous fuel use was not specified for 70 studies (likely to be natural gas in HIC settings). Only one study investigated ethanol (related to stillbirth) and it was therefore not possible to do the meta-analyses on the health effects of liquid fuels.

We presented the main summary of all meta-analyses comparing gaseous fuels to polluting fuels (figure 2A) and gaseous fuels to electricity (figure 2B). The robustness of these analyses, including sensitivity analyses, are described in detail for each health outcome in the appendix (pp 18–44; studies investigating heating are highlighted with an asterisk in the forest plots). No evidence of publication bias (assessed through statistical funnel-plot asymmetry) was identified for the majority of analyses ($p>0{\cdot}05$ for 18 [95%] with Begg tests and 15 (79%) with Egger's tests for the 19 funnel plots; appendix p 18–43). For some health outcomes, there was a paucity of homogeneous evidence for pooling through meta-analyses (eg, for specific cancers and cardiovascular diseases; appendix p 17).

Crude stratification by study quality (using LQATs) generally showed that pooled effect estimates were slightly larger (lower risk for gas *vs* polluting fuels and

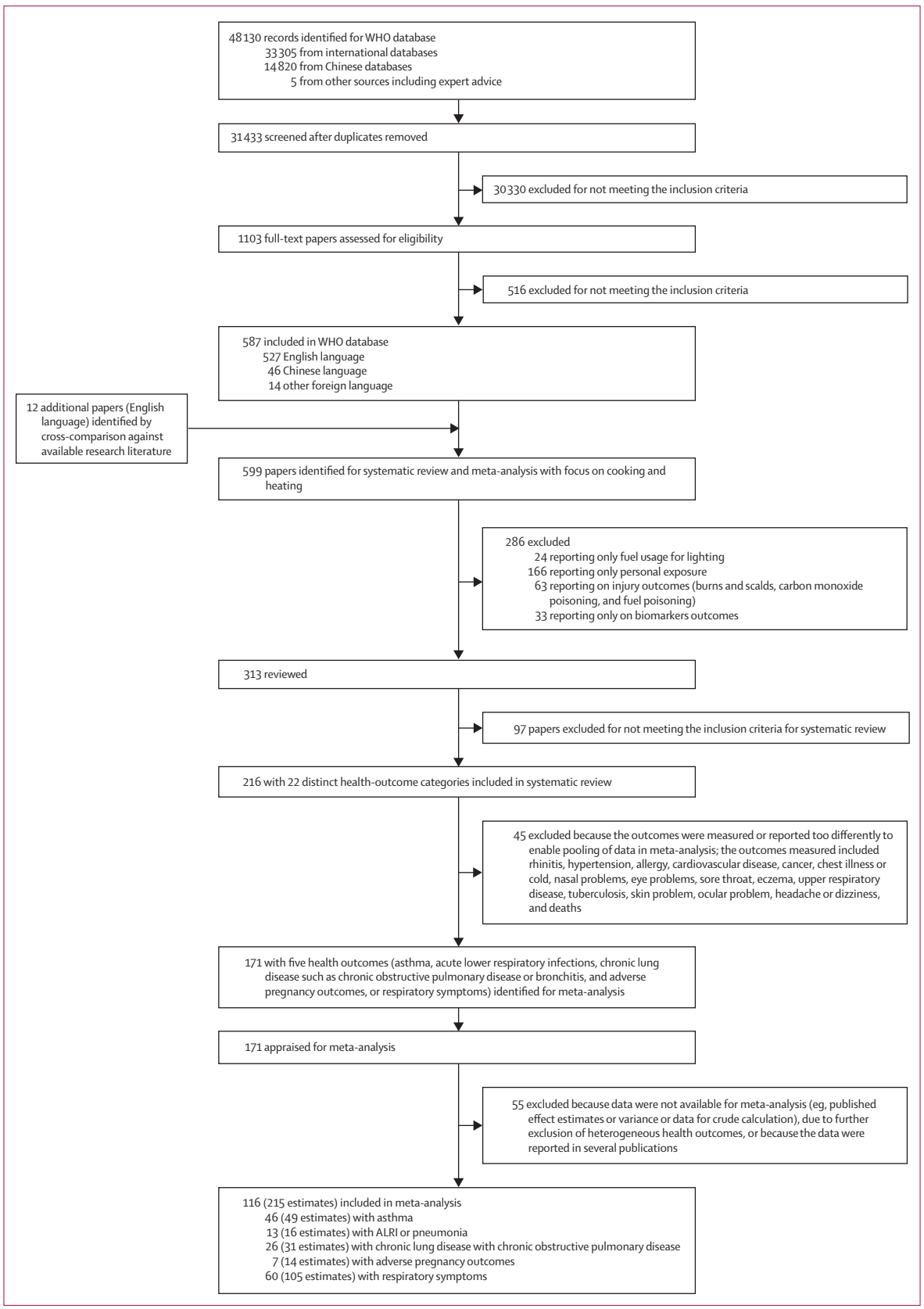


Figure 1: **Study selection flowchart**

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higher risk for gas *vs* electricity) for lower-quality studies (LQAT ≤60%), including health outcomes for asthma, pneumonia, chronic lung disease, wheeze, cough, and breathlessness (appendix p 18–44).

The main results for each health outcome are described hereafter, including key sensitivity analyses that affect pooled estimates of effect. The full meta-analyses, including publication bias (funnel plots and statistical tests) and all sensitivity analyses on methodological and contextual characteristics of included studies are described in detail in the appendix (p 18–44).

46 studies (49 estimates) assessed asthma in children, adults, or both adults and children. When compared with polluting fuels (figure 3A), use of gas for cooking or heating did not appear to alter the estimate for risk of asthma in children (OR 1·04, 95% CI 0·70–1·55; p=0·84), whereas a 35% lower risk of asthma in adults was observed (OR 0·65, 0·43–1·00; p=0·052; six studies). Use of gas was found to have a larger reduction in asthma risk for studies with better adjustment for confounding than for those in which there was no adjustment for any of the key confounders (active and passive smoking, ambient air pollution [proxies], and socioeconomic status; appendix p 21).

Compared with electricity (figure 3B), using gas for cooking or heating did not result in a higher risk estimate

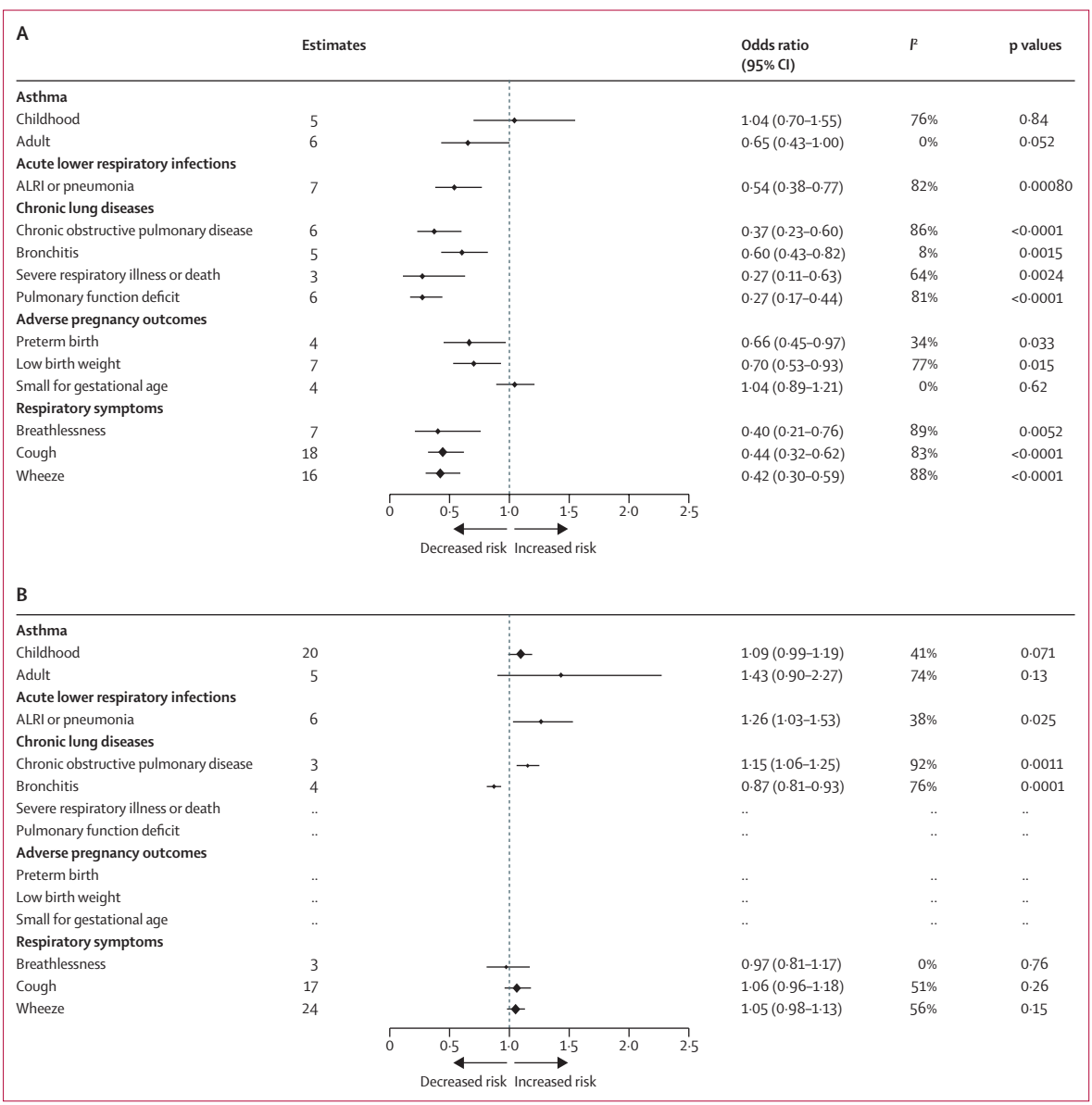
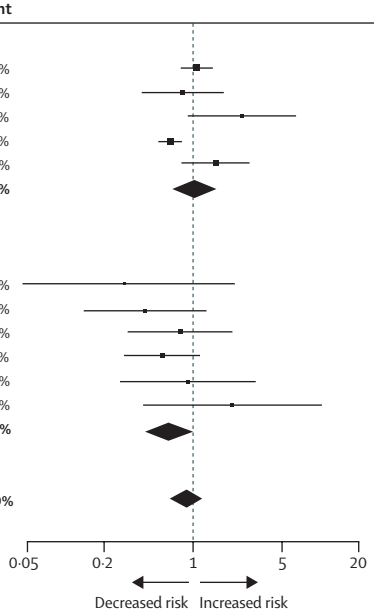


Figure 2: **Overarching summary of meta-analyses for the five health outcomes associated with use of gas for cooking or heating versus polluting fuels (A) and electricity (B)**
ALRI=acute lower respiratory infections.

A

	log(odds ratio)	Standard error	Weight	Odds ratio (95% CI)
Child asthma				
Kumar et al, 2008, LMIC*	0·0677	0·142	19·4%	1·07 (0·81–1·41)
Liu et al, 2014, LMIC	−0·1863	0·3724	9·4%	0·83 (0·40–1·72)
Nantanda et al, 2013, LMIC	0·8838	0·4935	6·5%	2·42 (0·92–6·37)
Piekarska et al, 2018, HIC*	−0·4155	0·1024	21·2%	0·66 (0·54–0·81)
von Maffei et al, 2001, HIC*	0·4055	0·3081	11·6%	1·50 (0·82–2·74)
Subtotal (95% CI)			**68·1%**	**1·04 (0·70–1·55)**
Heterogeneity: Tau²=0·13; χ²=16·59, df=4 (p=0·0023); I²=76%				
Test for overall effect: Z=0·20 (p=0·84)				
Adult asthma				
Alim et al, 2014, LMIC	−1·2379	1·0107	2·0%	0·29 (0·04–2·10)
Alvis-Guzman et al, 2013, LMIC	−0·8675	0·5605	5·4%	0·42 (0·14–1·26)
Choi et al, 2015, LMIC	−0·2357	0·4773	6·8%	0·79 (0·31–2·01)
Panigrahi et al, 2018, LMIC	−0·5621	0·3448	10·3%	0·57 (0·29–1·12)
Regalado et al, 2006, LMIC	−0·0943	0·6199	4·6%	0·91 (0·27–3·07)
Zhai et al, 1995, LMIC	0·7129	0·8187	2·9%	2·04 (0·41–10·15)
Subtotal (95% CI)			**31·9%**	**0·65 (0·43–1·00)**
Heterogeneity: Tau²=0·00; χ²=3·80, df=5 (p=0·58); I²=0%				
Test for overall effect: Z=1·94 (p=0·052)				
Total (95% CI)			**100·0%**	**0·89 (0·67–1·19)**
Heterogeneity: Tau²=0·09; χ²=21·52, df=10 (p=0·018); I²=54%				
Test for overall effect: Z=0·79 (p=0·43)				
Test for subgroup differences: χ²=2·43, df=1 (p=0·12), I²=58·9%				



B

Child asthma				
Behrens et al, 2005, HIC	-0·2614	0·7707	0·3%	0·77 (0·17–3·49)
Casas et al, 2012, HIC	0·2852	0·2107	3·3%	1·33 (0·88–2·01)
Dekker et al, 1991, HIC*	0·2852	0·1717	4·4%	1·33 (0·95–1·86)
Diette et al, 2007, HIC	−0·1744	0·2963	1·9%	0·84 (0·47–1·50)
Dodge et al, 1982, HIC	0·3646	0·7073	0·4%	1·44 (0·36–5·76)
Garrett et al, 1998, HIC	0·5481	0·413	1·1%	1·73 (0·77–3·89)
Hölscher et al, 2000, HIC	−0·5276	0·4181	1·0%	0·59 (0·26–1·34)
Infante-Rivard et al, 1993, HIC	0·2852	0·3423	1·5%	1·33 (0·68–2·60)
Lin et al, 2013, HIC	0·0953	0·1315	6·0%	1·10 (0·85–1·42)
Liu et al, 2014, LMIC	0·3293	0·0793	8·9%	1·39 (1·19–1·62)
Lu et al, 2018, HIC*	0·0677	0·3584	1·4%	1·07 (0·53–2·16)
Moran et al, 1999, HIC	0·1398	0·1365	5·8%	1·15 (0·88–1·50)
Nakai et al, 1993, HIC	−0·4463	0·4403	0·9%	0·64 (0·27–1·52)
Norback et al, 2019, LMIC	−0·0726	0·0768	9·1%	0·93 (0·80–1·08)
Ponsonby et al, 2001, HIC*	−0·0726	0·1523	5·1%	0·93 (0·69–1·25)
Strachan et al, 1995, HIC	−0·1508	0·1752	4·3%	0·86 (0·61–1·21)
Volkmer et al, 1995, HIC	0·1398	0·0612	10·1%	1·15 (1·02–1·30)
Wang et al, 2021, LMIC	0·0198	0·1435	5·4%	1·02 (0·77–1·35)
Willers et al, 2006, HIC	0·4055	0·2606	2·4%	1·50 (0·90–2·50)
Wong et al, 2013, LMIC	−0·0305	0·0555	10·5%	0·97 (0·87–1·08)
Subtotal (95% CI)			**83·8%**	**1·09 [0·99–1·19)**
Heterogeneity: Tau²=0·01; χ²=32·05, df=19 (p=0·03); I²=41%				
Test for overall effect: Z=1·80 (p=0·07)				
Adult asthma				
Dai et al, 2021, HIC	0·9708	0·3938	1·2%	2·64 (1·22–5·71)
Jarvis et al, 1996 (female), HIC	0·9555	0·3945	1·2%	2·60 (1·20–5·63)
Jarvis et al, 1996, (male), HIC	−0·5447	0·4294	1·0%	0·58 (0·25–1·35)
Nkosi et al, 2015, LMIC	0·5008	0·271	2·2%	1·65 (0·97–2·81)
Smith et al, 2000, HIC	0·0392	0·0516	10·7%	1·04 (0·94–1·15)
Subtotal (95% CI)			**16·2%**	**1·43 (0·90–2·27)**
Heterogeneity: Tau²=0·18; χ²=15·19, df=4 (p=0·0043); I²=74%				
Test for overall effect: Z=1·50 (p=0·13)				
Total (95% CI)			**100·0%**	**1·11 (1·01–1·21)**
Heterogeneity: Tau²=0·02; χ²=47·24, df=24 (p=0·0031); I²=49%				
Test for overall effect: Z=2·26 (p=0·024)				
Test for subgroup differences: χ²=1·29, df=1 (p=0·26), I²=22·7%				

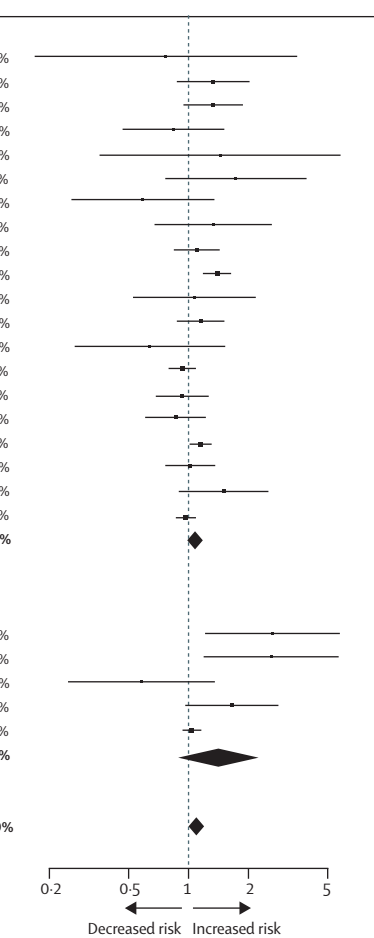


Figure 3: **Risk of Asthma in children and adults from use of gaseous fuels**
Comparison with polluting fuels (coal, biomass, or kerosene; A). Comparison with electricity (B). H=high income. LM=low and middle income. *Fuel used for heating.

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for asthma in children (OR 1·09, 95% CI 0·99–1·19; p=0·071; 20 studies) nor in adults (OR 1·43, 0·90–2·27; p=0·13; five studies). Sensitivity analyses (appendix p 21), found use of gas to have a smaller, non-significant effect for studies with better adjustment for confounding than studies in which there was no adjustment for key confounders, suggesting the association between use of gas and asthma compared with electricity was at least partially explained by confounding from exposure to tobacco smoke, ambient air pollution, or socioeconomic status.

Adding studies for which the reference group could not be identified (n=13) to the comparison of gas use and electricity (appendix p 20) showed a statistically significant higher risk of asthma for gas users relative to non-users. Confounding also appeared to affect the analysis with a smaller effect for studies adjusting for key confounders than those with no adjustment for any key confounder. Stratification through sensitivity analysis by geography (HICs *vs* LMICs) and by energy use (heating *vs* cooking) did not affect the pooled effect estimates for comparisons of gas with either polluting fuels or electricity (appendix p 21).

13 studies (16 estimates) reported on acute lower respiratory infections or pneumonia. The majority (nine [69%] studies, 12 [75%] estimates) concerned children (aged 0–17 years). Almost all estimates (15 [92%]) were related to cooking (appendix p 23). Cooking with gas (relative to use of polluting fuels) significantly lowered the risk of acute lower respiratory infections or pneumonia by 46% (OR 0·54, 0·38–0·77; p=0·00080; seven studies; appendix p 23). Conversely, when compared to electricity, cooking with gas heightened the risk of acute lower respiratory infections or pneumonia by 26% (n=6: OR 1·26, 1·03–1·53; p=0·025; appendix p 23). When including non-gas users in the electricity reference group (n=9 estimates) in the sensitivity analysis (appendix p 24), a similarly higher risk was observed (22%), although it was no longer statistically significant. Sensitivity analyses by methodological quality found that higher-quality studies (LQAT >60%) showed smaller, non-statistically significant effects on the risks of acute lower respiratory infections or pneumonia for use of gaseous fuels versus polluting fuels and versus electricity.

Meta-analyses of chronic lung disease were stratified by condition as follows: chronic obstructive pulmonary disease (n=9; nine estimates); bronchitis (n=9; nine estimates); pulmonary function deficit or abnormal spirometry (n=8; eight estimates); and severe respiratory illness or death (n=3; three estimates). For all chronic lung disease conditions, a statistically significant (p<0·05) lower risk was observed when using gas for cooking or heating than when using polluting fuels (appendix p 27), ranging from a reduction of 40% for bronchitis (OR 0·60, 95% CI 0·43–0·82; p=0·0015) to 73% for pulmonary function deficit (OR 0·27, 0·17–0·44; p<0·0001) and severe respiratory illness or death (OR 0·27, 0·11–0·63; p=0·0024). For all chronic lung disease conditions pooled, a statistically significant lower risk of 64% was observed (OR 0·36, 0·27–0·48; p<0·0005).

Studies comparing use of gas to electricity for cooking or heating on chronic lung disease outcomes were scarce (n=7; seven estimates across all conditions) with substantial heterogeneity (appendix p 28). A small but statistically significant higher risk for chronic obstructive pulmonary disease (15%) was observed for cooking or heating with gas compared with electricity (n=3: OR 1·15, 1·06–1·25 p=0·0011). Conversely, a small but significantly lower risk (13%) was observed for bronchitis (n=4: OR 0·87, 0·81–0·93; p<0·0001). When non-gas users were added to the electricity reference group (appendix p 29), the overall pooled estimate across all conditions did not show a significantly higher risk of chronic lung disease from cooking with gas versus electricity. For studies including adjustment for at least one key confounder and of higher methodological quality (LQAT >60%), a significantly lower risk of chronic lung disease was observed for use of gas than use of electricity in the sensitivity analysis (appendix p 30).

For the meta-analyses for adverse pregnancy outcomes, all studies were from LMICs and compared cooking with gaseous fuels to polluting fuels (n=7; 14 estimates; appendix p 32). Statistically significant lower risks of preterm birth and low birth weight were observed when using gas for cooking for pre-term birth (OR 0·66, 95% CI 0·45–0·97; p=0·033; three studies) and for low birth weight (OR 0·70, 0·53–0·93; p=0·015; seven studies). There was no statistically significant difference in the risk of infants being small for gestational age at birth when cooking with gas relative to polluting fuels. There were not enough studies or estimates (ie, not at least three estimates) to conduct sensitivity analyses.

40 studies (40 estimates) investigated cooking or heating with gas versus polluting fuels (n=16; figure 4A) or electricity (n=24; figure 4B) and self-reported symptoms of wheeze. A statistically significant lower risk of 58% was observed for wheezing when using gas for cooking versus polluting fuels (OR 0·42, 95% CI 0·30–0·59; p<0·0001).

A slightly higher but not-statistically significant risk of wheeze was observed for use of gas versus electricity. When including non-gas users (n=10) with those using electricity in sensitivity analyses, there was no significant association with risk of wheeze from gas use (p=0·065; appendix p 36). Pooled effect estimates were not affected by focus on studies of higher methodological quality (LQAT ≥60%; sensitivity analysis appendix p 37).

32 studies (35 estimates) assessed cooking or heating with gas and self-reported cough, including 18 estimates that included a polluting reference fuel and 17 estimates that included electricity. Cooking with gas (only one study assessed heating) was associated with a significant 56% lower risk of cough when compared with polluting fuels (OR 0·44, 95% CI 0·32–0·62; p<0·0001; appendix p 38). Compared to electricity, there was no significant

increase in risk of cough from use of gas (OR 1·06, 0·96–1·18; p=0·26; appendix p 38). Including non-users of gas (n=5) with those using electricity did not affect this result (appendix p 39). Sensitivity analyses focused on studies of higher methodological quality (LQATs >60%) showed that the main pooled-effect estimates were not affected by methodological quality (appendix pp 39–40).

Ten studies (ten estimates) assessed cooking or heating with gas and self-reported breathlessness and chest tightness. Seven studies used a polluting reference fuel and three used electricity as a reference. Cooking with gas was found to have a significantly lower risk of breathlessness than polluting fuels (OR 0·40, 0·21–0·76; p=0·0052; appendix p 42). No difference in risk of

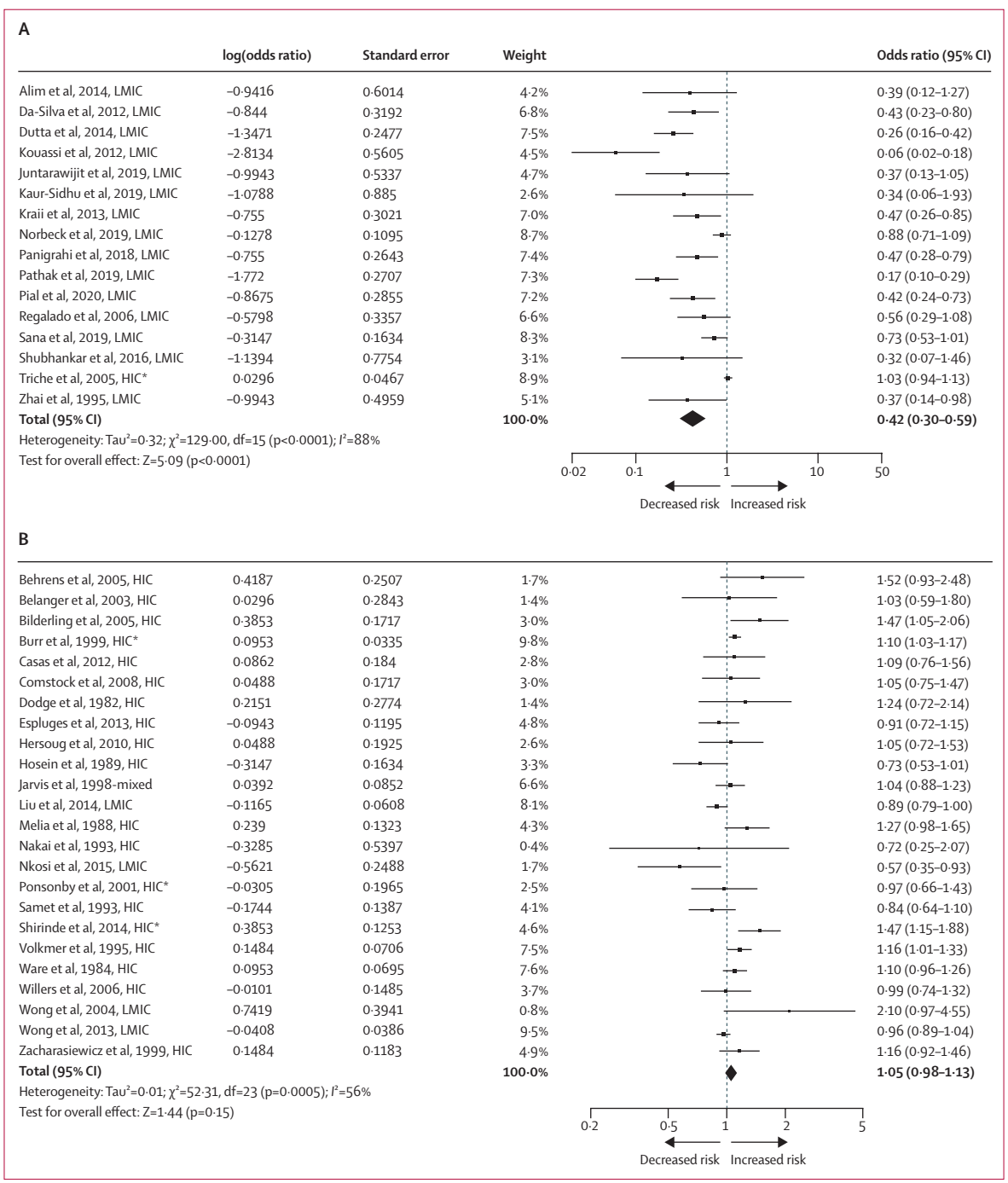


Figure 4: **Risk of wheeze in children and adults from use of gaseous fuels**
Comparison to polluting fuels (coal, biomass, or kerosene; A). Comparison to electricity (B). H=high income. LM=low and middle income. *Fuel used for heating.

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breathlessness was observed from use of gas versus electricity (OR 0·97, 0·81–1·17; p=0·76; appendix p 42). When non-users of gas (n=3) were added to those using electricity, no statistically higher risk was observed from use of gas (OR 1·08, 0·97–1·21; p=0·16; appendix pp 43–44).

Discussion

This comprehensive synthesis of the effects from gaseous fuels used for cooking, heating, or both cooking and heating on key health outcomes provides a valuable evidence base for health-related policies affiliated with the clean-cooking agenda in LMICs. The meta-analyses confirm the potential health gains that can be achieved from switching from polluting solid fuels and kerosene to clean gaseous fuels in terms of reduced emissions of $PM_{2.5}$ and CO (tier 5 for International Organization for Standardization 19867-3 Voluntary Performance Targets).[22] By investigating the potential health effects of gas use for cooking or heating compared with electricity, this analysis also provides evidence to inform emerging concerns over the potential effects of cooking with gas on asthma that are shaping current energy policy in the USA[23] and Europe.[24]

Our meta-analyses indicate that cooking or heating with gas substantially (and significantly) lowers the risk of acute lower respiratory infections or pneumonia, low birth weight, preterm birth, chronic lung disease, and respiratory symptoms (including wheeze, which is closely correlated with the occurrence of asthma) relative to use of polluting fuels, such as wood, charcoal, and kerosene, which are relied on by much of the developing world. Reductions in risk for child and adult asthma were not statically significant.

Comparing cooking or heating with gas versus cooking or heating with electricity (a source of energy with zero emissions at point of use) resulted in mixed findings. For the small number of studies investigating acute and chronic respiratory outcomes, a significant increase in risk was observed for acute lower respiratory infections or pneumonia and chronic obstructive pulmonary disease with use of gas, whereas use of gas lowered the risk of bronchitis versus electricity. Although it was not possible to account for potential methodological characteristics of included studies that might explain these unexpected results for each chronic lung disease outcome, it is clear that confounding and lower methodological quality for all chronic lung disease outcomes combined affected interpretations of risk. Studies with adjustment for key confounders with or without higher methodological quality (LQATs >60%) found a lower risk of chronic lung disease from gas use than electricity, whereas those without adjustment and of lower quality found an increase in risk.

For asthma, no significant increase in risk for children and adults was found for use of gas compared with electricity. When including studies for which the reference group was unclear (ie, non-users of gas) in the sensitivity analysis, risk of childhood asthma slightly increased to 13%, reaching statistical significance. These results provide an important update (additional 27 studies, with 13 studies published since 2013) to the only other meta-analysis of cooking with gas and asthma (which compared gas users to non-users), conducted by Lin and colleagues.[10] The authors reported a 32% increased risk for current and lifetime asthma (OR 1·32, 95% CI 1·18–1·48) on the basis of 19 studies and noted that potential confounding could have exaggerated effects. To investigate the role of confounding in our meta-analyses, sensitivity analyses were done adjusting for key confounders (including active and passive smoking, ambient air pollution (proxies), and socioeconomic status; appendix p 21). We confirmed that that risk of asthma from gas use was potentially exaggerated in studies with no or limited adjustment for confounders versus those with adjustment for at least one key confounder. In addition, our analysis found no significant increase in risk of wheeze (similar in manifestation to asthma) for gas compared with electricity. Calculations of excess population-attributable risk for childhood asthma from use of gas for cooking compared with electricity or non-use[23] on the basis of older meta-analyses such as Lin and colleagues[10] (OR 1·32; 95% CI 1·18–1·48) are therefore likely to overestimate the true burden by 72% (OR 1·09 for all studies) or 85% (OR 1·05 for adjusted studies). Although asthma carries a substantial global disease burden with an estimated 455 000 global annual deaths,[25] this mortality is less than seven times the global disease burden caused by exposure to particulate matter ($PM_{2.5}$) associated with domestic use of solid fuels or kerosene for cooking. This finding is important when considering effective policies for rapid scalability of clean cooking to address the public health burden from household air pollution in LMICs.[26]

Our meta-analyses indicating the potential protective effect of gas for cooking in LMICs compared with polluting fuels for adverse pregnancy outcomes and low birth weight are not consistent with a recent finding from the largest RCT of an exclusive liquefied petroleum gas cooking intervention in four LMICs countries.[27] The Household Air Pollution Intervention Network (HAPIN) trial (published in 2022)[27] identified no difference in low birth weight for infants born in homes using liquefied petroleum gas (intervention n=1593, mean 2921 g [SD 474·3]) compared with those using solid fuels (control n=1607, mean 2898 g [467·9]). One possible explanation for the absence of effect postulated by the authors was the potential negative effect of pollution exposure during the first trimester of pregnancy that was not averted by the HAPIN trial (intervention implementation was during the second trimester).

Our meta-analyses are based on a comprehensive appraisal of international bibliographic databases (including Chinese literature) summarising the current state of the evidence including all study designs. A

notable limitation is the reliance on data from observational studies, particularly cross-sectional studies, with a dearth of studies involving an RCT design. There were no RCTs for several outcomes including asthma, chronic lung disease (chronic obstructive pulmonary disease, bronchitis, and severe respiratory illness or pulmonary function deficit), wheeze, and cough or breathlessness. One RCT was identified that looked at both acute lower respiratory illness in children and adverse pregnancy outcomes (the GRAPHS trial),[28] for both acute lower respiratory infections (risk ratio 0·98, 95% CI 0·58–1·70; p=0·52) and adverse pregnancy outcomes, including low birth weight (RR 1·02, 0·72–1·45; p=0·90), preterm birth (RR 0·94, 0·51–1·71; p=0·83), and small for gestational age (RR 1·07, 0·81–1·42; p=0·61); no effect was observed contrasting the liquefied petroleum gas cookstove intervention to traditional use of biomass fuel. The authors did a rigorous assessment of exposure to $PM_{2.5}$ during the trial and noted that anticipated exposure reductions caused by cleaner cooking with liquefied petroleum gas were not observed, possibly explained by community contamination (the design was not cluster randomised and intervention households were located next to those continuing to use polluting biomass). The study also recruited women in the third trimester of pregnancy and, as discussed for the HAPIN trial,[27] therefore did not assess potential reductions in exposure across the pregnancy, including the first trimester, which might be a particularly vulnerable period. Adding the observational studies to these outcomes in our meta-analyses, showed significant intervention effects for liquefied petroleum gas with a lower risk of acute lower respiratory infections, low birth weight, and preterm birth, but not for small for gestational age.

Even with the potential misclassification of exposure[28] and health outcome,[27,28] which is likely to have resulted in more conservative estimates of effect, RCTs provide better evidence to judge causality of relationships between clean cooking interventions and health outcomes because of the reduced likelihood for confounding and bias. In studies of clean cooking interventions and positive health effects through reductions in exposure to household air pollution, accounting for potential confounding from ambient air pollution and environmental tobacco smoke will be crucial in interpreting estimates of association (in addition to other factors that influence the probable use of clean modern energy and health, such as socioeconomic status). Unfortunately, as described previously, only a minority of the observational studies in the review adequately adjusted for these key confounders.

Clearly, more rigorous RCTs are required to confirm the potential intervention effects for health from transitioning from polluting biomass to liquefied petroleum gas for cooking and heating (and also the potential health gains from switching from liquefied petroleum gas to electricity). Carefully conducted RCTs will give more confidence in understanding effects from these interventions. However, for settings where populations rely on biomass and kerosene for their household energy, such trials are extremely challenging in terms of both practicality and cost (both the GRAPHS[28] and HAPIN[27] trials had to provide an unlimited supply of liquefied petroleum gas during the conduct of the trials to ensure adherence to the interventions). In the absence of this intervention-based evidence, information from the large number of observational studies can give an indication of the potential health gain that can be achieved from transitioning to clean cooking, especially if estimates of effect are consistent across different countries or contexts, and there are heterogeneous study designs in which adjustment for key confounders has been undertaken.[29]

One helpful addition to understanding the relationship between adoption of cleaner cooking fuels (eg, gas) and energy (electricity) and positive effects on health is the objective measurement of actual exposure to health-damaging pollutants (eg, respirable $PM_{2.5}$, CO, and NO_2). Such measurement can help understand potential mechanistic pathways between domestic use of gas for both potentially positive (reduced $PM_{2.5}$ and CO) and negative (eg, increased NO_2) health effects. For example, domestic use of gas has been related to raised emissions of NO_2 (potentially confounded by outdoor and traffic pollution), higher than the recently reduced WHO guideline concentration for NO_2.[30,31] Historically, few studies have attempted to objectively measure exposure to specific air pollutants; however, with the increased availability of low-cost air-quality monitors, future studies of clean cooking fuels and energy and health should incorporate such exposure measurement to strengthen interpretation of any estimates of effect. In addition, efforts should be undertaken to provide more granular evidence on factors that could influence exposure to emissions (eg, presence of gas ventilation such as through hoods), which could influence pollutant concentrations and resulting health effects.[32]

Although we focused on health outcomes that can be grouped with broadly homogeneous definitions, another potential limitation of our comprehensive synthesis of the mostly, observational evidence is the pooling of effect estimates from heterogeneous epidemiological studies with varying methods (and methodological quality), conducted across a wide range of contexts. Although we have not made assumptions on hierarchy of evidence by study design, we have attempted to account for heterogeneity using transparent meta-analytic procedures (including statistically, such as calculation of the I^2 statistic), and through interrogation of how heterogeneity effect pooled estimates (eg, through sensitivity analyses, including adjustment for confounding and study methodological quality). Of note, our crude stratification by study quality tended to show a slightly exaggerated effect for studies of lower methodological quality (≤60% LQATs) in both directions when comparing gas to

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polluting fuels and electricity, although this finding did not change interpretation of the associations.

In conclusion, this Article demonstrates a significantly lower risk for key health outcomes when switching from polluting solid fuels or kerosene to gaseous fuels for cooking or heating, suggesting cleaner fuels could contribute to reducing the global disease burden from exposure to household air pollution (figure 2). This potential health gain is important when designing strategies to scale the adoption of clean cooking fuels and technologies in LMICs, where the disease burden from reliance on polluting fuels is greatest. In most of these contexts, gas (particularly liquefied petroleum gas) represents the best option for effective scalability in the short-to-medium term.[33] However, given that our review has identified a small or modest increase in risk from use of gas compared with electricity for acute lower respiratory infections or pneumonia and chronic obstructive pulmonary disease (albeit from studies with methodological limitations), electricity might ultimately be the priority option for clean cooking when possible to effectively scale for exclusive use. Although further understanding the relationship between exposure to NO_2 and other pollutants emitted from gas combustion is necessary, our evidence suggests that gaseous fuels can be considered an important transitional clean fuel option in contexts without access to renewably-sourced electric cooking and heating.

Contributors

DP, EP, EN, HA-R, LA, and JL designed the study. EP, DP, GS, JL, KNW, and HA-R coordinated and supervised the study. MM, NF, EN, EP, and DP designed the literature searches. MM and NF ran the searches in the English and international (except Chinese) databases. YL and RX ran the searches in the Chinese databases. NF, DP, EP, EN, RD, RB, YL, and RX screened titles, abstracts, and full records of publications. FR, FL, NF, EP, DP, RB, RD, YL, RX, and EN extracted data and assessed risk of bias. DP, FL, NF, and EP had full access to the data in the study. DP and FL did the statistical analyses and verified the data. EP, DP, and NF wrote the manuscript. All authors critically revised the manuscript and accepted responsibility to submit for publication.

Declaration of interests

We declare no competing interests.

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Data sharing

Data sharing is not applicable to this Article because no datasets were generated or analysed during the current study. All data analysed during this study were extracted by published sources listed and fully referenced in the appendix (p 45).

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U.S. Government Accountability Office

Gas Stoves: Risks and Safety Standards Related to Products and Ventilation

GAO-25-107514
Q&A Report to Congressional Committees
March 18, 2025

Why This Matters

Millions of Americans use gas stoves—that is, gas ovens, cooktops, and ranges. While voluntary standards for gas stoves are developed and updated regularly through consensus-based processes to help protect users, researchers and others have raised concerns about the potential risks from emissions associated with these appliances. However, there is disagreement about the extent of linkage between the emissions produced by gas stoves and certain health issues.

The Senate Report accompanying the Financial Services and General Government Appropriations Bill of 2024 includes a provision for us to report on actions taken by industry and the federal government over the last 25 years to improve gas stove safety. This report describes the potential risks associated with gas stoves, relevant safety standards, efforts to improve safety, and challenges encountered in implementing these improvements.

Key Takeaways

- Gas stoves pose certain health and safety risks, due in part to potentially harmful emissions, including nitrogen dioxide, but there is ongoing debate about the extent of their impact on human health.
- Gas stove safety is addressed through voluntary industry consensus standards, third-party testing, and state and local building codes. Retailers generally require gas stoves they sell to meet the voluntary standards.
- Industry participants, researchers, and regulatory agencies are engaged in ongoing efforts to enhance safety features, testing, and ventilation systems to further mitigate potential emissions risks.
- Challenges to improving gas stove safety involve regulatory coordination, economic constraints, consumer behavior, and technological integration. Addressing these challenges requires collaboration among standards development organizations, government entities, and industry stakeholders.

What do available data show about the extent of gas stove use?

Census Bureau and sales data indicate that gas stove use has been relatively stable since at least 2015 but may be declining. According to the American Housing Survey conducted by the Census Bureau, from 2015 to 2021, 33.3 percent (+/- 0.3 percent) of households used piped gas as their cooking fuel source, indicating the use of gas stoves. However, gas stove shipments in the U.S. (domestically produced and imported) declined from 46 percent of all stove shipments in 2020 to 37 percent in 2023, according to the Association of Home Appliance Manufacturers.

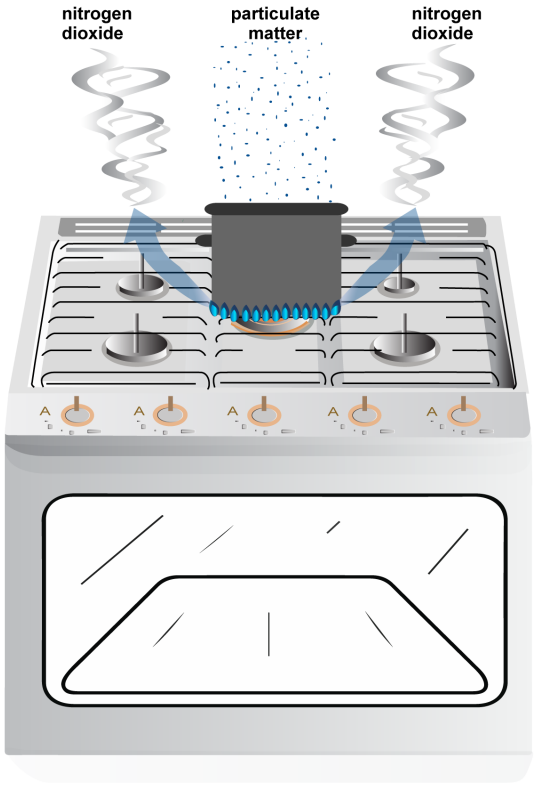
While declining shipments may suggest a decrease in future usage, other factors also influence stove type. These include the geographic location of new construction and short-term purchasing patterns, which may have varied during the COVID-19 pandemic, according to the Association of Home Appliance Manufacturers.

The decision to install a gas stove generally occurs during the construction of a residence and is subject to the availability of gas service to the building. For example, two industry associations we interviewed noted that switching stove types post-construction is uncommon due to the cost and work involved in installing a gas supply for a new gas stove or upgrading electrical service for a new 240-volt electric stove.[1]

What potential hazards have been identified related to gas stoves?

Gas stoves pose risks that include carbon monoxide and nitrogen dioxide emissions, as well as risks that are common to all stoves, including particulate matter emissions, fires, and burns.[2] When in use, gas stoves emit nitrogen dioxide, a respiratory irritant that can affect health depending on exposure levels and individual sensitivity (see fig. 1). Studies have found that nitrogen dioxide emissions from gas stoves can exceed the 1-hour exposure limits set by the Environmental Protection Agency (EPA) for outdoor air and recommended by the World Health Organization for both indoor and outdoor air.[3] In addition, gas stove cooking produces carbon monoxide, which can reach potentially lethal levels with a malfunctioning stove in a space with inadequate ventilation.

Figure 1: Gas Stove Cooking Emissions of Health Concern



Source: GAO (icons). | GAO-25-107514

Note: Gas stove cooking produces particulate matter through the combustion process as well as some cooking processes (such as pan frying). In addition to nitrogen dioxide and particulate matter, gas stove cooking emits carbon dioxide and carbon monoxide, and it can also emit methane, benzene, and other gases. In this report, we focus on nitrogen dioxide, particulate matter, and carbon monoxide because they are described by the Environmental Protection Agency as major pollutants from gas stoves. The amount of carbon monoxide produced is usually not hazardous. However, if gas stoves are not working properly or are used incorrectly, dangerous levels of carbon monoxide can result in a space with inadequate ventilation.

However, there is no consensus on the health effects of nitrogen dioxide emissions directly attributable to gas stove cooking. For example, one meta-analysis (a study analyzing the results of other studies) found a correlation between gas stove use and increased asthma risk in children but noted that the relationship was not necessarily attributable to nitrogen dioxide production alone.[4] Another meta-analysis pointed out that the prior meta-analysis may not have sufficiently accounted for confounding factors, such as socioeconomic status or family history of asthma or allergies, which may explain the association between gas stoves and asthma.[5]

In addition, both gas and electric stoves can present hazards related to fires, burns, and particulate matter. Fires can occur due to gas leaks, electrical malfunction, and accidents while cooking, such as a cloth igniting on or near the cooktop. Burns are another risk, as users may be exposed to high surface temperatures. Additionally, cooking on any stove emits fine particulate matter (airborne particles less than 2.5 micrometers in diameter) during some cooking processes, such as pan frying. In addition, gas stoves emit ultrafine particulate matter (airborne particles with a diameter of 0.1 micrometers or less) from the combustion process. Ultrafine and fine particulate matter may affect heart and lung health, depending on exposure time, concentrations, general health, and other factors.

The Consumer Product Safety Commission (CPSC) announced 35 gas stove recalls between June 1973 and February 2024, according to the agency.[6] These recalls addressed hazards related to fires, burns, explosions, and carbon monoxide exposure. In 2022 and 2023, about 60,000 stoves were recalled after it was discovered they could emit dangerous levels of carbon monoxide.

What safety standards are in place related to gas stoves?

Safety standards for gas stove products and ventilation systems have been affected by several standards development organizations. These organizations develop voluntary, consensus-based standards designed to support the safe manufacture and use of gas stoves. Parties involved in developing these standards can include building safety professionals and representatives of industry, government, and labor groups, as well as academic researchers and consumer advocates.

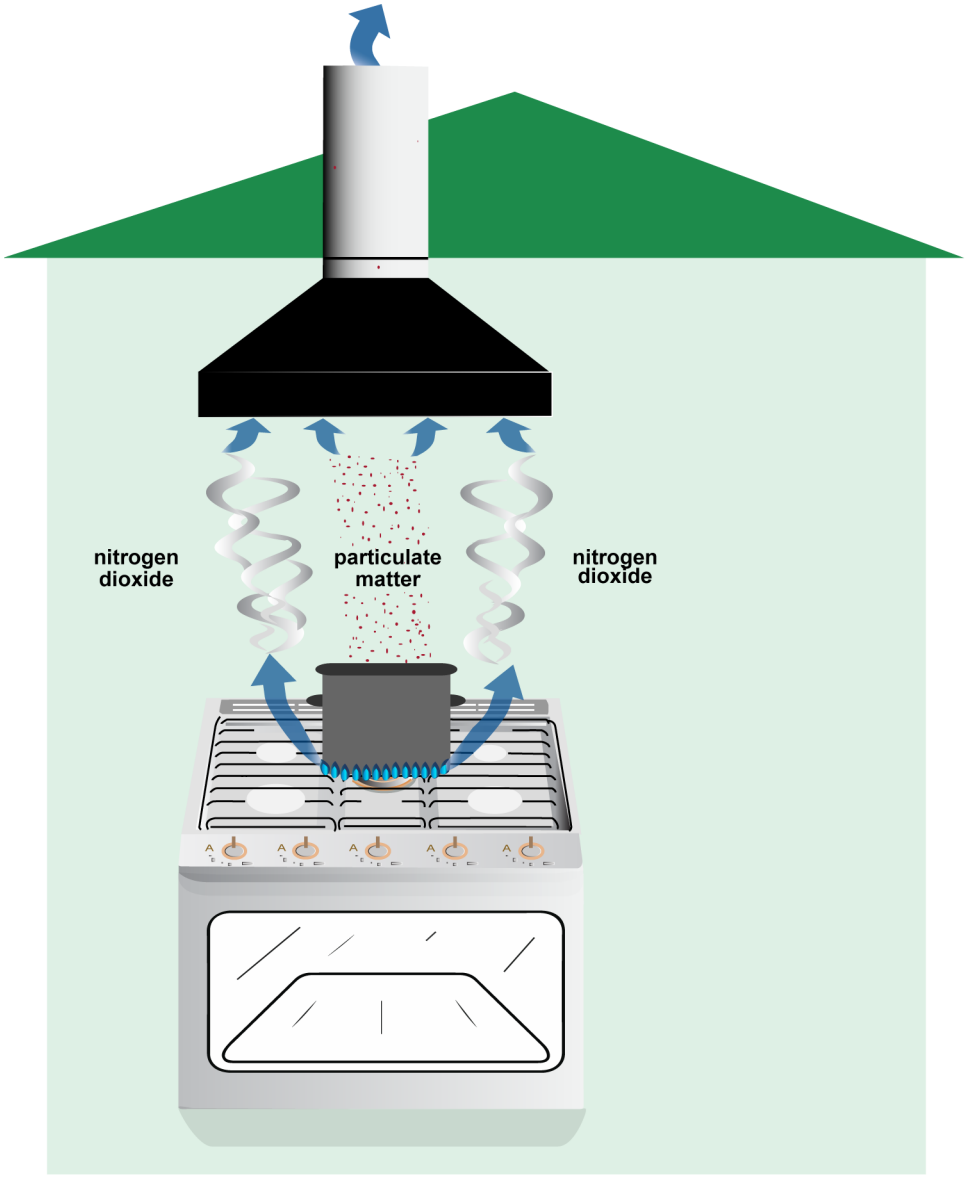
Product safety standards

The Canadian Standards Association (CSA) Group has developed consensus-based standards for gas stove safety, which have been accredited by the American National Standards Institute (ANSI).[7] These standards—known as Canadian Standards Association/American National Standards Institute (CSA/ANSI) Z21.1—address various safety features for gas stoves, including protection against accidental burns and prevention of incomplete gas combustion, which can lead to carbon monoxide exposure.

Ventilation standards

While not specific to gas stoves, ventilation standards draw from a range of organizations and experts to address indoor air quality. Potentially harmful emissions from gas stoves can be mitigated through ventilation that directs emissions to the outdoors (see fig. 2).

Figure 2: External Ventilation of Gas Stove Emissions of Health Concern



Source: GAO (icons). | GAO-25-107514

Note: Gas stove cooking produces particulate matter through the combustion process as well as some cooking processes (such as pan frying). In addition to nitrogen dioxide and particulate matter, gas stove cooking emits carbon dioxide and carbon monoxide, and it can also emit methane, benzene, and other gases. In this report, we focus on nitrogen dioxide, particulate matter, and carbon monoxide because they are described by the Environmental Protection Agency as major pollutants from gas stoves. The amount of carbon monoxide produced is usually not hazardous. However, if gas stoves are not working properly or are used incorrectly, dangerous levels of carbon monoxide can result in a space with inadequate ventilation. Additionally, the effectiveness of ventilation systems such as range hoods varies in capturing and exhausting the emissions. As a result, some of the emissions can remain in the room or home.

The International Residential Code (IRC), which has been adopted by the vast majority of states (sometimes with modifications by states and municipalities), includes ventilation standards for residential dwellings.[8] Among others, the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) has contributed to the IRC ventilation requirements.[9] IRC and related ASHRAE standards consider both dwelling-unit ventilation and local exhaust ventilation as effective systems for removing contaminants from locations such as kitchens. For instance, ASHRAE standards consider the size and layout of the

kitchen as well as the operation and interrelationships between different exhaust systems (e.g., continuous whole-house ventilation and on-demand exhaust specific to the kitchen, including range hoods).

While kitchen ventilation systems in homes include those that exhaust emissions directly outdoors, current IRC standards also allow for the use of range hoods that recirculate air in conjunction with ventilation in the household. According to organizations and researchers with expertise in indoor air quality, ventilation system effectiveness can vary depending on factors including the size of the kitchen and home, the interaction of any kitchen ventilation with whole-house ventilation, the air flow ratings of motorized fans and blowers in the ventilation devices, and the capture efficiency of range hoods.

There are no federal standards for indoor air quality in residential dwellings. However, the Department of Housing and Urban Development (HUD) has established construction and safety standards for manufactured homes that include ventilation requirements.[10]

Who ensures the safety standards are met?

Third-party testing organizations (hired by stove manufacturers), CPSC, and others help ensure manufacturers meet product safety standards, while building inspectors help ensure builders meet ventilation standards.

Product safety

Manufacturers contract with third-party testing organizations to verify compliance with voluntary safety standards. These organizations review manufacturing processes, certify products that meet the standards, and label them as “listed.” Major retailers typically require the products they sell to be listed. State and local building codes generally require builders to install listed gas stoves.

CPSC currently relies on manufacturers voluntarily adhering to applicable product safety standards to ensure gas stove safety but has authority to create mandatory standards if it determines that there is no existing voluntary standard that will eliminate or adequately reduce a risk of injury. In making such a determination, CPSC must assess whether 1) compliance with the voluntary standards will adequately protect consumers and 2) it is likely that manufacturers will comply with the standards. CPSC also has authority to require manufacturers to recall gas stoves that the Commission has determined create a substantial product hazard as defined in the Consumer Product Safety Act.[11]

Ventilation standards

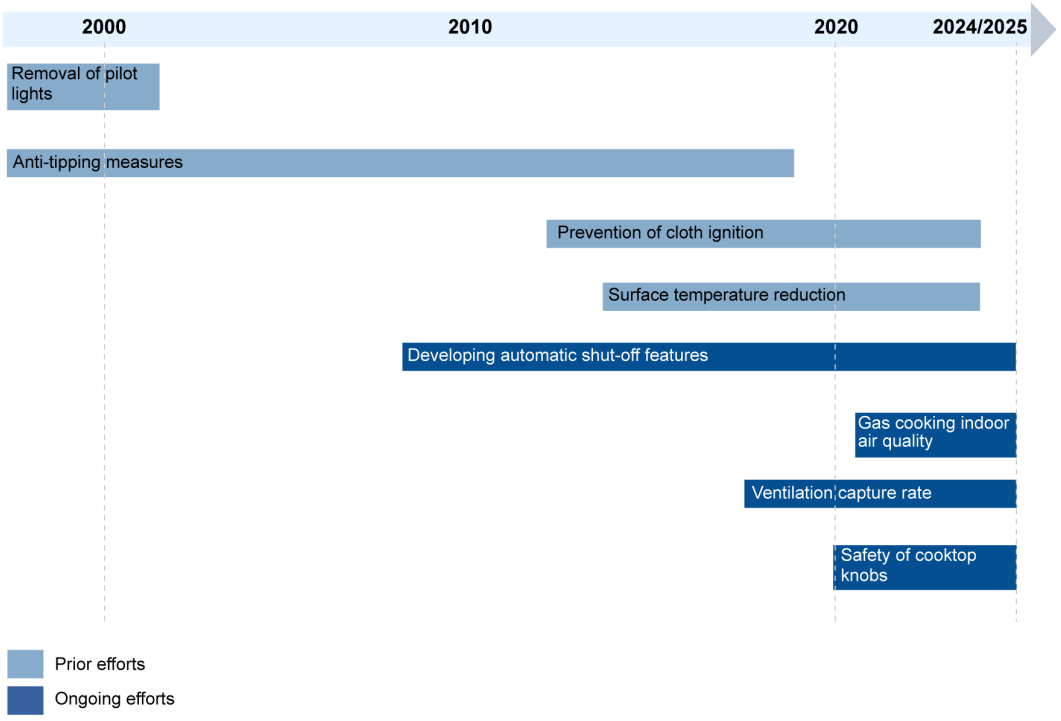
Building inspectors ensure compliance with applicable ventilation standards in residential buildings during construction or remodeling. These standards vary among states and municipalities. State and local building codes generally reference the IRC, which incorporates standards for ventilation, or supplement the IRC standards. Ventilation standards vary across the country because not all states and municipalities have adopted the same version of the IRC, which is updated every 3 years.

What actions have industry participants taken to improve gas stove safety?

Over the past 25 years, gas stove industry participants have helped develop and implement safety features and standards for gas stoves and made improvements in ventilation methods.

Safety improvements for both gas and electric stoves include reducing exterior surface temperatures to prevent burns and implementing measures to prevent stoves from tipping. Electronic controls, including remote control of the appliance, on both types of stoves has been an emerging trend. Improvements specific to gas stoves include the removal of pilot lights, the introduction of automatic shut-off features to prevent carbon monoxide emissions, and enhancements to prevent burners from being accidentally turned on (see fig. 3).

Figure 3: Key Safety Improvements Related to Gas Stoves, 2000–2025



Source: GAO summary of industry information. | GAO-25-107514

More recently, CSA Group has begun to study gas stove emissions. For example, in 2022, the Gas Range Stoves and Indoor Air Quality working group was formed to conduct further research on emissions and explore the development of testing methods for measuring emission levels, including for nitrogen dioxide.[12] These collaborative efforts involve various industry participants, CPSC, CSA Group, and other subject matter experts. As of December 2024, CSA Group was exploring funding options to continue research projects developing testing methodologies and a test facility that can be replicated.

Industry participants are also studying methods for improving ventilation, according to our interviews and review of research and documentation. For example, researchers are working to enhance test methods for measuring the “capture rate” of vent hoods to better determine how to effectively capture and exhaust emissions from gas stoves. One industry participant noted ongoing efforts to improve vent hood capture rates and reduce energy requirements and noise levels of ventilation fan motors. Industry participants said they would continue to focus on gas stove emissions and ventilation improvements.

What has the federal government done to improve gas stove safety?

Federal agencies have undertaken several efforts to enhance gas stove safety, including sponsoring research, contributing to the development of safety features, and executing product recalls.

- **CPSC:** CPSC collaborates with industry participants and subject matter experts on committees responsible for updating voluntary, consensus-based standards related to gas stoves. CPSC participates in the CSA/ANSI Z21.1 Committee, which addresses household gas cooking appliances. CSA Group, CPSC, and others are currently studying emissions from gas stoves and working to develop test methods for various emissions, including nitrogen dioxide. Previously, CPSC participated in efforts that established standards to include preventing stoves from tipping. CPSC has also engaged in product recalls involving gas stoves. According to CPSC officials, CPSC has not promulgated mandatory standards because the voluntary standards are effective and there is widespread industry compliance with the voluntary standards.
- **EPA:** EPA's Federal Interagency Committee on Indoor Air Quality brings together industry, government, and research participants to discuss indoor air quality, including issues related to gas stoves. Through this committee, EPA has promoted research and advised standards development organizations on indoor air quality considerations, including irritants such as nitrogen dioxide. EPA has also recommended the use of exhaust fans that vent outdoors.
- **Occupational Safety and Health Administration:** The agency's Nationally Recognized Testing Laboratory Program recognizes laboratories that meet the qualifications to perform testing and certification for conformance with product safety test standards. Generally, these laboratories test equipment for safe use in the workplace, but some test residential gas stoves.
- **Department of Energy:** The department issued a statement in January 2024 that it would update gas stove efficiency standards, among other consumer cooking products. It then issued a direct final rule in February 2024 to codify new standards.[13] It worked with manufacturing representatives and other stakeholders to finalize energy conservation standards, taking into account technological and economic considerations.
- **HUD:** HUD established and enforces construction and safety standards for manufactured homes (which make up approximately 7 percent of occupied housing stock nationwide). Based on analysis of recommendations from the Manufactured Housing Consensus Committee (a Federal Advisory Committee), HUD updates the Manufactured Home Construction and Safety Standards, which includes gas appliance and ventilation considerations. HUD also makes safety recommendations through its Healthy Homes Program, such as choosing exterior-vented appliances when possible, installing local exhaust ventilation for indoor combustion appliances, and limiting or avoiding the use of gas ovens or ranges to heat homes altogether.

What actions have others taken to improve gas stove safety?

Other organizations and subject matter experts have contributed to advancing gas stove safety through research and the development of testing methodologies. Several organizations and researchers have studied factors that affect indoor air quality. For example, Lawrence Berkeley National Laboratory researchers have studied emissions from gas stoves, focusing on the variability

in emissions levels that can occur. This research helps identify the factors influencing gas stove emissions and potential mitigation measures.

Additionally, efforts continue to improve ventilation methods. For instance, ASTM International states it has undertaken efforts to modernize and update testing methods for measuring the effectiveness of ventilation hoods. These efforts focus on quantifying the efficiency, or capture rate, of range hoods. For example, the performance of range hoods varies considerably based on factors such as fan airflow and the extent to which the hood covers the gas burners on a cooktop—a hood that fully covers all burners typically achieves a higher capture rate than one that partially covers them. Other industry participants are incorporating new technologies into range hoods to automatically activate the exhaust fan through sensors.

What challenges exist to future improvements in gas stove safety?

Our review of safety improvement efforts by industry and government organizations identified several challenges to improving gas stove safety, including regulatory, economic, consumer, and technological factors:

Regulatory fragmentation. The safety standards for gas stoves and for ventilation are developed by different standards development organizations. The interconnectedness of the two issues presents a coordination challenge and requires collaboration to effectively integrate emissions and ventilation considerations together.

Economic considerations. Evolving product safety and ventilation standards present economic challenges. While new products and construction projects can more easily accommodate enhancements, updating or retrofitting existing appliances or ventilation systems can be cost prohibitive, especially in older buildings. Further, advanced features, such as sensors that automatically activate exhaust fans when the stove is in use, may face market adoption barriers due to high upfront costs.

Consumer behavior. Consumer behavior also affects the safety of gas stoves. For example, the effectiveness and benefit of a vent hood above a cooktop is reduced if the users seldom turn it on while cooking. Other behaviors, such as the placement of pots and pans, also affect ventilation. For example, ventilation devices generally capture more emissions from the back burners than the front burners, according to some researchers.

Technological issues. Efforts to incorporate new technologies and enhance standards for gas stoves and ventilation are ongoing and interrelated. Given the multiple stakeholders involved and the interconnectedness of stove and ventilation issues, coordination and collaboration among different standards development organizations, government entities, and industry participants will be essential for advancing gas stove safety.

Agency Comments

We provided a draft of this report to CPSC, EPA, HUD, and the Department of Energy for review and comment. The agencies provided technical comments, which we incorporated as appropriate. CPSC also provided a letter, reproduced in this report. The agency noted that it has no plans to advance any rule to ban gas stoves, or to pursue any other mandatory standards that would limit consumer choice with respect to this product category.

How GAO Did This Study

For this work, we conducted a literature review to identify studies, articles, and other publications from industry, academia, health organizations, and government sources relevant to the safety of gas stoves. We reviewed documentation and conducted interviews with representatives of federal agencies (CPSC, EPA, HUD, and the Department of Energy) and standards development organizations (CSA Group, International Code Council, and ASHRAE).

In addition, we interviewed representatives of UL Solutions, which tests and certifies appliances for compliance with safety standards; ASTM International, which develops laboratory test methods; and RMI, an energy-focused nonprofit. We also interviewed representatives of three industry associations (Association of Home Appliance Manufacturers, National Apartment Association, and National Association of Home Builders) and two appliance manufacturers, as well as two academic researchers.

We conducted this performance audit from April 2024 to March 2025 in accordance with generally accepted government auditing standards. Those standards require that we plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides a reasonable basis for our findings and conclusions based on our audit objectives.

List of Addressees

The Honorable Bill Hagerty
Chair
The Honorable Jack Reed
Ranking Member
Subcommittee on Financial Services and General Government
Committee on Appropriations
United States Senate

The Honorable Dave Joyce
Chairman
The Honorable Steny H. Hoyer
Ranking Member
Subcommittee on Financial Services and General Government
Committee on Appropriations
House of Representatives

We are sending copies of this report to the appropriate congressional committees, the Acting Chairman of the Consumer Product Safety Commission, Administrator of the Environmental Protection Agency, Secretary of Housing and Urban Development, and Secretary of Energy. In addition, the report is available at no charge on the GAO website at http://www.gao.gov.

Comments from the Consumer Product Safety Commission

UNITED STATES
CONSUMER PRODUCT SAFETY COMMISSION
4330 EAST WEST HIGHWAY
BETHESDA, MD 20814
ACTING CHAIRMAN PETER A. FELDMAN

February 26, 2025

Sent via E-mail
Ms. Alicia Puente Cackley
Director
Financial Markets and Community Investment
Government Accountability Office

Re: GAO Engagement No. 25-107514

Dear Ms. Cackley:

I appreciate the opportunity to engage with GAO on your report titled *Gas Stoves: Risks and Safety Standards Related to Products and Ventilation*, (GAO-25-107514). The United States Consumer Product Safety Commission (CPSC) is a federal safety agency with a mission to reduce the unreasonable risk of injury from consumer products. I write to highlight that CPSC has no plans to advance any rule to ban gas stoves, or to pursue any other mandatory standards that would limit consumer choice with respect to this product category. On March 7, 2023, the Commission published a Request for Information (RFI) on Chronic Hazards Associated with Gas Ranges. The comment period on this RFI closed in May 2023, and I consider this matter concluded.

As GAO notes in its report, millions of Americans use gas stoves every day. In fact, American families have been using gas stoves, cooktops, and ranges, for years and largely without incident. CPSC will, of course, continue to pursue safety recalls on a case-by-case basis under our statutory authority, for example manufacturing defects that could result in fires, burns, explosions and carbon monoxide exposure. But as GAO also notes, there is ongoing disagreement about the extent of the linkage between the emissions produced by gas stoves and certain health issues. For these reasons, I believe CPSC's attention and limited resources are better focused on the agency's core safety mission, not backdoor climate regulation.

Again, I thank GAO for the opportunity to provide comments on this report.

Sincerely,

Peter A. Feldman
Acting Chairman

GAO Contact Information

For more information, contact: Alicia Puente Cackley, Director, Financial Markets and Community Investment, CackleyA@gao.gov, (202) 512-8678.

Sarah Kaczmarek, Managing Director, Public Affairs, KaczmarekS@gao.gov, (202) 512-4800.

A. Nicole Clowers, Managing Director, Congressional Relations, ClowersA@gao.gov, (202) 512-4400.

Staff Acknowledgments: Patrick Ward (Assistant Director), Barry Kirby (Analyst in Charge), Michael Armes, Julianne Dieterich, Megan Harries, Garrett Hillyer, Daniel Horowitz, Jill Lacey, Charlene Lindsay, Abinash Mohanty, Kimberly

Reardon, Deena Richart, Franklin Rusco, Lindsay Shapray, Tristan Shaughnessy, Jena Sinkfield, Jack Wang, and Kristen Watts.

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Endnotes

[1]In this report, we refer to industry participants as entities involved in the development, manufacture, testing, sale, installation, and servicing of gas stoves in residential dwellings.

[2]In addition to emitting nitrogen dioxide, carbon monoxide, and particulate matter, gas stove cooking can also emit methane, benzene, and other gases. In this report, we focus on carbon monoxide, nitrogen dioxide, and particulate matter because they are described by the Environmental Protection Agency (EPA) as major pollutants from gas stoves. In January 2023, the Chair of the Consumer Product Safety Commission (CPSC), Alexander Hoehn-Saric, issued a statement that CPSC was researching gas emissions in stoves and engaged in strengthening voluntary safety standards for gas stoves. He also affirmed that the agency was not seeking to ban gas stoves.

[3]EPA regulates outdoor air quality, setting an acute outdoor air exposure limit for nitrogen dioxide at 100 parts per billion over 1 hour. Also, the World Health Organization recommends a 1-hour exposure limit at 200 micrograms per cubic meter (approximately 100 parts per billion) for both indoor and outdoor air. One study found that nitrogen dioxide levels exceeded these limits particularly in small homes or those with enclosed kitchens. See Singer, B. C. et al., “Pollutant concentrations and emission rates from natural gas cooking burners without and with range hood exhaust in nine California homes,” *Building and Environment*, vol. 122 (2017): 215–229. Similar findings were reported by Kashtan, Y. et al., “Nitrogen dioxide exposure, health outcomes, and associated demographic disparities due to gas and propane combustion by U.S. stoves,” *Science Advances*, vol. 10, no. 18 (2024).

[4]Lin, W. et al., “Meta-analysis of the effects of indoor nitrogen dioxide and gas cooking on asthma and wheeze in children,” *International Journal of Epidemiology* (2013).

[5]This study was funded by the American Gas Association. It raised concerns about the causal conclusions of the Lin et al. meta-analysis because it was based on studies that only tested correlation. See Li, W. et al., “Gas cooking and respiratory outcomes in children: A systematic review,” *Global Epidemiology*, vol. 5 (2023).

[6]The Consumer Product Safety Act created CPSC to regulate consumer products and address those that pose an unreasonable risk of injury; assist consumers in evaluating the comparative safety of consumer products; and promote research and investigation into the causes and prevention of product-related deaths, injuries, and illnesses. 15 U.S.C. §§ 2051—2089. CPSC is empowered to carry out these goals through a combination of monitoring, research, standard-setting, and enforcement. Some products under CPSC’s jurisdiction are regulated (i.e., subject to mandatory standards established by CPSC through regulations). Many other products, including gas stoves, are subject to voluntary standards, which are generally determined by standard-development organizations with input from government representatives and industry groups. CPSC is an independent regulatory commission with a maximum of five members, one of whom serves as the Commission’s Chair.

[7]Canadian Standards Association/American National Standards Institute, CSA/ANSI Z21.1–*Household Cooking Gas Appliances*.

[8]International Code Council, *International Residential Code (IRC).* The code references the standards of the American Society of Heating, Refrigerating and Air-Conditioning Engineers in its ventilation standards.

[9]ASHRAE 62.2–*Ventilation and Acceptable Indoor Air Quality in Residential Buildings*.

[10]A manufactured home (formerly known as a mobile home) is built to the Manufactured Home Construction and Safety Standards (HUD Code) and displays a red certification label on the exterior of each transportable section.

[11]The term "substantial product hazard" is defined in the Consumer Product Safety Act as “(1) a failure to comply with an applicable consumer product safety rule under this chapter or a similar rule, regulation, standard, or ban under any other Act enforced by the Commission which creates a substantial risk of injury to the public, or (2) a product defect which (because of the pattern of defect, the number of defective products distributed in commerce, the severity of the risk, or otherwise) creates a substantial risk of injury to the public.” 15 U.S.C. § 2064(a). CPSC has several tools available to respond to substantial product hazards, including negotiating or ordering corrective actions from firms. See GAO, *Consumer Product Safety Commission: Actions Needed to Improve Processes for Addressing Product Defect Cases,* GAO-21-56 (Washington, D.C.: Nov. 19, 2020).

[12]CSA Group has initiated two research projects related to gas stoves. The first project focuses on analyzing direct gas range emissions, using a proposed testing protocol that includes a range hood installed above the range surface. The second project involves proposed testing in a chamber to measure emissions in a controlled environment. The results of the chamber testing will be correlated with the range hood tests to determine how a gas range affects indoor air quality under ideal conditions.

[13]In February 2023, the Department of Energy issued a supplemental notice of proposed rulemaking attempting to change energy standards for gas cooking tops, but it was withdrawn. *Energy Conservation Program: Energy Conservation Standards for Consumer Conventional Cooking Products,* 88 Fed. Reg. 6818 (Feb. 1, 2023). It later issued a direct final rule with less stringent standards that the Department implemented. *Energy Conservation Program: Energy Conservation Standards for Consumer Conventional Cooking Products*, 89 Fed. Reg. 11434 (Feb. 14, 2024).

Michigan Public Service Commission
DTE Energy Gas Company
Off-System Transport

Case No.: U-21973
Exhibit: A-37
Schedule: AA3
Witness: J. L. Huffman
Page: 1 of 1

Line No.	Deal No.	Start Term	End Term	Service	Revenue	Volume Contracted		Volume Utilized *
1	04183-05	5/1/2017	4/30/2027	Off-System	$ 20,300.00	171,805		148,400
2	04216-08	6/1/2022	5/31/2027	Off-System	$ 2,586,833.28	30,375,000		18,528,750
3	04016-35	4/1/2022	3/31/2027	Off-System	$ 279,535.71	4,085,000		1,960,800
4	04057-17	11/1/2021	10/31/2026	Off-System	$ 6,564.93	12,400		5,332
5	04150-18	6/1/2023	5/31/2028	Off-System	$ 1,113,947.04	10,950,000		3,832,500
6	04078-08	12/14/2023	10/31/2033	Off-System	$ 740,824.96	7,297,000		1,532,370
7	04005-229	11/1/2023	10/31/2026	Off-System	$ 64,200.00	930,000		576,600
8	04078-10	11/1/2024	3/31/2029	Off-System	$ 166,100.00	755,000		158,550
9	04242-04	11/1/2024	10/31/2027	Off-System	$ 105,456.24	224,475		148,154
10	04048-24	4/1/2026	10/31/2030	Off-System	$ 304,950.03	4,066,000		1,829,700
11	04048-25	11/1/2026	3/31/2031	Off-System	$ 856,986.50	12,226,470		5,501,912
12	04061-249	11/1/2025	3/31/2029	Off-System	$ 340,312.50	2,265,000		453,000
13	04005-239	11/1/2025	3/31/2027	Off-System	$ 453,000.00	3,020,000		1,963,000
14	04053-19	12/1/2026	3/31/2036	Off-System	$ 689,000.00	6,890,000		3,445,000
15	04216-14	4/1/2025	3/31/2030	Off-System	$ 1,969,965.84	33,712,536		8,428,134
16	04057-20	11/1/2026	10/31/2031	Off-System	$ 75,484.31	284,600		284,600
					$ 9,773,461.34	117,265,286		48,796,801
				Off-System	$ 9,773,461.34	117,265,286	$0.08	

* As provided in the Company's response to discovery request AGDG 2.53a

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-2.59d

Respondent: J. L. Huffman

Page: 1 of 1

Question: Refer to pages 54 and 55 of Mr. Huffman's direct testimony on the HPP strategic IT project and Self-Service Service Portal. Please:

d. Provide the number of customers that have requested this access or what other information the Company has gathered that shows most HPP customers want access to this information through the website and would use this capability routinely.

Answer: DTE Gas objects to this request for the reason that the requested information is not relevant or proportional to the needs of the case. Specifically, under MCL 460.10ee, HPP operates as an unregulated value-added program. DTE Gas fulfills its statutory obligation by filing an annual report that itemizes cost allocations between the Company and these programs. Without waiving said objection and subject thereto:

DTE Gas conducted a 2022 study focused on HPP program demographics in Western Michigan. This study explored how customers manage their homes and their opinions about repair services. The study found that certain age groups and customer segments recommended modernizing the customer experience, specifically by adding digital interaction options. The conclusion was that these enhancements would attract customers who would not otherwise enroll unless digital options were available. Additionally, industry benchmarking showed that competitors in the heating and cooling sector were already offering digital experiences, further motivating DTE Gas to provide similar capabilities to remain competitive and attract new customers.

The decision to implement the HPP Self Service is based upon the results of the 2022 customer study and observed trends in digital engagement in similar programs and industries. The rationale is that digital self-service options increase convenience and satisfaction, which in turn increases the likelihood that customers will enroll and remain on the program. This digital experience will help support the 224,173 customers and $108.5 million in gross revenue in witness Huffman's testimony, reducing the overall cost of service for all DTE Gas customers.

Attachment: None

Co-Respondent(s): Legal

NAHB Priced-Out Estimates for 2023

March 2023
Special Study for Housing Economics
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This article presents the NAHB's "priced out estimates" for 2023, showing how higher prices and interest rates affect housing affordability. The 2023 US estimates indicate that a $1,000 increase in the median new home price ($425,786[1]) would price 140,436 households out of the market. As a benchmark, 96.5 million households are not able to afford a new median priced new home. A $1,000 home price increase would make 140,436 more households disqualify for the new home mortgage. Elevated mortgage interest rates, together with higher home prices, create affordability challenges, particularly for first-time buyers.

Other NAHB estimates in this paper show that for 2023, 25 basis points added to the mortgage rate at 30-year fixed rate of 6.25% would price out around 1.3 million households. In addition to the national numbers, NAHB once again is providing priced out estimates for individual states and more than 300 metropolitan areas.

The Priced-Out Methodology and Data

The NAHB priced-out model uses the ability to qualify a mortgage to measure housing affordability, because most home buyers finance their new home purchase with conventional loans, and because convenient underwriting standards for these loans apply. The standard NAHB adopts for its priced-out estimates is that the sum of the mortgage payment (including the principal amount, loan interest, property tax, homeowners' property and private mortgage insurance premiums (PITI), is no more than 28 percent of monthly gross household income.

As a result, the number of households that qualify for mortgages for a certain priced home depends on the household income distribution in an area and the mortgage interest rate at that

[1] The 2022 US median new home price is estimated by projecting the 2021 preliminary median new home price using the NAHB forecast of the Case-Shiller Home Price Index.

time. The most recent detailed household income distributions for all states and metro areas are from the 2021 American Community Survey (ACS). NAHB adjusts the income distributions to reflect the income and population changes that may happen from 2021 to 2023. The income distribution is adjusted for inflation using the 2022 median family income at the state[2] and metro[3] levels and then extrapolated into 2023. The number of households in 2023 is projected by the growth rate of households from 2019 to 2021.

Other assumptions of the priced-out calculation include a 10% down payment and a 30-year fixed rate mortgage at an interest rate of 6.25% with zero points. For a loan with this down payment, private mortgage insurance is required by lenders and thus included as part of PITI. The typical private mortgage insurance annual premium is 73 basis points,[4] based on the standard assumption of a national median credit score of 738[5] and 10% down payment and 30-year fixed mortgage rate. Effective local property tax rates are calculated using data from the 2019 American Community Survey (ACS) summary files. Homeowner insurance rates are constructed from the 2019 ACS Public Use Microdata Sample (PUMS)[6]. For the US as a whole, the effective property tax rate is $10.7 per $1,000 of property value and typical homeowner insurance is $3.6 per $1,000 of property value.

U.S. Priced-Out Estimates

Under these assumptions, 35.9 million of the 132.5 million US households could afford to buy a new median priced home at $425,786 in 2023. A $1,000 home price increase will thus price 140,436 households out of the market for this home. These are the households that can qualify for a mortgage before a $1,000 increase but not afterwards, as shown in Table 1 below.

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[2] The state median family income is published by Department of Housing and Urban Development (HUD).
[3] The MSA median family income is calculated by HUD and published by Federal Financial Institutions Examination Council (FFIEC).
[4] Private mortgage insurance premium (PMI) is obtained from the PMI Cost Calculator(https://www.hsh.com/calc-pmionly.html)
[5] Median credit score information is shown in the article "Four ways today's high home prices affect the larger economy" October 2018 Urban Institute https://www.urban.org/urban-wire/four-ways-todays-high-home-prices-affect-larger-economy
[6] Producing metro level estimates from the ACS PUMS involves aggregating Public Use Microdata Area (PUMA) level data according to the latest definitions of metropolitan areas. Due to complexity of these procedures and since metro level insurance rates tend to remain stable over time, NAHB revises these estimates only periodically.

Table 1. US Households Priced Out of the Market by Increases in House Prices, 2023

Area	Mortgage Rate	House Price	Monthly Mortgage Payment	Taxes and Insurance	Minimum Income Needed	Households Unable to Afford the Median Price
United States	6.25%	$425,786	$2,544	$481	$129,645	96,537,344
United States	6.25%	$426,786	$2,550	$482	$129,950	96,677,780
Difference		$1,000	$6	$1	$304	140,436

Calculations assume a 10% down payment and a 73 basis point fee for private mortgage insurance.
A Household Qualifies for a Mortgage if Mortgage Payments, Taxes, and Insurance are 28% of Income

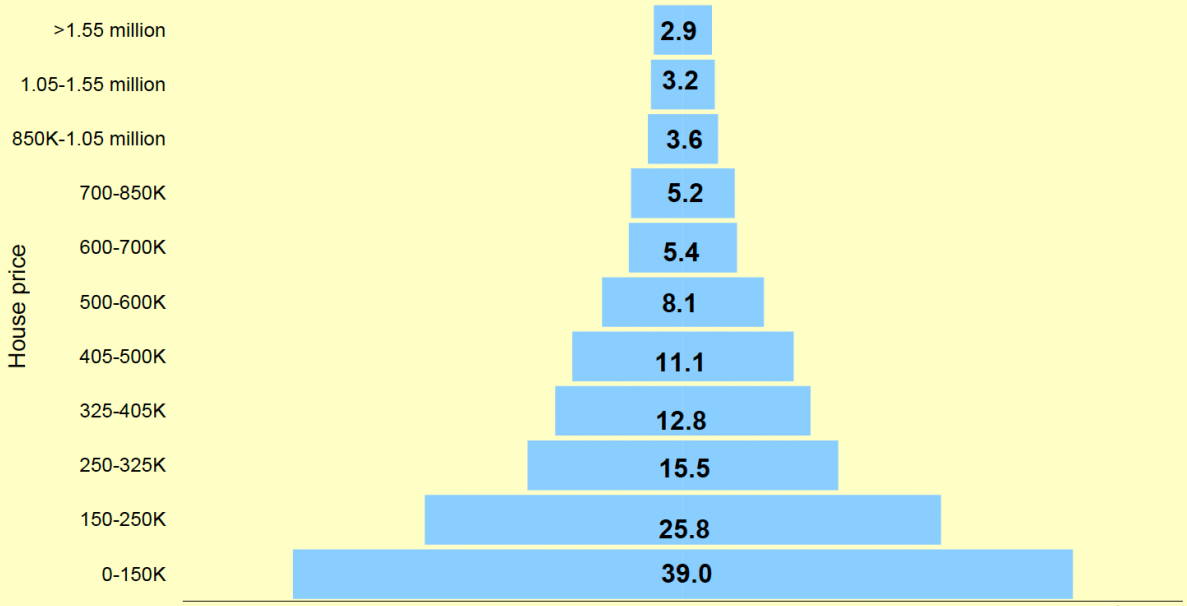
US Household Income Distribution for 2023

Income Range:			Households	Cumulative
$0	to	$11,000	7,986,189	7,986,189
$11,001	to	$16,501	5,109,466	13,095,654
$16,502	to	$22,002	4,803,477	17,899,132
$22,003	to	$27,503	5,133,510	23,032,642
$27,504	to	$33,003	5,039,706	28,072,348
$33,004	to	$38,504	5,315,092	33,387,441
$38,505	to	$44,005	5,049,951	38,437,391
$44,006	to	$49,505	5,236,353	43,673,744
$49,506	to	$55,006	4,632,695	48,306,439
$55,007	to	$66,008	9,455,402	57,761,842
$66,009	to	$82,510	12,815,946	70,577,788
$82,511	to	$110,013	16,905,320	87,483,108
$110,014	to	$137,517	12,685,395	100,168,502
$137,518	to	$165,021	8,856,542	109,025,044
$165,022	to	$220,028	10,486,472	119,511,516
$220,029	to	More	12,958,194	132,469,710

The U.S. housing affordability pyramid represents the number of households that could only afford homes of no more than a certain price. Based on conventional assumptions and underwriting standards, the minimum income required to purchase a $150,000 home at the mortgage rate of 6.25% is $45,672.63. In 2023, about 39 million households in the U.S. are estimated to have incomes no more than that threshold and, therefore, can only afford to buy homes priced no more than $150,000. These 39 million households form the bottom step of the pyramid (Figure 1). Of the remaining households who can afford a home priced at $150,000, 25.8 million can only afford to pay a top price of somewhere between $150,000 and $250,000 (the second step on the pyramid). Each step represents a maximum affordable price range for

fewer and fewer households. Housing affordability is a great concern for households with annual income at the lower end of the distribution.

Figure 1. US Households (in Millions) by Highest Priced Home They Can Afford Based on Income: 2023



Source: Calculations by the National Association of Homebuilders Housing Policy Department, based on income data from the 2021 American Community Survey Public Use Microdata Sample File, U.S. Census Bureau

NAHB National Association of Home Builders

State and Local Estimates

The number of priced out households varies across both states and metropolitan areas, largely affected by the sizes of local population and the affordability of new homes. The 2023 priced-out estimates for all states and the District of Columbia are shown in Table 2, which presents the projected 2023 median new home price estimates and the amount of income needed to qualify the mortgage, the number and the percent of households who cannot afford the new homes, and the number of households could be priced out if price goes up by $1,000. Among all the states, Florida registered the largest number of households priced out of the market by a $1,000 increase in the median-priced home in the state (9,573), followed by Texas (9,151), and California (7,243), largely because these three states are the top three populous states.

Table 3 shows the 2023 priced-out estimates for over 300 metropolitan statistical areas and metro divisions. The metropolitan area (or metro division) with the largest priced out effect, in terms of absolute numbers, is Houston-The Woodlands-Sugar Land, TX, where 3,054 households will be disqualified for a new median-priced home if price goes up by $1,000. The Atlanta-Sandy Springs-Alpharetta, GA metro area registers the second largest number of priced-out households (2,626), followed by Chicago-Naperville-Evanston, IL metro division (2,467) and New York-Jersey City-White Plains, NY-NJ metro division (2,065). Different impacts of adding $1,000 to a new home price are largely due to different sizes of metro population and the affordability of new homes to begin with. The largest priced-out effect is in the Houston, TX metro area, where 2.1 million households are unable to afford the median-priced new home initially, and a $1,000 increase prices out an additional 3,054. Compared to the Houston metro area, the relatively larger priced-out effect in the New York-Jersey City-White Plains, NY-NJ metro division is because of the largest population size among all metro areas and metro divisions.

Interest Rates

The NAHB 2023 priced-out estimates also present how interest rates affect the number of households that would be priced out of the new home market. If mortgage interest rate increase, the monthly mortgage payments will rise as well and therefore higher household income thresholds are needed to qualify for a mortgage loan. Table 4 shows the number of households priced out of the market for a new median priced home at $ 425,786 by each 25 basis-point increase in interest rate from 3.5% to 8%. When interest rates increase from 6.25% to 6.5%, around 1.28 million households can no longer afford buying median-priced new homes. An increase from 6.5% to 7% prices approximately 1.29 million households out of the market. However, about 917,000 households would be squeezed out of the market if interest rate goes up to 7.25% from 7%. This diminishing effect happens because only a few households at the smaller end of household income distribution will be affected. In contrast, when interest rates are relatively low, a 25 basis-point increase would affect a larger number of households at the larger section of the income distribution.

Table 4. U.S. Households Priced Out of the Market by an Increase in Interest Rates, 2022

Mortgage Rate	Median New House Price	Monthly Mortgage Payment	Taxes and Insurance	Minimum Income Needed	Households That Can Afford House	Change in Households	Cumulative Change
3.50%	$425,786	$1,881	$481	$101,202	50,403,369		
3.75%	$425,786	$1,937	$481	$103,621	48,916,640	-1,486,729	-1,486,729
4.00%	$425,786	$1,994	$481	$106,075	47,408,011	-1,508,629	-2,995,358
4.25%	$425,786	$2,052	$481	$108,564	45,877,919	-1,530,092	-4,525,450
4.50%	$425,786	$2,111	$481	$111,088	44,491,512	-1,386,407	-5,911,857
4.75%	$425,786	$2,171	$481	$113,645	43,312,175	-1,179,337	-7,091,194
5.00%	$425,786	$2,231	$481	$116,234	42,117,769	-1,194,406	-8,285,600
5.25%	$425,786	$2,293	$481	$118,856	40,908,653	-1,209,116	-9,494,716
5.50%	$425,786	$2,354	$481	$121,509	39,685,191	-1,223,462	-10,718,178
5.75%	$425,786	$2,417	$481	$124,192	38,447,750	-1,237,441	-11,955,619
6.00%	$425,786	$2,480	$481	$126,904	37,196,702	-1,251,048	-13,206,667
6.25%	$425,786	$2,544	$481	$129,645	35,932,420	-1,264,282	-14,470,949
6.50%	$425,786	$2,609	$481	$132,414	34,655,276	-1,277,144	-15,748,093
6.75%	$425,786	$2,674	$481	$135,210	33,365,647	-1,289,629	-17,037,722
7.00%	$425,786	$2,740	$481	$138,033	32,135,530	-1,230,117	-18,267,839
7.25%	$425,786	$2,806	$481	$140,880	31,218,499	-917,031	-19,184,870
7.50%	$425,786	$2,874	$481	$143,753	30,293,530	-924,969	-20,109,839
7.75%	$425,786	$2,941	$481	$146,649	29,360,880	-932,650	-21,042,489
8.00%	$425,786	$3,009	$481	$149,568	28,420,804	-940,076	-21,982,565

Table 2 Households Priced Out of the Market by a $1,000 Price Increase, 2023

State	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
United States	425,786	129,645	132,469,710	96,537,344	140,436
Alabama	322,953	94,014	2,040,123	1,423,521	2,681
Alaska	308,985	96,439	291,871	153,955	431
Arizona	492,558	140,214	2,973,128	2,402,986	2,304
Arkansas	240,411	71,794	1,204,048	710,298	2,167
California	601,917	173,080	13,705,842	10,457,556	7,243
Colorado	589,695	168,256	2,393,699	1,892,915	1,305
Connecticut	536,220	182,643	1,481,360	1,156,449	914
Delaware	470,721	134,632	416,075	288,787	391
District of Columbia	589,493	166,112	350,248	238,348	244
Florida	436,336	132,891	9,279,841	7,344,433	9,573
Georgia	383,391	115,618	4,155,220	2,981,340	4,260
Hawaii	925,231	252,090	516,181	472,851	261
Idaho	472,319	134,076	734,109	607,296	495
Illinois	387,157	133,323	5,120,520	3,626,384	6,158
Indiana	397,428	120,129	2,766,270	2,131,760	3,024
Iowa	398,201	130,910	1,313,849	1,061,560	1,111
Kansas	480,388	158,124	1,180,099	994,030	903
Kentucky	321,661	97,821	1,823,413	1,278,174	2,532
Louisiana	276,776	83,497	1,827,826	1,143,531	2,973
Maine	359,607	110,807	614,332	447,030	701
Maryland	415,455	125,572	2,491,997	1,490,359	2,842
Massachusetts	1,014,587	310,447	2,871,784	2,869,291	1,727
Michigan	375,352	119,817	4,135,406	3,080,557	4,521
Minnesota	440,104	136,303	2,341,036	1,703,640	2,272
Mississippi	271,597	83,919	1,159,778	818,099	1,651
Missouri	401,811	124,110	2,479,159	1,938,218	2,563
Montana	495,760	146,763	460,539	390,222	314
Nebraska	348,221	116,125	800,794	602,408	1,068
Nevada	497,365	140,129	1,241,203	954,118	1,129
New Hampshire	480,929	159,069	554,737	440,226	425
New Jersey	449,221	156,124	3,723,261	2,552,082	3,565
New Mexico	468,259	138,450	876,670	746,336	574
New York	762,735	246,870	7,864,210	7,030,080	3,850
North Carolina	408,684	121,187	4,317,306	3,287,850	4,230
North Dakota	420,455	130,016	321,506	238,218	341
Ohio	407,092	131,655	4,937,729	3,976,527	5,579
Oklahoma	463,362	145,961	1,602,649	1,344,578	1,478
Oregon	600,373	176,300	1,757,565	1,493,179	763
Pennsylvania	560,152	178,526	5,341,014	4,611,284	2,528
Rhode Island	718,404	228,588	475,840	442,221	241
South Carolina	404,514	118,055	2,126,805	1,597,965	1,908
South Dakota	372,224	116,922	360,002	272,637	437
Tennessee	346,540	101,407	2,891,092	2,023,759	4,004
Texas	439,581	147,125	11,673,258	9,145,956	9,159
Utah	522,301	147,701	1,185,031	914,731	1,000
Vermont	447,116	147,705	277,767	225,257	231
Virginia	401,764	117,877	3,477,182	2,208,502	3,924
Washington	635,131	186,757	3,114,782	2,527,592	1,737
West Virginia	208,300	61,247	716,276	400,187	1,516
Wisconsin	436,772	141,285	2,514,998	2,006,180	1,996
Wyoming	406,817	117,706	252,796	183,976	273

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Abilene, TX	255,297	84,621	72,298	36,962	177
Akron, OH	476,676	156,756	298,813	263,875	144
Albany, GA	234,253	74,854	61,892	48,105	150
Albany-Lebanon, OR	122,917	36,965	53,363	11,709	144
Albany-Schenectady-Troy, NY	378,852	128,524	394,699	276,520	512
Albuquerque, NM	460,702	138,801	400,228	335,705	310
Alexandria, LA	185,226	55,282	54,909	25,144	153
Allentown-Bethlehem-Easton, PA-NJ	539,102	179,196	352,961	297,547	171
Altoona, PA	347,060	108,607	47,232	37,529	48
Amarillo, TX	288,791	98,602	110,579	81,593	124
Ames, IA	446,598	145,765	49,157	43,392	25
Anchorage, AK	242,325	76,054	164,388	60,717	310
Ann Arbor, MI	637,659	205,521	156,978	131,216	75
Anniston-Oxford, AL	206,505	61,314	44,626	25,483	96
Appleton, WI	475,825	154,004	101,501	84,290	101
Asheville, NC	671,790	192,926	177,728	162,283	54
Athens-Clarke County, GA	565,354	171,108	92,128	86,526	47
Atlanta-Sandy Springs-Alpharetta, GA	442,012	133,070	2,369,222	1,683,117	2,626
Atlantic City-Hammonton, NJ	309,100	112,305	123,668	94,070	183
Auburn-Opelika, AL	370,287	107,287	70,399	45,325	95
Augusta-Richmond County, GA-SC	370,027	110,593	233,063	167,022	265
Austin-Round Rock-Georgetown, TX	447,001	146,130	1,115,314	817,808	1,166
Bakersfield, CA	444,360	134,608	293,410	232,964	274
Baltimore-Columbia-Towson, MD	535,157	162,569	1,174,925	845,730	967
Bangor, ME	276,351	87,614	66,814	43,233	91
Barnstable Town, MA	628,335	185,215	113,658	90,524	69
Baton Rouge, LA	273,480	82,239	353,980	174,670	474
Battle Creek, MI	303,039	98,785	53,139	38,533	68
Bay City, MI	367,617	138,969	46,095	40,676	25
Beaumont-Port Arthur, TX	175,869	59,685	155,127	71,852	382
Beckley, WV	312,125	92,652	43,611	31,475	61
Bellingham, WA	824,054	239,095	95,776	88,347	35
Bend, OR	782,373	223,594	91,682	81,780	42
Billings, MT	220,157	65,761	77,629	35,847	173
Binghamton, NY	226,801	83,773	112,117	72,660	213
Birmingham-Hoover, AL	427,339	124,239	444,712	339,700	410
Bismarck, ND	608,205	186,770	53,451	47,557	33
Blacksburg-Christiansburg, VA	269,333	78,995	72,167	46,892	91
Bloomington, IL	342,140	120,926	73,672	50,783	91
Bloomington, IN	279,328	83,582	68,607	43,347	112
Bloomsburg-Berwick, PA	353,865	111,661	33,256	24,227	43
Boise City, ID	342,213	96,948	315,585	202,457	526
Boston, MA Metro Division	879,346	265,956	825,038	729,240	497
Cambridge-Newton-Framingham, MA Metro Division	879,346	266,336	976,505	845,763	633
Rockingham County-Strafford County, NH Metro Division	879,346	286,604	185,254	200,357	164
Boulder, CO	725,593	204,563	139,467	119,853	99
Bowling Green, KY	297,007	89,298	78,015	56,431	140
Bremerton-Silverdale-Port Orchard, WA	904,759	264,726	105,285	104,415	62
Bridgeport-Stamford-Norwalk, CT	834,475	273,812	374,805	314,489	216
Brownsville-Harlingen, TX	337,171	118,994	142,480	125,671	98
Brunswick, GA	202,239	61,031	45,816	17,903	87
Buffalo-Cheektowaga, NY	579,922	201,294	519,193	473,873	244
Burlington, NC	249,121	73,237	74,763	37,917	146
Burlington-South Burlington, VT	442,437	143,672	96,852	70,679	68

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
California-Lexington Park, MD	380,766	114,607	43,913	29,147	74
Canton-Massillon, OH	379,697	121,525	170,987	137,580	191
Cape Coral-Fort Myers, FL	372,260	113,529	357,975	247,015	527
Cape Girardeau, MO-IL	262,102	79,894	37,769	23,231	91
Carbondale-Marion, IL	235,165	81,889	54,093	34,878	106
Carson City, NV	511,339	140,433	25,223	22,625	10
Casper, WY	339,298	98,872	33,363	23,676	56
Cedar Rapids, IA	256,291	85,087	112,563	64,591	204
Chambersburg-Waynesboro, PA	351,313	109,187	63,957	45,348	71
Champaign-Urbana, IL	414,300	144,134	93,450	77,942	80
Charleston, WV	202,261	60,648	103,258	55,006	216
Charleston-North Charleston, SC	499,699	145,375	329,286	250,659	239
Charlotte-Concord-Gastonia, NC-SC	469,445	138,191	1,119,126	847,316	845
Charlottesville, VA	536,117	156,785	89,417	70,010	50
Chattanooga, TN-GA	404,903	120,780	234,912	200,952	185
Cheyenne, WY	493,263	144,324	45,812	33,470	47
Chicago-Naperville-Evanston, IL Metro Division	503,364	172,518	2,918,910	2,275,906	2,467
Elgin, IL Metro Division	503,364	179,163	270,235	205,312	292
Gary, IN Metro Division	503,364	150,652	284,035	239,486	220
Lake County-Kenosha County, IL-WI Metro Division	503,364	179,180	333,628	250,904	209
Chico, CA	492,200	144,085	85,231	68,806	60
Cincinnati, OH-KY-IN	379,102	119,938	928,534	632,608	1,034
Clarksville, TN-KY	345,997	103,917	128,083	91,925	218
Cleveland, TN	316,118	92,291	53,768	39,034	81
Cleveland-Elyria, OH	417,609	139,995	907,934	748,509	710
Coeur d'Alene, ID	448,605	125,871	70,354	57,872	48
College Station-Bryan, TX	272,523	90,828	105,536	65,568	141
Colorado Springs, CO	683,121	195,351	315,164	276,966	164
Columbia, MO	310,376	95,148	90,055	67,227	99
Columbia, SC	262,421	77,707	351,465	186,359	590
Columbus, GA-AL	281,399	86,562	135,238	92,826	184
Columbus, IN	362,248	109,140	34,803	20,339	51
Columbus, OH	427,798	137,345	897,172	668,215	1,086
Corpus Christi, TX	256,892	90,204	153,172	82,641	267
Corvallis, OR	594,845	178,518	41,426	30,151	28
Crestview-Fort Walton Beach-Destin, FL	344,295	101,624	136,758	88,124	188
Cumberland, MD-WV	396,577	120,150	44,094	40,107	19
Dallas-Plano-Irving, TX Metro Division	483,393	163,741	2,070,202	1,639,096	1,212
Fort Worth-Arlington-Grapevine, TX Metro Division	483,393	162,837	984,037	798,973	839
Dalton, GA	129,616	38,902	50,895	17,205	162
Danville, IL	242,648	85,500	27,008	20,541	44
Daphne-Fairhope-Foley, AL	380,873	109,394	107,571	78,134	92
Davenport-Moline-Rock Island, IA-IL	242,112	82,485	162,967	87,594	281
Dayton-Kettering, OH	482,248	161,294	344,869	302,821	155
Decatur, AL	177,889	51,902	62,314	33,666	127
Decatur, IL	278,477	98,458	45,119	29,618	75
Deltona-Daytona Beach-Ormond Beach, FL	311,333	93,792	322,037	222,462	495
Denver-Aurora-Lakewood, CO	673,917	193,001	1,233,142	985,772	737
Des Moines-West Des Moines, IA	420,170	140,089	302,677	231,559	255
Detroit-Dearborn-Livonia, MI Metro Division	419,258	138,760	700,854	583,439	672
Warren-Troy-Farmington Hills, MI Metro Division	419,258	133,165	1,098,798	761,182	1,276
Dothan, AL	250,513	72,998	65,888	38,244	117
Dover, DE	350,994	99,645	72,379	51,244	134
Dubuque, IA	296,979	95,477	42,738	29,316	67

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Duluth, MN-WI	428,083	134,246	125,079	100,673	142
Durham-Chapel Hill, NC	502,265	150,532	273,019	224,742	153
East Stroudsburg, PA	294,320	100,971	77,189	52,013	127
Eau Claire, WI	436,268	139,011	73,122	57,133	74
El Centro, CA	327,139	98,244	47,518	32,646	51
Elizabethtown-Fort Knox, KY	301,338	91,109	57,832	36,235	103
Elkhart-Goshen, IN	198,836	60,301	69,480	24,022	163
Elmira, NY	210,745	77,600	37,434	22,846	79
El Paso, TX	435,323	155,397	331,339	295,614	217
Enid, OK	334,726	106,376	22,368	14,236	30
Erie, PA	227,120	76,483	110,996	67,852	253
Eugene-Springfield, OR	622,241	183,871	164,748	148,221	47
Evansville, IN-KY	466,893	142,146	135,981	113,713	128
Fairbanks, AK	435,313	138,980	37,317	25,973	30
Fargo, ND-MN	441,959	140,492	116,231	87,950	103
Farmington, NM	223,292	66,193	39,196	24,299	74
Fayetteville, NC	338,872	105,034	202,276	162,879	208
Fayetteville-Springdale-Rogers, AR	249,875	73,783	217,252	107,690	470
Flagstaff, AZ	611,395	172,024	62,070	58,028	40
Flint, MI	220,634	72,301	166,554	100,240	333
Florence, SC	199,474	58,443	77,988	44,206	147
Florence-Muscle Shoals, AL	162,378	47,793	62,154	28,105	172
Fond du Lac, WI	548,767	178,779	42,913	37,354	27
Fort Collins, CO	435,313	124,096	157,813	104,239	171
Fort Smith, AR-OK	118,451	35,749	96,082	30,458	257
Fort Wayne, IN	373,818	113,457	177,641	134,869	197
Fresno, CA	595,510	174,945	329,459	286,587	152
Gadsden, AL	145,034	42,679	36,064	15,203	117
Gainesville, FL	272,523	84,211	143,688	88,276	240
Gainesville, GA	433,506	129,602	79,994	58,457	50
Gettysburg, PA	427,445	136,714	41,312	33,015	40
Glens Falls, NY	347,379	117,117	55,493	41,213	62
Goldsboro, NC	305,933	93,744	45,432	37,435	50
Grand Forks, ND-MN	284,219	89,001	41,767	23,342	60
Grand Island, NE	355,757	116,334	30,427	25,944	22
Grand Junction, CO	333,698	93,098	63,948	41,304	81
Grand Rapids-Kentwood, MI	405,948	125,711	424,533	324,476	549
Grants Pass, OR	662,752	187,995	38,372	35,660	11
Great Falls, MT	422,119	130,194	35,857	32,181	26
Greeley, CO	610,226	175,483	128,311	105,653	70
Green Bay, WI	301,551	96,246	139,370	88,284	226
Greensboro-High Point, NC	230,416	69,193	312,576	192,231	710
Greenville, NC	224,036	69,312	80,535	49,906	151
Greenville-Anderson, SC	282,624	81,724	398,342	224,612	746
Gulfport-Biloxi, MS	337,915	105,884	166,185	130,042	202
Hagerstown-Martinsburg, MD-WV	285,920	84,762	125,755	81,577	238
Hammond, LA	342,902	100,924	53,551	43,011	43
Hanford-Corcoran, CA	371,728	109,584	41,583	30,710	66
Harrisburg-Carlisle, PA	541,384	170,464	252,478	218,268	139
Harrisonburg, VA	333,237	95,858	54,101	39,596	69
Hartford-East Hartford-Middletown, CT	658,544	228,693	499,747	438,390	328
Hattiesburg, MS	189,479	58,971	75,148	46,672	176
Hickory-Lenoir-Morganton, NC	518,569	152,865	146,877	128,706	72
Hilton Head Island-Bluffton, SC	584,145	171,536	95,682	81,195	39

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Hinesville, GA	202,877	62,886	28,623	13,941	67
Homosassa Springs, FL	224,036	67,409	72,317	40,979	118
Hot Springs, AR	214,254	63,509	42,414	28,093	83
Houma-Thibodaux, LA	122,811	37,215	87,630	31,343	246
Houston-The Woodlands-Sugar Land, TX	426,298	145,492	2,777,533	2,051,616	3,054
Huntington-Ashland, WV-KY-OH	269,893	81,460	152,512	104,256	195
Huntsville, AL	330,366	95,427	224,047	142,495	284
Idaho Falls, ID	414,366	118,495	57,744	41,213	57
Indianapolis-Carmel-Anderson, IN	437,327	132,495	877,392	654,687	907
Iowa City, IA	412,427	134,655	69,409	57,783	41
Ithaca, NY	315,055	108,548	49,043	35,635	49
Jackson, MI	313,181	100,464	62,476	39,158	82
Jackson, MS	194,796	59,923	237,531	113,172	466
Jackson, TN	292,651	89,062	72,562	54,945	113
Jacksonville, FL	381,298	114,946	711,658	500,843	813
Jacksonville, NC	303,310	92,936	84,062	69,039	95
Janesville-Beloit, WI	405,435	134,617	70,536	59,710	75
Jefferson City, MO	312,928	95,610	52,154	34,225	66
Johnson City, TN	294,334	86,539	84,570	55,067	124
Johnstown, PA	325,794	104,325	54,102	42,644	89
Jonesboro, AR	216,912	65,126	51,022	27,710	100
Joplin, MO	181,186	55,553	72,216	37,414	206
Kahului-Wailuku-Lahaina, HI	753,664	203,251	57,939	47,270	27
Kalamazoo-Portage, MI	429,146	138,706	108,146	87,848	80
Kankakee, IL	340,042	123,438	42,509	26,808	50
Kansas City, MO-KS	474,549	150,457	924,762	729,864	780
Kennewick-Richland, WA	774,079	228,665	110,005	107,264	62
Killeen-Temple, TX	298,361	100,277	193,838	129,941	286
Kingsport-Bristol, TN-VA	241,156	70,947	125,748	77,446	227
Kingston, NY	368,964	125,312	81,195	59,533	77
Knoxville, TN	417,556	120,932	375,906	290,190	418
Kokomo, IN	370,240	112,921	39,075	31,898	63
La Crosse-Onalaska, WI-MN	193,945	63,611	59,524	25,857	139
Lafayette, LA	238,816	72,120	191,072	105,232	313
Lafayette-West Lafayette, IN	450,306	134,704	88,058	77,602	47
Lake Charles, LA	338,703	102,188	66,562	46,938	98
Lake Havasu City-Kingman, AZ	245,940	70,210	115,103	69,789	188
Lakeland-Winter Haven, FL	284,963	87,169	320,309	220,162	487
Lancaster, PA	368,326	117,359	215,565	151,734	282
Lansing-East Lansing, MI	365,443	121,089	224,362	174,415	271
Laredo, TX	218,082	75,557	81,210	41,056	184
Las Cruces, NM	242,963	72,125	91,392	57,778	120
Las Vegas-Henderson-Paradise, NV	494,150	139,520	897,005	686,547	728
Lawrence, KS	469,642	151,070	51,042	39,855	35
Lawton, OK	326,630	104,907	49,881	39,489	67
Lebanon, PA	406,102	130,556	55,971	45,900	46
Lewiston, ID-WA	444,855	131,830	27,123	18,963	34
Lewiston-Auburn, ME	316,969	100,671	46,725	31,920	75
Lexington-Fayette, KY	364,604	110,033	225,769	161,116	221
Lima, OH	226,907	71,586	41,590	21,256	79
Lincoln, NE	580,028	193,688	141,486	130,955	70
Little Rock-North Little Rock-Conway, AR	304,103	91,942	329,675	210,539	427
Logan, UT-ID	413,835	119,325	51,535	39,593	67
Longview, TX	282,837	91,982	109,437	74,197	153

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Longview, WA	586,207	173,358	43,622	41,116	19
Anaheim-Santa Ana-Irvine, CA Metro Division	617,207	176,296	1,111,143	791,248	716
Los Angeles-Long Beach-Glendale, CA Metro Division	617,207	177,022	3,423,445	2,753,888	1,685
Louisville/Jefferson County, KY-IN	369,602	111,879	552,143	388,061	776
Lubbock, TX	443,286	154,074	136,778	115,961	69
Lynchburg, VA	556,529	160,146	104,919	90,627	57
Macon-Bibb County, GA	224,462	70,689	85,656	51,762	190
Madera, CA	370,133	108,790	43,712	30,344	38
Madison, WI	382,042	124,776	307,517	201,627	338
Manchester-Nashua, NH	464,341	153,642	173,383	124,126	206
Manhattan, KS	443,948	145,798	55,944	48,714	41
Mankato, MN	298,574	93,485	41,660	23,986	63
Mansfield, OH	232,224	74,574	49,262	30,749	105
McAllen-Edinburg-Mission, TX	142,056	49,480	291,443	148,625	719
Medford, OR	585,524	170,656	93,938	84,032	29
Memphis, TN-MS-AR	409,697	125,649	536,031	407,804	454
Merced, CA	401,394	115,981	89,521	59,928	77
Fort Lauderdale-Pompano Beach-Sunrise, FL Metro Division	668,465	208,612	792,487	713,326	294
Miami-Miami Beach-Kendall, FL Metro Division	668,465	205,280	1,016,962	928,369	366
West Palm Beach-Boca Raton-Boynton Beach, FL Metro Division	668,465	207,324	623,216	546,759	268
Michigan City-La Porte, IN	264,548	81,049	43,793	24,384	89
Midland, MI	357,905	118,894	36,591	24,161	48
Midland, TX	254,553	82,025	75,700	25,804	100
Milwaukee-Waukesha, WI	569,537	183,484	663,561	566,196	285
Minneapolis-St. Paul-Bloomington, MN-WI	520,802	161,417	1,513,133	1,114,015	1,414
Missoula, MT	508,149	152,782	53,085	47,139	28
Mobile, AL	302,543	91,458	177,111	127,026	213
Modesto, CA	512,934	149,243	173,721	149,272	88
Monroe, LA	204,047	60,629	83,602	50,073	173
Monroe, MI	342,732	108,190	62,281	44,027	97
Montgomery, AL	340,361	98,405	156,969	101,673	182
Morgantown, WV	346,366	100,332	59,068	35,955	89
Morristown, TN	204,791	59,523	52,044	24,324	98
Mount Vernon-Anacortes, WA	297,829	87,770	55,074	32,188	93
Muncie, IN	170,234	52,505	46,316	19,759	109
Muskegon, MI	305,982	97,140	69,303	47,473	108
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	356,523	103,795	223,427	153,204	301
Napa, CA	261,039	75,276	51,924	18,283	69
Naples-Marco Island, FL	704,221	208,226	191,191	155,198	67
Nashville-Davidson--Murfreesboro--Franklin, TN	489,541	141,541	859,961	644,144	883
New Bern, NC	204,897	62,285	49,730	24,023	92
New Haven-Milford, CT	567,492	197,940	370,398	326,769	242
New Orleans-Metairie, LA	316,437	96,836	531,781	337,357	592
Nassau County-Suffolk County, NY Metro Division	809,594	266,528	993,767	863,942	831
Newark, NJ-PA Metro Division	809,594	279,915	909,680	847,887	586
New Brunswick-Lakewood, NJ Metro Division	809,594	272,206	988,282	901,032	702
New York-Jersey City-White Plains, NY-NJ Metro Division	809,594	250,888	4,711,379	4,011,912	2,065
Niles, MI	316,862	98,302	69,972	52,321	76
North Port-Sarasota-Bradenton, FL	493,157	148,630	406,168	328,555	301
Norwich-New London, CT	395,652	132,132	112,161	78,397	158
Ocala, FL	334,913	101,579	170,018	131,136	251
Ocean City, NJ	344,402	109,289	58,314	34,594	107
Odessa, TX	182,887	59,796	77,465	16,631	115
Ogden-Clearfield, UT	541,537	153,858	242,607	192,424	241

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Oklahoma City, OK	339,191	109,103	609,969	402,676	832
Olympia-Lacey-Tumwater, WA	581,517	172,904	121,625	93,093	93
Omaha-Council Bluffs, NE-IA	416,387	141,014	404,864	330,775	435
Orlando-Kissimmee-Sanford, FL	433,556	131,009	1,102,569	852,494	1,101
Oshkosh-Neenah, WI	417,781	138,900	74,384	64,105	56
Owensboro, KY	208,831	64,770	48,729	27,994	97
Oxnard-Thousand Oaks-Ventura, CA	661,961	190,462	290,234	227,188	184
Palm Bay-Melbourne-Titusville, FL	383,212	116,648	281,146	205,230	324
Panama City, FL	322,923	96,279	91,413	57,737	91
Parkersburg-Vienna, WV	310,651	91,757	38,380	29,919	58
Pensacola-Ferry Pass-Brent, FL	381,298	114,390	211,357	151,500	216
Peoria, IL	176,401	62,690	180,496	78,324	439
Camden, NJ Metro Division	486,139	178,706	515,820	402,006	394
Montgomery County-Bucks County-Chester County, PA Metro Di	486,139	155,042	821,119	542,688	864
Philadelphia, PA Metro Division	486,139	148,737	932,434	779,230	673
Wilmington, DE-MD-NJ Metro Division	486,139	145,691	299,460	214,596	315
Phoenix-Mesa-Chandler, AZ	491,895	139,216	1,966,703	1,543,518	1,691
Pine Bluff, AR	245,783	74,419	26,408	20,072	45
Pittsburgh, PA	438,716	140,911	1,022,967	805,029	821
Pittsfield, MA	733,568	233,752	62,031	57,216	27
Pocatello, ID	427,764	125,058	38,440	34,136	38
Portland-South Portland, ME	506,129	153,884	247,934	193,426	210
Portland-Vancouver-Hillsboro, OR-WA	650,950	192,207	1,040,866	866,291	571
Port St. Lucie, FL	400,317	124,798	221,987	161,696	294
Poughkeepsie-Newburgh-Middletown, NY	527,714	181,596	270,308	206,003	178
Prescott Valley-Prescott, AZ	628,302	177,225	122,206	107,794	71
Providence-Warwick, RI-MA	702,307	221,051	723,071	661,032	379
Provo-Orem, UT	601,507	168,313	214,277	175,055	117
Pueblo, CO	434,888	126,923	72,178	64,479	61
Punta Gorda, FL	318,457	98,912	103,394	68,708	158
Racine, WI	510,934	169,771	79,231	67,760	66
Raleigh-Cary, NC	441,799	130,530	579,404	373,717	635
Rapid City, SD	393,207	122,868	58,629	40,404	74
Reading, PA	204,791	68,116	174,526	75,502	380
Redding, CA	511,977	150,203	70,318	54,270	54
Reno, NV	495,397	138,441	207,306	155,891	175
Richmond, VA	397,354	116,985	551,974	370,592	623
Riverside-San Bernardino-Ontario, CA	617,456	181,176	1,506,275	1,289,136	716
Roanoke, VA	229,566	68,112	136,131	68,713	212
Rochester, MN	629,152	197,129	89,649	76,023	41
Rochester, NY	378,640	138,893	471,433	374,093	419
Rockford, IL	255,297	92,434	134,480	83,941	221
Rocky Mount, NC	327,601	101,044	55,198	47,939	42
Rome, GA	262,422	80,916	35,391	24,253	50
Sacramento-Roseville-Folsom, CA	668,601	195,104	905,768	772,716	508
Saginaw, MI	316,940	105,371	81,257	59,375	119
St. Cloud, MN	296,979	92,459	81,799	50,951	126
St. George, UT	471,465	131,301	73,423	59,330	102
St. Joseph, MO-KS	345,890	105,941	46,639	37,415	44
St. Louis, MO-IL	416,387	133,660	1,142,641	828,376	1,245
Salem, OR	589,161	174,636	164,228	137,504	115
Salinas, CA	306,123	87,349	138,416	71,265	230
Salisbury, MD-DE	259,533	74,141	187,790	89,311	314
Salt Lake City, UT	521,334	148,117	485,134	355,961	393

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
San Angelo, TX	401,809	132,867	48,636	34,182	63
San Antonio-New Braunfels, TX	315,480	105,818	1,083,181	712,019	1,675
San Diego-Chula Vista-Carlsbad, CA	862,014	248,229	1,194,177	1,105,801	723
Oakland-Berkeley-Livermore, CA Metro Division	888,915	256,138	1,016,294	807,436	616
San Francisco-San Mateo-Redwood City, CA Metro Division	888,915	251,823	599,410	432,265	329
San Rafael, CA Metro Division	888,915	256,088	101,493	81,030	63
San Jose-Sunnyvale-Santa Clara, CA	1,186,851	338,381	679,056	627,466	439
San Luis Obispo-Paso Robles, CA	734,206	210,343	108,641	89,759	49
Santa Cruz-Watsonville, CA	674,661	192,214	96,997	74,040	53
Santa Fe, NM	357,161	100,991	79,144	56,291	71
Santa Maria-Santa Barbara, CA	384,593	110,008	154,748	89,777	147
Santa Rosa-Petaluma, CA	827,989	238,345	190,483	179,361	135
Savannah, GA	412,842	127,785	181,047	141,160	174
Scranton--Wilkes-Barre, PA	326,645	107,629	236,782	189,958	316
Seattle-Bellevue-Kent, WA Metro Division	805,128	235,795	1,267,391	1,055,105	856
Tacoma-Lakewood, WA Metro Division	805,128	238,470	362,267	352,084	245
Sebastian-Vero Beach, FL	367,156	111,072	76,605	50,814	84
Sebring-Avon Park, FL	369,512	113,078	49,164	41,071	52
Sheboygan, WI	457,729	148,549	50,152	44,372	23
Sherman-Denison, TX	397,446	131,158	63,980	48,996	63
Shreveport-Bossier City, LA	249,024	74,483	157,899	98,275	251
Sierra Vista-Douglas, AZ	242,027	71,773	48,001	32,639	94
Sioux City, IA-NE-SD	432,445	142,881	58,781	45,177	66
Sioux Falls, SD	326,858	102,891	122,954	83,323	188
South Bend-Mishawaka, IN-MI	460,269	141,269	131,264	114,592	106
Spartanburg, SC	274,862	80,643	136,043	82,521	292
Spokane-Spokane Valley, WA	682,211	201,963	244,390	226,736	92
Springfield, IL	298,893	104,608	90,296	56,426	146
Springfield, MA	398,204	129,058	280,765	202,315	300
Springfield, MO	449,774	136,841	192,539	175,335	71
Springfield, OH	375,228	122,182	59,745	53,339	46
State College, PA	451,369	138,353	56,108	46,786	31
Staunton, VA	389,166	112,235	52,471	40,235	66
Stockton, CA	708,261	208,164	253,855	243,893	168
Sumter, SC	258,079	77,058	52,936	35,787	69
Syracuse, NY	231,799	84,382	285,678	154,691	634
Tallahassee, FL	249,981	76,015	159,264	98,604	236
Tampa-St. Petersburg-Clearwater, FL	420,528	128,186	1,396,105	1,093,219	1,526
Terre Haute, IN	266,955	81,981	73,149	53,785	133
Texarkana, TX-AR	307,109	99,574	55,330	39,378	71
The Villages, FL	433,355	130,343	79,591	66,164	89
Toledo, OH	509,000	168,484	278,337	254,315	95
Topeka, KS	252,001	84,932	96,426	59,709	167
Trenton-Princeton, NJ	424,999	152,685	158,404	113,922	173
Tucson, AZ	387,678	114,321	457,152	333,814	427
Tulsa, OK	443,912	140,038	419,542	333,792	415
Tuscaloosa, AL	158,537	45,740	114,112	47,644	278
Twin Falls, ID	356,310	103,118	46,425	32,806	66
Tyler, TX	193,626	63,104	83,834	35,919	184
Urban Honolulu, HI	783,391	213,520	361,209	306,195	206
Utica-Rome, NY	237,540	83,273	121,181	69,536	258
Valdosta, GA	303,305	95,372	56,146	42,856	62
Vallejo, CA	624,799	182,159	165,188	130,725	88
Victoria, TX	229,459	77,873	51,612	24,312	120

Table 3 Households Priced Out of the Market by a $1,000 Price Increase, 2023

Metro Area	Median New Home Price	Income Needed to Qualify	Total Households	Households Unable to Afford the Median Price	Additional Households Priced Out by a $1,000 increase
Vineland-Bridgeton, NJ	266,143	97,402	56,530	36,678	75
Virginia Beach-Norfolk-Newport News, VA-NC	402,399	121,445	770,233	536,571	961
Visalia, CA	522,078	153,749	142,975	119,191	77
Waco, TX	227,108	76,422	105,435	67,078	167
Walla Walla, WA	569,347	170,815	23,724	20,861	11
Warner Robins, GA	329,761	101,468	71,917	47,915	126
Frederick-Gaithersburg-Rockville, MD Metro Division	623,198	184,721	523,367	351,963	359
Washington-Arlington-Alexandria, DC-VA-MD-WV Metro Divis	623,198	185,489	2,003,568	1,408,013	1,445
Waterloo-Cedar Falls, IA	597,679	199,364	69,848	64,525	16
Watertown-Fort Drum, NY	295,171	97,290	57,376	41,736	95
Wausau-Weston, WI	364,332	119,763	72,536	57,299	114
Weirton-Steubenville, WV-OH	339,298	104,489	48,242	37,875	64
Wenatchee, WA	582,155	170,609	50,853	41,321	36
Wheeling, WV-OH	191,712	58,146	58,910	31,149	114
Wichita, KS	327,835	109,201	253,500	167,814	339
Wichita Falls, TX	654,140	224,417	57,020	54,370	20
Williamsport, PA	432,655	140,383	49,308	40,716	40
Wilmington, NC	330,685	98,513	132,692	87,893	187
Winchester, VA-WV	428,423	123,365	56,002	36,880	70
Winston-Salem, NC	445,035	132,797	277,602	231,416	258
Worcester, MA-CT	410,858	129,604	395,844	262,740	496
Yakima, WA	553,066	165,036	90,099	81,828	56
York-Hanover, PA	276,032	91,062	182,423	98,193	315
Youngstown-Warren-Boardman, OH-PA	265,824	86,920	230,429	170,395	358
Yuba City, CA	537,184	158,704	63,378	52,401	32
Yuma, AZ	185,545	54,517	75,932	42,607	214

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
PUBLIC SERVICE COMMISSION

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April 1, 2026

Mr. Cedric Flowers
Vice President, Gas Operations
DTE Gas Company
One Energy Plaza
Detroit, MI 48226

Subject: Incident 00012944 Recommendations (Southgate Explosion)

Dear Mr. Flowers:

At 6:09 a.m. on April 3, 2025, DTE Gas Company (DTE) received notification of an explosion at a structure at 13581 Edison Street in Southgate. Two residents were inside the structure when the explosion occurred. Both sustained injuries and were transported to the hospital. One of the residents later died from their injuries, while the other was treated and released.

Attached to this letter is Michigan Public Service Commission Staff's (Staff) incident investigation report. In addition to the report, please note the following conclusions, contributing factors, and recommendations.

Conclusions

Michigan Public Service Commission Staff (Staff) determined that the apparent cause of the incident was an open customer-owned fuel line within the structure. No gas reads were detected at the meter or neighboring structures after the explosion.

Contributing Factors

Staff identified the following contributing factors that led to the incident:

Contributing Factor 1: The homeowner did not immediately evacuate the structure when they smelled gas.

Contributing Factor 2: The homeowner did not immediately call DTE or 911 when they smelled gas.

Recommendations

1. Public Awareness Program[1]

The homeowner recognized a natural gas odor within their residence but did not report it to DTE. The investigation determined that gas was leaking inside the residence for approximately five hours. A delay in reporting a gas odor can increase the potential consequences including additional risks to life and property.

While DTE maintains a Public Awareness Program intended to comply with the gas safety regulations, the presence of a detectable gas odor that was not reported indicates that customers may not fully understand the hazards associated with an unintended gas release or the urgency of immediately reporting suspected leaks. The circumstances leading up to this incident underscores the importance of ensuring that DTE's public awareness messaging effectively communicates odor recognition, immediate safety measures, action to prevent ignition, and prompt reporting.

Staff makes the following recommendations regarding DTE's Public Awareness Program: evaluate, enhance, and improve metrics for monitoring the program effectiveness to ensure the message content, frequency of messaging, and media used are as comprehensive as necessary to effectively reach all stakeholders in the areas in which DTE transports gas. Staff further recommends that DTE document its evaluation and any program enhancements to demonstrate continued compliance with the public awareness regulations and the effectiveness of all enhancements.

2. Monitoring Gas Usage

The gas meter data indicated an elevated gas usage for approximately five hours. The investigation determined that the leak originated from customer-owned piping and/or equipment.

Staff recommends DTE establish policies regarding monitoring and responding to gas meter usage data in situations where there is 1) no customer of record, 2) no current turn-on order, or 3) abnormally high gas volumes.

3. Natural Gas Detectors

The gas meter data provided by DTE for 13581 Edison Street indicated a significant increase in gas usage that started in the hour proceeding 1:00 a.m. on April 3, 2025, approximately five hours before the explosion occurred. If a natural gas detector was

[1] 49 CFR 192.616 incorporated by reference in the Michigan Gas Safety Standards requires DTE to implement a Public Awareness Program.

installed in residence, the homeowner would have had an earlier and recognizable urgency to the ongoing leak occurring inside the residence.

Staff recommends that DTE educate customers about the safety benefit of natural gas detectors, encouraging customers to install detectors inside their homes and businesses. Additionally, Staff recommends that DTE provide customers the ability to purchase detectors in the Company's "Market Place."

Summary

If you require clarification regarding this notice, please contact Mr. Nolan Johns at 517-285-4949 or gauthierb2@michigan.gov.

Sincerely,



Digitally signed by David J. Chislea
Date: 2026.04.01 10:29:04 -04'00'

David J. Chislea, Director
Gas Safety & Operations Division

Delivery Method: Electronic Mail

cc: Gas Safety Engineers, MPSC
Michael Romein, DTE
Michael Nee, DTE

Enclosure: Staff Investigation Report (Southgate Explosion)

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-3.107a

Respondent: K. M. Fedele

Page: 1 of 1

Question: Refer to page 37 of Ms. Fedele's direct testimony on the East Petoskey Pipeline project. Please:

a. Confirm that ILI on the pipeline could be done in the summer months when any problems with an inspection tool getting stuck would be less severe.

Answer: ILI can be performed during the summer months when loss of heat is not an issue, but the potential for customer outages still exists during the summer that would require relighting up to 19,000 customers. These outages, regardless of when they occur, would be expensive, would take resources away from other critical work, and would be unacceptable to our customers who rely on our service

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-2.1k

Respondent: K. M. Fedele

Page: 1 of 1

Question: For the following requests, please refer to the Carlton Main Replacement project summary in Exhibit A-12, Schedule B5.5, pages 13-14, and the Direct Testimony of K. M. Fedele, p. 58-62.

k. Has the Company considered portable CNG or LNG as a redundant supply during cold weather for the Carlton Main as an alternative to the project? If yes, please explain why this option was not pursued.

Answer: DTE Gas has considered the use of portable CNG or LNG as a redundant supply during cold weather for the Carlton Main. This option was determined to be infeasible and not cost effective due to the high costs identified during evaluation of other single source pipelines. These costs include the construction of unloading, temporary storage, vaporization, and pressure regulation facilities for the use of portable CNG or LNG. Additionally, as stated on pages 59-60 of my direct testimony, this would not address the safety and reliability concerns around the old, thin-walled, poor condition, main in close proximity to residential homes.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-3.8d

Respondent: K. M. Fedele

Page: 1 of 1

Question: Please provide information regarding actions the Company takes to help minimize the impacts on customer service in the rare event there is damage to the existing 8" Petoskey Pipeline.

d. Has the Company considered installing CNG and/or LNG injection points along the pipeline as a supplemental supply while the pipeline is repaired?

Answer: Yes, but this type of installation is impractical as it would be impossible to know where the potential damage may occur that could cause customer outages. Please refer to page 39 of my direct testimony where I have addressed why ILI with LNG backup is not a viable alternative.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-3.11b

Respondent: K. M. Fedele

Page: 1 of 1

Question: Please refer to the Direct Testimony of K. M. Fedele, p. 39, lines 12-13 stating that LNG is costly, complex, and impractical if an ILI tool were to become stuck.

b. Please describe the complexity of creating an injection point or injection points into the pipeline and siting and connecting LNG to the pipeline, and injecting into the pipeline.

Answer: This type of installation is impractical as it would be impossible to know where the potential damage may occur that could cause customer outages. In addition, this would be very cost prohibitive since this equipment would need to be automated and maintained at all times.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-3.11c

Respondent: K. M. Fedele

Page: 1 of 1

Question: Please refer to the Direct Testimony of K. M. Fedele, p. 39, lines 12-13 stating that LNG is costly, complex, and impractical if an ILI tool were to become stuck.

c. Please provide specifics of why LNG is impractical to mitigate risks during the ILI operation.

Answer: Please refer to my direct testimony on page 39.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-3.11d

Respondent: K. M. Fedele

Page: 1 of 1

Question: Please refer to the Direct Testimony of K. M. Fedele, p. 39, lines 12-13 stating that LNG is costly, complex, and impractical if an ILI tool were to become stuck.

d. Please provide the probabilistic risk analysis the Company performed where all of the following events must occur to result in a large customer outage: 1) the ILI tool becomes stuck even after the pipeline was modified to avoid an ILI tool becoming stuck, 2) the ILI tool completely stops the flow of gas or severely reduces the flow of gas when it becomes stuck, 3) operational strategies to dislodge the ILI tool are unsuccessful, and 4) the LNG backup has a failure.

Answer: This analysis has not been performed. The ILI tool can become stuck even if modifications to the pipeline are made for several other reasons that are difficult to predict such as large amounts of potential debris in the line after the years of operation.

If a tool does get stuck it very likely will severely restrict flow in the line or stop it completely and if debris is the cause of it being stuck, no operational strategy will make it dislodge and move again.

LNG backup is not a practical solution given the large number of customers and for the reasons explained on page 39 of my direct testimony.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-3.11e

Respondent: K. M. Fedele

Page: 1 of 1

Question: Please refer to the Direct Testimony of K. M. Fedele, p. 39, lines 12-13 stating that LNG is costly, complex, and impractical if an ILI tool were to become stuck.

e. If the Company is concerned about LNG failing has it considered utilizing a redundant, second LNG unit or multiple CNG units as backups?

Answer: No. Since a single LNG unit is not practical given the potential outage size, as discussed on page 39 of my testimony, an additional LNG unit would further complicate the situation.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-5.2a

Respondent: K. M. Fedele

Page: 1 of 1

Question: For the following request regarding the proposed Carlton Main Replacement project please refer to AADG-2.1k regarding the option of an alternative to use portable CNG or LNG. The Company stated that "This option was determined to be infeasible and not cost effective due to the high costs identified during evaluation of other single source pipelines." Please respond to the following requests:

a. Please provide all reasons that portable CNG or LNG is infeasible to provide sufficient supplemental supply to the Carlton Main or systems supplied by the Carlton Main.

Answer: The costs for equipment and storage as stated in the answer to AADG-2.1k on peak winter days is not feasible or cost effective. On peak winter days, distribution systems require high, sustained flow rates across multiple days. Portable CNG or LNG systems of reasonable size cannot deliver gas at continuous volumes required to replace primary supply sources for large numbers of customers during these peak winter days. Portable CNG and LNG are designed for localized, short-duration contingencies for planned work, not as 24-7 year-round peak demand back-up for unplanned failures.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-5.2bi

Respondent: K. M. Fedele

Page: 1 of 1

Question: For the following request regarding the proposed Carlton Main Replacement project please refer to AADG-2.1k regarding the option of an alternative to use portable CNG or LNG. The Company stated that "This option was determined to be infeasible and not cost effective due to the high costs identified during evaluation of other single source pipelines." Please respond to the following requests:

b. It is difficult to understand the cost effectiveness of portable CNG or LNG compared to the proposed Carlton Main Replacement project due to the portion of the above sentence that says "…due to the high costs identified during evaluation of other single source pipelines." Please explain what "due to the high costs identified during evaluation of other single source pipelines" means.

i. Does it mean that new pipelines such as the Carlton Main replacement project are high cost?

Answer: The reference to "high costs identified during evaluation of other single-source pipelines" refers to the costs associated with using portable CNG or LNG as an alternative supply for planned work, not to the cost of constructing new pipeline replacements.

DTE Gas has evaluated portable CNG and LNG as potential alternatives for planned work such as ILI that could result in potential outages. In those evaluations, the costs required to deploy portable CNG or LNG, including unloading facilities, temporary storage, vaporization, pressure regulation, and logistics were found to be high. In addition portable CNG or LNG only provide backup supply when deployed. They do not provide 24-7 year-round peak demand back-up for unplanned failures and therefore are not a solution to the outage potential described on pages 59-60 of my direct testimony.

Based on those prior evaluations, DTE Gas determined that portable CNG or LNG would not be feasible or cost effective as an alternative for the Carlton Main. This does not mean that new pipeline replacement projects such as the Carlton Main replacement are high cost.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-5.2bii

Respondent: K. M. Fedele

Page: 1 of 1

Question: For the following request regarding the proposed Carlton Main Replacement project please refer to AADG-2.1k regarding the option of an alternative to use portable CNG or LNG. The Company stated that "This option was determined to be infeasible and not cost effective due to the high costs identified during evaluation of other single source pipelines." Please respond to the following requests:

b. It is difficult to understand the cost effectiveness of portable CNG or LNG compared to the proposed Carlton Main Replacement project due to the portion of the above sentence that says "…due to the high costs identified during evaluation of other single source pipelines." Please explain what "due to the high costs identified during evaluation of other single source pipelines" means.

ii. Does it mean that the Company found that the cost of portable CNG or LNG is higher than the cost of the Carlton Main Replacement Project?

Answer: No. Please refer to Question AADG-5.2bi

Attachment: None

MPSC Case No: U-21973

Requester: Staff

Question No.: KPS-1.1a-b

Respondent: K. M. Fedele

Page: 1 of 1

Question: Referring to page 31, lines 13-15, of Company witness Kelly M. Fedele's direct testimony; with regard to the East Petoskey Pipeline Reinforcement Project:

a. What is the status of the East Petoskey Pipeline Reinforcement Project?

b. If the status of the East Petoskey Pipeline Reinforcement Project has been changed in such a way as to differ from what as been filed in this instant case please provide an update to DTE Gas Company Exhibit A-12, Schedule B5.2, line 6, to reflect the current anticipated capital expenditure requirements for the project.

Answer: a. Since the time of filing, DTE Gas has determined that the East Petoskey Pipeline Reinforcement Project is unlikely to be in service before the end of the Projected Test Period in this proceeding and therefore the Company is no longer seeking cost recovery in this case. The Company intends to seek recovery in a future rate case.

b. An updated exhibit has been attached showing the revised capital expenditure plan for the East Petoskey Pipeline Reinforcement Project. Additionally, the change in the capital plan reduces the Company's revenue requirement / deficiency in this case by $679,000 as shown on line 15 (excel column F) in attachment U-21973 KPS-1.1b-02 East Petoskey Revenue Requirement.

Attachments: U-21973 KPS-1.1b-01 Revised Exhibit A-12 Schedule B5.2 line 6
U-21973 KPS-1.1b-02 East Petoskey Revenue Requirement

Co-Respondent(s): T. M. Uzenski

Michigan Public Service Commission
DTE Gas Company
KPS-1 Audit Responses (1a-b)

Case No.: U-21973
Exhibit: A-38
Schedule: BB5
Witness: K. M. Fedele
Page: 2 of 2

Michigan Public Service Commission
DTE Gas Company
Capital Expenditures - Large Capital Projects
($000)

Case No.: U-21973
Exhibit: A-12
Schedule: B5.2 (Revised)
Witness: K. Fedele
Page: 1 of 1

	(a)	(b)	(c)	(d)	(e)	(f)
				Capital Expenditures		
		Historical	**Projected Bridge Year**			**Projected Test Year**
Line No.	**Description**	**12 mos. ended 12/31/2024**	**12 mos. ending 12/31/2025**	**9 mos. ending 9/30/2026**	**21 mos. ending 9/30/2026**	**12 mos. ending 9/30/2027**
			1/		*=col.(c) + col.(d)*	
1	**Large Capital Projects**					
2	South Grand Rapids Distribution Line	-	1,333	12,759	14,092	13,679
3	Van Born Project	5,774	4,831	-	4,831	-
4	Fort Street Main Replacement Project	22,953	25,819	32,423	58,243	13,520
5	Carlton Main Replacement	-	500	6,960	7,460	7,000
6	East Petoskey Reinforcement Project	-	406	3,266	3,672	27,491
7	Oakland Resilience Project	1,138	5,625	302	5,926	-
8	Taggart Compressor Station Replacement	-	12,400	53,484	65,884	218,175
9	Belle River Dehydration Unit	23,288	2,400	-	2,400	-
10	**Total Large Capital Projects**	$ 53,152	$ 53,315	$ 109,193	$ 162,508	$ 279,865

1/ Column (c) 12 mos. ending 12/31/2025 reflects six months of actual capital expenditures for January 2025 through June 2025 and five months of forecasted capital expenditures for July through December 2025.

MPSC Case No: U-21973

Requester: MECCUB

Question No.: MECCUBDG-8.21a

Respondent: K. M. Fedele

Page: 1 of 1

Question: Refer to the Direct Testimony of witness K. M. Fedele at page KMF-36 where it states, “The East Petoskey Pipeline Reinforcement project involves construction of a new 13.5-mile 8’’ diameter distribution pipeline…”

a.Please provide the capacity of the existing Petoskey pipeline and the capacity of the proposed 13.5-mile 8’’ diameter pipeline. Please specify the units in the response.

Answer: Pipeline capacities are not a single number. Pipeline capacity is a function of both where the load is located along the pipeline and what delivery pressure is required to be maintained at each load point in addition to the diameter, wall thickness, material type, and MAOP of the pipeline.

Attachment: None

MPSC Case No: U-21973

Requester: MECCUB

Question No.: MECCUBDG-8.21b

Respondent: K. M. Fedele

Page: 1 of 1

Question: Refer to the Direct Testimony of witness K. M. Fedele at page KMF-36 where it states, “The East Petoskey Pipeline Reinforcement project involves construction of a new 13.5-mile 8’’ diameter distribution pipeline…”

b.If the capacity of the new pipeline is different from that of the existing pipeline, please explain why DTE decided to increase or decrease the capacity of the new pipe.

Answer: Please refer to question MECCUBDG-8.21a.

Attachment: None

MPSC Case No: U-21973

Requester: MECCUB

Question No.: MECCUBDG-8.25a

Respondent: K. M. Fedele

Page: 1 of 1

Question: In the Direct Testimony of witness K. M. Fedele, refer to Q&A 80 beginning on page KMF-38.

a.Please provide the Company's analysis showing that it "would not provide enough pipeline capacity to serve the existing customers under peak conditions and would not mitigate the outage potential of the pipeline" if DTE were to reduce the pipeline's Maximum Allowable Operating Pressure to 405 psig. Please provide all analysis and workpapers in native or Excel-file format with formulas intact and units, inputs, and assumptions clearly identified.

Answer: DTE Gas objects for the reason that the information requested consists of confidential, proprietary, research and development of trade secrets, or commercial information, the disclosure of which would cause DTE Gas, its ratepayers, and its customers competitive harm. DTE Gas further objects to the extent the request seeks information that contains Customer Account Information, disclosure of which is prohibited by the Company's Data Privacy Tariff.

Without waiving said objection and subject thereto, this analysis was not completed in Excel but instead was performed using hydraulic system modeling which requires a Synergi Gas software license to view. The modeling results showed that this option was not feasible if the MAOP is reduced to 405 psig. Hydraulic models used to determine this include all of the distribution assets and loads in the Cadillac-Petoskey-Traverse City region and due to the large and cumbersome amount of data cannot easily be shared. The Company's hydraulic system models are available for viewing at DTE offices.

Attachment: None

Co-Respondent(s): Legal

MPSC Case No: U-21973

Requester: MECCUB

Question No.: MECCUBDG-5.24b

Respondent: K. M. Fedele

Page: 1 of 1

Question: Refer to the GDP at page 86 where it states, "During the development phase of major capital projects, DTE Gas evaluates various solutions to balance cost and risk including utilizing hydraulic modeling to simulate complex gas system scenarios."

b. Does DTE consider any pipe lining technologies such as Starline Cured-In-Place Liners? If yes, please explain how DTE determines appropriate situations to use this technology. If not, please explain why not.

Answer: Yes, DTE Gas has considered pipelining technologies and has performed test installations of similar pipe lining technology in the past. The Company compared the entire cost, system impact, and realistic field condition restrictions of pipelining vs replacement with new plastic or steel pipe and has determined that pipe lining is likely only appropriate in situations where site conditions make pipe replacement impractical.

Attachment: None

MPSC Case No: U-21973

Requester: Ann Arbor

Question No.: AADG-2.3a

Respondent: K. M. Fedele

Page: 1 of 1

Question: For the following requests, please refer to the Fort Street Main Replacement project summary in Exhibit A-12, Schedule B5.5, p. 4-5.

a. The Scope of Work section provides data that shows in 2025 the Company will replace 14,925 feet (2.83 miles) of pipe at a project cost with contingency of $27,000,000. Since a portion of the cost is for 4 regulators and miscellaneous main, valves, and fittings, please provide the cost only for the 2.83 miles of new pipe. Does the Company find this project to have a higher than typical cost per mile of pipe replaced? Please explain why or why not.

Answer: The Company cannot provide total costs for only the 2.83 miles of new pipe on the Fort Street Main Replacement project in 2025 because costs associated with design, materials, and other project overheads are tracked by phase and year. However, the Company does find that the Fort Street Main Replacement project does have a higher than typical cost per mile of pipe replaced due to many factors including: large diameter steel pipeline construction, multiple large horizontal directional drills and auger bores, unmarked facility reroutes, historic trolley track removal, increased traffic control costs, cost for flowable filling large diameter abandoned pipelines, and additional costs for coordinating with large customers, the GHIB project, other MDOT projects, and local events.

Attachment: None

Michigan Public Service Commission
DTE Gas Company
Investment Recovery Mechanism Expenditures History and Projections for 2020-2029
Updated Direct Exhibit A-12, Schedule B6.5

Case No.: U-21973
Exhibit: A-39
Schedule: CC1
Witness: E. D. Janness
Page: 1 of 1

Line No.	(a) Description	(b) 2022	(c) 2023	(d) 2024	(e) 2025	(f) 2026	(g) 2027	(h) 2028	(i) 2029	(j) 2030	(k) 2031
		Actual				Projected Calendar Year					
	Gas Renewal Program										
1	Legacy Main Renewal - SEMI (Miles)	164	167	119	119	89	120	120	120	120	120
2	Legacy Main Renewal - GRMI (Miles)	57	57	58	42	33	41	41	41	41	41
3	**Legacy Main Renewal - Total (Miles)**	**222**	**224**	**177**	**161**	**122**	**161**	**161**	**161**	**161**	**161**
4	Main Install - SEMI (Miles)	205	204	173	133	106	146	146	146	146	146
5	Main Install - GRMI (Miles)	62	70	64	59	37	50	50	50	50	50
6	**Main Install - Total (Miles)**	**267**	**273**	**237**	**192**	**143**	**196**	**196**	**196**	**196**	**196**
7	GRP Costs - SEMI ($K)	$ 242,379	$ 238,036	$ 240,189	$ 217,334	$ 214,992	$ 254,665	$ 262,107	$ 269,269	$ 275,148	$ 281,737
8	GRP Costs - GRMI ($K)	$ 49,644	$ 54,756	$ 55,330	$ 52,307	$ 46,745	$ 51,706	$ 53,597	$ 54,746	$ 55,980	$ 57,303
9	**GRP Costs - Total ($K)**	**$ 292,024**	**$ 292,792**	**$ 295,518**	**$ 269,642**	**$ 261,737**	**$ 306,371**	**$ 315,704**	**$ 324,015**	**$ 331,127**	**$ 339,040**
10	$/Mile Installed - SEMI ($K)	$ 1,182	$ 1,169	$ 1,388	$ 1,630	$ 2,037	$ 1,739	$ 1,790	$ 1,839	$ 1,879	$ 1,924
11	$/Mile Installed - GRMI ($K)	$ 801	$ 786	$ 870	$ 893	$ 1,254	$ 1,043	$ 1,081	$ 1,105	$ 1,130	$ 1,156
12	**$/Mile Installed - Total ($K)**	**$ 1,094**	**$ 1,071**	**$ 1,249**	**$ 1,405**	**$ 1,833**	**$ 1,563**	**$ 1,611**	**$ 1,653**	**$ 1,690**	**$ 1,730**
13	**Ultrasonic Meters & By-pass Devices**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,917**	**$ 7,666**	**$ 11,450**	**$ 11,450**	**$ 11,450**	**$ 11,450**
	Supplemental MMO and LSR										
14	**MAC Meter Move Outs -Total**	**8,353**	**8,621**	**6,442**	**2,070**	**-**	**-**	**-**	**-**	**-**	**-**
15	**Inside Meter Move Outs - Total**	**-**	**-**	**-**	**3,081**	**7,300**	**7,300**	**7,300**	**-**	**-**	**-**
16	**Legacy Service Renewals - Total**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7,300**	**7,300**	**7,300**
17	**MAC Meter Move Outs ($K)**	**$ 23,113**	**$ 27,007**	**$ 25,100**	**$ 11,555**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
18	**Meter Move Out Costs ($K)**	**$ -**	**$ -**	**$ -**	**$ 12,153**	**$ 27,061**	**$ 27,629**	**$ 28,296**	**$ -**	**$ -**	**$ -**
19	**Legacy Service Renewals Costs ($K)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 28,985**	**$ 29,873**	**$ 30,960**
20	**$/MAC MMO - Total ($K)**	**$ 2.77**	**$ 3.13**	**$ 3.90**	**$ 5.58**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
21	**$/MMO - Total ($K)**	**$ -**	**$ -**	**$ -**	**$ 3.94**	**$ 3.71**	**$ 3.78**	**$ 3.88**	**$ -**	**$ -**	**$ -**
22	**$/LSR - Total ($K)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 3.97**	**$ 4.09**	**$ 4.24**
23	**Total GRP ($M)**	**$ 315,137**	**$ 319,799**	**$ 320,618**	**$ 293,350**	**$ 290,714**	**$ 341,666**	**$ 355,450**	**$ 364,450**	**$ 372,450**	**$ 381,450**
24	Pipeline Integrity	$ 20,367	$ 25,674	$ 16,792	$ 25,341	$ 19,594	$ 6,000	$ 6,000	$ 350	$ 6,000	$ 6,000
25	Regulator Station Replacement Program				$ 6,923	$ 7,000	$ 12,500	$ 25,000	$ 50,000	$ 50,000	$ 50,000
26	Cathodic Protection				$ 10,432	$ 20,600	$ 17,600	$ 17,600	$ 17,600	$ 17,600	$ 17,600
27	**Grand Total IRM ($M)**	**$ 335,504**	**$ 345,474**	**$ 337,410**	**$ 336,046**	**$ 337,908**	**$ 377,766**	**$ 404,050**	**$ 432,400**	**$ 446,050**	**$ 455,050**

(1) Expenditures listed do not include vehicle depreciation or annual incentives which were disallowed from IRM

MPSC Case No.	**U-21973**
Responding Party:	Attorney General
Respondent:	Sebastian Coppola
Requestor:	DTE Gas
Question No.:	**DGAG-2.5**

DGAG-2.5

Please refer to Witness Coppola's direct testimony, at page 145, lines 6-16 where he states that higher permit costs, restoration costs, and contractor costs are a function of activity. Please provide any calculations Witness Coppola has performed or sources he has to validate these claims.

Response:

Mr. Coppola's conclusion in the referenced section of his testimony is based on simple logic that as more demand is placed on the scarce or limited resources of agencies and contractors involved in construction activities, costs increase. This is a basic economic principle of supply and demand. Additionally, Mr. Coppola is frequently involved in evaluating the capital programs of other utilities within and outside of Michigan and has observed similar trends and results when limited resources are in high demand.

As stated on page 145 of Mr. Coppola's direct testimony "This dramatic increase in demand for contractor services with limited availability of resources has resulted in significant annual cost escalations. Unless the demand for materials, contractor services, and other services ebbs with more rational limitations on the pace of main replacement and construction activity by gas utilities, the cost escalation problem will not improve and in fact may get worse." This basic warning should be heeded if the Company wants to avoid a worsening of the customer bill affordability problem that currently exists.

Date: 3/24/26

MPSC Case No: U-21973

Requester: MECCUB

Question No.: MECCUBDG-11.4a

Respondent: E. D. Janness

Page: 1 of 1

Question: Refer to Witness Janness's testimony, pages 33-37 and, for sub-parts a and b, refer also to Q&A 66-68.

a. Has the company undertaken any quantitative analysis or evaluation to attribute or estimate the cost impact of the described complex work? If yes, produce it. If no, describe in detail how the complexity described is used to estimate cost increases?

Answer: See attached. Also refer to Exhibit A-12, Schedule B6.4 Infrastructure Challenges Associated with Complexity.

The Company's approach begins by applying the 2024 average cost per mile to the miles completed in 2025 to establish a reasonable baseline for comparison. The variance between this baseline and actual 2025 costs is then explained based on known cost drivers.

Attachment: U-21973 MECCUBDG-11.4-01 2024 to 2025 GRP Variance Summary

2024 to 2025 Variance Analysis

Year	Miles	Actuals	CPU
2024	236.62	$ 299,594,382	$ 1,266,166
2025	190.56	$ 286,969,159	$ 1,505,938

2025 Projected based on 2024 CPU	$ 241,278,693

Wage Inflation	Average 3% increase year over year	$ 1,167,894
Material Inflation	Average 3.3% increase of material prices	$ 830,171
Contractor Rates	An average 3.2% increase of esclators and new contracts for construction contractors	$ 2,652,387
Region Mix Variance	The scope of work in 2025 increased miles in higher cpu areas, such as Downtown Detroit, versus 2024 due to utility congestion, having to open cut more pavement, and because of commercial services	$ 5,607,908
Flow Fill	The need for flow fill increased due to the varying requirements of municipalities and the increase in work that results in abandonment of larger diameter pipe.	$ 1,919,156
Traffic Control	Traffic control is a municipal requirement and increasingly needed when performing work in densly populated/congested areas or on major thoroughfares.	$ 816,862
Complexity	Overall complexity increased by $20.46M and here are examples are are highest cost per mile projects in 2025: <u>Milwaukee Junction 2 ($5.4M per mile)</u> - Large diameter pipe install, nearly half was 12" pipe - Majority open cut roadways in order to align with existing utility and navigate other utility congestion, increasing time/cost to install and requiring joint to joint restoration - Hydro excavation needed due to heavy utility congestion - Large directional bore effort for M-10 freeway crossing which was 12" pipe, 70ft deep, and approximately 1000ft long - 2 railroad crossing and 7 steam line crossings each requiring steel pipe and pickling - Many large commercial / industrial customers requiring large diameter services and large meter sets - Large diameter cast iron abandonment requiring specialty fittings, stopping techniques, and larger excavations <u>Southwest Detroit 3B ($2.5M per mile)</u> - Large diameter 8" pipe installed down middle of Fort St - Removal of trolley tracks found frequently - Majority open cut roadways in order to align with existing utility and navigate other utility congestion, increasing time/cost to install and requiring joint to joint restoration - Hydro excavation needed due to heavy utility congestion - Large diameter cast iron abandonment requiring specialty fittings, stopping techniques, and larger excavations - Jack & Bore across lodge freeway with possibly the largest exacavation required in the ebankment of freeway requiring specialty earth retention (see photos right) - Many large commercial / industrial customers requiring large diameter services and large meter sets - Rail road crossing near I-75 <u>Midtown Muni ($3.4M per mile)</u> - Majority open cut roadways in order to align with existing utility and navigate other utility congestion, increasing time/cost to install and requiring joint to joint restoration - Hydro excavation needed due to heavy utility congestion - Many large commercial / industrial customers requiring large diameter services and large meter sets - 2 steam lines requiring steel pipe and pickling - Pressure department support for odorant testing	$ 20,456,333

GRP MMO	Cost of Supplemental MMO beginning to roll into the overall GRP program	$ 12,239,755

Sub-total	$ 45,690,466

2025 Actuals	$ 286,969,159

1. 2025 Actuals, Units, and CPUs are based on preliminary data that will be finalized with the submission of the March 31st IRM filing

Southwest Detroit Freeway Crossing

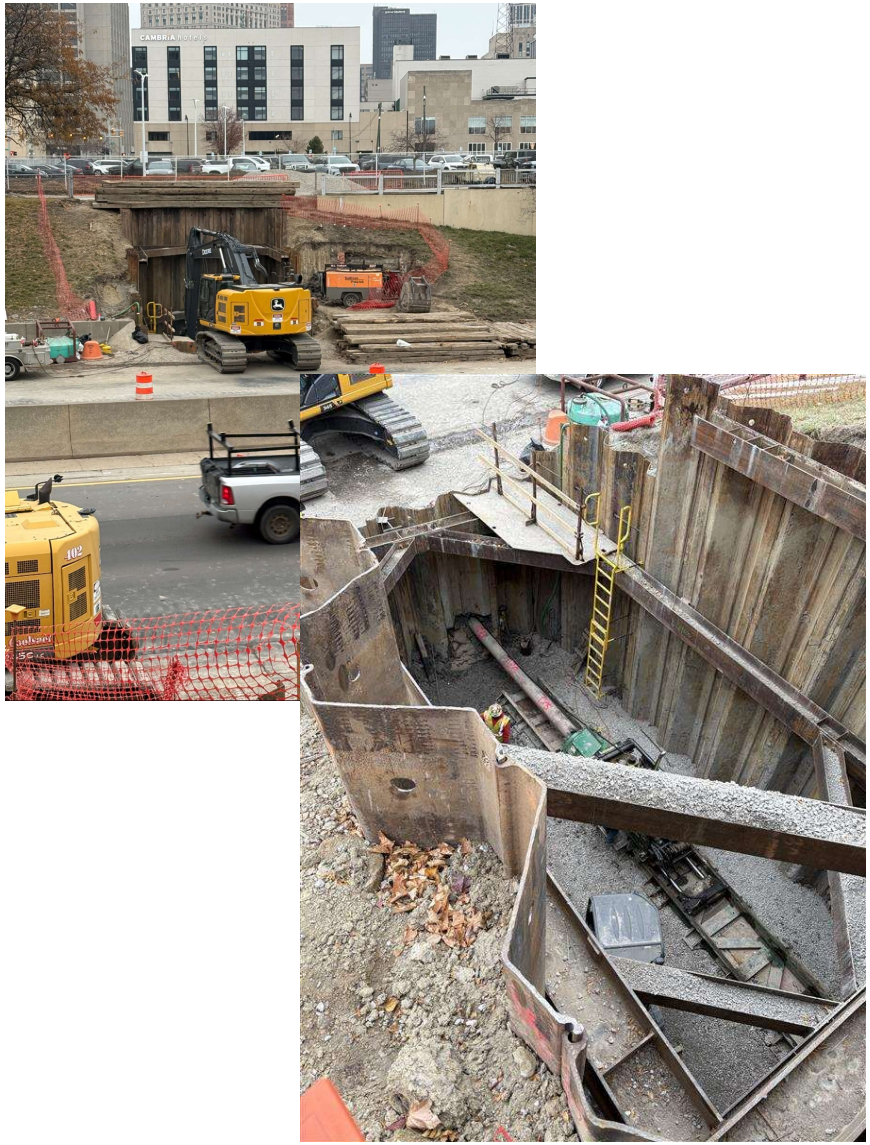


EXHIBIT A-40 SCHEDULE DD1

The original model is voluminous such that attachment and entry in evidence is impracticable. As such, it is incorporated by reference herein and made available for examination by the parties pursuant to R792.10427 via hyperlink. Parties may review the model at:

https://dteenergy.sharepoint.com/sites/DiscoveryPortal/DTEGas/25GasRateCase/Documents/Discovery/MECCUBDG-3/U-21973%20MECCUBDG-3.12a-01%20HVAC%20Cost%20Model.xlsx

NYSERDA
New York State Energy Research and Development Authority

KATHY HOCHUL
Governor
CHARLES BELL
Acting Chair
DOREEN M. HARRIS
President and CEO

TO: Jackie Bray, Director of State Operations

FROM: Doreen M. Harris, President and CEO

RE: Likely Costs of CLCPA Compliance

DATE: February 26, 2026

If fully implemented with regulations to meet the 2030 targets, CLCPA's original design—differing accounting standards from the internationally-accepted approach and inflexible near-term targets—would combine to yield high costs to New York households and businesses. Addressing this cost escalation is essential to deliver a policy that supports affordability and economic competitiveness and is necessary to ensure continued progress on decarbonization policy.

Absent changes, by 2031, the impact of CLCPA on the price of gasoline could reach or exceed $2.23/gallon on top of current prices at that time; the cost for an MMBtu of natural gas $16.96; and comparable increases to other fuels. Upstate oil and natural gas households would see costs in excess of $4,000 a year and New York City natural gas households could anticipate annual gross costs of $2,300. Only a portion of these costs could be offset by current policy design.

Estimated near term compliance costs with CLCPA

In order to fully comply with CLCPA's current emissions targets with a cap-and-invest program, such a regulation would omit limits on potential allowance prices. Leveraging previous analysis, NYSERDA is able to provide an updated, conservative estimate for likely allowance prices and estimate the compliance costs to differently situated households and businesses.

The estimated allowance price would begin in the neighborhood of $120/ton and rise to $179.80/ton by 2031 in real terms. There are reasons to believe that this cost is an underestimate. The first of these is that the modeling was carried out prior to the updates incorporated in the State Energy Plan, meaning that the model doesn't reflect the current hostile and disruptive federal government, which is revoking essential tax credits and regulations, as well as implementing costly tariffs and increasing inflation.

Also, the acceleration of clean energy deployment represented by the model as required to achieve the CLCPA's targets is infeasible today. In particular, there is a lack of market capacity to deliver the volume of renewable energy, electric vehicle (EV) sales, heat pump and building shell deployments, etc. that would be called for, and it is also difficult to envision how all actors in the State could adequately ramp up to spend the $28 billion that such a policy would generate annually quickly after program launch.

Notwithstanding these cautions, the modeled price would lead to high burdens to New York households, especially those unable to install lower emissions technologies. Included below are

estimated price impacts for common energy units. We arrive at these costs by multiplying the emissions intensity of each fuel by the forecasted price of allowances.

2031 Cost per Unit of Energy (Real 2025$)

	Estimated allowance price	Metric tons per unit of fuel[1]	Additional cost per unit of fuel
Impact to unit cost for natural gas ($ per MMBtu)	$178.47	0.095	$16.96
Impact to unit cost for diesel ($ per gal)		0.0135	$2.41
Impact to unit cost for gasoline ($ per gal)		0.0125	$2.23

A complete table is provided below for moderate income households, but current estimates indicate that the most impacted households—upstate, two car households that rely on heating oil—would likely experience gross cost impacts in excess of $4,100 annually. Even after affordability benefits, this amount remains above $2,400. Even households switching to newer, more efficient fossil fuel equipment could expect to see substantial costs, with net savings emerging only among the lowest income households and those that have largely eliminated all fossil fuel use.

2031 Total Moderate Income Household Annual CAI Impact by Energy Profile (Real 2025$)

	Current Equipment		Conventional Replacement		High Efficient Electrification	
Starting Point Household Profile	*Gross CAI Impact*	*Net CAI Impact*	*Gross CAI Impact*	*Net CAI Impact*	*Gross CAI Impact*	*Net CAI Impact*
Upstate (heating oil)	$4,152	$2,460	$3,012	$1,320	$120	($1,560)
Upstate (natural gas)	$4,260	$2,580	$3,036	$1,344	$120	($1,560)
NYC (natural gas)	$2,340	$1,548	$1,656	$864	$0	($804)

Likewise, similarly burdensome costs should be anticipated for small and medium commercial businesses. Depending on the utility and size of the facility, such entities could expect utility costs to increase by as much as 46%. Costs for operating a delivery truck would increase by over 60%.

[1] To understand costs per unit of fuel, the allowance price should be multiplied by the factors in the table. Notably, an underappreciated challenge of CLCPA's GHG accounting method is that emissions factors for fossil fuels can change year to year due to changes in estimates of upstream emissions, so New York State never knows with certainty its true emissions under statute. In particular, in 2025, DEC reduced the emissions factor for natural gas to 0.088/MMBtu. While this would reduce the price per unit of a fuel given an allowance price, modeling described here was done under the previous emissions factor and so remains the basis of these calculations.

2031 Total Annual CAI Impact for Small and Medium Commercial Entities (Real 2025$)

	CAI gross costs	Current utility or fuel cost annually		Premium compared to current energy bills	
		Low Range	*High Range*	*Low Range*	*High Range*
Cost for small commercial ratepayer (4,000 Ccf; 12,600 kwh)	$6,950	$36,084	$54,235	13%	19%
Cost for large commercial ratepayer (400,000 Ccf; 720,000 kwh)	$695,036	$1,517,004	$2,589,602	27%	46%
Cost of diesel for avg. delivery truck per year	$3,837	$6,255		61%	

Notably, while difficult to estimate at this time, the ability to extend Energy-Intensive, Trade-Exposed (EITE) protections to industrial businesses would likely be muted or impossible if seeking to comply with current CLCPA targets, so high costs would also be anticipated to all sizes of manufacturing entities. For some entities, this would reach millions of dollars per year.

Current CLCPA targets escalate costs for New Yorkers as a result of a combination of factors. Primarily, the greenhouse gas accounting approach incorporated in statute and regulation, in combination with current emission reduction targets, mean that current law attributes higher emissions to New York than other leading jurisdictions do for the same activity, as well as higher emissions than under accepted science. This includes emissions from out-of-state fossil fuel production, which is not incorporated in jurisdictional inventories by the IPCC; attributing to bioenergy its combustion emissions and thus ignoring the treatment of the short carbon cycle by scientists and the IPCC; and the use of Global Warming Potential 20 (GWP-20), which the IPCC states is not standard practice in the scientific community and doesn't comport with the Paris Agreement Rulebook. In addition, the targets as adopted in 2019 could not have foreseen the substantial reversal in the federal policy landscape, the disruptive and lingering impacts of COVID-19 and the subsequent supply chain crisis, the return of an inflationary economy, and the influence of geopolitical events on energy costs generally.

A2ZERO

Start over Sign in

Based on the info you provided, here are a few initial options.

Click 'Next' to refine your options with additional home details or discuss with an Advisor

1-2 of 2

Ducted Heat Pump System

Electric



A single system that replaces your furnace and air conditioning units, providing efficient heating and cooling while eliminating your fossil fuel usage for a more climate-friendly home.

Read More

Installed Cost Before instant rebates	~~$20,800 - $28,100~~
Your Upfront Cost After instant rebates	$17,400 - $23,500 ?
Potential Additional Incentives Rebates and incentives that pay later	$5,900
Monthly Cost w/ Financing	$210 - $280 / mo

Annual Bill Impact Estimate based on similar homes - your Pearl Edison advisor will refine after your Home Assessment	↑ $390 - $520
Annual Climate Impact Estimate based on similar homes	↑ 0.9 metric tons CO2

Dual-Fuel Ducted Heat Pump System

Electric / Natural Gas



Combines efficient heating and cooling in one system, replacing your furnace and your AC unit. It uses a heat pump for moderate temperatures and a backup furnace for colder months, optimizing energy cost year-round.

Read More

Installed Cost Before instant rebates	~~$23,200 - $31,400~~
Your Upfront Cost After instant rebates	$23,200 - $31,400 ?
Potential Additional Incentives Rebates and incentives that pay later	$4,700
Monthly Cost w/ Financing	$280 - $380 / mo

Annual Bill Impact Estimate based on similar homes - your Pearl Edison advisor will refine after your Home Assessment	↑ $540 - $720
Annual Climate Impact Estimate based on similar homes	↑ 0.9 metric tons CO2

Back Next

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR26-0518	2026-03-25	Residential	2612 Prairie St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR26-0434	2026-03-19	Residential	6 Ridgemor Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR26-0392	2026-03-25	Residential	208 Orchard Hills Dr	Mechanical (Residential)	General HVAC	INSTALL 2 TON FURNACE		No	No		
MECHR26-0386	2026-03-18	Residential	2672 Maplewood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR26-0370	2026-03-23	Residential	2990 Barclay Way	Mechanical (Residential)	General HVAC	Replace Furnace/Heat Pump/Water Heater	Replace Furnace/Heat Pump/Water Heater	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR26-0366	2026-03-19	Residential	2217 Independence Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0365	2026-03-20	Residential	2958 W Whittier Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & FIX DRYER VENT		No	No		
MECHR26-0364	2026-03-20	Residential	1700 W Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0355	2026-03-21	Residential	2725 Canterbury Rd	Mechanical (Residential)	General HVAC	Installation of 2 Mini split condensers and 4 Indoor Mini Split heads.	Installation of 2 outdoor condensers and 4 indoor mini split heads	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR26-0353	2026-03-19	Residential	2825 Provincial Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR26-0335	2026-03-18	Residential	232 Brookridge Rd	Mechanical (Residential)	General HVAC	70,000 BTU gas furnace 80%	Installation 70,000 BTU gas furnace 80% efficiency	No	No		
MECHR26-0331	2026-03-18	Residential	35 Revere Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0330	2026-02-24	Residential	2425 Foxway Dr	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR26-0329	2026-03-15	Residential	1402 W Liberty St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR26-0308	2026-03-08	Residential	2921 Leslie Park Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR26-0307	2026-03-21	Residential	2448 Yost Blvd	Mechanical (Residential)	General HVAC	Mini Split Installation, 2 Outdoor Units & 4 Indoor units. Electrical done by others.		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR26-0305	2026-02-26	Residential	1135 Ravenwood Ave	Mechanical (Residential)	General HVAC	Chimney liner and furnace installation	Chimney liner and furnace install	No	No		
MECHR26-0297	2026-03-17	Residential	1785 Timber Trl	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR26-0294	2026-02-26	Residential	721 Fountain St	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR26-0286	2026-03-20	Residential	715 Leona Dr	Mechanical (Residential)	General HVAC	Furnace Replacement	Replace existing furnace (like for like).	No	No		
MECHR26-0272	2026-03-18	Residential	2516 Sequoia Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0267	2026-03-18	Residential	2863 Atterberry Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0261	2026-03-19	Residential	2436 Colony Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR26-0249	2026-02-21	Residential	1214 Brooklyn Ave	Mechanical (Residential)	General HVAC	Install furnace - replacement.		No	No		
MECHR26-0236	2026-02-26	Residential	1517 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR26-0235	2026-03-21	Residential	1511 Creal Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR26-0213	2026-02-24	Residential	1510 Woodland Dr	Mechanical (Residential)	General HVAC	Replace existing furnace	Replace an existing furnace.	No	No		
MECHR26-0210	2026-03-18	Residential	3900 Penberton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFER	REPLACE FURNACE AND HUMIDIFER	No	No		
MECHR26-0205	2026-02-28	Residential	3420 Vintage Valley Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0192	2026-03-13	Residential	1106 Arella Blvd	Mechanical (Residential)	General HVAC	Replace Furnace	Replace existing Furnace with Ruud R801T - 75000 BTU	No	No		
MECHR26-0189	2026-03-18	Residential	1839 Hanover Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE HEAT EXCHANGERS		No	No		
MECHR26-0188	2026-03-07	Residential	621 Miner St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0187	2026-03-05	Residential	2185 Ardenne Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0178	2026-03-05	Residential	124 Grandview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR26-0158	2026-02-04	Residential	2247 S Main St	Mechanical (Residential)	General HVAC	Install furnace		No	No		
MECHR26-0149	2026-02-13	Residential	1030 Pennsylvania Ave	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR26-0144	2026-03-13	Residential	2900 Barclay Way	Mechanical (Residential)	General HVAC	FURNACE, AC		No	No		
MECHR26-0131	2026-02-26	Residential	3654 Frederick Dr	Mechanical (Residential)	General HVAC	Furnace change out and humidifier install	Furnace and humidifier installation	No	No		
MECHR26-0128	2026-03-04	Residential	2315 Churchill Dr	Mechanical (Residential)	General HVAC	INSTALL GAS FURNACE AND HUMDIFIER		No	No		
MECHR26-0123	2026-02-13	Residential	1625 S Maple Rd	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR26-0121	2026-03-13	Residential	103 Longman Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0120	2026-03-03	Residential	909 Robin Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR26-0118	2026-03-12 13:01:45	Residential	1331 Geddes Ave	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR26-0117	2026-03-18	Residential	2045 Pontiac Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR26-0114	2026-03-25	Residential	2265 Tilsby Ct	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT WITH ELECTRICAL RECONNECT	FURNACE REPLACEMENT	No	No		
MECHR26-0100	2026-02-15	Residential	1081 Green Rd	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR26-0099	2026-02-28	Residential	12 Westbury Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR26-0091	2026-02-07	Residential	1440 Kensington Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR26-0074	2026-02-18	Residential	516 Spring St	Mechanical (Residential)	General HVAC	install 2 zone standard mitsubishi heat pump		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR26-0073	2026-02-15	Residential	1946 Ridge Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0072	2026-02-06	Residential	309 W William St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0070	2026-02-20	Residential	1712 Hanover Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0069	2026-03-17	Residential	3636 Middleton Dr	Mechanical (Residential)	General HVAC	INSTALL NEW AC MINI SPLIT	WE ARE INSTALLING A NEW MINI SPLIT FOR AC PURPOSES FOR HIM. THE ELECTRICIAN , RINGBLOOM ELECTRIC, WILL BE PULLING THE ELECTRICAL PERMIT.	Yes	No		Mini Split
MECHR26-0064	2026-03-14	Residential	1214 Birk Ave	Mechanical (Residential)	General HVAC	AC UNIT INSTALL	INTALL AC UNIT	No	No		
MECHR26-0057	2026-02-13	Residential	2437 Darrow Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0055	2026-02-27	Residential	1306 W Madison St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & REPLACE AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR26-0054	2026-02-23	Residential	2950 W Whittier Ct	Mechanical (Residential)	General HVAC	installed a new 80% efficient gas furnace as requested by HOA. We also set up a new evaporator coil designed for R-454B refrigerant, preparing system for future air conditioning installation	We installed a new 80% efficient gas furnace as requested	No	No		
MECHR26-0053	2026-01-31	Residential	1600 Newport Rd	Mechanical (Residential)	General HVAC	ductwork in crawspace HVAC upgrades		No	No		
MECHR26-0051	2026-02-27	Residential	1321 Marlborough Dr	Mechanical (Residential)	General HVAC	Change out furnace, a/c and water heater. Rework some duct work in basement/mechanical room	change out condenser	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR26-0049	2026-03-25	Residential	2632 Pin Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0045	2026-02-27	Residential	1985 Wiltshire Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0043	2026-02-27	Residential	2566 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace 60K furnace, duct alterations, and 2ton AC (exist)	Replace 60K furnace, duct alterations, and 2ton AC (exist)	No	No		
MECHR26-0038	2026-03-10	Residential	514 W Madison St	Mechanical (Residential)	General HVAC	mini split heat pump	mini split installation	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR26-0035	2026-02-25	Residential	1322 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR26-0033	2026-02-03	Residential	821 Duncan St	Mechanical (Residential)	General HVAC	` REPLACE GAS FURNACE. ORIGNALLY APPLIED ON ETRAKIT MECH22-0335. HOMEOWNER NEEDS TO REACTIVATE PERMIT SO INSPECTION CAN BE DONE.`		No	No		
MECHR26-0028	2026-03-07	Residential	2426 Shadowood Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR26-0027	2026-02-26	Residential	700 Berkshire Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR26-0026	2026-01-21	Residential	1280 Sunset Rd	Mechanical (Residential)	General HVAC	` Remove and replace furnace and AC Rehook to existing electric`	` Remove and replace furnace and ACRehook to existing el	No	No		
MECHR25-3060	2026-01-30	Residential	2438 Bunker Hill Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-3057	2026-03-13	Residential	1405 Harbrooke Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR25-3054	2026-03-21	Residential	2390 Earl Schafer Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-3052	2026-02-10	Residential	2819 Pebble Creek Rd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-3050	2026-01-28	Residential	3515 Paisley Ct	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-3039	2026-02-12	Residential	1111 Prospect St	Mechanical (Residential)	General HVAC	replace furnace and water heater		No	No		
MECHR25-3028	2026-02-07	Residential	1615 Ferndale Pl 1	Mechanical (Residential)	General HVAC	Replace 45K furnace, liner, and 40gal water heater. Install new 1.5ton AC (rear)	Replace 45K furnace, liner, and 40gal water heater. Install	No	No		
MECHR25-3025	2026-01-15	Residential	2737 Barclay Way	Mechanical (Residential)	General HVAC	Furnace change out	80% AFUE, 70,000 BTU furnace installation	No	No		
MECHR25-3016	2026-02-13	Residential	1647 Broadway St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-3015	2026-02-10	Residential	1805 Maryfield Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-3014	2026-03-12	Residential	1306 Kensington Dr	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-3013	2026-02-12	Residential	3165 Dolph Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-3003	2026-01-24	Residential	2135 Fulmer Ct	Mechanical (Residential)	General HVAC	replace furnace	replace bad gas furnace	No	No		
MECHR25-2999	2026-02-05	Residential	808 Asa Gray Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND WATER HEATER	REPLACE FURNACE AND WATER HEATER	No	No		
MECHR25-2998	2026-02-05	Residential	1616 Peach St 1	Mechanical (Residential)	General HVAC	Replacement of a furnace & replacement gas water heater (added 12.30)		No	No		
MECHR25-2997	2026-02-04	Residential	2101 Tuomy Rd	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR25-2992	2026-02-15	Residential	21 Regent Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR25-2991	2026-02-18	Residential	3311 Turnberry Ln	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR25-2989	2026-02-06	Residential	1607 Dicken Dr	Mechanical (Residential)	General HVAC	Mini Split Head and Heat Pump installation, electrical done by others	Installation of Mini Split Heads & Heat Pump condenser, electrical done by Macson Electric.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2986	2026-01-28	Residential	2250 Glendaloch Rd	Mechanical (Residential)	General HVAC	furnace reconnect		No	No		
MECHR25-2983	2026-01-18	Residential	1122 Granger Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-2981	2026-02-12	Residential	820 Cherrystone Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2976	2026-03-10	Residential	1447 Broadway St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-2973	2026-02-04	Residential	1309 Iroquois Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2972	2026-01-21	Residential	516 S Fourth Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-2971	2026-01-24	Residential	1115 Henry St	Mechanical (Residential)	General HVAC	Replace 80K furnace, liner, and humidifier	Replace 80K furnace, liner, and humidifier	No	No		
MECHR25-2964	2026-02-25	Residential	3237 Lockridge Dr	Mechanical (Residential)	General HVAC	Adding a unit heater to the garage - Modine unit heater (hd40) 40,000 btu.		No	No		
MECHR25-2963	2026-03-08	Residential	1045 Western Dr	Mechanical (Residential)	General HVAC	install new furnace, liner, A/C and water heater	install new furnace, mini split and 50 gallon hybrid water h	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2960	2026-02-08	Residential	1280 Patricia Ave	Mechanical (Residential)	General HVAC	standard eff gas furnace installed, replace existing		No	No		
MECHR25-2959	2026-01-17	Residential	2327 Foss St	Mechanical (Residential)	General HVAC	adding mini split heat pump to new sunroom		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2957	2026-01-18	Residential	29 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-2955	2026-02-07	Residential	2421 Mulberry Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2952	2026-03-06	Residential	935 Westwood Ave	Mechanical (Residential)	General HVAC	Heat Pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2949	2026-01-30	Residential	504 Fountain St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2947	2026-01-25	Residential	2704 Winter Garden Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2941	2026-02-21	Residential	2814 Bombridge Ct	Mechanical (Residential)	General HVAC	`Install Trane Furnace 40,000 BTU s two stage (Reconnected) Install 2 Ton Trane 13.8 seer A/C (Reconnect)`		No	No		
MECHR25-2940	2026-01-21	Residential	3126 Lexington Dr	Mechanical (Residential)	General HVAC	96% 80K FURNACE REPLACEMENT (RECONNECT)		No	No		
MECHR25-2935	2026-01-29	Residential	2377 Earl Schafer Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-2920	2026-01-12	Residential	916 Brooks St	Mechanical (Residential)	General HVAC	replacement of furnace and air conditioner	replace existing furnace and AC	No	No		
MECHR25-2914	2026-03-10	Residential	317 Doty Ave	Mechanical (Residential)	General HVAC	Mini Split Installation	We will be installing a single zone 9k BTU heat pump mini split system. The electrician will pull his own electrical permit.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2913	2026-01-30	Residential	3623 Ca Canny	Mechanical (Residential)	General HVAC	replacing furnace and water heater	Replacing furnace and humidifier only	No	No		
MECHR25-2911	2026-01-17	Residential	2918 Verle Ave	Mechanical (Residential)	General HVAC	Install new 18K minisplit (garage wall)	Install new 18K minisplit (garage wall)	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2910	2026-01-22	Residential	2870 Barclay Way	Mechanical (Residential)	General HVAC	60K 80% FURNACE REPLACEMENT (RECONNECT)		No	No		
MECHR25-2909	2026-01-25	Residential	2731 Provincetown Ct	Mechanical (Residential)	General HVAC	2 mini splits installed	install 2 mini splits	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2905	2026-01-15	Residential	3248 Lockridge Dr	Mechanical (Residential)	General HVAC	install new mini	install mini split	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2902	2025-12-23	Residential	1816 Dunmore Rd	Mechanical (Residential)	General HVAC	Furnace replacement		No	No		
MECHR25-2896	2026-01-24	Residential	3069 Overridge Dr	Mechanical (Residential)	General HVAC	Install Geothermal Waterfurnace heat pump, (2) water heaters.		Yes	Yes	Geothermal	Geothermal
MECHR25-2895	2026-02-15	Residential	1825 Hanover Rd	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-2893	2025-12-24	Residential	2150 Pennsylvania Ln	Mechanical (Residential)	General HVAC	Replace existing Gas Furnace with new one		No	No		
MECHR25-2890	2026-01-30	Residential	3224 Dexter Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2889	2026-01-10	Residential	821 Barton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2881	2026-01-11	Residential	2241 Pontiac Trl	Mechanical (Residential)	General HVAC	40K 96% FURNACE REPLACEMENT (RECONNECT)		No	No		
MECHR25-2877	2026-01-07	Residential	2989 Wolverine Dr	Mechanical (Residential)	General HVAC	Installation of ductless mini split system (1 outdoor unit and 4 indoor mini split heads)	Installation of Ductless system (1 36K Heat Pump & 4 Indoor Heads)	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2876	2026-03-04	Residential	731 Scio Church Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2875	2026-03-19	Residential	516 W Washington St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2873	2026-01-09	Residential	1760 David Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2865	2026-01-16	Residential	1616 Washtenaw Ave	Mechanical (Residential)	General HVAC	Replace 4 ton Condenser	Replace 4 ton Condenser	No	No		
MECHR25-2856	2026-03-23	Residential	539 Long Shore Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR25-2855	2026-03-01	Residential	970 Northwood St	Mechanical (Residential)	General HVAC	Replace furnace and humidifier.	Replace furnace and humidifier.	No	No		
MECHR25-2852	2026-01-13	Residential	616 Fountain St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFER		No	No		
MECHR25-2848	2025-12-25	Residential	1036 Scott Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2844	2026-03-10	Residential	611 Catherine St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-2843	2026-03-10	Residential	3139 Plymouth Rd	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-2840	2026-03-05	Residential	3154 Dexter Rd	Mechanical (Residential)	General HVAC	Install, Furnace, Ductwork Gas Piping and Air Conditioning.	Install, Furnace, Ductwork Gas Piping and Air Conditioning	No	No		
MECHR25-2826	2026-02-04	Residential	1314 Algonac Ave	Mechanical (Residential)	General HVAC	`Heat Pump Exhaust Fan`		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2823	2026-03-06	Residential	1121 Kay Pkwy	Mechanical (Residential)	General HVAC	Heap Pump, ERV		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2822	2026-02-18	Residential	2774 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2820	2025-12-20	Residential	2650 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2814	2026-01-28	Residential	810 Hutchins Ave	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-2809	2026-01-02	Residential	3084 Village Cir	Mechanical (Residential)	General HVAC	Furnace install + Fix duct issues caused during a remodel.	Cut open wall where returns were blocked and capped off (	No	No		
MECHR25-2802	2026-02-27	Residential	1323 Traver St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & CHIMNEY LINER		No	No		
MECHR25-2799	2026-01-10	Residential	210 N Seventh St	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS HEAT PUMP TO LIVINGROOM		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2798	2025-12-23	Residential	2127 Pauline Ct	Mechanical (Residential)	General HVAC	Replacing the furnace		No	No		
MECHR25-2797	2025-12-25	Residential	2006 Arborview Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2794	2025-12-20	Residential	3175 Plymouth Rd	Mechanical (Residential)	General HVAC	furnace and a/c and liner replacement	furnace and a/c and liner replacement	No	No		
MECHR25-2791	2026-01-21	Residential	2300 Vinewood Blvd	Mechanical (Residential)	General HVAC	install all new mini-split system for out building.	install mini-split heat pump for out building. not part of the main house.	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2781	2026-01-23	Residential	500 Snyder Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFER		No	No		
MECHR25-2772	2026-03-13	Residential	580 Trego Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2762	2026-01-16	Residential	1610 Washtenaw Ave	Mechanical (Residential)	General HVAC	Replace water heater and Condenser	Water heater and AC replacement	No	No		
MECHR25-2756	2026-02-04	Residential	2885 Renfrew St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND GAS WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-2754	2026-02-18	Residential	204 N Seventh St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFER		No	No		
MECHR25-2747	2025-12-20	Residential	1309 Iroquois Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2746	2025-12-20	Residential	2865 N Baylis Dr	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR25-2740	2026-01-22	Residential	820 W Washington St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2736	2026-01-30	Residential	1820 Waverly Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2734	2026-02-13	Residential	2825 Kimberley Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2733	2025-12-06	Residential	2808 Bombridge Ct	Mechanical (Residential)	General HVAC	96 percent furnace replacement.	High Efficiency Furnace Replacement	No	No		
MECHR25-2732	2026-02-15	Residential	2705 Newport Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR25-2731	2026-02-06	Residential	341 Riverview Dr	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES	REPLACE 2 FURNACES	No	No		
MECHR25-2728	2025-12-11	Residential	3025 Charing Cross Rd	Mechanical (Residential)	General HVAC	90% furnace replacement	90% Furnace replacement	No	No		
MECHR25-2727	2025-12-11	Residential	806 S First St	Mechanical (Residential)	General HVAC	Install furnace and AC in 806 S 1st St	install furnace and ac in 806 S 1st St	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2726	2025-12-12	Residential	720 Arbor St	Mechanical (Residential)	General HVAC	Replacing the furnace		No	No		
MECHR25-2725	2026-03-12	Residential	1411 South Blvd	Mechanical (Residential)	General HVAC	INSTALL FURNACE, HEAT PUMP, HUMIDIFIER, AND CHIMNEY LINER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2724	2026-01-30	Residential	1725 Tudor Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR25-2720	2026-01-17	Residential	522 S Fourth Ave	Mechanical (Residential)	General HVAC	INSTALL WATER HEATER, 2 SINGLE -ZONE HEAT PUMPS AND AC	INSTALL WATER HEATER, 2 SINGLE -ZONE HEAT PUMPS AI	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2717	2025-12-12	Residential	3355 Tacoma Cir	Mechanical (Residential)	General HVAC	Replacing the furnace		No	No		
MECHR25-2707	2026-01-22	Residential	1877 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace/AC/Humidifier	replace furnace/AC/Humidifier	No	No		
MECHR25-2704	2026-01-11	Residential	511 Pauline Blvd	Mechanical (Residential)	General HVAC	Install new 80k BTU 4T Furnace with static pressure modifications, new humidifier to replace existing one	Install new furnace, raise system off wet flooring. Install ne	No	No		
MECHR25-2703	2026-01-02	Residential	1705 Covington Dr	Mechanical (Residential)	General HVAC	60k BTU 3T Furnace Install + Correct static pressure issues and add new filter system	Install new 96% furnace and remove outdated 80% system	No	No		
MECHR25-2702	2025-12-14	Residential	2639 Esch Ave	Mechanical (Residential)	General HVAC	Replace furnace, ac and humidifier	Replace furnace, ac and humidifier	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2700	2025-12-10	Residential	821 Granger Ave	Mechanical (Residential)	General HVAC	Chimney liner for existing furnace	Add 4 in x 35' chimney liner to existing furnace. Four inch l	No	No		
MECHR25-2699	2026-02-25	Residential	2345 Placid Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-2697	2026-01-29	Residential	105 Arbana Dr	Mechanical (Residential)	General HVAC	Replace 2 Furnaces ADD: Water Heater		No	No		
MECHR25-2696	2026-01-10	Residential	1704 Maryfield Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITONER		No	No		
MECHR25-2684	2026-01-14	Residential	2546 Pamela Ave	Mechanical (Residential)	General HVAC	Replace furnace, ac and water heater.	Replace furnace, ac and water heater	No	No		
MECHR25-2680	2025-12-20	Residential	1706 Morehead Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2679	2025-12-10	Residential	1108 Meadowbrook Ave	Mechanical (Residential)	General HVAC	install Mini split system	install mini split system	Yes	No		Mini Split
MECHR25-2677	2026-01-13	Residential	2005 Crestland Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-2665	2025-12-20	Residential	917 Greenhills Dr	Mechanical (Residential)	General HVAC	furnace reconnect	furnace reconnect	No	No		
MECHR25-2664	2026-01-24	Residential	1624 Brooklyn Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-2660	2025-12-12	Residential	2527 Prairie St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2656	2026-01-30	Residential	341 Hilldale Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2655	2026-01-25	Residential	320 Larkspur St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE & AC WITH AIR SOURCE HEAT PUMP AND ELECTRIC HEAT KIT		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2654	2025-12-17	Residential	5 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2653	2025-12-10	Residential	3326 Yellowstone Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2652	2025-12-12	Residential	1352 Marlborough Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2649	2026-03-07	Residential	2075 Ascot Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2647	2026-01-09	Residential	1019 Lincoln Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & REPLACE GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-2646	2026-02-20	Residential	1326 S Forest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2636	2025-11-22	Residential	1137 Freesia Ct	Mechanical (Residential)	General HVAC	Replace furnace and water heater	Replace furnace and water heater	No	No		
MECHR25-2631	2026-01-23	Residential	2098 Cloverly Ln	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2627	2025-12-30	Residential	2576 Packard St	Mechanical (Residential)	General HVAC	Furnace and air conditioner change out	Furnace and air conditioner change out	No	No		
MECHR25-2623	2025-11-20	Residential	814 Taylor St	Mechanical (Residential)	General HVAC	Furnace and air conditioner change out		No	No		
MECHR25-2620	2025-12-17	Residential	501 Snyder Ave	Mechanical (Residential)	General HVAC	Furnace and air conditioner installation	Furnace and air conditioner change out	No	No		
MECHR25-2613	2025-12-17	Residential	2906 Logan Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2611	2026-03-19	Residential	721 Dewey Ave	Mechanical (Residential)	General HVAC	Replace 2 Furnace's		No	No		
MECHR25-2609	2025-12-06	Residential	2938 Atterberry Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR25-2604	2026-02-10	Residential	2552 Arrowwood Trl	Mechanical (Residential)	General HVAC	2.5 TON AC REPLACMENT (RECONNECT)		No	No		
MECHR25-2600	2026-01-11	Residential	3 Jefferson Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & A/C		No	No		
MECHR25-2599	2025-11-18	Residential	1667 Broadway St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & A/C		No	No		
MECHR25-2593	2026-03-14	Residential	1045 Westaire Way	Mechanical (Residential)	General HVAC	install new forced air system		No	No		
MECHR25-2580	2025-12-12	Residential	830 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFER	No	No		
MECHR25-2577	2025-12-03	Residential	2712 Gladstone Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-2576	2025-12-12	Residential	2 Eastbury Ct	Mechanical (Residential)	General HVAC	Replacing the furnace, humidifer and a/c	Replacing the furnace, humidifier, and a/c	No	No		
MECHR25-2573	2026-02-11	Residential	1801 Orchard St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2572	2025-12-25	Residential	3020 Hilltop Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2570	2026-03-05	Residential	17 Englewood Ct	Mechanical (Residential)	General HVAC	`replace furnace 70000 btu`	replace furnace	No	No		
MECHR25-2567	2025-12-18	Residential	2855 Overridge Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-2549	2025-12-03	Residential	1 Hillside Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2547	2025-11-20	Residential	408 Second St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2538	2025-12-05	Residential	501 Soule Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2537	2026-03-07	Residential	28 Southwick Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2536	2025-12-12	Residential	2858 Aurora St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2535	2026-01-23	Residential	2115 Fair St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-2534	2025-11-26	Residential	1421 S University Ave	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR25-2532	2025-11-26	Residential	1419 S University Ave	Mechanical (Residential)	General HVAC	Replace furnace.	Replace furnace.	No	No		
MECHR25-2523	2025-12-25	Residential	3270 La Salle Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & GAS LINE TO STOVE		No	No		
MECHR25-2521	2025-11-21	Residential	2940 Lakehurst Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2518	2025-12-25	Residential	2835 Valley Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER (SAME LOCATION)		No	No		
MECHR25-2516	2025-12-08	Residential	602 Peninsula Ct	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR25-2514	2025-12-05	Residential	3138 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-2510	2026-01-24	Residential	2649 Fernwood Ave	Mechanical (Residential)	General HVAC	Installing a geothermal furnace on a vertical closed loop. Duct modifications.	Installing a geothermal furnace on a vertical closed loop. D	Yes	Yes	Geothermal	Geothermal
MECHR25-2508	2025-11-22	Residential	885 Greenhills Dr	Mechanical (Residential)	General HVAC	Furnace swap out	`Furnace swap-out / ReplacementInstall Humidifier`	No	No		
MECHR25-2507	2026-01-29	Residential	3264 Bluett Dr	Mechanical (Residential)	General HVAC	Install mini split system serving addition. Bath exhaust	Install mini split to addition and bath exhaust	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2502	2025-12-12	Residential	2516 James St	Mechanical (Residential)	General HVAC	Replace 70k furnace	Replace 70k btu furnace	No	No		
MECHR25-2500	2026-01-30	Residential	2111 Vinewood Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2499	2026-02-13	Residential	3034 Newcastle Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2497	2025-12-18	Residential	256 Lyn Anne Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2496	2026-01-25	Residential	1261 Creal Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE & REPLACE GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-2495	2025-11-27	Residential	1715 Newport Creek Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2494	2025-12-25	Residential	3115 Ailsa Craig	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2493	2025-11-27	Residential	311 Linda Vista Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2488	2025-12-18	Residential	5 Rockland Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-2485	2025-12-11	Residential	514 W Liberty St	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR25-2482	2025-11-07	Residential	3471 Burbank Dr	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR25-2479	2025-12-20	Residential	1051 Bluestem Ln	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2478	2025-11-27	Residential	663 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2477	2025-11-26	Residential	3118 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR25-2476	2025-11-09	Residential	624 Peninsula Ct	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-2473	2025-12-08	Residential	713 Catherine St	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-2472	2025-12-08	Residential	1021 Church St	Mechanical (Residential)	General HVAC	replace furnace add air conditioning	replace furnace add air conditioner	No	No		
MECHR25-2470	2025-11-22	Residential	436 Second St	Mechanical (Residential)	General HVAC	Replace mini-split		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2469	2025-11-25	Residential	1423 Iroquois Pl	Mechanical (Residential)	General HVAC	Install mini-split		Yes	Yes		Mini Split
MECHR25-2468	2026-03-13	Residential	508 Concord Pines Dr	Mechanical (Residential)	General HVAC	`Bath fan ductwork Cold air return cover Ductwork Heat/AC register Bathroom ventilation fan`	`Bath fan ductwork - flexible - insulated - 4" round - 10 LFC	No	No		
MECHR25-2465	2025-12-05	Residential	3348 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-2450	2025-12-14	Residential	530 Detroit St	Mechanical (Residential)	General HVAC	Adding ac unit	Adding Ac unit to existing furnace system	No	No		
MECHR25-2448	2025-12-17	Residential	2899 Atterberry Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-2444	2025-11-06	Residential	1 Regent Ct	Mechanical (Residential)	General HVAC	Install unit heater in greenhouse		No	No		
MECHR25-2441	2026-01-07	Residential	2251 Belmont Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER (ELECTRIC BY OTHERS)		No	No		
MECHR25-2440	2026-01-07	Residential	2628 Pin Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER (ELECTRIC BY OTHERS)		No	No		
MECHR25-2438	2025-11-27	Residential	3710 Fox Hunt Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE (ELEC BY OTHERS)		No	No		
MECHR25-2435	2025-11-13	Residential	2256 Pine Grove Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2429	2025-12-19	Residential	114 Ninth St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2428	2026-01-16	Residential	2878 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-2424	2025-11-27	Residential	1724 Dexter Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER (ELECTRIC BY OTHERS)		No	No		
MECHR25-2423	2025-12-05	Residential	2724 Colony Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2422	2025-12-13	Residential	3600 Fox Hunt Dr	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES	REPLACE 2 FURNACES	No	No		
MECHR25-2421	2025-10-30	Residential	2040 Columbia Ave	Mechanical (Residential)	General HVAC	install mitsubishi hyperheat system	installing Mitsubishi Hyperheat system	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2418	2025-10-28	Residential	2674 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	Furnace replacement	Furnace replacement	No	No		
MECHR25-2417	2025-11-06	Residential	3125 Lakehaven Dr	Mechanical (Residential)	General HVAC	Installation of a furnace.	Installation of a furnace.	No	No		
MECHR25-2416	2025-11-07	Residential	3625 Fox Hunt Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR25-2415	2025-11-20	Residential	3615 Ca Canny	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-2414	2025-11-18	Residential	507 W Jefferson St	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c and adding a humidifier	Replacing furnace, a/c and adding a humidifier	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2413	2026-01-24	Residential	1024 Robin Rd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-2411	2025-11-14	Residential	2250 N Circle Dr	Mechanical (Residential)	General HVAC	Replacing the furnace.		No	No		
MECHR25-2410	2025-12-18	Residential	709 Lawrence St	Mechanical (Residential)	General HVAC	furnace and liner replacement	furnace and liner replacement	No	No		
MECHR25-2409	2025-10-25	Residential	1113 Packard St	Mechanical (Residential)	General HVAC	AC replacement	AC replacement	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR25-2402	2025-12-05	Residential	3108 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-2391	2025-12-17	Residential	854 Asa Gray Dr	Mechanical (Residential)	General HVAC	replace furnace and ac/heat pump with new		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2387	2025-11-05	Residential	701 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR25-2385	2026-03-11	Residential	170 Ashley Mews	Mechanical (Residential)	General HVAC	Install furnace ADD: AC		No	No		
MECHR25-2384	2025-11-06	Residential	666 Trego Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2383	2025-11-06	Residential	2347 Timbercrest Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2381	2025-11-12	Residential	1414 Normandy Rd	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2380	2025-11-06	Residential	2704 Brockman Blvd	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR25-2379	2025-11-16	Residential	432 Fifth St	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR25-2353	2025-10-24	Residential	2026 Hall Ave	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR25-2351	2025-11-14	Residential	818 Center Dr	Mechanical (Residential)	General HVAC	INSTALL NEW MINI SPLIT SYSTEM		Yes	No		Mini Split
MECHR25-2341	2025-12-09	Residential	2148 Runnymede Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2340	2026-01-10	Residential	600 Dartmoor Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & REPAIR DUCTWORK		No	No		
MECHR25-2339	2025-11-27	Residential	622 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE WALL HEATER WITH HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2338	2025-11-27	Residential	431 Virginia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2337	2026-02-13	Residential	2010 Audubon Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2331	2026-01-09	Residential	432 Burr Oak Dr	Mechanical (Residential)	General HVAC	Installing a geothermal furnace on a vertical closed loop, Installing a heat pump water heater, Installing a humidifier.	Installing a geothermal furnace on a vertical closed loop, Ir	Yes	Yes	Geothermal	Geothermal
MECHR25-2329	2026-02-12	Residential	1885 Glenwood Rd	Mechanical (Residential)	General HVAC	Furnace install	Furnace install	No	No		
MECHR25-2327	2025-10-31	Residential	3480 Chelsea Cir	Mechanical (Residential)	General HVAC	AC Replacement	AC Replacement	No	No		
MECHR25-2324	2025-10-31	Residential	445 Skydale Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2323	2025-10-23	Residential	550 Bemidji Ct	Mechanical (Residential)	General HVAC	Mini=-split installation	Mini-split installation	Yes	No		Mini Split
MECHR25-2322	2026-03-21	Residential	552 Bemidji Ct	Mechanical (Residential)	General HVAC	Mini-split installation	Installation of a min-split.	Yes	No		Mini Split
MECHR25-2321	2025-11-09	Residential	2750 Page Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2320	2025-11-04	Residential	1308 Arborview Blvd	Mechanical (Residential)	General HVAC	INSTALL MINSPLIT HEAT PUMP		Yes	No		Mini Split
MECHR25-2319	2025-11-25 09:25:03	Residential	1024 Western Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-2311	2026-01-15	Residential	1707 Winsted Blvd	Mechanical (Residential)	General HVAC	Replace furnace and ac	replace furnace and ac	No	No		
MECHR25-2310	2026-02-25	Residential	1431 Golden Ave	Mechanical (Residential)	General HVAC	Install two ductless wall units for heat pump system. Install gas line for stove. Install exhaust fans. All for addition,	Install 2 ductless wall units served by heat pump. 2 exhaust fans. New gas line for stove. New addition.	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2307	2026-03-18	Residential	1118 Michigan Ave	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-2292	2025-10-15	Residential	2100 Springwood Ct	Mechanical (Residential)	General HVAC	Install Mini Split Unit 2 TON in the new summer room	Adding a mini split in the summer room	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2290	2026-02-27	Residential	1955 Boulder Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-2288	2026-01-13	Residential	3540 Sulgrave Pl	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-2278	2025-10-24	Residential	901 Gott St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2274	2025-10-29	Residential	2220 Placid Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR25-2268	2025-10-23	Residential	1715 Mershon Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER	REPLACE FURNACE AND CHIMNEY LINER	No	No		
MECHR25-2267	2025-11-23	Residential	1385 Northbrook Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C	Furnace and A/C Replacement	No	No		
MECHR25-2265	2025-11-07	Residential	1106 W Washington St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-2263	2026-01-24	Residential	1926 Day St	Mechanical (Residential)	General HVAC	`Install mini-split system Vent bath fan to outside`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2262	2025-10-17	Residential	2315 Fernwood Ave	Mechanical (Residential)	General HVAC	furnace and air conditioner reconnect	furnace and air conditioner reconnect	No	No		
MECHR25-2260	2025-11-06	Residential	2036 Cloverly Ln	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2258	2026-03-11	Residential	3745 Charter Pl	Mechanical (Residential)	General HVAC	Install new furnace, AC unit, and 50 gallon standard vent gas water heater with pan	Install new furnace, AC unit, and 50 gallon standard vent ga	No	No		
MECHR25-2256	2025-10-22	Residential	739 Gott St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2255	2025-10-22	Residential	518 N State St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2247	2025-10-28	Residential	24 Ridgeway St	Mechanical (Residential)	General HVAC	ADDING MINI SPLIT TO BEDROOM OVER GARAGE		Yes	No		Mini Split
MECHR25-2246	2025-10-22	Residential	766 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-2243	2025-10-03	Residential	418 Benjamin St	Mechanical (Residential)	General HVAC	*pay invoice* Replacement of furnace and AC unit, no new exterior work and no new connections.	Replacement of furnace and AC unit, no new exterior work	No	No		
MECHR25-2240	2025-11-26	Residential	3123 Overridge Dr	Mechanical (Residential)	General HVAC	`replace furnace 90000 btu`	replace furnace	No	No		
MECHR25-2237	2025-11-12	Residential	1333 Pontiac St	Mechanical (Residential)	General HVAC	`REPLACE FURNACE AND AIR CONDITIONER. `		No	No		
MECHR25-2232	2025-10-17	Residential	1408 Iroquois Pl	Mechanical (Residential)	General HVAC	Replace Furnace and A/C	Replace furnace and A/C	No	No		
MECHR25-2227	2025-11-27	Residential	780 Kuehnle Ave	Mechanical (Residential)	General HVAC	Replace AC.	Replace AC	No	No		
MECHR25-2221	2025-10-18	Residential	3224 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2220	2025-12-05	Residential	2738 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	Change out furnace and water heater		No	No		
MECHR25-2216	2026-03-15	Residential	708 Taylor St	Mechanical (Residential)	General HVAC	Duct Distribution, Bath and Kitchen Exhaust, Air Conditioning.	Duct Distribution, Bath and Kitchen Exhaust, Air Condition	No	No		
MECHR25-2211	2025-10-23	Residential	122 W Hoover Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-2209	2025-10-30	Residential	811 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-2206	2025-11-28	Residential	517 Cherry St	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR25-2205	2026-03-11	Residential	804 Sycamore Pl	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-2204	2026-03-14	Residential	2659 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace 2ton AC (exist-rear)	Replace 2ton AC (exist-rear)	No	No		
MECHR25-2202	2026-03-11	Residential	1118 Baldwin Ave	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-2197	2025-10-28	Residential	2005 E Stadium Blvd	Mechanical (Residential)	General HVAC	hot water tank	hvac hot water heater	No	No		
MECHR25-2185	2025-10-01	Residential	2130 Champagne Dr	Mechanical (Residential)	General HVAC	Install furnace and air conditioner		No	No		
MECHR25-2179	2025-10-22	Residential	2123 Carol Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2175	2025-10-05	Residential	2909 N Baylis Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2173	2026-03-20	Residential	1072 Morningside Dr	Mechanical (Residential)	General HVAC	Install a mini split heat pump system	Install a mini split heat pump system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2172	2025-11-27	Residential	2255 Indian Creek Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-2170	2026-01-07	Residential	502 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & INSTALL NEW AIR CONDITIONER		No	No		
MECHR25-2168	2025-10-18	Residential	1540 Waltham Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-2167	2025-10-05	Residential	3374 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-2165	2025-12-17 12:07:20	Residential	823 Miner St	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS MINI SPLIT - Electric by Others		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2159	2026-01-14	Residential	355 Larkspur St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONERR, AND WATER HEATER (NOT POWERVENT, NO ELEC. NEEDED FOR WATER HEATER)		No	No		
MECHR25-2158	2025-10-29 13:56:10	Residential	2730 Tuebingen Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-2155	2025-10-01	Residential	1319 S Forest Ave	Mechanical (Residential)	General HVAC	Install 2.5ton AC (new-side)	Install 2.5ton AC (new-side)	No	No		
MECHR25-2154	2025-11-23	Residential	3830 Windemere Dr	Mechanical (Residential)	General HVAC	Replace A/C - 4 ton	Replace A/C	No	No		
MECHR25-2153	2025-10-04	Residential	685 Ironwood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER	REPLACE FURNACE AND CHIMNEY LINER	No	No		
MECHR25-2151	2025-10-30	Residential	2745 Ember Way	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2150	2025-10-20 16:10:15	Residential	1876 Lindsay Ln	Mechanical (Residential)	General HVAC	replace AC	replace AC	No	No		
MECHR25-2147	2025-10-22	Residential	2015 Rugby Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2146	2026-01-09	Residential	3622 Oakwood St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2138	2025-10-18	Residential	2104 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2137	2025-10-05	Residential	3088 Cedarbrook Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2136	2025-10-30	Residential	2871 Marshall St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2134	2025-11-18	Residential	1631 Dicken Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2133	2025-11-04 15:35:18	Residential	1346 Geddes Ave	Mechanical (Residential)	General HVAC	Full replacement of HVAC system in townhome remodel. Furnace, ductwork, AC & bath fans	Full replacement of HVAC system in townhome remodel. F	No	No		
MECHR25-2132	2025-10-31	Residential	2660 Heather Way	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-2131	2026-01-15	Residential	820 Watershed Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR25-2126	2025-11-13	Residential	2150 Pauline Blvd 203	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-2125	2026-01-16	Residential	3077 N Foxridge Ct	Mechanical (Residential)	General HVAC	Replace 110k btu furnace	Replace 110k btu furnace	No	No		
MECHR25-2124	2025-09-26	Residential	2840 Briarcliff St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2122	2025-09-30	Residential	3116 Village Cir	Mechanical (Residential)	General HVAC	Furnace and humidifier installation	Furnace and humidifier installation	No	No		
MECHR25-2118	2025-12-12	Residential	1349 King George Blvd	Mechanical (Residential)	General HVAC	Install 9k btu mini split heat pump system	Install 9k btu heat pump (mini split system) and wall unit	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2112	2026-03-12	Residential	1021 Robin Rd	Mechanical (Residential)	General HVAC	`Adding baseboard to master bed and bath Adjust high velocity supplies to master bath and bathroom attached to bedroom Add cold air return to main vaulted space Install two bath fans (mstr bath/toilet closet) Install dryer vent Install range hood vent`	`Adding baseboard to master bed and bathAdjust high velo	No	No		
MECHR25-2105	2025-09-18	Residential	2156 Runnymede Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFER	No	No		
MECHR25-2104	2025-12-17	Residential	2701 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install AC.	Install AC.	No	No		
MECHR25-2103	2025-11-20	Residential	849 E University Ave	Mechanical (Residential)	General HVAC	Install new a/c, replace existing furnace		No	No		
MECHR25-2101	2025-11-20	Residential	845 E University Ave	Mechanical (Residential)	General HVAC	Install new A/C unit, replace existing furnace		No	No		
MECHR25-2100	2025-10-18	Residential	1300 Pepper Pike Rd	Mechanical (Residential)	General HVAC	Replace A/C	A/C replacement	No	No		
MECHR25-2095	2025-10-02	Residential	1534 Barrington Pl	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2092	2025-10-10 14:34:21	Residential	1908 Austin Ave	Mechanical (Residential)	General HVAC	2 furnaces and acs	2 furnace and acs	No	No		
MECHR25-2091	2025-12-24	Residential	1600 Long Shore Dr	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS MINI SPLIT		Yes	No		Mini Split
MECHR25-2085	2025-10-02	Residential	1310 Iroquois Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2083	2025-12-18	Residential	303 Riverview Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-2081	2025-10-05	Residential	2055 Churchill Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2078	2025-12-05	Residential	1405 Culver Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2077	2025-11-18	Residential	1129 Birk Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2076	2025-10-05	Residential	515 Manor Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2075	2025-09-25	Residential	2040 Tibbitts Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-2074	2025-12-18	Residential	710 Watershed Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & INSTALL DUCTLESS HEAT PUMP TO MASTER BEDROOM		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-2071	2025-12-18	Residential	905 Berkshire Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2069	2025-12-18	Residential	1225 Morehead Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-2067	2025-10-16	Residential	1474 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND 15' RETURN AIR TRUNK	REPLACE FURNACE AND 15' OF RETURN AIR TRUNK	No	No		
MECHR25-2062	2025-09-26	Residential	4012 Glacier Hills Dr	Mechanical (Residential)	General HVAC	Villa #4012 furnace and ac installation	Furnace and ac installation	No	No		
MECHR25-2060	2025-10-02	Residential	1412 Henry St	Mechanical (Residential)	General HVAC	`Mini Split Rock Electrical to do the wiring and electrical permit`		Yes	No		Mini Split
MECHR25-2059	2025-10-02	Residential	1327 Broadway St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-2057	2025-10-16	Residential	2551 Elmwood Ave	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-2054	2025-10-12	Residential	2654 Page Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2052	2025-10-15	Residential	3232 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, INSTALL HEAT PUMP, AND HUMIDIFIER		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-2051	2026-02-20	Residential	429 Sumark Way	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-2039	2025-10-23	Residential	2205 Carol Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-2038	2025-10-10	Residential	2866 Sorrento Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-2037	2025-10-01	Residential	1215 Broadway St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER AND GAS WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-2036	2025-09-27	Residential	6 Metroview Ct	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Existing furnace	No	No		
MECHR25-2031	2025-09-19	Residential	436 S First St	Mechanical (Residential)	General HVAC	Replace furnace and add a/c	Replace furnace and add new a/c	No	No		
MECHR25-2027	2025-09-19	Residential	1310 S Seventh St	Mechanical (Residential)	General HVAC	Replace furnace and a/c	Replace furnace and add a/c	No	No		
MECHR25-2021	2025-09-18	Residential	2156 Runnymede Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-2020	2025-12-17	Residential	3203 Asher Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2019	2025-10-08	Residential	492 Colin Cir	Mechanical (Residential)	General HVAC	New furnace, AC, coil, air cleaner, humidifer install	AC condensing unit replaced	No	No		
MECHR25-2018	2025-09-18	Residential	1530 Cedar Bend Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-2017	2025-10-05	Residential	3606 Chatham Way	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-2016	2025-09-17	Residential	1500 Glen Leven Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-2014	2025-09-26	Residential	1108 Prospect St	Mechanical (Residential)	General HVAC	add a/c	install a/c	No	No		
MECHR25-2013	2025-09-10	Residential	3020 Barclay Way	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR25-2012	2025-10-02	Residential	421 Virginia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-2011	2025-11-18	Residential	313 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-2009	2025-11-19	Residential	1716 Glastonbury Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-2004	2025-10-08	Residential	579 Glendale Cir	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR25-1995	2026-03-19	Residential	333 Riverview Dr	Mechanical (Residential)	General HVAC	`Install furnace Install ductwork Install 2- mini splits`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1994	2025-10-18	Residential	1962 Independence Blvd	Mechanical (Residential)	General HVAC	Replace 90K furnace, humidifier, and 3ton AC (exist-rear)	Replace 90K furnace, humidifier, and 3ton AC (exist-rear)	No	No		
MECHR25-1990	2025-09-26	Residential	2350 Delaware Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1986	2025-11-12	Residential	1608 Shadford Rd	Mechanical (Residential)	General HVAC	Furnace and AC install	Install Furnace and AC	No	No		
MECHR25-1984	2025-09-30	Residential	1020 Pauline Blvd	Mechanical (Residential)	General HVAC	INSTALL AIR HANDLER, AIR CONDITIONER AND DUCT WORK		No	No		
MECHR25-1983	2025-11-20	Residential	1503 Granger Ave	Mechanical (Residential)	General HVAC	Install furnace, AC, ductwork and gas piping	Install new HVAC system with ductwork and a gas line	No	No		
MECHR25-1981	2026-01-07	Residential	2285 S Main St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1976	2026-01-10	Residential	2220 Londonderry Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1973	2025-10-18	Residential	2983 Briarcliff St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1972	2025-11-19	Residential	1503 Brooklyn Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1969	2025-09-11	Residential	2518 Whitetail Run Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1968	2025-09-05	Residential	1816 Ferdon Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1967	2025-10-18	Residential	2906 Renfrew St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & FAN COIL		No	No		
MECHR25-1963	2025-10-15	Residential	408 Wesley St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-1962	2025-09-17	Residential	2615 Lillian Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1961	2025-09-21	Residential	3118 Bluett Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1959	2025-11-12	Residential	607 Westwood Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1958	2025-09-16	Residential	1895 Wiltshire Dr	Mechanical (Residential)	General HVAC	Mini Split		Yes	No		Mini Split
MECHR25-1956	2025-10-22 13:15:09	Residential	418 W Madison St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1950	2026-02-05	Residential	2070 Chalmers Dr	Mechanical (Residential)	General HVAC	A/C & FURNACE REPLACEMENT (RE-CONNECT)	A/C & FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-1946	2025-09-28	Residential	2736 Beacon Hill St	Mechanical (Residential)	General HVAC	Replace/install ductless mini split.	Replace ductless mini split heat pump.	Yes	Yes		Mini Split
MECHR25-1945	2026-02-19	Residential	811 Bruce St	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-1944	2026-02-04	Residential	2746 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1931	2025-10-08	Residential	3345 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR25-1927	2025-09-17	Residential	628 Peninsula Ct	Mechanical (Residential)	General HVAC	REPLACE THROUGH THE WALL AC AND FURNACE		No	No		
MECHR25-1923	2025-09-11	Residential	1808 Baldwin Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AC AND HUMIDIFIER	REPLACE FURNAC, AC AND HUMIDIFIER	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1921	2025-10-12	Residential	2734 Maplewood Ave	Mechanical (Residential)	General HVAC	Mitsubishi single zone standard heat heat pump		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1919	2025-12-25	Residential	1128 Olivia Ave	Mechanical (Residential)	General HVAC	INSTALL NEW MINI SPLIT HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1905	2025-10-01	Residential	2116 Liberty Hts	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1903	2025-09-17	Residential	2986 Atterberry Dr	Mechanical (Residential)	General HVAC	REPLACE AC & COIL		No	No		
MECHR25-1902	2025-11-09	Residential	3226 Williamsburg Rd	Mechanical (Residential)	General HVAC	replace 2# AC	replace lennox 2 # AC	No	No		
MECHR25-1901	2025-09-03	Residential	3944 Waldenwood Dr	Mechanical (Residential)	General HVAC	Replace 100K furnace and liner	Replace 100K furnace and liner	No	No		
MECHR25-1899	2025-08-27	Residential	1800 Crestland Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1898	2025-08-20	Residential	1222 Arella Blvd	Mechanical (Residential)	General HVAC	REPLACE A/C	REPLACE A/C	No	No		
MECHR25-1897	2025-08-20	Residential	2709 Radcliffe Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & A/C	REPLACE FURNACE & A/C	No	No		
MECHR25-1896	2025-09-11	Residential	1801 Sunrise St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1895	2025-09-05	Residential	2271 Placid Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1893	2025-09-25	Residential	310 Arbana Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1892	2025-09-11	Residential	1122 Pomona Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1890	2025-10-02	Residential	1350 Emily Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1888	2025-10-30	Residential	1411 Avondale Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1886	2026-01-25	Residential	1450 Kearney Rd	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR25-1883	2026-03-24	Residential	526 Fifth St	Mechanical (Residential)	General HVAC	Two Furnaces, AC"s and Ducting	Two Furnaces, AC'S , Ducting, and Exhaust	No	No		
MECHR25-1882	2026-01-16	Residential	920 Lincoln Ave	Mechanical (Residential)	General HVAC	Replace heat pump air handler		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1881	2025-09-14	Residential	208 Beakes St	Mechanical (Residential)	General HVAC	install a/c		No	No		
MECHR25-1880	2025-09-20	Residential	2187 Georgetown Blvd	Mechanical (Residential)	General HVAC	Removing furnace & AC - replacing with air handler and a heat pump.		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1879	2025-10-16	Residential	1718 Chandler Rd	Mechanical (Residential)	General HVAC	Replacement of existing HVAC equipment.	Replacing existing furnace and AC, reconnecting to prior c	No	No		
MECHR25-1877	2025-08-31	Residential	2725 Radcliffe Ave	Mechanical (Residential)	General HVAC	Removal of old A/C and Furnace and Installation of NEW A/C and Furnace with electrical reconnect to both units		Yes	Yes		Unspecified
MECHR25-1873	2025-10-15	Residential	2622 Yost Blvd	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR25-1872	2025-09-16	Residential	1203 Hutchins Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1863	2025-08-29	Residential	1018 Western Dr	Mechanical (Residential)	General HVAC	Remove and replace furnace, ac and wh		No	No		
MECHR25-1861	2025-08-21	Residential	2421 Pinecrest Ave	Mechanical (Residential)	General HVAC	Air conditioner replacement	replace air conditioner	No	No		
MECHR25-1860	2025-10-17	Residential	2125 Ardenne Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1859	2025-10-03	Residential	2820 Tuebingen Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1858	2025-09-24	Residential	843 Greenhills Dr	Mechanical (Residential)	General HVAC	Replacing the a/c coil and condenser	Replacing the a/c	No	No		
MECHR25-1852	2025-09-12	Residential	2882 Braeburn Cir	Mechanical (Residential)	General HVAC	replacement ac	replacement ac	No	No		
MECHR25-1851	2025-09-12	Residential	2607 Braeburn Cir	Mechanical (Residential)	General HVAC	replacement ac	replacement ac	No	No		
MECHR25-1850	2025-09-12	Residential	2937 Braeburn Cir	Mechanical (Residential)	General HVAC	replacement ac	replacement ac	No	No		
MECHR25-1849	2025-09-12	Residential	2826 Braeburn Cir	Mechanical (Residential)	General HVAC	replacement ac	replacement ac	No	No		
MECHR25-1848	2025-09-12	Residential	2939 Braeburn Cir	Mechanical (Residential)	General HVAC	replacement ac	replacement ac	No	No		
MECHR25-1846	2025-09-21	Residential	2083 Georgetown Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1845	2025-09-12	Residential	1613 E Stadium Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1844	2025-12-18	Residential	1717 Jackson Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1843	2025-09-17	Residential	2425 Adare Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1841	2025-09-30	Residential	1425 W Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1827	2025-11-09	Residential	1811 Charlton Ave	Mechanical (Residential)	General HVAC	replacing furnace, ac, water tank and ductwork	second story addition	No	No		
MECHR25-1826	2025-11-07	Residential	3012 Birch Hollow Dr	Mechanical (Residential)	General HVAC	AC and Furnace Replacement	AC & Furnace Replacement	No	No		
MECHR25-1825	2026-03-05	Residential	1512 Shadford Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1822	2025-09-25	Residential	1212 Chapel Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-1821	2025-08-29	Residential	1939 Brock Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1820	2025-09-19	Residential	1420 Morton Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1819	2025-08-29	Residential	1200 Linwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1817	2025-10-23	Residential	116 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1816	2025-08-17	Residential	2650 Geddes Ave	Mechanical (Residential)	General HVAC	REPLACEMENT OF FURNACE AND AIR CONDITIONER (SAME LOCATION)		No	No		
MECHR25-1815	2025-08-21	Residential	2260 Prairie St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1814	2026-01-30	Residential	2632 Traver Blvd	Mechanical (Residential)	General HVAC	replace air conditioner with an heat pump	replace air conditioner with heat pump	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1813	2025-08-21	Residential	431 S Ashley St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR25-1811	2025-11-15	Residential	2849 Barclay Way	Mechanical (Residential)	General HVAC	AC REPLACEMENT	AC REPLACEMENT	No	No		
MECHR25-1806	2025-08-12	Residential	514 E Kingsley St 1	Mechanical (Residential)	General HVAC	replace a/c	replace a/c	No	No		
MECHR25-1805	2025-08-15	Residential	1204 Brooks St	Mechanical (Residential)	General HVAC	Furnace, air conditioner, chimney liner, air cleaner and humidifier installation	Chimney liner, furnace, ir conditioner humidifier and air cl	No	No		
MECHR25-1803	2025-09-13	Residential	447 Hilldale Dr	Mechanical (Residential)	General HVAC	replace furnace and ac		No	No		
MECHR25-1798	2025-08-16	Residential	915 Evelyn Ct	Mechanical (Residential)	General HVAC	replace ductless AC	replace ductless AC	No	No		
MECHR25-1797	2025-08-16	Residential	913 Evelyn Ct	Mechanical (Residential)	General HVAC	replace AC	replace ductless AC	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1792	2025-08-07	Residential	1231 Naples Ct	Mechanical (Residential)	General HVAC	Furnace & water heater change out	Change out furnace & water heater	No	No		
MECHR25-1791	2025-09-10	Residential	2006 Stanley Ave	Mechanical (Residential)	General HVAC	*fees due* REPLACE AIR HANDLER AND AIR CONDITIONER		No	No		
MECHR25-1784	2025-08-22	Residential	626 Hiscock St	Mechanical (Residential)	General HVAC	70K BTU FURNACE REPLACEMENT		No	No		
MECHR25-1783	2025-09-11	Residential	553 S First St	Mechanical (Residential)	General HVAC	Mini-split installation	Installation of a single head mini-split in the historical district.	Yes	Yes		Mini Split
MECHR25-1781	2025-08-29	Residential	824 Arch St	Mechanical (Residential)	General HVAC	Remove and replace both A/C's and one furnace		No	No		
MECHR25-1778	2025-08-26	Residential	681 Center Dr	Mechanical (Residential)	General HVAC	replacement furnace only	replacement furnace	No	No		
MECHR25-1776	2026-01-10	Residential	2344 Fernwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1769	2025-12-12	Residential	780 Heather Way	Mechanical (Residential)	General HVAC	Condenser and evaporator coil replacement.	Condenser and Evaporator Coil Replacement - Connectior	No	No		
MECHR25-1766	2025-09-13	Residential	3665 Eli Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1765	2025-09-12	Residential	2565 Bedford Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1761	2025-08-27	Residential	2964 Philadelphia Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1760	2025-11-04	Residential	2621 Pin Oak Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-1759	2025-12-18	Residential	907 Sybil St	Mechanical (Residential)	General HVAC	Replacement of existing furnace and AC.		No	No		
MECHR25-1756	2025-08-31	Residential	1000 Catherine St	Mechanical (Residential)	General HVAC	install Furnace and AC	install furnace and AC	No	No		
MECHR25-1748	2025-11-05	Residential	441 Parkwood St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1747	2025-08-29	Residential	601 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE AIR HANDLER AND AIR CONDITIONER		Yes	Yes		Unspecified
MECHR25-1745	2025-10-01	Residential	1709 Hanover Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1741	2025-10-15	Residential	2607 Whitewood St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH NEW.	REPLACE AIR CONDITIONING WITH NEW.	No	No		
MECHR25-1740	2025-10-03 13:51:00	Residential	547 Long Shore Dr A	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR25-1738	2025-11-07	Residential	580 Rock Creek Dr	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-1736	2025-09-11	Residential	821 Bruce St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1734	2025-12-16	Residential	431 Spring St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-1731	2025-10-17	Residential	1603 Abbott Ave	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR25-1730	2025-08-20	Residential	1220 Severn Ct	Mechanical (Residential)	General HVAC	`ETRACKit - MECH20-2675 REPLACE GAS FURNACE`		No	No		
MECHR25-1727	2025-08-14	Residential	2266 Stellar Rd	Mechanical (Residential)	General HVAC	AC installation	AC installation	No	No		
MECHR25-1726	2025-08-14	Residential	3044 Forest Creek Ct	Mechanical (Residential)	General HVAC	AC installation	AC installation	No	No		
MECHR25-1725	2025-09-11	Residential	111 N Revena Blvd	Mechanical (Residential)	General HVAC	AC installation	AC installation	No	No		
MECHR25-1724	2025-09-24	Residential	2105 Jackson Ave	Mechanical (Residential)	General HVAC	Furnace install *replacement for 2105 Jackson Ave*	Furnace install	No	No		
MECHR25-1720	2025-09-18	Residential	1515 Jackson Ave	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER WITH A NEW 240V CIRCUIT		No	No		
MECHR25-1718	2025-08-05	Residential	2420 Yorkshire Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1717	2025-09-05	Residential	714 Mt Pleasant Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1716	2025-08-09	Residential	2031 Fair St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1714	2025-09-05	Residential	1919 Ivywood Dr	Mechanical (Residential)	General HVAC	REPLACE A/C		No	No		
MECHR25-1713	2025-11-27	Residential	308 Arbana Dr	Mechanical (Residential)	General HVAC	Replace 2 Furnaces and 2 heat pumps		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1712	2025-09-20	Residential	2641 Fenwick Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1711	2025-11-05	Residential	1496 Maywood Ave	Mechanical (Residential)	General HVAC	`New Mini Split install Rock Electrical doing the wiring and electrical permit.`		Yes	No		Mini Split
MECHR25-1710	2025-09-27	Residential	1505 Martha Ave	Mechanical (Residential)	General HVAC	2 zone standard Mitsubishi heat pump system		Yes	No	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1709	2025-08-27	Residential	3765 Glazier Way	Mechanical (Residential)	General HVAC	air conditioner replacement	replace air conditioner	No	No		
MECHR25-1708	2025-09-04	Residential	1455 Ravenwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1707	2025-09-04	Residential	130 Worden Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1705	2025-08-19	Residential	2229 Pontiac Trl	Mechanical (Residential)	General HVAC	Replacement of all of the following Furnace, AC Unit and Water Heater	Replacing Furnace, AC Unit and Hot Water Heater	No	No		
MECHR25-1699	2025-11-02	Residential	2681 Page Ave	Mechanical (Residential)	General HVAC	replace 3 ton aC	replace AC	No	No		
MECHR25-1698	2025-08-23	Residential	1621 Harbal Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1696	2026-01-28	Residential	3404 Burbank Dr	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-1695	2025-10-02	Residential	1801 Baldwin Ave	Mechanical (Residential)	General HVAC	Replace A/C and coil		No	No		
MECHR25-1694	2026-02-06	Residential	707 Miner St	Mechanical (Residential)	General HVAC	New HVAC system	`Replace furnace and AC.Modify ductwork.`	No	No		
MECHR25-1692	2026-01-30	Residential	609 Susan Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1691	2025-09-13	Residential	608 Soule Blvd	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1686	2025-09-07	Residential	1144 Aberdeen Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install 3 ton air handler and new condenser	No	No		
MECHR25-1683	2025-10-15	Residential	1387 Marlborough Dr	Mechanical (Residential)	General HVAC	`replace 2.5# AC Lennox ML13kc1`	replace 2.5# AC	No	No		
MECHR25-1682	2025-08-17	Residential	2029 Ferdon Rd	Mechanical (Residential)	General HVAC	Replace old 80% furnace with a 96% 60mbh model. Add 2 Ton AC system. Electrical to be completed by electrican.	Replace old 80% furnace with a 96% 60mbh model. Add 2	No	No		
MECHR25-1681	2025-12-05	Residential	415 Manor Dr	Mechanical (Residential)	General HVAC	Replace AC Unit	Replace AC unit	No	No		
MECHR25-1680	2026-01-16	Residential	1510 Chandler Rd	Mechanical (Residential)	General HVAC	install 2 zone ductless mini-split heat pump system	installing 2 zone ductless mini-split heat pump	Yes	Yes	Mini-Splits (primary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1679	2025-08-26	Residential	310 N Thayer St	Mechanical (Residential)	General HVAC	`Installing 2new bathroom exhaust fans Replacing old steam boiler with new HVAC systems for each unit`	Installing complete HVAC system in each unit and one new	No	No		
MECHR25-1674	2025-10-08	Residential	2924 W Whittier Ct	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-1673	2025-07-30	Residential	1390 Marlborough Dr	Mechanical (Residential)	General HVAC	Replacing the a/c	Replacing the a/c	No	No		
MECHR25-1672	2025-08-12	Residential	310 Beakes St	Mechanical (Residential)	General HVAC	replace furnace add air in unit 2		No	No		
MECHR25-1671	2025-09-11	Residential	680 Vine Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-1664	2025-08-16	Residential	907 Fifth St	Mechanical (Residential)	General HVAC	REPLACE AC AND HUMIDIFIER	REPLACE AC AND HUMIDIFIER	No	No		
MECHR25-1662	2025-09-13	Residential	325 W Keech Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1659	2025-08-02	Residential	275 Briarcrest Dr 184	Mechanical (Residential)	General HVAC	REPLACE PKG UNIT		No	No		
MECHR25-1657	2025-08-09	Residential	996 Catherine St	Mechanical (Residential)	General HVAC	replace existing ac with new one		No	No		
MECHR25-1656	2026-01-23	Residential	2921 E Whittier Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1652	2025-09-11	Residential	1010 Duncan St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1651	2025-09-04	Residential	3393 Cromwell Rd	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-1650	2025-08-23	Residential	1940 Ivywood Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1649	2025-12-05	Residential	1505 E Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE FAN COIL & AIR CONDITIONER (ATTIC)		No	No		
MECHR25-1648	2025-09-04	Residential	208 Montgomery Ave	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1644	2025-10-07	Residential	3093 N Foxridge Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-1641	2026-03-13	Residential	2417 Colony Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1640	2026-01-29	Residential	2170 Ardenne Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1639	2025-12-17	Residential	3009 Bolgos Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1638	2025-08-27	Residential	6 Southwick Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1637	2025-09-06	Residential	2365 Adare Rd	Mechanical (Residential)	General HVAC	install mini-split heat pump.	INSTALL MINI-SPLIT HEAT PUMP	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1617	2025-08-27	Residential	3215 Foxway Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR25-1616	2026-01-13	Residential	2185 Mershon Dr	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR25-1615	2025-09-24	Residential	3119 Wolverine Dr	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR25-1612	2025-08-21	Residential	1505 Morton Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1611	2025-09-05	Residential	1210 Henry St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1610	2025-10-05	Residential	1617 Shadford Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1609	2025-08-01	Residential	1906 Winsted Blvd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1608	2025-09-11	Residential	1412 Russell Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1607	2025-10-18	Residential	552 Fifth St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & furnace		No	No		
MECHR25-1606	2025-10-18	Residential	1950 Coronada Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1605	2025-08-13	Residential	1909 Day St	Mechanical (Residential)	General HVAC	Install mini-split system to 2nd floor		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1602	2025-08-23	Residential	2443 Dundee Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1601	2025-09-19	Residential	287 Highlake Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1600	2025-08-10	Residential	1620 Newport Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1598	2025-09-25	Residential	2830 Ember Way	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1594	2025-08-21	Residential	2547 Bunker Hill Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1593	2025-08-22	Residential	3201 Pinebluff Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1592	2025-09-05	Residential	690 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1583	2025-09-11	Residential	860 Starwick Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1582	2025-10-02	Residential	2836 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1581	2025-08-29	Residential	1417 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1580	2025-08-16	Residential	1517 Wells St	Mechanical (Residential)	General HVAC	REPLACE 2 AC'S	REPLACE 2 AC'S	No	No		
MECHR25-1577	2025-08-10	Residential	2946 W Whittier Ct	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1571	2025-10-01	Residential	2951 Lakehurst Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1569	2025-09-11	Residential	1375 Bardstown Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1568	2025-08-23	Residential	2215 Yorktown Dr	Mechanical (Residential)	General HVAC	furnace & heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1567	2025-10-31	Residential	3276 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-1566	2025-08-05	Residential	117 Fairview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-1564	2025-09-05	Residential	1225 S Forest Ave	Mechanical (Residential)	General HVAC	Replace furnace, air conditoner	Replace furnace and air conditioner	No	No		
MECHR25-1561	2026-01-16	Residential	2228 Medford Rd	Mechanical (Residential)	General HVAC	Replace 2 ton Condenser and Coil and 60K BTU furnace and humidifier	Replace 60K BTU furnace, 2 ton AC and Coil and humidifie	No	No		
MECHR25-1560	2025-08-23	Residential	3615 Windemere Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1559	2025-08-12	Residential	426 Ryan Rd	Mechanical (Residential)	General HVAC	2 1/2 ton air conditioner replacement	2 1/2 ton air conditioner replacement	No	No		
MECHR25-1557	2025-08-30	Residential	717 Arbor St	Mechanical (Residential)	General HVAC	Installing complete new HVAC system for each unit including gas lines	Installing all new furnace,ac ,exhaust fan and vent and new	No	No		
MECHR25-1554	2025-09-11	Residential	1709 Saxon St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1546	2025-08-19	Residential	531 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1544	2025-08-16	Residential	2711 Canterbury Rd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT & WALL UNIT		Yes	No		Mini Split
MECHR25-1543	2025-10-31	Residential	3452 Chelsea Cir	Mechanical (Residential)	General HVAC	AC Replacement	AC Replacement	No	No		
MECHR25-1541	2025-10-01	Residential	927 Red Oak Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-1538	2025-10-05	Residential	2890 Ticknor Ct	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1537	2025-09-12	Residential	2648 Prairie St	Mechanical (Residential)	General HVAC	Remove and replace A/C		No	No		
MECHR25-1533	2025-08-05	Residential	2365 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1532	2025-07-29	Residential	1109 Red Oak Rd	Mechanical (Residential)	General HVAC	mini-split	Mini-Split Install 1 - 30k btu heat pump, 2 - 9k btu wall mount head units, 1 24k btu heat pump with 1 wall mount	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1528	2025-12-20	Residential	604 Brierwood Ct	Mechanical (Residential)	General HVAC	`Rework gas line, vent kitchen exhaust, gas line to fire place, vent dryer, install mini-split heat pump`		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1527	2025-08-27	Residential	1331 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1525	2025-08-20	Residential	3358 Braeburn Cir	Mechanical (Residential)	General HVAC	`Install New A/C (Rock Electrical to do the wiring of the New A/C )`		No	No		
MECHR25-1524	2025-10-15	Residential	608 Catherine St	Mechanical (Residential)	General HVAC	`Replace Furnace Install New A/C (Rock Electrical doing electrical for A/C)`		No	No		
MECHR25-1523	2026-01-14	Residential	1029 N Maple Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1522	2025-08-20	Residential	2120 Ardenne Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1521	2025-08-20	Residential	3408 Cromwell Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1519	2025-12-12	Residential	2866 Leslie Park Cir	Mechanical (Residential)	General HVAC	Replace 4 ton Condenser and Coil - existing location and 120K BTU furnace	Replace 4 ton Condenser and Coil and 120K BTU furnace	No	No		
MECHR25-1517	2025-09-27	Residential	1395 S Folkstone Ct	Mechanical (Residential)	General HVAC	Duct work and Heat Pump	Duct work, Heat pump, vent kitchen exhaust, vent bath fan	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1513	2025-08-20	Residential	3291 Turnberry Ln	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR25-1512	2025-08-05	Residential	1211 Arella Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1511	2025-08-06	Residential	826 Edgewood Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1509	2026-02-08	Residential	3304 Oakwood St	Mechanical (Residential)	General HVAC	Furnace and AC installed, replace existing - ELEC puled by Snider Elec		No	No		
MECHR25-1508	2025-08-08	Residential	3063 Ailsa Craig	Mechanical (Residential)	General HVAC	Remove and replace furnace, A/C and WH		No	No		
MECHR25-1506	2025-08-21 15:32:28	Residential	207 N Division St	Mechanical (Residential)	General HVAC	Furnace,bath fans replacement and adding Ac system	Furnace,bath fans replacement and adding Ac system	No	No		
MECHR25-1501	2025-08-16	Residential	2529 Meade Ct	Mechanical (Residential)	General HVAC	Air conditioner replacement	Air conditioner replacement	No	No		
MECHR25-1499	2025-08-20	Residential	2955 Hilltop Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1498	2025-09-21	Residential	1968 Lindsay Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1495	2025-09-20	Residential	2906 N Knightsbridge Cir	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1490	2025-09-05	Residential	3388 Burbank Dr	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR25-1489	2025-09-26	Residential	1961 Upland Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1486	2025-07-25	Residential	1418 Henry St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1485	2025-11-13	Residential	201 N Fourth Ave	Mechanical (Residential)	General HVAC	replace furnace a/c duct work and vent 2 bath fans		No	No		
MECHR25-1483	2025-09-04	Residential	2942 Hunley Dr	Mechanical (Residential)	General HVAC	replace 2 # AC	replace AC	No	No		
MECHR25-1481	2025-12-06	Residential	749 Watersedge Dr	Mechanical (Residential)	General HVAC	AC Swap	Swap Out AC System	No	No		
MECHR25-1480	2025-08-06	Residential	741 Skynob Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1478	2025-10-02	Residential	750 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1477	2025-08-16	Residential	1203 Linwood Ave	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1473	2025-08-29	Residential	1860 Independence Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR25-1472	2025-08-01	Residential	609 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1469	2025-11-06	Residential	1021 Maiden Ln	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1468	2025-07-17	Residential	523 Linden St	Mechanical (Residential)	General HVAC	Replace the existing furnace and AC.	Replacement of the existing furnace and ac.	No	No		
MECHR25-1467	2025-09-05	Residential	628 Trego Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1461	2025-08-09	Residential	1270 Kuehnle Ct	Mechanical (Residential)	General HVAC	Furnace replacement	Furnace replacement	No	No		
MECHR25-1459	2025-08-01	Residential	3975 Penberton Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1456	2025-08-02	Residential	1456 Greenview Dr	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT (RE-CONNECT)	FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-1455	2025-07-30	Residential	2303 Kent St	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1454	2025-09-05	Residential	227 Murray Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1451	2025-07-23	Residential	2355 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1449	2025-08-10	Residential	2602 Traver Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1448	2025-08-17	Residential	1270 Morehead Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-1442	2025-07-25	Residential	3850 Wynnstone Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR25-1440	2025-09-19	Residential	1852 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1437	2025-08-27	Residential	1740 Sheridan Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1436	2025-08-20	Residential	2825 Lakehurst Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1435	2025-08-02	Residential	3155 Wolverine Dr	Mechanical (Residential)	General HVAC	Replace/install AC.	Replace/install ac	No	No		
MECHR25-1433	2025-07-23 14:27:09	Residential	1063 Young Pl	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1432	2025-09-10	Residential	2634 Page Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1431	2025-07-31	Residential	2520 Hawthorn Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1429	2025-08-01	Residential	1120 Fairmount Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1428	2025-08-09	Residential	1708 Barrington Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1427	2025-08-09	Residential	1111 Olden Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1426	2025-08-29	Residential	2424 Walter Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1425	2025-08-17	Residential	1017 Woodbridge Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1421	2025-08-23	Residential	806 Center Dr	Mechanical (Residential)	General HVAC	REPLACE AC & FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1420	2025-08-17	Residential	2350 Adare Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1419	2025-07-20	Residential	1051 Maiden Ln	Mechanical (Residential)	General HVAC	Replace furnace and AC in single-family rental home. No changes to wiring, ductwork, gasline or exterior work.	Replace furnace and AC in single family rental home.	No	No		
MECHR25-1413	2025-07-30	Residential	642 N Fourth Ave	Mechanical (Residential)	General HVAC	replace furnace andac on third fl		No	No		
MECHR25-1410	2025-11-19	Residential	229 Buena Vista Ave	Mechanical (Residential)	General HVAC	addition HVAC system, Mini split	adding a mini split in bedrooms	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1408	2025-07-11	Residential	512 Potter Ave	Mechanical (Residential)	General HVAC	Install mini split heat pump system	Install a mini split heat pump system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1407	2025-10-05	Residential	1023 Young Pl	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1406	2025-11-14	Residential	2412 Shannondale Rd	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1403	2025-10-19	Residential	1609 Cambridge Rd	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1402	2025-07-05	Residential	642 Watersedge Dr	Mechanical (Residential)	General HVAC	Furnace Replacement	Replace existing furnace with a new Goodman furnace.	No	No		
MECHR25-1400	2025-07-26	Residential	3270 Bolgos Cir	Mechanical (Residential)	General HVAC	Replace air conditioner	Replace air conditioner	No	No		
MECHR25-1399	2025-12-17	Residential	3700 Riverside Dr	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR25-1395	2025-08-20	Residential	3334 Rosedale St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1384	2025-10-01 15:44:42	Residential	2354 Delaware Dr	Mechanical (Residential)	General HVAC	`Installing a mini split in addition. Installing a range hood vent in kitchen. Adjusting two supply runs for remodel.`	`Installing a mini split in addition. Installing a range hood vent in kitchen. Adjusting two supply runs for remodel.`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1383	2025-12-08 13:07:36	Residential	2425 Placid Way	Mechanical (Residential)	General HVAC	HVAC: install bath fan venting for 3 fans, install kitchen exhaust vent on existing hood, extend existing supply		No	No		
MECHR25-1382	2025-08-22	Residential	2120 Hall Ave	Mechanical (Residential)	General HVAC	Replace AC Unit	Replace AC Unit	No	No		
MECHR25-1381	2025-09-03	Residential	700 Greenhills Dr	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-1380	2025-08-17	Residential	1251 King George Blvd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1376	2025-11-27	Residential	1041 N Main St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND ADDING NEW AIR CONDITIONER WITH A NEW 240V CIRCUIT		No	No		
MECHR25-1375	2025-06-29	Residential	507 W Keech Ave	Mechanical (Residential)	General HVAC	Install a mini split heat pump system	Install a mini split heat pump system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1373	2025-09-25	Residential	900 Pine Tree Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1372	2025-11-04	Residential	2383 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1371	2025-07-18	Residential	1237 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1370	2025-07-19	Residential	2738 Barclay Way	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1369	2025-08-07	Residential	2276 Hickory Point Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1368	2025-07-23	Residential	2853 Bellwood Ave	Mechanical (Residential)	General HVAC	Install mini-split for 2nd floor bedroom	Install Mini-Split for 2nd Floor bedroom	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1367	2025-08-20	Residential	1621 Granger Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1365	2025-08-29	Residential	1709 Maryfield Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-1361	2025-09-05	Residential	3083 Bluett Rd	Mechanical (Residential)	General HVAC	Replacement of furnace and air conditioner.	Replace Furnace and Air Conditioner	No	No		
MECHR25-1360	2025-07-14	Residential	751 Brooks St	Mechanical (Residential)	General HVAC	Replace 80K furnace and liner	Replace 80K furnace and liner	No	No		
MECHR25-1358	2025-08-06	Residential	1441 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER WITH AIR TO AIR HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1355	2025-07-27	Residential	3132 W Dobson Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1353	2025-08-06	Residential	3144 Asher Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-1352	2025-11-08	Residential	3547 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1349	2025-07-23	Residential	1902 Jackson Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1348	2025-07-18	Residential	2675 Valley Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1347	2025-08-06	Residential	711 Amherst Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1346	2025-08-10	Residential	1630 Arbordale St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1340	2025-09-24	Residential	3008 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-1339	2025-06-29	Residential	821 W Liberty St	Mechanical (Residential)	General HVAC	2 60K furnaces high efficiency	2 60k high efficiency furnaces	No	No		
MECHR25-1338	2025-07-25	Residential	3055 Hunting Valley Rd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1337	2025-07-08	Residential	3252 Monument	Mechanical (Residential)	General HVAC	Air conditioner installation	Air conditioner replacement	No	No		
MECHR25-1336	2025-07-26	Residential	809 Oxford Rd	Mechanical (Residential)	General HVAC	Replace/install heat pump.	Replace/install heat pump.	Yes	Yes		Unspecified
MECHR25-1324	2025-07-25	Residential	1105 Freesia Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1321	2026-02-04	Residential	2711 Provincetown Ct	Mechanical (Residential)	General HVAC	Install ductless mini split system	Install ductless mini split. Move main gas line going in to house down wall 10'.	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1318	2025-08-08	Residential	2265 S Seventh St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1317	2025-08-08	Residential	1908 Old Orchard Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1314	2025-09-07	Residential	1224 Prospect St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-1313	2025-08-15	Residential	2370 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1312	2025-12-20	Residential	2149 Pauline Ct	Mechanical (Residential)	General HVAC	Furnace and Air conditioner reconnect &40 gallon hot water tank and a humidifier.	Furnace and Air conditioner reconnect	No	No		
MECHR25-1310	2025-07-02	Residential	2847 Whitewood St	Mechanical (Residential)	General HVAC	Replace 60K BTU furnace		No	No		
MECHR25-1308	2025-08-31	Residential	3160 Fernwood Ave	Mechanical (Residential)	General HVAC	DAIKIN HEAT PUMP & AIR HANDLER		Yes	Yes	Mini-Splits (primary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1303	2025-07-18	Residential	1340 Wines Dr	Mechanical (Residential)	General HVAC	REPLACING GAS FURNACE		No	No		
MECHR25-1299	2025-08-06	Residential	2934 Philadelphia Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR25-1297	2025-09-20	Residential	508 N Fifth Ave	Mechanical (Residential)	General HVAC	Install furnace and air conditioner		No	No		
MECHR25-1296	2025-09-11	Residential	503 W Hoover Ave	Mechanical (Residential)	General HVAC	A/C REPLACEMENT (RE-CONNECT)	A/C REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-1291	2025-12-25	Residential	3920 Ridgmaar Sq	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND GAS WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-1289	2025-09-11	Residential	1528 Golden Ave	Mechanical (Residential)	General HVAC	Install New A/C (Rock Electrical to do the electrical and take the electrical permit)		No	No		
MECHR25-1288	2025-07-04	Residential	3426 Braeburn Cir	Mechanical (Residential)	General HVAC	A/C installation	A/C installation	No	No		
MECHR25-1285	2025-08-07	Residential	2936 Sheffield Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-1282	2025-07-14	Residential	2640 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1281	2025-07-24	Residential	928 Lennox St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1280	2025-07-17	Residential	3159 La Fere St	Mechanical (Residential)	General HVAC	Install new mini split (Rock electrical to do the electrical work and take electrical permit)		Yes	No		Mini Split
MECHR25-1279	2025-11-27	Residential	920 Sherwood St	Mechanical (Residential)	General HVAC	Install New A/C (Rock electrical to do the electrical work and take the electrical permit)		No	No		
MECHR25-1278	2025-06-20	Residential	1039 Olivia Ave	Mechanical (Residential)	General HVAC	`INSTALL REPLACEMENT GAS LINES FROM METER TO STOVE, BOILER ,AND WATER HEATER . GAS IS CURRENTLY SHUT OFF DUE TO LEAK`	INSTALL REPLACEMENT GAS LINES FROM METER TO STOV	No	No		
MECHR25-1275	2025-08-19	Residential	1245 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACING GAS FURNACE		No	No		
MECHR25-1274	2025-10-23	Residential	3101 Asher Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HEAT PUMP, AND HUMIDIFIER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1273	2025-09-24	Residential	3254 Chelsea Cir	Mechanical (Residential)	General HVAC	AC Replacement	AC Replacement	No	No		
MECHR25-1272	2025-06-25	Residential	10 Rockland Ct	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-1270	2025-07-14	Residential	2378 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-1269	2025-07-08	Residential	744 Archwood Dr	Mechanical (Residential)	General HVAC	INSTALL AC & COIL		No	No		
MECHR25-1266	2025-08-23	Residential	2257 Independence Blvd	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-1263	2025-11-15	Residential	2609 Fenwick Ct	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-1254	2025-08-23	Residential	1420 Barnard Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1251	2025-07-10	Residential	1418 W Huron St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1250	2025-06-20	Residential	311 Maple Ridge St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1249	2025-07-10	Residential	2171 Ascot Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1247	2025-08-29	Residential	714 Pomona Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1245	2025-09-25	Residential	3610 Windemere Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1244	2026-01-16	Residential	860 Wickfield Ct	Mechanical (Residential)	General HVAC	FURNACE, HUMIDIFIER		No	No		
MECHR25-1241	2026-02-01	Residential	14 Geddes Heights Dr	Mechanical (Residential)	General HVAC	LENNOX AC & UNICO AIR HANDLER		No	No		
MECHR25-1240	2025-08-06 06:56:33	Residential	3179 Otter Creek Ct	Mechanical (Residential)	General HVAC	Install a Mini Split	Addition	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1238	2025-07-23	Residential	1231 Creal Cres	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES, 2 AIR CONDITIONING SYSTEMS, AND 2 HURMIDIFIERS		No	No		
MECHR25-1236	2025-07-18	Residential	1811 Hanover Rd	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONER SYSTEM		No	No		
MECHR25-1224	2025-09-11	Residential	1911 Packard St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1223	2025-09-04	Residential	2767 Georgetown Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1222	2025-08-20	Residential	2361 Delaware Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1218	2025-07-20	Residential	2667 Hampshire Rd	Mechanical (Residential)	General HVAC	REPLACE AC & COIL		No	No		
MECHR25-1217	2025-08-23	Residential	1200 Newport Rd	Mechanical (Residential)	General HVAC	REPLACING AC WITH BRYANT HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1215	2025-07-19	Residential	622 S First St 2	Mechanical (Residential)	General HVAC	install furnace ac and duct work		No	No		
MECHR25-1214	2025-06-16	Residential	508 W Keech Ave	Mechanical (Residential)	General HVAC	Install heat pump mini Split system	Install a heat pump mini split system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1213	2025-11-28	Residential	1830 Saxon St	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-1208	2025-07-22	Residential	2962 Shady Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-1197	2025-11-26	Residential	1111 Snyder Ave	Mechanical (Residential)	General HVAC	Installation of a furnace, air conditioner, duct work and a gas line.		No	No		
MECHR25-1196	2025-06-07	Residential	2310 Adare Rd	Mechanical (Residential)	General HVAC	INSTALL AC & COIL		No	No		
MECHR25-1193	2025-07-16	Residential	1538 Miller Ave	Mechanical (Residential)	General HVAC	Replace furnace, humidifier, air conditioner and water heater and line chimney with 4" metal liner for water heater.	Replace, furnace, ac, humidifier and water heater. Line ch	No	No		
MECHR25-1192	2025-10-18	Residential	2280 Chaucer Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1190	2025-07-10	Residential	1546 Covington Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1189	2025-08-08	Residential	2130 Fulmer Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & INSTALL NEW AIR CONDITIONER		No	No		
MECHR25-1188	2025-07-10	Residential	556 Glendale Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE WITH AIR SOURCE HEAT PUMP AND ELECTRIC HEAT KIT		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1185	2025-07-10	Residential	1515 Jackson Ave	Mechanical (Residential)	General HVAC	AC installed, replace existing		No	No		
MECHR25-1184	2025-06-06	Residential	1440 Northbrook Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-1183	2025-06-20	Residential	3905 Ridgmaar Sq	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-1182	2025-06-06	Residential	2919 Ward Ct	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1179	2025-10-05	Residential	1903 Arlene St	Mechanical (Residential)	General HVAC	Duct distribution to addition / Kitchen - Bathroom	Add duct distribution to addition, kitchen exhaust, bath far	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-1177	2025-10-25	Residential	2938 Shady Ln	Mechanical (Residential)	General HVAC	Duct distribution to addition / kitchen remodel	Add duct distribution to addition, kitchen exhaust, relocate	No	No		
MECHR25-1174	2025-08-13	Residential	2 Regent Ct	Mechanical (Residential)	General HVAC	Duct Distribution to Addition	Add Duct Distribution System , Relocate AC , Bath and Dry	No	No		
MECHR25-1173	2025-07-01	Residential	444 Huntington Pl	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR25-1172	2025-07-03	Residential	1104 Miner St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1161	2025-08-06	Residential	1510 Patricia Ave	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR25-1160	2025-06-15	Residential	1140 Martin Pl	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT AC		Yes	No		Mini Split
MECHR25-1158	2025-06-26	Residential	209 W Kingsley St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1152	2025-06-13	Residential	708 W Madison St	Mechanical (Residential)	General HVAC	Install mini split heat pump system	Install Mini split heat pump system	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1148	2025-08-10	Residential	495 Burr Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-1147	2025-08-23	Residential	1218 Wines Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1145	2025-06-13	Residential	2369 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1144	2025-08-17	Residential	2620 Powell Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-1142	2025-08-21	Residential	1645 S Maple Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH TANKLESS WATER HEATER		No	No		
MECHR25-1141	2025-06-13	Residential	2905 E Whittier Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-1138	2025-08-15	Residential	1111 Olivia Ave	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-1133	2025-06-13	Residential	3201 Asher Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1132	2025-06-13	Residential	826 W Washington St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1131	2025-06-13	Residential	1770 David Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1129	2025-07-08	Residential	2742 Glenbridge Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR25-1125	2025-07-09	Residential	1320 Wines Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-1124	2025-10-03	Residential	706 Third St	Mechanical (Residential)	General HVAC	Installing a Geothermal Furnace on a vertical closed loop, Installing a heat pump water heater.	Installing a Geothermal Furnace on a vertical closed loop, I	Yes	Yes	Geothermal	Geothermal
MECHR25-1123	2025-08-15	Residential	613 Barber Ave	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-1121	2025-05-29	Residential	14 Blain Ct	Mechanical (Residential)	General HVAC	A/C installation	A/C installation	No	No		
MECHR25-1118	2025-09-18	Residential	109 Allen Dr 2	Mechanical (Residential)	General HVAC	Replace furnace due to cracked heat exchanger. 45mbh 80%	Replace furnace due to a cracked heat exchanger. Furnish	No	No		
MECHR25-1116	2025-07-19	Residential	700 Berkshire Rd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1114	2025-06-13	Residential	304 E Jefferson St	Mechanical (Residential)	General HVAC	Remove and replace furnace, a/c and water heater		No	No		
MECHR25-1113	2025-05-23 11:01:32	Residential	1307 W Madison St	Mechanical (Residential)	General HVAC	*replacement of MECHR25-0013* Furnace and duct system.	Furnace and duct system in attic	No	No		
MECHR25-1110	2025-08-28	Residential	1412 Rosewood St	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-1099	2025-08-14	Residential	2972 Hunley Dr	Mechanical (Residential)	General HVAC	Furnace and A/C reconnect	Furnace and A/C reconnect	No	No		
MECHR25-1095	2025-07-13	Residential	804 Princeton Ave	Mechanical (Residential)	General HVAC	INSTALL A MINI SPLIT WITH ONE WALL UNIT		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-1094	2025-06-19	Residential	487 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1093	2025-06-12	Residential	383 Hilldale Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-1091	2025-06-15	Residential	2524 Dorchester Rd	Mechanical (Residential)	General HVAC	Replace Furnace and Heat pump		Yes	Yes		Unspecified
MECHR25-1090	2025-06-27	Residential	521 Berkley Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1088	2025-09-11	Residential	2092 Yorktown Dr	Mechanical (Residential)	General HVAC	Heat Pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-1087	2025-10-03 14:49:07	Residential	2800 Kimberley Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-1086	2025-09-06	Residential	1119 Spring St	Mechanical (Residential)	General HVAC	Replace furnace and A/C		No	No		
MECHR25-1079	2025-06-04	Residential	726 Soule Blvd	Mechanical (Residential)	General HVAC	Replace/install ductless mini split.	Replace/install ductless mini split.	Yes	No		Mini Split
MECHR25-1078	2025-08-05	Residential	1105 Western Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-1077	2025-08-06	Residential	2377 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR25-1076	2025-06-14	Residential	3418 Burbank Dr	Mechanical (Residential)	General HVAC	INSTALLING 2 TON 14 SEER AIR CONDITIONER	INSTALLING 2 TON 14 SEER AIR CONDITIONER	No	No		
MECHR25-1065	2025-07-12	Residential	1816 Palomar Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR25-1064	2025-07-03	Residential	3235 Edgewood Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR25-1059	2025-05-29	Residential	3013 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR25-1057	2025-05-29	Residential	2791 Barclay Way	Mechanical (Residential)	General HVAC	Remove and replace furnace and A/C		No	No		
MECHR25-1051	2025-05-16	Residential	11 Burlingame Ct	Mechanical (Residential)	General HVAC	A/C replacement	A/C replacement	No	No		
MECHR25-1047	2025-09-04	Residential	1122 Michigan Ave	Mechanical (Residential)	General HVAC	`Install mini-split heat pump Rework supplies and returns Vent bath fan to outside`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1044	2025-06-12	Residential	502 Benjamin St	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-1041	2025-11-06	Residential	2327 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	Yes	Yes	Geothermal	Geothermal
MECHR25-1040	2026-03-19	Residential	2325 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	Yes	No	Geothermal	Geothermal
MECHR25-1039	2025-12-19	Residential	2319 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	Yes	Yes	Geothermal	Geothermal
MECHR25-1038	2025-07-10	Residential	2875 Sorrento Ave	Mechanical (Residential)	General HVAC	3 Ton AC installed, replace existing		No	No		
MECHR25-1037	2026-03-19	Residential	2321 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	Yes	Yes	Geothermal	Geothermal
MECHR25-1033	2025-06-24	Residential	814 E University Ave 2	Mechanical (Residential)	General HVAC	80% furnace and AC replacement	80% furnace and AC replacement.	No	No		
MECHR25-1032	2025-07-16	Residential	2266 Georgetown Blvd	Mechanical (Residential)	General HVAC	Change out A/C Unit	replace air conditioner	Yes	No	Centralized/Ducted System	Centralized/ Ducted System

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR25-1031	2025-06-15	Residential	3483 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, GAS LINE		No	No		
MECHR25-1030	2025-05-22	Residential	1256 Ferdon Rd	Mechanical (Residential)	General HVAC	Mitsubishi Standard Heat Pump Systems	2 mitsubishi heat pump systems w existing electrical	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-1029	2025-11-04 06:59:21	Residential	1907 Arborview Blvd	Mechanical (Residential)	General HVAC	New duct work, furnace and ac installation, Gas line to supply furnace and hot water tank		No	No		
MECHR25-1028	2025-05-22	Residential	2972 Hickory Ln	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-1027	2025-09-11	Residential	2550 Esch Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-1026	2025-06-25	Residential	1107 Wendy Rd	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONER		No	No		
MECHR25-1025	2025-06-27	Residential	734 Miller Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AIR CONDITIONER, AND ELECTRIC TANK HOT WATER HEATER		No	No		
MECHR25-1024	2025-05-30	Residential	1816 Pontiac St	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner	Replace furnace, ac and humidifier	No	No		
MECHR25-1023	2025-07-02	Residential	3151 Baylis Dr	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR25-1022	2025-05-23	Residential	3027 Lakehaven Ct	Mechanical (Residential)	General HVAC	Replacement AC unit	Replacement AC	No	No		
MECHR25-1021	2026-01-09	Residential	1255 Kensington Dr	Mechanical (Residential)	General HVAC	Moved existing furnace and installed new duct work. Installed bathroom fan.	Moved existing furnace and install new duct work. Install ba	No	No		
MECHR25-1012	2025-06-13	Residential	1523 Warwick Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1011	2025-05-17	Residential	1311 Beechwood Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1010	2025-08-08	Residential	2001 Pontiac Trl	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER		No	No		
MECHR25-1008	2025-08-23	Residential	916 Northwood St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-1007	2025-05-29	Residential	3000 Hunting Valley Rd	Mechanical (Residential)	General HVAC	INSTALL (2) AC & COILS		No	No		
MECHR25-1004	2025-08-21	Residential	1947 Lindsay Ln	Mechanical (Residential)	General HVAC	Furnace and Air Conditioner reconnect	Furnace and Air Conditioner reconnect	No	No		
MECHR25-1003	2025-05-15	Residential	1600 Hatcher Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-1002	2025-10-28 10:19:37	Residential	822 Brooks St	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR25-0998	2025-07-26	Residential	1108 Mixtwood Rd	Mechanical (Residential)	General HVAC	`Carrier 37MAHAQ09AA3 9k BTU Condenser Carrier 45MAHAQ09XA3 9k BTU High Wall Indoor Head`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0997	2025-12-08	Residential	407 W Mosley St	Mechanical (Residential)	General HVAC	new HVAC for remod	install two new forced air system, 3 bath fans, hood ventin	No	No		
MECHR25-0996	2025-09-11	Residential	1274 Rosewood St	Mechanical (Residential)	General HVAC	replace furnace, ac, HWT		No	No		
MECHR25-0991	2025-06-03	Residential	2679 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear)	Install new 2ton AC (rear)	No	No		
MECHR25-0990	2025-05-22	Residential	1391 Creekbend Ct	Mechanical (Residential)	General HVAC	Furnace replacement	Furnace replacement	No	No		
MECHR25-0987	2025-06-13	Residential	2097 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE AC & COIL		No	No		
MECHR25-0981	2025-05-24	Residential	2112 Overlook Ct	Mechanical (Residential)	General HVAC	Replace 2.5 ton Condenser and Coil	Replace 2.5 ton Condenser and Coil in existing location (re	No	No		
MECHR25-0977	2025-05-21	Residential	3715 Charter Pl	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-0974	2025-06-18	Residential	1 Medford Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-0973	2025-05-22	Residential	1016 Olivia Ave	Mechanical (Residential)	General HVAC	Install Mini Split	Install Mini Split	Yes	No		Mini Split
MECHR25-0967	2025-10-30	Residential	1610 Linwood Ave	Mechanical (Residential)	General HVAC	Install Ruud 100,000 BTU 96% furnace	Install Ruud 100,000 BTU 96% furnace	No	No		
MECHR25-0963	2025-06-07	Residential	3250 Nordman Rd	Mechanical (Residential)	General HVAC	replace ac & 40 gal water heater		No	No		
MECHR25-0960	2025-10-08	Residential	1411 Coler Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND CHIMNEY LINER	REPLACE FURNACE, AC AND CHIMNEY LINER	No	No		
MECHR25-0958	2025-07-03	Residential	941 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace 90K furnace and 2.5ton AC (existing-front)	Replace 90K furnace and 2.5ton AC (existing-front)	No	No		
MECHR25-0956	2025-05-22	Residential	2428 Placid Way	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-0954	2025-05-31	Residential	2717 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0953	2025-09-24	Residential	1258 Crosby Cres	Mechanical (Residential)	General HVAC	Replace/install heat pump, aux electric heater.	Replace/install heat pump and aux electric heater.	Yes	Yes		Unspecified
MECHR25-0950	2025-05-04	Residential	322 Doty Ave	Mechanical (Residential)	General HVAC	`Daikin, FIT, 2.5 Ton, Air Conditioner Daikin, Cased, 2.5 Ton, Evap Coil Daikin, Value, 60,000 BTU, Furnace Daikin One + Thermostat`		No	No		
MECHR25-0946	2025-06-04	Residential	1009 Fountain St	Mechanical (Residential)	General HVAC	INSTALL FURNACE, HEAT PUMP, AND HUMIDIFIER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0945	2025-05-17	Residential	625 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0944	2025-08-21	Residential	1601 Newport Creek Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0943	2025-08-06	Residential	2107 Arborview Blvd	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER		No	No		
MECHR25-0939	2025-06-01	Residential	520 Oswego St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-0936	2025-05-09	Residential	433 Sumark Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0932	2025-07-19	Residential	2352 Darrow Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR25-0931	2025-05-19	Residential	942 N Main St	Mechanical (Residential)	General HVAC	` Electric connect done by electrician Replace furnace and extend ductwork to addition.`	Replace furnace , extend ductwork to addition	No	No		
MECHR25-0924	2025-05-21	Residential	1582 W Liberty St	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR25-0923	2025-05-17	Residential	109 N Revena Blvd	Mechanical (Residential)	General HVAC	INSTALL FURNACE, HUMIDIFIER		No	No		
MECHR25-0916	2025-09-25	Residential	2724 Holyoke Ln	Mechanical (Residential)	General HVAC	install furnace, A/C, ductwork, vent bath fan and gas line	install air conditioner condenser	No	No		
MECHR25-0915	2025-05-15	Residential	2375 Dundee Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR25-0913	2025-05-14	Residential	2144 Washtenaw Ave	Mechanical (Residential)	General HVAC	install a furnace	Replace the furnace and rehook up the electrical hookup	No	No		
MECHR25-0912	2026-01-16	Residential	1035 Fairmount Dr	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER		No	No		
MECHR25-0909	2025-06-15	Residential	2720 White Oak Dr	Mechanical (Residential)	General HVAC	Furnace replacement, AC replacement, water heater replacement, Range hood install, Gas line move for range.	Furnace replacement, AC replacement, water heater repl	No	No		
MECHR25-0908	2025-06-05	Residential	840 Wickfield Ct	Mechanical (Residential)	General HVAC	Replaced furnace and air conditioner.	Replacing a furnace and ac.	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0899	2025-05-07	Residential	3315 Alton Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0896	2025-10-31	Residential	508 W Davis Ave	Mechanical (Residential)	General HVAC	Install LG ductless split system		Yes	No		Mini Split
MECHR25-0894	2025-05-23	Residential	2229 Walter Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL		No	No		
MECHR25-0893	2025-05-17	Residential	1905 Arborview Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0891	2025-05-09	Residential	226 Buena Vista Ave	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER		No	No		
MECHR25-0888	2025-06-08	Residential	2737 Newport Rd	Mechanical (Residential)	General HVAC	Furnace reconnect	Furnace reconnect	No	No		
MECHR25-0887	2025-10-22	Residential	1908 Austin Ave	Mechanical (Residential)	General HVAC	furnace, ductwork, Ac, Gas pipe	new addition i am adding a furnace ac and ductwork	No	No		
MECHR25-0885	2025-05-18	Residential	2119 Devonshire Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0884	2025-07-20	Residential	428 Concord Rd	Mechanical (Residential)	General HVAC	Install a new 97% furnace, 100k and a 3 ton ac package		No	No		
MECHR25-0882	2025-07-03	Residential	2958 Hunley Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0880	2025-05-29	Residential	1601 Creal Cres	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND HOT WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR HOT WATER HEATER)		No	No		
MECHR25-0871	2025-05-09	Residential	1012 Bath St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-0869	2025-05-14	Residential	1750 Meadowside Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0868	2025-10-04	Residential	1709 Hermitage Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0863	2025-05-08	Residential	2867 Page Ave	Mechanical (Residential)	General HVAC	Furnace reconnect *replacement for mech19-0411*	Furnace and AC reconnect	No	No		
MECHR25-0857	2025-05-23	Residential	3175 Lorraine St	Mechanical (Residential)	General HVAC	Installation of ac, furnace, 50 gallon power vent water heater		No	No		
MECHR25-0856	2025-04-27	Residential	408 E Jefferson St	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR25-0855	2025-05-08	Residential	540 Walnut St	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR25-0850	2025-05-07	Residential	1260 Creal Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-0848	2025-06-14	Residential	2159 E Eden Ct	Mechanical (Residential)	General HVAC	`Furnace replacement Install bath exhaust fan`		No	No		
MECHR25-0846	2025-05-09	Residential	201 Pleasant Pl	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0841	2025-05-15	Residential	3119 Cedarbrook Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0840	2025-08-22	Residential	2600 Page Ct	Mechanical (Residential)	General HVAC	4 zone Mitsubishi Hyper Heat system	4 zone Mitsubishi Hyperheat System	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0839	2025-04-17	Residential	2419 Pittsfield Blvd	Mechanical (Residential)	General HVAC	Install furnace and 40 gallon standard vent water heater with pan	Install furnace and 40 gallon standard vent water heater wi	No	No		
MECHR25-0835	2025-06-23	Residential	800 Pauline Blvd	Mechanical (Residential)	General HVAC	mini split installation	Install mini split system, relocate supplies and vent dryer	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0830	2025-05-09	Residential	3032 Cloverly Ln	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-0829	2025-05-09	Residential	261 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND INSTALL CHIMNEY LINER		No	No		
MECHR25-0823	2025-07-10	Residential	1909 Lorraine Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-0820	2025-05-09	Residential	18 W Eden Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-0817	2025-05-23	Residential	2706 Gladstone Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-0812	2025-12-20	Residential	1117 Lincoln Ave	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR25-0811	2025-09-24	Residential	711 Bruce St	Mechanical (Residential)	General HVAC	Replace furnace and A/C, add (5) supply's upstairs and (5) supply's downstairs, vent (2) bath fans, vent (1) kitchen hood		No	No		
MECHR25-0810	2025-07-17	Residential	3045 Hunting Valley Rd	Mechanical (Residential)	General HVAC	REPLACE 2 GAS FURNACES, 2 AIR CONDITIONERS, AND 1 GAS WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR NEEDED FOR WATER HEATER)		No	No		
MECHR25-0808	2025-05-09	Residential	795 Watersedge Dr	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR25-0807	2025-07-03	Residential	130 Ponds View Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND WATER HEATER		No	No		
MECHR25-0801	2025-05-01 12:50:35	Residential	2601 Esch Ave	Mechanical (Residential)	General HVAC	replace furnace	replaced the furnace	No	No		
MECHR25-0799	2025-06-04	Residential	1879 Meadowside Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0795	2025-12-05	Residential	3179 Asher Rd	Mechanical (Residential)	General HVAC	FURNACE RECONNECT	FURNACE RECONNECT	No	No		
MECHR25-0794	2025-05-02	Residential	2653 Whitewood St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0793	2025-06-13	Residential	3205 Sunnywood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0781	2025-05-17	Residential	230 W Oakbrook Dr	Mechanical (Residential)	General HVAC	Install replacement furnace	replace furance with new	No	No		
MECHR25-0779	2025-05-01	Residential	1217 Lincolnshire Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR25-0776	2025-05-17	Residential	1538 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0770	2025-05-02	Residential	2050 Camelot Rd	Mechanical (Residential)	General HVAC	Furnace & chimney liner - replacement.		No	No		
MECHR25-0762	2025-05-14	Residential	617 Hiscock St	Mechanical (Residential)	General HVAC	Install new Mini Split		Yes	No		Mini Split
MECHR25-0761	2025-05-03	Residential	1905 Lindsay Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0760	2025-05-16	Residential	2419 Walter Dr	Mechanical (Residential)	General HVAC	REMOVE EXISTING FURNACE AND A/C AND REPLACE WITH NEW FURNACE AND A/C IN THE SAME LOCATION	REMOVE EXST FURNACE AND AC AND REPLACE WITH NEV	No	No		
MECHR25-0759	2025-05-14	Residential	1432 Golden Ave	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0758	2025-05-14	Residential	1967 Coronada Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0746	2025-05-23	Residential	809 Granger Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-0743	2025-04-01 17:05:10	Residential	712 Hiscock St	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS SPLIT IN GARAGE (REPLACING PERMIT MECH21-0286)		Yes	Yes	Mini-Splits (primary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0742	2025-06-13	Residential	2243 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0741	2025-05-02	Residential	2157 E Eden Ct	Mechanical (Residential)	General HVAC	REPLACE GAS WATER HEATER WITH ELEC WATER HEATER AND REPLACE B-VENT THROUGH ATTIC FOR THE FURNACE VENT		No	No		
MECHR25-0740	2025-04-24	Residential	831 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0737	2025-05-10	Residential	1513 Montclair Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0734	2025-05-01	Residential	508 W Hoover Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0733	2025-05-09	Residential	2280 Mershon Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0725	2025-04-03	Residential	3079 Pittsview Dr	Mechanical (Residential)	General HVAC	Replacing Attic Gas Furnace, A-Coil and Exterior Air Conditioner	Replacing Attic Gas Furnace, A-Coil and Exterior Air Condit	No	No		
MECHR25-0714	2025-08-19	Residential	2602 Adrienne Dr	Mechanical (Residential)	General HVAC	`(1) 44mbh gas fired furnace w/connection to existing main supply/return duct New supply/return duct work from 1st floor through out 2nd floor w/GRD's (1) Ceiling exhaust fans w/venting to exterior (1) Kitchen exhaust vent to exterior (1) Programmable t-stat w/low-volt wiring`		No	No		
MECHR25-0713	2025-08-19	Residential	2600 Adrienne Dr	Mechanical (Residential)	General HVAC	`(1) 44mbh gas fired furnace w/connection to existing main supply/return duct New supply/return duct work from 1st floor through out 2nd floor w/GRD's (2) Ceiling exhaust fans w/venting to exterior (1) Kitchen exhaust vent to exterior (1) Programmable t-stat w/low-volt wiring`		No	No		
MECHR25-0712	2025-04-24	Residential	3207 Foxway Ct	Mechanical (Residential)	General HVAC	INSTALLING FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0710	2025-05-16	Residential	502 S First St 1	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR25-0707	2025-04-25	Residential	2121 S Seventh St	Mechanical (Residential)	General HVAC	80% 100K input BTU furnace replacement. Humidifier replacement.	80% 100K BTU input furnace replacement. Humidifier repl	No	No		
MECHR25-0702	2025-04-17	Residential	2711 Canterbury Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0695	2025-05-25	Residential	1435 Harpst St	Mechanical (Residential)	General HVAC	replace a/c and furnace	replace a/c and furnace	No	No		
MECHR25-0690	2025-05-30	Residential	1410 Las Vegas Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-0689	2025-04-23	Residential	1455 Jewett Ave	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP, AIR HANDLER, HUMIDIFIER		Yes	Yes		Unspecified
MECHR25-0688	2025-08-06	Residential	516 Fifth St	Mechanical (Residential)	General HVAC	`HVAC work for addition mini system in crawlspace ducted , bath fan venting,`	ducted hyper heat mini split outdoor unit in crawlspace, bath fan	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0687	2025-05-22	Residential	1025 Fountain St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0682	2025-05-28	Residential	807 Arch St	Mechanical (Residential)	General HVAC	Replace furnace.	replace furnace	No	No		
MECHR25-0680	2025-04-03	Residential	2807 Beacon Hill St	Mechanical (Residential)	General HVAC	`This is for MECH21-1508 to bring it into the online system Replace Furnace and A/C`		No	No		
MECHR25-0679	2025-08-16	Residential	581 Burwood Ave	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR25-0676	2025-05-01	Residential	445 Second St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0675	2025-06-27	Residential	237 Highlake Ave	Mechanical (Residential)	General HVAC	Replace furnace, AC with Heat Pump. Ductwork.		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0667	2026-01-09	Residential	1443 Dicken Dr	Mechanical (Residential)	General HVAC	Install Furnace, duct, A/C, zoning, vent bath fans, Gas piping	`no electric hook up done by electrician its a new houseIns	No	No		
MECHR25-0663	2026-01-22 08:50:29	Residential	3455 La Salle Dr	Mechanical (Residential)	General HVAC	`New build. Furnace 80k 96%, 3 ton condenser, ductwork, & gas line`	80k 96% Payne furnace, 3 ton Payne condenser, Ductwork	No	No		
MECHR25-0662	2025-04-08	Residential	1072 Morningside Dr	Mechanical (Residential)	General HVAC	Install mini split heat pump	Install mini split heat pump	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0661	2025-05-21	Residential	1216 Ravenwood Ave	Mechanical (Residential)	General HVAC	96% 80K BTU FURNACE REPLACEMENT (RE-CONNECT)	96% 80K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0660	2025-04-04	Residential	555 Packard St	Mechanical (Residential)	General HVAC	*FEE DUE* Furnace Replacement		No	No		
MECHR25-0655	2025-08-21	Residential	3551 Frederick Dr	Mechanical (Residential)	General HVAC	Installing a new air conditioner and ductwork.	Installation of a new air conditioner and ductwork.	No	No		
MECHR25-0654	2025-03-29	Residential	712 Hiscock St	Mechanical (Residential)	General HVAC	INSTALL BOILER, REPLACE AIR HANDLER & AC		No	No		
MECHR25-0653	2025-11-27	Residential	2110 Tuomy Rd	Mechanical (Residential)	General HVAC	Replace 120K BTU furnace	Replace high efficiency 120K BTU furnace. Existing was als	No	No		
MECHR25-0652	2025-08-27	Residential	506 W Hoover Ave	Mechanical (Residential)	General HVAC	`Replace Furnace and A/C Re doing duct work`		No	No		
MECHR25-0651	2025-03-30	Residential	3139 Lakewood Dr	Mechanical (Residential)	General HVAC	Replace furnace and add A/C		No	No		
MECHR25-0649	2025-04-12	Residential	2533 Meade Ct	Mechanical (Residential)	General HVAC	Replace furnace and ac	Replace furnace and ac	No	No		
MECHR25-0645	2025-11-12	Residential	1541 Miller Ave	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT, AIR HANDLER, AND HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0644	2025-03-30	Residential	504 W Keech Ave	Mechanical (Residential)	General HVAC	Install mini split heat pump	Install mini split system	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0643	2025-04-15	Residential	2994 Barclay Way	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR25-0637	2025-05-09	Residential	603 Ross St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0636	2025-10-21	Residential	1760 Scio Church Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0635	2025-04-12	Residential	3044 Forest Creek Ct	Mechanical (Residential)	General HVAC	Furnace and water heater installation	Water heater and furnace installation	No	No		
MECHR25-0631	2025-04-30	Residential	2376 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 1.5ton AC (rear)	Install new 1.5ton AC (rear)	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0630	2025-03-28 12:33:22	Residential	3105 Village Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE (REPLACING MECH21-1162)		No	No		
MECHR25-0628	2025-10-31	Residential	980 Newport Rd	Mechanical (Residential)	General HVAC	`One Mitsubishi mini split install One ERV install O bath Fan install`	`One Mitsubishi mini split One ERV One bath fan`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0625	2025-04-23	Residential	3075 Provincial Dr	Mechanical (Residential)	General HVAC	Remove and replace A/C		No	No		
MECHR25-0612	2025-07-10	Residential	1515 Glen Leven Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0611	2025-04-24	Residential	2538 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-0603	2026-02-20	Residential	2778 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0602	2026-02-20	Residential	2776 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0601	2025-12-24	Residential	2774 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0600	2025-10-29	Residential	2772 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0598	2025-09-09 11:11:56	Residential	2770 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0597	2025-10-08 10:18:09	Residential	2768 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0595	2025-07-22	Residential	2766 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC FOR NEW HOME	No	No		
MECHR25-0593	2025-04-24	Residential	1697 Arlington Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0592	2025-05-09	Residential	2180 Steeplechase Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0590	2025-04-04	Residential	2022 Norfolk Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0587	2025-04-04	Residential	404 Arbana Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0586	2025-06-20	Residential	710 Brooks St	Mechanical (Residential)	General HVAC	INSTALL NEW DUCTLESS HEAT PUMP FOR SPACE ABOVE GARAGE		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0584	2025-08-17	Residential	2613 Meade Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & WATER HEATER (GAS WITH GAS)		No	No		
MECHR25-0583	2025-04-04	Residential	306 N Revena Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0582	2025-05-02	Residential	422 W William St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0581	2025-05-23	Residential	2100 Scottwood Ave	Mechanical (Residential)	General HVAC	REPLACE DUCTLESS MINI SPLIT		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0579	2025-05-10	Residential	915 W Huron St 2	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0578	2025-05-10	Residential	915 W Huron St 1	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0576	2025-07-18	Residential	414 Wesley St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-0575	2025-05-24	Residential	1021 Bruce St	Mechanical (Residential)	General HVAC	Replace/install heat pump, aux heat, humidifier.	Replace/install heat pump, aux heat, and humidifier.	Yes	Yes		Unspecified
MECHR25-0572	2025-04-19	Residential	2600 Easy St	Mechanical (Residential)	General HVAC	Install Heat Pump, Air Handler and back up Strip Heat.	`Supply and Install Bryant Evolution air handler with back u	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0571	2025-09-05	Residential	628 Trego Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR25-0569	2025-04-26	Residential	638 Fifth St	Mechanical (Residential)	General HVAC	Install Mitsubishi Hyperheat System		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0565	2025-04-18	Residential	2931 E Whittier Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0558	2025-05-30	Residential	2017 Chalmers Dr	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR25-0555	2025-04-06	Residential	1718 Dunmore Rd	Mechanical (Residential)	General HVAC	remove old furnace and AC installing mitsubishi hyperheat system and hybrid water heater		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0554	2025-08-12	Residential	1717 Morton Ave	Mechanical (Residential)	General HVAC	Replace furnace	Replacing furnace	No	No		
MECHR25-0553	2025-08-26	Residential	628 Miller Ave	Mechanical (Residential)	General HVAC	*Waiting on issuance of BLDGR25-0177 * (14) indoor ductless units with (2) outdoor units, vent (2) bath fans		Yes	No		Mini Split
MECHR25-0552	2025-08-26	Residential	630 Miller Ave	Mechanical (Residential)	General HVAC	(9) indoor wall mount ductless units, (2) outdoor units, vent (2) bath fans		Yes	No		Mini Split
MECHR25-0551	2025-05-23	Residential	2950 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-0549	2025-07-30 08:22:43	Residential	102 Crest Ave	Mechanical (Residential)	General HVAC	`Exhaust 1 kitchen hood Relocate condensor Duct Alteration Exhaust two bathfans`	`Exhaust 1 kitchen hoodduct alterationExhaust 2 bathfans	No	No		
MECHR25-0548	2025-08-19	Residential	2645 Bedford Rd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-0547	2025-08-09	Residential	1405 Kuehnle Ave	Mechanical (Residential)	General HVAC	`Heat Pump Mini Split with 2 indoor heads in a living area above a garage. All new construction. Need Rough & Final inspection needed.`	`Installing one heat pump mini split with two indoor wall mounted heads in a living area built above the garage. Electrician handling all the wiring under his permit. Installing one bathroom fan exhaust piping & roof termination. Will need a rough & final inspection for this project.`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0542	2025-03-27	Residential	139 Ashley Mews	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR25-0541	2025-04-19	Residential	2435 Picadilly Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR25-0539	2025-03-19	Residential	1140 Wendy Rd	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace should have been added to Permit Number MECH	No	No		
MECHR25-0535	2025-04-04	Residential	2403 Tamarack Ct	Mechanical (Residential)	General HVAC	Replace/install customer supplied furnace and AC.	Replace/install customer supplied furnace and ac.	No	No		
MECHR25-0534	2025-03-12	Residential	2557 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0533	2025-04-08	Residential	2465 Newbury Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0525	2026-02-15	Residential	1829 Hanover Rd	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR25-0523	2025-04-03	Residential	680 Peninsula Ct	Mechanical (Residential)	General HVAC	Install New Furnace		No	No		
MECHR25-0520	2025-05-08	Residential	2611 Meade Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (Install the A/C in the spring once weather is warmer)		No	No		
MECHR25-0517	2025-10-07	Residential	2472 Yost Blvd	Mechanical (Residential)	General HVAC	Furnace and air cleaner installation	Furnace and air cleaner installation	No	No		
MECHR25-0516	2025-04-17	Residential	2823 Lillian Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0514	2025-08-06	Residential	2959 Lakeview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0513	2025-05-10	Residential	515 Berkley Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0512	2025-04-04	Residential	105 Golfview Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0504	2025-03-27	Residential	8 Plainview Ct	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-0503	2025-03-20	Residential	907 Bruce St	Mechanical (Residential)	General HVAC	Mechanical inspection requested by homeowner. Minor repairs to AC were performed.	Mechanical inspection requested by homeowner on existir	No	No		
MECHR25-0502	2025-04-10	Residential	1420 Granger Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0501	2025-06-01	Residential	1502 Dexter Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0499	2025-03-16	Residential	2753 Colony Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0498	2025-03-27	Residential	770 Watershed Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0497	2025-03-16	Residential	3079 Village Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0492	2025-05-14	Residential	3113 Wolverine Dr	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER		No	No		
MECHR25-0491	2025-04-10	Residential	2927 Renfrew St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0490	2025-03-13	Residential	3443 Burbank Dr	Mechanical (Residential)	General HVAC	A/C replacement	A/C replacement	No	No		
MECHR25-0483	2025-03-22	Residential	3222 Chelsea Cir	Mechanical (Residential)	General HVAC	*on hold for floodplain review* Furnace Replacement	Furnace Replacement	No	No		
MECHR25-0481	2025-04-06	Residential	1132 Aberdeen Dr	Mechanical (Residential)	General HVAC	Replace Heat Pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0479	2025-04-16	Residential	1241 Barrister Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0474	2025-04-02	Residential	2341 Placid Way	Mechanical (Residential)	General HVAC	Install Amana Everest 96% 2 stge 80,000 BTU Furnace (Rehook)	Rehook, Everest 2 Stage 80,000 BTU Furnace	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0473	2025-03-06	Residential	3075 Barclay Way	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR25-0468	2025-04-05	Residential	2975 Shady Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0467	2025-06-28	Residential	804 W Davis Ave	Mechanical (Residential)	General HVAC	Install mini split	Installation of a mini split	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0462	2025-08-16	Residential	2910 E Eisenhower Pkwy	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR25-0461	2025-08-29	Residential	1234 Snyder Ave	Mechanical (Residential)	General HVAC	Supply and install Evcon 80% single stage variable speed furnace	Supply and install Evcon 80% single stage variable speed fu	No	No		
MECHR25-0459	2025-06-19	Residential	801 S First St	Mechanical (Residential)	General HVAC	Replace existing 80% furnace with new 80% furnace	` Replace 80% furnace with new 80% furnace.Could not fin	No	No		
MECHR25-0455	2025-05-15	Residential	3418 Norwood St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No	No		
MECHR25-0451	2025-08-27	Residential	1217 S State St	Mechanical (Residential)	General HVAC	furnace change out	furnace change out	No	No		
MECHR25-0447	2025-07-10	Residential	835 Redeemer Ave	Mechanical (Residential)	General HVAC	Install mini split, vent bath fan, add heat run	Install mini split unit, vent bath fan, add one heat supply	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0446	2025-04-09	Residential	2424 Manchester Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR25-0442	2025-04-03	Residential	266 Larkspur St	Mechanical (Residential)	General HVAC	80% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	80% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0441	2025-03-18	Residential	3607 Ca Canny	Mechanical (Residential)	General HVAC	80% 80K BTU FURNACE REPLACEMENT (RE-CONNECT)	80% 80K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0440	2025-03-14	Residential	2945 Leslie Park Cir	Mechanical (Residential)	General HVAC	80% 100K BTU FURNACE REPLACEMENT (RE-CONNECT)	80% 100K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0437	2025-03-14	Residential	2779 Holyoke Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0436	2025-09-17	Residential	3417 Ashburnam Rd	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace.	No	No		
MECHR25-0433	2025-03-09	Residential	2311 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0428	2025-06-01	Residential	1411 Henry St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-0426	2025-09-29 13:42:50	Residential	2053 Newport Rd	Mechanical (Residential)	General HVAC	3 Furnaces and 3 A/C's New construction home.	` New Construction 3 furnace3 A/C3 Duct jobsventing of al	No	No		
MECHR25-0415	2025-09-14	Residential	2415 Shannondale Rd	Mechanical (Residential)	General HVAC	install mini for addition		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR25-0405	2025-03-30	Residential	2900 Overridge Dr	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR25-0404	2025-08-08	Residential	1801 E Stadium Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0403	2025-03-14	Residential	1712 Barrington Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0401	2025-04-24	Residential	318 Gralake Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR25-0398	2025-05-15	Residential	2103 Charlton Ave	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c		No	No		
MECHR25-0396	2025-04-02	Residential	3221 Aldwych Cir	Mechanical (Residential)	General HVAC	replace furnace and ac		No	No		
MECHR25-0394	2025-04-30	Residential	234 Eighth St	Mechanical (Residential)	General HVAC	INSTALL A DAIKIN HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0393	2025-03-06	Residential	508 Felch St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0392	2025-03-23	Residential	1133 Michigan Ave	Mechanical (Residential)	General HVAC	Replace existing furnace with new one		No	No		
MECHR25-0391	2025-04-12	Residential	845 Asa Gray Dr	Mechanical (Residential)	General HVAC	` REPLACE FURNACE, AC AND HUMIDIFIER`	REPLACE FURNACE AC AND HUMIDIFIER	No	No		
MECHR25-0390	2025-03-29	Residential	1002 Fifth St	Mechanical (Residential)	General HVAC	Replace furnace, hot water tank and ac	Replace furnace, hot water tank and ac	No	No		
MECHR25-0387	2025-04-12	Residential	1518 Dexter Ave	Mechanical (Residential)	General HVAC	Replace/install ac.	Replace/install ac.	No	No		
MECHR25-0384	2025-10-10 17:01:56	Residential	1312 Cambridge Rd	Mechanical (Residential)	General HVAC	NEW HVAC SYSTEMS	main floor and basement and second and third floor mini s	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0383	2025-03-27	Residential	1046 Scott Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0380	2025-03-16	Residential	2011 Fair St	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0379	2025-03-19	Residential	2252 Rivenoak Ct	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0374	2025-08-22 11:15:36	Residential	1990 Upland Dr	Mechanical (Residential)	General HVAC	Installing a ductless system. Vent (1) bath fan		Yes	No		Mini Split
MECHR25-0367	2025-02-26	Residential	1743 Waltham Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No	No		
MECHR25-0366	2025-03-25	Residential	3023 Woodmanor Ct	Mechanical (Residential)	General HVAC	Replace 70K furnace and humidifier	Replace 70K furnace and humidifier	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0363	2025-02-25	Residential	206 Third St	Mechanical (Residential)	General HVAC	REACTIVATE PERMIT #MECH19-3225. REPLACE FURNACE AND GAS WATER HEATER		No	No		
MECHR25-0361	2025-06-06	Residential	2822 Page Ave	Mechanical (Residential)	General HVAC	Replace 60K BTU furnace	Replace 60K BTU furnace	No	No		
MECHR25-0359	2025-07-16	Residential	235 Mason Ave	Mechanical (Residential)	General HVAC	Add a/c	a/c install	No	No		
MECHR25-0354	2025-07-12	Residential	235 Mason Ave	Mechanical (Residential)	General HVAC	Replace furnace, humidifier. Duct work, rework gas line to furnace range & water heater, vent kitchen exhaust, vent 2 bath fans.	venting kitchen exhaust, dryer vent & 2 bath fans to exterio	No	No		
MECHR25-0353	2025-02-26	Residential	2279 Amesbury Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0351	2025-03-07	Residential	610 Leona Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0345	2025-04-03	Residential	1441 Argyle Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No	No		
MECHR25-0343	2025-07-04	Residential	652 Peninsula Ct	Mechanical (Residential)	General HVAC	9* Replace/install furnace, heat pump, humidifier.	Replace/install furnace, heat pump, humidifier.	Yes	Yes		Unspecified
MECHR25-0342	2025-06-13	Residential	222 Charles St	Mechanical (Residential)	General HVAC	Add on heat pump with ductwork and bath fan venting	Install cold climate heat pump air handler and outdoor unit	Yes	Yes		Unspecified
MECHR25-0338	2025-03-16	Residential	1102 W Washington St	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR25-0337	2025-05-21	Residential	3005 Exmoor Rd	Mechanical (Residential)	General HVAC	furnace, air conditioner and humidifier replacement	furnace, air conditioner and humidifier replacement	No	No		
MECHR25-0334	2025-03-15	Residential	3220 Lockridge Dr	Mechanical (Residential)	General HVAC	Replace 100K furnace, liner, and humidifier	Replace 100K furnace, liner, and humidifier	No	No		
MECHR25-0333	2025-04-25	Residential	928 E Ann St	Mechanical (Residential)	General HVAC	Replace furnace, Liner, and install new A/C in rear of home	Replace furnace, Liner, and install new A/C in rear of home	No	No		
MECHR25-0332	2025-05-23	Residential	1976 Alhambra Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (Install the A/C in the spring once weather is warmer)		No	No		
MECHR25-0326	2025-02-25	Residential	309 S Seventh St	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner and water heater and install humidifier	Replace furnace, air conditioner and water heater. Install h	No	No		
MECHR25-0324	2025-03-26	Residential	3208 Monument	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0307	2025-07-04	Residential	1705 Morton Ave	Mechanical (Residential)	General HVAC	HVAC work for the addition and remodel		No	No		
MECHR25-0301	2025-07-31	Residential	614 S Seventh St	Mechanical (Residential)	General HVAC	Install duct , a/c , furnace, gas pipping , vent bath fans		No	No		
MECHR25-0298	2025-04-09	Residential	1157 Freesia Ct	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR25-0294	2025-02-22	Residential	1495 King George Blvd	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR25-0291	2025-02-22	Residential	585 Green Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0290	2025-06-05	Residential	1211 Patricia Ave	Mechanical (Residential)	General HVAC	`Install Goodman 80,000 BTU Furnace (Rehook) Install Chimney Liner 35X5 Water heater`		No	No		
MECHR25-0287	2025-02-27	Residential	2824 Colony Rd	Mechanical (Residential)	General HVAC	heat pump installation	Heat pump installation	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0283	2025-03-13	Residential	944 Greenwood Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR25-0282	2025-08-23	Residential	2160 Amelia Pl	Mechanical (Residential)	General HVAC	install mini split with one wall unit	INSTALL MINI SPLIT WITH ONE WALL UNIT	Yes	Yes		Mini Split
MECHR25-0277	2025-02-28	Residential	2605 Fenwick Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0273	2025-03-15	Residential	718 Arbor St	Mechanical (Residential)	General HVAC	Ac and water heater replacement	Ac unit and water heater replacement	No	No		
MECHR25-0269	2025-02-15	Residential	3077 Barclay Way	Mechanical (Residential)	General HVAC	Furnace replacement	Replace furnace	No	No		
MECHR25-0268	2025-04-19	Residential	2751 Valley Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE/AC	REPLACE FURNACE/AC	No	No		
MECHR25-0267	2025-03-07	Residential	1525 Golden Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0266	2025-04-24	Residential	3016 Aspen Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0265	2025-05-17	Residential	735 Dartmoor Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0264	2025-02-26	Residential	2430 Geddes Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0263	2025-06-10	Residential	448 Fifth St	Mechanical (Residential)	General HVAC	HVAC work for bathroom remodel	install a Mitsubishi Hyper heat split system and bath fan	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0259	2025-03-06	Residential	2533 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0257	2025-03-06	Residential	2531 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0255	2025-04-09	Residential	718 Indianola Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HOT WATER HEATER (NOT POWERVENT, NO ELEC NEEDED FOR WATER HEATER)		No	No		
MECHR25-0254	2025-02-27	Residential	1631 Franklin St	Mechanical (Residential)	General HVAC	96% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	96% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0248	2025-04-19	Residential	1809 Baldwin Ave 2	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0242	2025-07-05	Residential	1609 Shadford Rd	Mechanical (Residential)	General HVAC	Replace/install heat pump and aux heat.	Replace/install heat pump and aux heat.	Yes	Yes		Unspecified
MECHR25-0237	2025-03-01	Residential	2990 Shady Ln	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-0234	2025-02-21	Residential	1124 Kay Pkwy	Mechanical (Residential)	General HVAC	Replace furnace with new.	Replace furnace with new.	No	No		
MECHR25-0233	2025-03-04	Residential	2843 Barclay Way	Mechanical (Residential)	General HVAC	Old Furnace Leaking CO Replaced last month, need to pull mechanical permit for Furnace replacement only. Water heater and AC were not done by us. Used a Trane Furnace added wet switch alarm to floor.	Old system leaking CO badly in home, Shut system down a	No	No		
MECHR25-0230	2025-04-02	Residential	2876 Burlington St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR25-0226	2025-02-21	Residential	3153 Shamrock Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0223	2025-02-06	Residential	255 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND INSTALL DUCTWORK IN BASEMENT		No	No		
MECHR25-0222	2025-04-18	Residential	715 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0220	2025-03-05	Residential	3935 Wynnstone Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0218	2025-02-15	Residential	606 Cressfield Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0207	2025-04-10	Residential	1114 Lutz Ave	Mechanical (Residential)	General HVAC	Replace 120K furnace, liner, humidifier, and 4ton AC (existing - side)	Replace 120K furnace, liner, humidifier, and 4ton AC (exist	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0203	2025-03-05	Residential	2777 Page Ave	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0202	2025-02-16	Residential	1702 Morton Ave	Mechanical (Residential)	General HVAC	No change to existing furnace in basement. Duct alteration on first and second floor to new floor plans.		No	No		
MECHR25-0196	2025-02-14	Residential	1251 King George Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0195	2025-02-26	Residential	3217 Lockridge Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0194	2025-03-01	Residential	1270 Bardstown Trl	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier/Water Heater	Replace Furnace/Humidifier/Water Heater	No	No		
MECHR25-0193	2025-07-30	Residential	2153 Newport Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0192	2025-03-01	Residential	2667 Valley Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR25-0190	2025-02-26	Residential	2359 Timbercrest Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0189	2025-06-08	Residential	1840 Coronada Dr	Mechanical (Residential)	General HVAC	Adding basement bath room and rearranging mechanical equipment & A/C replacement	basement bathroom finish including moving mechanical e	No	No		
MECHR25-0188	2025-02-20	Residential	1950 Peppermill Way	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR25-0187	2025-02-15	Residential	803 John A Woods Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR25-0186	2025-03-22	Residential	3358 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-0184	2025-05-24	Residential	2214 Faye Dr	Mechanical (Residential)	General HVAC	replace furnace and air conditioning with new	replace furnace and AC with new.	No	No		
MECHR25-0183	2025-04-23	Residential	2281 Delaware Dr	Mechanical (Residential)	General HVAC	furnace ac, duct system, gas line dryer, furnace, pressure test, dryer vent , 2 bath fans	new addition furnace ac, duct system, gas line, dryer furna	No	No		
MECHR25-0180	2025-03-01	Residential	3233 Baylis Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR25-0178	2025-05-09	Residential	1429 Bird Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR25-0177	2025-02-22	Residential	2603 Meade Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0175	2025-03-07	Residential	1104 Brooks St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0174	2025-03-05	Residential	3160 Williamsburg Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR25-0168	2025-05-02	Residential	2221 Miller Ave	Mechanical (Residential)	General HVAC	furnace and a/c replacement	furnace and a/c replacement	No	No		
MECHR25-0167	2025-03-14	Residential	1243 Marlborough Dr	Mechanical (Residential)	General HVAC	replace furnace and heat pump	replacing heat pump	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0165	2025-03-21	Residential	308 W Keech Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR25-0164	2025-07-09	Residential	410 Lenawee Dr	Mechanical (Residential)	General HVAC	Install Ruud 96% 2 stage variable speed furnace	Install Ruud 96% 2 stage variable speed furnace	No	No		
MECHR25-0162	2025-02-13	Residential	839 Mt Pleasant Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0160	2025-03-20	Residential	2972 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR25-0159	2025-04-02	Residential	3550 Fox Hunt Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR25-0158	2025-04-09	Residential	1627 Cherokee Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0156	2025-04-12	Residential	654 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace.	No	No		
MECHR25-0153	2025-08-27	Residential	900 Arbordale St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR25-0152	2025-04-11	Residential	3202 Alpine Dr	Mechanical (Residential)	General HVAC	furnace, air conditioner and humidifier replacement	furnace, air conditioner and humidifier replacement	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0151	2025-05-15	Residential	3108 Brockman Blvd	Mechanical (Residential)	General HVAC	Rework duct install air handler and heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0149	2025-04-24	Residential	2490 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0148	2025-03-27	Residential	1502 Golden Ave	Mechanical (Residential)	General HVAC	REPLACE DUCTLESS HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR25-0147	2025-04-09	Residential	3650 Glazier Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR25-0146	2025-02-15	Residential	3132 W Dobson Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0145	2025-02-08	Residential	2059 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0143	2025-04-09	Residential	2669 Page Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0142	2025-02-13	Residential	2175 Ardenne Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0141	2025-02-26	Residential	1613 Dicken Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0137	2025-02-07	Residential	223 Buena Vista Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0135	2025-03-22	Residential	1094 Greenhills Dr	Mechanical (Residential)	General HVAC	Install furnace	install furnace	No	No		
MECHR25-0134	2025-03-21	Residential	2796 Barclay Way	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement 60,000 BTU	No	No		
MECHR25-0133	2025-04-02	Residential	1265 Fairmount Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR25-0127	2025-04-05	Residential	3212 Alpine Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No	No		
MECHR25-0126	2025-03-13	Residential	2327 Tall Oaks Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No	No		
MECHR25-0111	2025-03-21	Residential	406 Snyder Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HOT WATER HEATER(NOT POWERVENT, NO ELEC. NEEDED FOR WATER HEATER)		No	No		
MECHR25-0109	2025-02-15	Residential	2883 Sorrento Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0108	2025-05-03	Residential	3440 Andover Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (Install A/C in the spring)		No	No		
MECHR25-0101	2025-02-22	Residential	3330 Edgewood Dr	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-0092	2025-02-15	Residential	2329 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE (2) FURNACES & 1 AIR CONDITIONER		No	No		
MECHR25-0090	2025-02-26	Residential	2158 Yorktown Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0089	2025-02-07	Residential	2637 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0088	2025-02-07	Residential	2612 Sequoia Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR25-0087	2025-02-07	Residential	3133 Baylis Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR25-0083	2025-04-02	Residential	3292 Rosedale St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR25-0079	2025-04-15	Residential	135 W Oakbrook Dr	Mechanical (Residential)	General HVAC	furnace and air conditioner replacement (reconnect)		No	No		
MECHR25-0077	2025-03-19	Residential	3464 Platt Rd	Mechanical (Residential)	General HVAC	replace furnace/ac		No			
MECHR25-0076	2025-04-03	Residential	2860 Briarcliff St	Mechanical (Residential)	General HVAC	Install Trane S9X2 Stage 60,000 BTU Furnace (Rehook)	Install Trane S9X2 2 Stage 60,000 BTU Furnace	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR25-0073	2025-03-21	Residential	525 N Main St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-0072	2025-04-11	Residential	3212 Brackley Dr	Mechanical (Residential)	General HVAC	HVAC for remodel	venting for bath fan, two new supply, 1 return duct	No	No		
MECHR25-0066	2025-07-27	Residential	3236 Bluett Dr	Mechanical (Residential)	General HVAC	Install new furnace	Install a new furnace	No	No		
MECHR25-0061	2025-08-16	Residential	1904 Landmark Ct	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR25-0060	2025-02-13	Residential	566 Heritage Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0055	2025-04-23	Residential	1011 Vaughn St	Mechanical (Residential)	General HVAC	Remove and replace furnace. Install A/C.		No	No		
MECHR25-0053	2025-03-22	Residential	16 Northwick Ct	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-0052	2025-02-16	Residential	1112 Hasper Dr	Mechanical (Residential)	General HVAC	80% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	80% 60K BTU FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR25-0049	2025-02-09	Residential	1055 Westaire Way	Mechanical (Residential)	General HVAC	Install combination boiler		No	No		
MECHR25-0048	2025-04-04	Residential	121 N Division St	Mechanical (Residential)	General HVAC	Replace furnace and AC	Replace Furnace and Air conditioner.	No	No		
MECHR25-0045	2025-01-24	Residential	2235 S Main St	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR25-0034	2025-02-12	Residential	3471 Richmond Ct	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR25-0033	2025-05-04	Residential	2655 Powell Ave	Mechanical (Residential)	General HVAC	HVAC for a new build	HVAC for a new build	No	No		
MECHR25-0031	2025-05-21	Residential	436 S First St	Mechanical (Residential)	General HVAC	Adding (1) ductless mini split heat/cool unit, vent (1) range hood and (1) bath fan		Yes	No		Mini Split
MECHR25-0030	2025-03-22	Residential	410 Fountain St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR25-0026	2025-02-13	Residential	2915 Salem Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR25-0025	2025-01-24	Residential	318 S Thayer St	Mechanical (Residential)	General HVAC	` REPLACE FURNACE - RE-ACTIVATION PERMIT FROM 2013 PERMIT #MECH13-1050`	` REPLACE FURNACE - RE-ACTIVATION PERMIT FROM 2013	No	No		
MECHR25-0024	2025-04-19	Residential	3116 Overridge Dr	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR25-0023	2025-05-23	Residential	3342 Tacoma Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0019	2025-03-22	Residential	3267 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR25-0018	2025-01-06 15:30:50	Residential	506 Snyder Ave	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR25-0017	2025-02-20	Residential	2041 Greenview Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR25-0016	2025-02-19	Residential	773 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace furnace and re-route dryer vent to outside of garage	replace furnace and re-route dryer vent to outside of the ga	No	No		
MECHR25-0015	2025-01-30	Residential	1000 Brooks St 1	Mechanical (Residential)	General HVAC	furnace and ac install	replaced furnace and ac	No	No		
MECHR25-0014	2025-01-30	Residential	1000 Brooks St 2	Mechanical (Residential)	General HVAC	furnace and ac install	installed furnace and ac unit 1	No	No		
MECHR25-0013	2025-07-16	Residential	1307 W Madison St	Mechanical (Residential)	General HVAC	furnace and ductwork and ac install in attic	only installing furnace and ac in attic and ductwork	No	No		
MECHR25-0010	2025-09-30 11:07:16	Residential	2010 Long Shore Dr	Mechanical (Residential)	General HVAC	hvac system for a new addition to the home	installing new furnace, air conditioner, gas lines and ductw	No	No		
MECHR25-0008	2025-03-07	Residential	1620 Kearney Rd	Mechanical (Residential)	General HVAC	Replace furnace and a/c		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR25-0003	2025-01-22	Residential	1123 Birk Ave	Mechanical (Residential)	General HVAC	Furnace and air conditioner installation	Furnace and air conditioner installation	No	No		
MECHR25-0001	2025-06-07	Residential	1128 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR24-3429	2025-02-15	Residential	1900 Lindsay Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3424	2025-10-28 10:15:44	Residential	3425 Ferry St	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3422	2025-11-20 12:58:34	Residential	1009 Berkshire Rd	Mechanical (Residential)	General HVAC	replace furnace, AC, adjust ductwork and gas lines	replace furnace, AC, adjust ductwork, gas lines	No	No		
MECHR24-3421	2025-02-13	Residential	1918 Day St	Mechanical (Residential)	General HVAC	furnace replacement	replace furnace	No	No		
MECHR24-3419	2025-01-26	Residential	2 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-3418	2025-01-29	Residential	2115 Foss Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, HOT WATER HEATER, HUMIDIFIER		No	No		
MECHR24-3414	2025-02-20	Residential	3494 Burbank Dr	Mechanical (Residential)	General HVAC	Furnace replacement and bathroom fan	Replacing furnace and bathroom exhaust	No	No		
MECHR24-3413	2025-04-11	Residential	2250 Indian Creek Cir	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-3405	2025-05-17	Residential	1507 Woodland Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3403	2025-03-27	Residential	3089 Turnberry Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3402	2025-01-14	Residential	630 Second St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3401	2025-01-25	Residential	244 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR24-3399	2025-01-29	Residential	2730 Manchester Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-3396	2025-01-29	Residential	3683 Middleton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3391	2025-04-23	Residential	411 N State St	Mechanical (Residential)	General HVAC	Remove and replace furnace and A/C		No	No		
MECHR24-3388	2025-02-13	Residential	308 W Jefferson St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, AND HUM	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-3386	2025-03-18	Residential	2631 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR24-3384	2025-06-27	Residential	2220 Walter Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR24-3383	2025-01-18	Residential	1404 W Liberty St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-3380	2025-12-17	Residential	3015 Cedarbrook Rd	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-3378	2025-02-20	Residential	3209 Nordman Rd	Mechanical (Residential)	General HVAC	FURNACE / AC REPLACEMENT	FURNACE / AC REPLACEMENT	No	No		
MECHR24-3372	2025-03-19	Residential	2618 Manchester Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3369	2025-03-07	Residential	609 Cloverdale Rd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-3357	2025-02-14	Residential	3235 Kilburn Park Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-3354	2025-02-27 11:00:09	Residential	1147 Traver St	Mechanical (Residential)	General HVAC	` Renewing Mech 18-1248  All Roughs Completed  Just need final inspection.`	` Renewing Mech 18-1248All Roughs CompletedJust need f	No	No		
MECHR24-3351	2025-05-16	Residential	502 S First St	Mechanical (Residential)	General HVAC	INSTALL AC	INSTALL AC	No	No		
MECHR24-3337	2025-07-23	Residential	105 Ponds View Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-3336	2025-02-02	Residential	1311 Iroquois Pl	Mechanical (Residential)	General HVAC	replace AC/Humidifier		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR24-3335	2025-01-22	Residential	2315 Tall Oaks Dr	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c		No	No		
MECHR24-3334	2025-01-30	Residential	677 Skynob Dr	Mechanical (Residential)	General HVAC	replace furnace and adding heat pump	replace furnace and add heat pump	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-3331	2025-03-12	Residential	534 Cloverdale Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-3330	2025-03-22	Residential	3575 Fox Hunt Dr	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL A FURNACE	No	No		
MECHR24-3328	2025-02-06	Residential	3035 Brockman Blvd	Mechanical (Residential)	General HVAC	Furnace and A/C replacement	Furnace and A/C replacement	No	No		
MECHR24-3325	2025-01-17 16:05:37	Residential	10 W Eden Ct	Mechanical (Residential)	General HVAC	Furnace replacement	Furnace replacement	No	No		
MECHR24-3324	2025-01-15	Residential	101 Longman Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3323	2025-02-07 10:25:05	Residential	1450 Marlborough Dr	Mechanical (Residential)	General HVAC	Install new furnace; 90,000, 80% efficiency, and a chimney liner	Install new 90,000 BTU 80% furnace and chimney liner	No	No		
MECHR24-3318	2025-02-12	Residential	502 Burson Pl	Mechanical (Residential)	General HVAC	install a furnace	INSTALL A FURNACE	No	No		
MECHR24-3317	2025-07-09	Residential	2308 Brockman Blvd	Mechanical (Residential)	General HVAC	Install new furnace, air conditioner, humidifier and ductwork for new addition and renovation	Install new furnace and AC. Install humidifier. Ductwork fo	No	No		
MECHR24-3314	2025-01-17	Residential	695 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-3313	2025-01-22	Residential	1915 Winsted Blvd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-3312	2025-04-17	Residential	450 Cloverdale Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND INSTALL NEW AIR CONDITIONER		No	No		
MECHR24-3311	2025-01-23	Residential	1865 Greenview Dr	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR24-3309	2024-12-22	Residential	842 Westwood Ave	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement	No	No		
MECHR24-3308	2025-04-05	Residential	705 Arlington Blvd	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES, 2 AC'S AND 2 HUMIDIFIERS	REPLACE 2 FURNACES, 2 AC'S AND 2 HUMIDIFERS	No	No		
MECHR24-3303	2025-04-02	Residential	1551 Jones Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-3301	2025-08-24	Residential	100 Mason Ave	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement	No	No		
MECHR24-3299	2025-05-24	Residential	2836 Colony Rd	Mechanical (Residential)	General HVAC	`FURNACE REPLACEMENT (RE-CONNECT) 80% 80K BTU`	`FURNACE REPLACEMENT (RE-CONNECT) 80% 80K BTU`	No	No		
MECHR24-3297	2025-01-16	Residential	2603 Meade Ct	Mechanical (Residential)	General HVAC	`FURNACE REPLACEMENT (RE-CONNECT) 80% 80K BTU`	`FURNACE REPLACEMENT (RE-CONNECT)80% 80K BTU`	No	No		
MECHR24-3294	2025-01-17	Residential	1212 Snyder Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-3289	2025-07-18	Residential	1130 Lincoln Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, WATER HEATER, AND HUMIDIFIER		No	No		
MECHR24-3282	2025-04-10	Residential	1904 Crestland Dr	Mechanical (Residential)	General HVAC	replace furnace and chimney liner	REPLACE FURNACE AND CHIMNEY LINER	No	No		
MECHR24-3274	2025-02-26	Residential	3191 Asher Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-3271	2025-05-30	Residential	509 W Hoover Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3270	2025-01-09	Residential	2155 Blaney Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-3268	2025-04-23	Residential	1407 Broadway St	Mechanical (Residential)	General HVAC	Install MiniSplit and Bath Fan Exhaust	Addition	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-3267	2025-03-01	Residential	4 Ridgemor Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-3266	2025-02-05	Residential	3357 Tacoma Cir	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL FURNACE & HUMIDIFIER	No	No		
MECHR24-3263	2025-01-24	Residential	1417 Golden Ave	Mechanical (Residential)	General HVAC	INSTALL A HEAT PUMP & AIR HANDLER	INSTALL HEAT PUMP & AIR HANDLER	Yes	Yes		Unspecified
MECHR24-3262	2025-05-14 14:13:15	Residential	1121 Saunders Cres	Mechanical (Residential)	General HVAC	hvac	hvac	No	No		
MECHR24-3261	2025-01-30	Residential	3278 Bolgos Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3260	2025-04-16	Residential	828 Brookwood Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-3254	2025-01-09	Residential	1289 King George Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3253	2025-03-09	Residential	3156 Dolph Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3252	2025-04-04	Residential	2608 Nadia Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-3247	2025-06-18	Residential	320 S Seventh St	Mechanical (Residential)	General HVAC	Mitsubishi heat pump	Mitsubishi air handler and wall unit	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-3246	2025-02-27	Residential	900 Westwood Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-3245	2025-01-22	Residential	2346 Fernwood Ave	Mechanical (Residential)	General HVAC	Replace furnace, hot water tank and ac	Replace furnace, hot water tank and ac	No	No		
MECHR24-3244	2025-01-17	Residential	1934 Boulder Dr	Mechanical (Residential)	General HVAC	Furnace and A/C replacement	replace furnace and A/C	No	No		
MECHR24-3237	2025-02-01	Residential	369 Park Lake Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3235	2025-03-27	Residential	2740 Packard Rd	Mechanical (Residential)	General HVAC	replace furnace/ac	replace furnace/ac	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-3227	2025-03-05	Residential	547 Detroit St	Mechanical (Residential)	General HVAC	Install new gas furnace	Install new gas furnace	No	No		
MECHR24-3225	2025-04-09	Residential	2758 Briarcliff St	Mechanical (Residential)	General HVAC	Install Amana Everest 96% 2 Stage 60,000 BTU Furnace (rehook)		No	No		
MECHR24-3219	2024-12-26	Residential	648 Burr Oak Dr	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR24-3217	2025-02-13	Residential	2837 Renfrew St	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC, COIL, HUMIDIFIER	INSTALL FURNACE, AC, COIL, HUMIDIFIER	No	No		
MECHR24-3211	2025-03-15	Residential	1725 Dexter Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-3209	2025-01-17	Residential	3124 Sunnywood Dr	Mechanical (Residential)	General HVAC	install furnace	INSTALL FURNACE	No	No		
MECHR24-3208	2025-03-06	Residential	3274 Bolgos Cir	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-3205	2025-01-29	Residential	2420 Bunker Hill Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-3204	2025-03-22	Residential	3224 Monument	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-3197	2024-12-21	Residential	1517 S University Ave	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-3196	2025-12-12	Residential	518 N Seventh St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-3188	2024-12-26	Residential	3097 Turnberry Ln	Mechanical (Residential)	General HVAC	replace air conditioner	replace air conditioner	No	No		
MECHR24-3173	2024-12-26	Residential	2964 Philadelphia Dr	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR24-3151	2025-03-14	Residential	1620 Sheridan Dr	Mechanical (Residential)	General HVAC	Replace 80k Carrier furnace	Replace 80k Carrier furnace	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-3148	2025-05-03	Residential	3243 Kilburn Park Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3147	2025-02-07	Residential	761 Peninsula Ct	Mechanical (Residential)	General HVAC	`Air Conditioner replacement. Dryer vent installation.`	Replacement of Dyer Venting and Air Condition unit.	No	No		
MECHR24-3146	2025-03-06	Residential	2200 Runnymede Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-3143	2024-12-13	Residential	15 Geddes Heights Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3142	2025-02-12	Residential	2794 Page Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3137	2025-01-25	Residential	3465 Ashburnam Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3130	2025-01-23	Residential	2255 Placid Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, HUMIDIFIER, AND WATER HEATER		No	No		
MECHR24-3127	2025-03-05	Residential	7 Faust Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-3126	2025-05-15	Residential	3126 Springbrook Ave	Mechanical (Residential)	General HVAC	Replace/install ac	Replace/install ac	No	No		
MECHR24-3114	2025-03-01	Residential	1015 Michigan Ave	Mechanical (Residential)	General HVAC	INSTALL A FURNACE & 40 gallon standard vent gas water heater	INSTALL A FURNACE	No	No		
MECHR24-3113	2025-08-27	Residential	1872 Arlington Blvd	Mechanical (Residential)	General HVAC	HVAC for a new build	Air Conditioner	No	No		
MECHR24-3112	2024-12-21	Residential	3027 Lakehaven Ct	Mechanical (Residential)	General HVAC	ICP standard eff gas furnace installed, replace existing		No	No		
MECHR24-3111	2025-01-24	Residential	2100 Winewood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFER		No	No		
MECHR24-3110	2024-12-11	Residential	508 Third St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-3104	2025-03-27	Residential	222 Virginia Ave	Mechanical (Residential)	General HVAC	REPLACE DUCTLESS MINI SPLIT		Yes	No		Mini Split
MECHR24-3103	2025-01-10	Residential	1410 Bardstown Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3101	2025-01-25	Residential	1930 Pontiac Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3097	2024-12-05	Residential	2957 Philadelphia Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3088	2025-05-23	Residential	1135 Church St	Mechanical (Residential)	General HVAC	Replace 110,000btu furnace and run a chimney liner.	Replace furnace due to cracked heat exchanger and run a r	No	No		
MECHR24-3087	2025-01-15	Residential	812 E Ann St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-3086	2025-05-02	Residential	805 Third St	Mechanical (Residential)	General HVAC	Installation of a furnace, air conditioner, duct work and 2 bathroom exhaust fans.	Installing a furnace, air conditioner, 2 bathroom exhaust fa	No	No		
MECHR24-3083	2024-12-28	Residential	2097 S Seventh St	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-3082	2025-02-14	Residential	1740 Timber Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-3081	2025-04-17	Residential	301 Pine Ridge St	Mechanical (Residential)	General HVAC	*Pay Invoice* INSTALL HEAT PUMP AND AIR HANDLER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-3076	2024-12-18	Residential	609 W Huron St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-3074	2025-07-25	Residential	1105 Freesia Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3072	2024-12-11	Residential	2621 Hampshire Rd	Mechanical (Residential)	General HVAC	Furnace, Air Conditioning and Hot water tank replacement	Furnace, air conditioner and hot water tank replacement.	No	No		
MECHR24-3071	2025-07-03	Residential	3636 Riverside Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-3065	2025-01-05	Residential	1401 Miller Ave	Mechanical (Residential)	General HVAC	INSTALL A HEAT PUMP & COIL	INSTALL HEAT PUMP & COIL	Yes	Yes		Unspecified
MECHR24-3063	2025-02-15	Residential	3303 Stone School Rd	Mechanical (Residential)	General HVAC	Mini split dryer exhaust and 2 bath fan	`Miniplit with 3 internal power heads Dryer exhaust and 2 bath exhausts`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-3060	2024-12-08	Residential	1203 Gardner Ave	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner	Replace furnace and air conditioner	No	No		
MECHR24-3059	2025-03-15	Residential	415 Arbana Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-3058	2025-05-01	Residential	406 Lenawee Dr	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT WITH 1 HEAD	INSTALL A MINI SPLIT WITH 1 HEAD	Yes	Yes		Mini Split
MECHR24-3057	2025-01-02	Residential	1905 E Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-3054	2025-01-15	Residential	710 Northside Ave	Mechanical (Residential)	General HVAC	`Install New A/C Rock Electrical is doing the electrical permit and wiring of A/C`		No	No		
MECHR24-3043	2024-11-21	Residential	529 N Main St	Mechanical (Residential)	General HVAC	Install new furnace and AC unit. Check water heater installed by others so permit can be pulled.	Install new furnace and AC unit. Check water heater install	No	No		
MECHR24-3039	2024-12-21	Residential	812 Sybil St	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-3028	2025-05-09	Residential	2460 Mershon Dr	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL A FURNACE	No	No		
MECHR24-3027	2025-02-16	Residential	3535 Sulgrave Pl	Mechanical (Residential)	General HVAC	replace furnace and heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-3022	2025-02-14	Residential	1150 Heather Way	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR24-3021	2025-01-05	Residential	2561 Miller Ave	Mechanical (Residential)	General HVAC	replace ac unit	replace ac unit	No	No		
MECHR24-3020	2025-01-05	Residential	2555 Miller Ave	Mechanical (Residential)	General HVAC	replace AC	replace ac unit	No	No		
MECHR24-3019	2025-01-05	Residential	2525 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3018	2025-01-04	Residential	2521 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3017	2025-01-04	Residential	2547 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3016	2025-01-05	Residential	2555 Miller Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-3015	2025-01-04	Residential	2513 Miller Ave	Mechanical (Residential)	General HVAC	replace e furnace	replace furnace	No	No		
MECHR24-2989	2025-01-26	Residential	105 Tulip Tree Ct	Mechanical (Residential)	General HVAC	replacement of furnace and 2 ton AC	replace furnace and 2 ton AC	No	No		
MECHR24-2983	2025-06-20	Residential	2388 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC install		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2982	2025-06-20	Residential	2386 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC install		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2981	2025-06-20	Residential	2384 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC install		Yes	Yes		Unspecified
MECHR24-2980	2025-04-19	Residential	860 Edward St	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-2977	2024-12-19	Residential	1902 Linwood Ave	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL A FURNACE	No	No		
MECHR24-2976	2025-03-13	Residential	1810 Traver Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-2973	2024-12-08	Residential	1140 Wendy Rd	Mechanical (Residential)	General HVAC	INSTALL 2 TON HEAT PUMP CONDENSER IN BACKYARD	INSTALL 2 TON HEAT PUMP CONDENSER IN BACKYARD	Yes	Yes		Unspecified
MECHR24-2972	2024-12-20	Residential	1331 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND WATER HEATER	REPLACE FURNACE AND WATER HEATER	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2967	2025-01-30	Residential	1275 Bardstown Trl	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-2962	2024-12-18	Residential	3000 Omlesaad Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2960	2025-01-07	Residential	1496 Maywood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2959	2025-01-08	Residential	2979 S Foxridge Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-2958	2024-12-18	Residential	807 Princeton Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2957	2025-01-15	Residential	122 Worden Ave	Mechanical (Residential)	General HVAC	Install Heat Pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2952	2024-12-25	Residential	908 Bruce St	Mechanical (Residential)	General HVAC	install a 2 zone mitsubishi hyperheat	adding heating and cooling to the upstairs of home	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2949	2024-12-15	Residential	2855 Quail Hollow Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFER	No	No		
MECHR24-2948	2025-02-20	Residential	2651 Emerald Ave	Mechanical (Residential)	General HVAC	MINISPLIT, HEAT PUMP		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2940	2024-12-13	Residential	628 Fountain St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2938	2025-01-10	Residential	1692 Glenwood Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2936	2024-12-28	Residential	1608 Westminster Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2932	2025-05-03	Residential	2980 Hickory Ln	Mechanical (Residential)	General HVAC	Replace/install furnace	Replace/install furnace and humidifier.	No	No		
MECHR24-2931	2025-10-31	Residential	507 Heritage Dr	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-2929	2025-03-12	Residential	2607 Beacon Hill St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-2919	2025-06-26	Residential	208 Chapin St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-2918	2025-07-17	Residential	3480 Burbank Dr	Mechanical (Residential)	General HVAC	FURNACE, AC		No	No		
MECHR24-2917	2025-02-20	Residential	1133 Pomona Rd	Mechanical (Residential)	General HVAC	AC		No	No		
MECHR24-2916	2026-02-20 13:33:48	Residential	700 Pauline Blvd	Mechanical (Residential)	General HVAC	Replace a/c and furnace. Duct work and exhaust	Replace a/c and Furnace duct work and exhaust	No	No		
MECHR24-2913	2024-11-28	Residential	644 N Fourth Ave	Mechanical (Residential)	General HVAC	replace furnace and a/c	replace furnace and a/c	No	No		
MECHR24-2911	2025-01-16	Residential	210 S First St	Mechanical (Residential)	General HVAC	Heat pump installation		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2910	2024-12-04	Residential	2815 Beacon Hill St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2908	2024-12-26	Residential	102 E Kingsley St	Mechanical (Residential)	General HVAC	INSTALL A SINGLE ZONE HEAT PUMP	INSTALL A SINGLE ZONE HEAT PUMP	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2907	2025-01-02	Residential	1636 Cherokee Rd	Mechanical (Residential)	General HVAC	`Installed 80,000 Furnace 96% efficiency. 3 ton air condition and 40 gallon water tank`	`Replaced 80,000 Furnace 96%. 3 ton air condition and 40	No	No		
MECHR24-2904	2025-01-04	Residential	1800 Mershon Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND ADD AIR CONDITIONER		No	No		
MECHR24-2903	2025-11-14	Residential	2125 Ardenne Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-2902	2025-03-07	Residential	2591 Avant Ave 114	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2901	2025-03-07	Residential	2591 Avant Ave 113	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2900	2025-03-07	Residential	2591 Avant Ave 112	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2899	2025-03-07	Residential	2591 Avant Ave 111	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2898	2025-03-07 11:41:28	Residential	2591 Avant Ave 110	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2897	2025-03-07	Residential	2591 Avant Ave 109	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2896	2025-03-07	Residential	2591 Avant Ave 108	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2895	2025-03-07	Residential	2591 Avant Ave 107	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2894	2025-03-07	Residential	2591 Avant Ave 106	Mechanical (Residential)	General HVAC	HVAC		No	No		
MECHR24-2893	2025-03-07	Residential	2591 Avant Ave 105	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2892	2025-03-07	Residential	2591 Avant Ave 104	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2891	2025-03-07	Residential	2591 Avant Ave 103	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2890	2025-03-07	Residential	2591 Avant Ave 102	Mechanical (Residential)	General HVAC	HVAC	HVAC	No	No		
MECHR24-2889	2025-03-07	Residential	2591 Avant Ave 101	Mechanical (Residential)	General HVAC	install furnace	HVAC	No	No		
MECHR24-2888	2024-12-13	Residential	3415 Yellowstone Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-2886	2024-12-11	Residential	1820 Crestland Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2884	2024-12-11	Residential	221 W Ann St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-2881	2025-03-01	Residential	3195 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-2879	2024-12-07	Residential	345 Rock Creek Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-2878	2025-01-16	Residential	3400 Cromwell Ct	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement	No	No		
MECHR24-2876	2025-02-07	Residential	221 Eighth St	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS MINI SPLIT		Yes	No		Mini Split
MECHR24-2875	2024-12-29	Residential	1914 Day St	Mechanical (Residential)	General HVAC	REPLACE DUCTLESS HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2870	2025-08-23	Residential	2611 Hawthorn Rd	Mechanical (Residential)	General HVAC	Installing bathroom exhaust and kitchen exhaust, 2 furnaces, 2 air conditioners, and gas piping. Mini-split & (2) erv's added (8.20)	Installing 6 bathroom exhaust and 1 kitchen exhaust, 2 furnaces, 2 air conditioners, and gas line.	Yes	No		Mini Split
MECHR24-2864	2024-12-04	Residential	804 Third St	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-2859	2024-12-22	Residential	1807 Arborview Blvd	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL A FURNACE	No	No		
MECHR24-2853	2025-01-22	Residential	529 Fifth St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2851	2024-11-29	Residential	1835 Cambridge Rd	Mechanical (Residential)	General HVAC	INSTALL MULTI-ZONE HEAT PUMP	INSTALL A MULTI-ZONE HEAT PUMP	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2850	2024-11-17	Residential	545 S Fifth Ave 2	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2849	2024-12-13	Residential	1400 Russell Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2846	2025-02-07	Residential	213 S Revena Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS WATER HEATER WITH GAS WATER HEATER, FURNACE		No	No		
MECHR24-2845	2025-04-19	Residential	65 Westover Ave	Mechanical (Residential)	General HVAC	replace furnace/ac	replace furnace/ac	No	No		
MECHR24-2844	2024-12-29	Residential	309 Mark Hannah Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2842	2024-12-29	Residential	3416 Sussex Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2835	2025-04-25	Residential	3092 Woodmanor Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-2834	2024-11-28	Residential	2942 Aurora St	Mechanical (Residential)	General HVAC	replace furnace/ humidifier *replacement for MECHC24-1079*	replace furnace/humidifier	No	No		
MECHR24-2833	2025-07-09	Residential	555 Long Shore Dr B	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-2828	2025-02-18 08:50:24	Residential	2108 Alice St	Mechanical (Residential)	General HVAC	Install ductless mini split for 2nd floor bedrooms	Install ductless mini split for 2nd floor remodel	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2827	2025-02-14	Residential	1135 Newport Rd	Mechanical (Residential)	General HVAC	`Ductwork for remodel Furnace and AC replacement`	`Furnace and AC replacement Ductwork modifications for	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2825	2024-12-06	Residential	2225 Garden Homes Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2824	2025-01-10	Residential	1276 Kuehnle Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-2822	2024-12-18	Residential	2910 Marshall St	Mechanical (Residential)	General HVAC	Furnace and water heater installation	Furnace and water heater installation	No	No		
MECHR24-2820	2024-11-19	Residential	1301 S Seventh St	Mechanical (Residential)	General HVAC	Installation of a new AC and Furnace and removal of the old AC and Furnace	Installation of a new AC and Furnace and removal of the ol	No	No		
MECHR24-2817	2025-02-14	Residential	510 Fifth St	Mechanical (Residential)	General HVAC	Home addition ducted mini split system and one bath fan vent	install ducted mini split system and bath fan vent	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2816	2024-12-06	Residential	3064 Turnberry Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2815	2024-12-29	Residential	4 Bristol Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2813	2024-12-06	Residential	522 Glendale Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2810	2025-03-04	Residential	1526 Newport Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2808	2025-04-27	Residential	454 Fifth St	Mechanical (Residential)	General HVAC	Replace/install heat pump and furnace.	Replace/install heat pump and furnace.	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2807	2024-12-19	Residential	1208 Crosby Cres	Mechanical (Residential)	General HVAC	Install new furnace 80,00 BTU	Furnace Installation	No	No		
MECHR24-2804	2025-06-12 16:15:26	Residential	209 N Seventh St 1	Mechanical (Residential)	General HVAC	install new duct work,furnace,and a/c		No	No		
MECHR24-2803	2025-03-01	Residential	3020 Birch Hollow Dr	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-2802	2024-12-19	Residential	2724 Glenbridge Ct	Mechanical (Residential)	General HVAC	Install furnace, humidifier, water heater - replacement.		No	No		
MECHR24-2801	2025-01-23	Residential	3321 Alton Ct	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR24-2800	2024-12-19	Residential	1942 Peppermill Way	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-2793	2025-03-26	Residential	2109 Pauline Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, HUMIDIFIER, AND AIR CONDITIONER		No	No		
MECHR24-2792	2025-06-06	Residential	1729 Charlton Ave	Mechanical (Residential)	General HVAC	Replace 60K BTU furnace	Replace 60K BTU furnace	No	No		
MECHR24-2789	2025-01-04	Residential	1910 Sunrise St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR24-2786	2025-02-14	Residential	3000 Glazier Way 160	Mechanical (Residential)	General HVAC	Replace Furnace x2	Replace Furnace x2	No	No		
MECHR24-2785	2024-12-12	Residential	1309 Prescott Ave	Mechanical (Residential)	General HVAC	Furnace & A/C Replacement Including electrical reconnect. Two Systems for Apts. One & Two		No	No		
MECHR24-2784	2025-04-20	Residential	1322 Brooklyn Ave	Mechanical (Residential)	General HVAC	Replace/install furnace, heat pump, and humidifier.	Replace/install furnace, heat pump, humidifier.	Yes	Yes		Unspecified
MECHR24-2774	2024-11-15	Residential	2710 Cumberland Ave	Mechanical (Residential)	General HVAC	Replaced failed furnace.	Replaced failed furnace, no exterior work.	No	No		
MECHR24-2772	2024-12-05	Residential	1499 Maywood Ave	Mechanical (Residential)	General HVAC	Install mini split		Yes	No		Mini Split
MECHR24-2771	2024-12-12	Residential	1824 Waverly Rd	Mechanical (Residential)	General HVAC	Replace existing furnace with new furnace	Replace existing furnace with new furnace	No	No		
MECHR24-2770	2024-12-06	Residential	1175 Ravenwood Ave	Mechanical (Residential)	General HVAC	Replace furnace and A/C		No	No		
MECHR24-2769	2025-10-02	Residential	1207 W Madison St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2768	2025-01-24	Residential	117 Worden Ave	Mechanical (Residential)	General HVAC	Furnace replacement	Replace furnace	No	No		
MECHR24-2767	2026-01-29	Residential	1445 Argyle Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-2763	2025-04-30	Residential	814 Pauline Blvd	Mechanical (Residential)	General HVAC	FURNACE, LINER, HOT WATER HEATER		No	No		
MECHR24-2762	2024-11-19	Residential	3158 Shamrock Ct	Mechanical (Residential)	General HVAC	Replacement of Furnace, AC, and water heater	Replace AC, Furnace, and Water Heater	No	No		
MECHR24-2761	2025-03-07	Residential	3344 Yellowstone Dr	Mechanical (Residential)	General HVAC	Replace furnace and a/c install erv		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2759	2025-02-01	Residential	2623 Sequoia Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-2757	2024-11-24	Residential	721 Soule Blvd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT WITH ONE WALL UNIT	INSTALL MINI SPLIT WITH ONE WALL UNIT	Yes	Yes		Mini Split
MECHR24-2754	2024-12-11	Residential	210 S Revena Blvd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2753	2025-01-09	Residential	908 Church St	Mechanical (Residential)	General HVAC	REPLACING FURNACE & AC	REPLACEMENT FURNACE & AC	No	No		
MECHR24-2746	2024-12-29	Residential	2948 W Whittier Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2745	2024-12-29	Residential	2118 Springwood Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2744	2024-11-17	Residential	2730 Gladstone Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2743	2025-01-18	Residential	1515 Saunders Cres	Mechanical (Residential)	General HVAC	INSTALL GAS FURNACE	INSTALL GAS FURNACE	No	No		
MECHR24-2742	2025-02-07	Residential	1921 Hampton Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2741	2025-01-29	Residential	2625 Antietam Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR24-2738	2024-11-29	Residential	1 Hillside Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-2737	2024-12-19	Residential	2701 Lowell Rd	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-2735	2025-01-10	Residential	1208 Granger Ave 1	Mechanical (Residential)	General HVAC	INSTALL A FURNACE	INSTALL A FURNACE	No	No		
MECHR24-2734	2024-10-27	Residential	910 Greenwood Ave	Mechanical (Residential)	General HVAC	replace furnace and a/c		No	No		
MECHR24-2731	2025-04-02	Residential	2800 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2730	2025-01-25	Residential	737 Skynob Dr	Mechanical (Residential)	General HVAC	Replace/install electric water heater, heat pump, furnace, humidifier.	Replace/install electric water heater, heat pump, furnace,	Yes	Yes		Unspecified
MECHR24-2722	2024-11-29	Residential	1713 Abbott Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER	REPLACE FURNAC AND CHIMNEY LINER	No	No		
MECHR24-2720	2024-12-13	Residential	2225 Steeplechase Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-2718	2025-02-20	Residential	110 E Kingsley St	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER, LINER		No	No		
MECHR24-2717	2025-07-25	Residential	1412 Iroquois Pl	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2711	2024-12-28	Residential	225 Murray Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE & HEAT PUMP	INSTALL FURNACE & HEAT PUMP	Yes	Yes		Unspecified
MECHR24-2709	2025-02-28	Residential	810 Westwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2708	2024-11-22	Residential	1513 Martha Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2707	2024-12-18	Residential	1924 Dunmore Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2701	2025-07-19	Residential	3052 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2698	2024-12-29	Residential	168 Ashley Mews	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & ELEC WATER HEATER WITH ELEC WATER HEATER		No	No		
MECHR24-2695	2025-01-05	Residential	3845 Wynnstone Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-2692	2024-12-12	Residential	2106 Tibbitts Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-2691	2025-04-19	Residential	1420 Burgundy Rd	Mechanical (Residential)	General HVAC	replace furnace/ac		No	No		
MECHR24-2679	2025-03-11	Residential	2406 Foxway Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-2678	2025-09-05	Residential	819 Russett Rd	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP, AIR HANDLER, HUMIDIFIER, VENTING FOR RANGE HOOD & BATH FAN	INSTALL HEAT PUMP, AIR HANDLER, HUMIDIFIER, VENTIN	Yes	Yes		Unspecified
MECHR24-2675	2024-11-29	Residential	1610 Westminster Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-2674	2025-02-22	Residential	2603 Avant Ave 107	Mechanical (Residential)	General HVAC	INSTALL HVAC	INSTALL HVAC	No	No		
MECHR24-2673	2025-02-22	Residential	2603 Avant Ave 106	Mechanical (Residential)	General HVAC	INSTALL HVAC	INSTALL HVAC	No	No		
MECHR24-2672	2025-02-22	Residential	2603 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL HVAC	No	No		
MECHR24-2671	2025-02-22	Residential	2603 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2670	2025-02-22	Residential	2603 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2669	2025-02-22	Residential	2603 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2668	2025-02-22	Residential	2603 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2666	2024-11-15	Residential	1606 Ferndale Pl	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2664	2024-10-30	Residential	1898 Lindsay Ln	Mechanical (Residential)	General HVAC	Replace furnace and A/C		No	No		
MECHR24-2660	2025-03-12	Residential	904 S Forest Ave	Mechanical (Residential)	General HVAC	replace furnace & ac	replace furnace & ac	No	No		
MECHR24-2659	2025-03-29	Residential	1505 Woodcreek Blvd	Mechanical (Residential)	General HVAC	GEOTHERMAL, LOOP FIELD, 2 WATER HEATERS		Yes	Yes	Geothermal	Geothermal
MECHR24-2658	2025-01-01	Residential	1515 Pontiac St	Mechanical (Residential)	General HVAC	2 bath fans, 2 heat runs, ductless heat pump	2 bath fans, 2 heat runs, ductless heat pump	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2656	2025-01-17	Residential	3188 Rumsey Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-2655	2025-04-20	Residential	212 W Summit St	Mechanical (Residential)	General HVAC	replace air conditioner with heat pump and replace water heater with hybrid water heater	replace air conditioner with heat pump replace electric wa	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2644	2024-10-17	Residential	821 Packard St	Mechanical (Residential)	General HVAC	replace furnace-a/c and power vent water heater		No	No		
MECHR24-2643	2024-11-17	Residential	1617 Cambridge Rd	Mechanical (Residential)	General HVAC	replace old air handler and air conditioner	replace existing air handler and air conditioner	No	No		
MECHR24-2642	2025-01-29	Residential	265 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2641	2025-02-14	Residential	3266 Woe-Be-Tide	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR24-2638	2024-11-22	Residential	3386 Carl Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2637	2024-11-17	Residential	802 Granger Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2631	2025-01-10	Residential	3134 Sunnywood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2628	2025-01-10	Residential	1403 Charlton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2627	2025-01-15	Residential	2337 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2626	2025-04-03	Residential	2864 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR24-2622	2024-11-08	Residential	1806 Waverly Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2621	2024-10-31	Residential	774 Dellwood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2619	2024-12-06	Residential	2960 Sheffield Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2618	2024-10-31	Residential	3410 Vintage Valley Rd	Mechanical (Residential)	General HVAC	REPLACE (2) AIR CONDITIONERS		No	No		
MECHR24-2617	2024-12-29	Residential	683 Wembley Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2616	2024-12-29	Residential	1775 Northbrook Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2614	2024-12-16	Residential	937 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace 80K furnace, humidifier, and 2ton AC (rear)	Replace 80K furnace, humidifier, and 2ton AC (rear)	No	No		
MECHR24-2613	2025-04-16	Residential	1906 Dogwood Ct	Mechanical (Residential)	General HVAC	install replacement furnace	Replace furnace	No	No		
MECHR24-2612	2025-02-07	Residential	2813 Barclay Way	Mechanical (Residential)	General HVAC	Furnace and AC replacement	furnace and AC replacement	No	No		
MECHR24-2611	2024-11-10	Residential	311 W William St	Mechanical (Residential)	General HVAC	Install A/C		No	No		
MECHR24-2610	2025-02-26	Residential	3175 Birchwood Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, HUMIDIFIER, AND WATER HEATER		No	No		
MECHR24-2601	2024-10-31	Residential	1421 Kirtland Dr	Mechanical (Residential)	General HVAC	REPLACE EXISTING AIR CONDITIONER AND RECONNECT TO EXISTING ELECTRICAL	REPLACE EXISTING AIR CONDITIONER AND RECONNECT T	No	No		
MECHR24-2600	2025-01-17	Residential	1570 Covington Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-2599	2024-10-31	Residential	517 W Summit St B	Mechanical (Residential)	General HVAC	HEATING COOLING AND WATER HEATER	REPLACE FURNACE, AC, AND WATER HEATER	No	No		
MECHR24-2598	2025-04-20	Residential	1526 Kuehnle Ave	Mechanical (Residential)	General HVAC	Replace/install furnace and humidifier.	Replace/install furnace and humidifier.	No	No		
MECHR24-2597	2024-11-19	Residential	3570 Frederick Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-2595	2024-11-29	Residential	3869 Waldenwood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-2592	2024-10-29	Residential	522 W Hoover Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER		No	No		
MECHR24-2591	2024-10-29	Residential	520 W Hoover Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2590	2024-10-29	Residential	518 W Hoover Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-2589	2024-11-09	Residential	3476 Richmond Ct	Mechanical (Residential)	General HVAC	Installation of a new furnace and removal of the old furnace.	installation of a new furnace and removal of the old furnac	No	No		
MECHR24-2588	2024-11-15	Residential	1619 Cherokee Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-2586	2024-12-22	Residential	305 Beakes St	Mechanical (Residential)	General HVAC	vent 2 bath fans and install mini split		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2583	2024-11-14	Residential	1609 Morton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFER	No	No		
MECHR24-2582	2025-03-25 11:06:34	Residential	3102 Bolgos Cir	Mechanical (Residential)	General HVAC	Bring furnace and water tank up to code	Bring water tank up to code	No	No		
MECHR24-2577	2024-11-20	Residential	1485 Greenview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-2576	2024-10-29	Residential	2855 Lakehurst Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2575	2024-12-14	Residential	3074 Creek Dr	Mechanical (Residential)	General HVAC	`Install Amana Everest 96% 2 Stage 80,000 BTU B-CAB Furnace  Install April Aire 1210 Media Cleaner Install Air Increaser`		No	No		
MECHR24-2574	2025-06-20	Residential	2379 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC Installation	HVAC Installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2573	2025-06-20	Residential	2377 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC Installation	HVAC Installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2572	2025-06-20	Residential	2375 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC Installation	HVAC Installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2571	2025-06-20	Residential	2373 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC Installation	HVAC Installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2570	2025-06-20	Residential	2369 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC Installation	HVAC Installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2568	2025-02-14	Residential	613 S First St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-2564	2024-12-15	Residential	2312 Packard St	Mechanical (Residential)	General HVAC	replace water heater ADD: Mitsubishi mini standard heat system	installing Pheem ProPH50 water heater	Yes	Yes		Unspecified
MECHR24-2561	2024-11-15	Residential	440 Spring St	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR24-2560	2024-10-31	Residential	3212 Hayes Ct	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR24-2548	2024-11-10	Residential	464 Eberwhite Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2547	2024-10-26	Residential	723 Peninsula Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2546	2024-10-19	Residential	941 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2545	2024-10-30	Residential	2173 Hemlock Dr	Mechanical (Residential)	General HVAC	Furnace installation	Furnace installation	No	No		
MECHR24-2541	2025-06-26	Residential	3381 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-2527	2024-11-15	Residential	1120 N Maple Rd	Mechanical (Residential)	General HVAC	Replace 70k Carrier Furnace	Replace 70k Carrier furnace	No	No		
MECHR24-2525	2025-03-16	Residential	516 Oswego St	Mechanical (Residential)	General HVAC	Replace 2 baseboard radiators and 2 bath exhaust fans	Replace 2 baseboard radiators and 2 bath exhaust fans	No	No		
MECHR24-2524	2024-11-09	Residential	109 N Thayer St	Mechanical (Residential)	General HVAC	80% furnace replacement		No	No		
MECHR24-2523	2024-11-19 14:03:16	Residential	615 Susan Dr	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank	Replace furnace and hot water tank.	No	No		
MECHR24-2522	2024-12-12	Residential	427 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR24-2521	2024-12-05	Residential	1831 Franklin Ct N	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT W/3 HEADS	INSTALL MINI SPLIT W/3HEADS	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2519	2024-10-30	Residential	2721 Bedford Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2518	2024-12-05	Residential	2336 Prairie St	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP & AIR HANDLER	INSTALL AIR HANDLER & HEAT PUMP	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2517	2024-11-14	Residential	3121 Lakehaven Dr	Mechanical (Residential)	General HVAC	Replace existing furnace and gas water heater with new one		No	No		
MECHR24-2516	2024-12-04	Residential	617 Hiscock St	Mechanical (Residential)	General HVAC	Install Mini Split		Yes	No		Mini Split
MECHR24-2515	2024-10-30	Residential	2211 Manchester Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2514	2024-10-10	Residential	624 Fifth St	Mechanical (Residential)	General HVAC	Replace existing AC unit with new AC unit	Replace existing AC unit with new AC unit	No	No		
MECHR24-2511	2024-10-12	Residential	1504 White St	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR24-2508	2025-03-19	Residential	2159 Hemlock Dr	Mechanical (Residential)	General HVAC	Ac and furnace replaced during COVID-19 without permit		No	No		
MECHR24-2507	2025-05-03	Residential	1718 Dunmore Rd	Mechanical (Residential)	General HVAC	`- One Bathroom Exhaust Fan - One Bedroom HVAC Return Air`		No	No		
MECHR24-2506	2025-02-26	Residential	1360 Fairlane Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-2489	2025-02-21	Residential	1606 W Liberty St	Mechanical (Residential)	General HVAC	Trane system replacement, kitchen exhaust, one bath fan and duct modification	Install Trane HVAC system	No	No		
MECHR24-2488	2024-12-25	Residential	1931 Ivywood Dr	Mechanical (Residential)	General HVAC	Furnace and A/C	Install Trane HVAC system	No	No		
MECHR24-2476	2024-10-12	Residential	307 Maple Ridge St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND WATER HEATER	REPLACE FURNACE AND WATER HEATER	No	No		
MECHR24-2472	2024-10-09	Residential	3216 Monument	Mechanical (Residential)	General HVAC	Replace existing AC unit with new AC unit	Replace existing AC unit with new AC unit	No	No		
MECHR24-2470	2024-10-16	Residential	3037 Forest Creek Ct	Mechanical (Residential)	General HVAC	Replace existing AC unit with new AC unit	Replace existing AC unit with new AC unit	No	No		
MECHR24-2464	2024-10-26	Residential	2514 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2462	2024-11-08	Residential	225 Buena Vista Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE ADD: AC		No	No		
MECHR24-2461	2025-01-25	Residential	2440 Dorchester Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR24-2460	2024-11-17	Residential	1617 Morton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2458	2024-11-08	Residential	2078 Chaucer Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2457	2024-11-10	Residential	617 Fifth St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2456	2024-11-10	Residential	1360 Kensington Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2455	2024-10-13	Residential	510 Fifth St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2454	2025-05-21 12:43:06	Residential	3151 Shamrock Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2453	2024-10-09	Residential	3003 Wolverine Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2452	2024-10-05	Residential	3040 Hunting Valley Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-2449	2025-01-05	Residential	633 Ridgewood Ct	Mechanical (Residential)	General HVAC	INSTALL FRUANCE, AC, COIL & HUMIDIFIER	INSTALL FURNACE, AC, COIL & HUMIDIFIER	No	No		
MECHR24-2448	2024-10-23	Residential	3715 Glazier Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-2447	2024-10-31	Residential	1145 S Forest Ave	Mechanical (Residential)	General HVAC	Replace furnace and AC. 110,000btu furnace and 3 ton AC. Replacing the furnace due to a cracked heat exchanger and also replacing the ac due to age.	Replace furnace and ac. Furnace has a cracked heat excha	No	No		
MECHR24-2446	2024-10-23	Residential	2989 Hickory Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFER	REPLACE FURNACE, AC AND HUMIDIFER	No	No		
MECHR24-2443	2025-05-22	Residential	1514 Morton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HEAT PUMP, HUMIDIFIER AND WATER HEATER	REPLACE FURNACE, HEAT PUMP, HUMIDIFIER AND WATEI	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2441	2024-10-04	Residential	2315 Medford Rd	Mechanical (Residential)	General HVAC	Replace existing furnace with new furnace	Replace existing furnace with new furnace	No	No		
MECHR24-2440	2024-11-28	Residential	3123 Overridge Dr	Mechanical (Residential)	General HVAC	replace furnace/AC		No	No		
MECHR24-2439	2024-10-10	Residential	944 Westwood Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and AC with new furnace and AC unit	Replace existing furnace and AC with new furnace and AC	No	No		
MECHR24-2438	2024-11-06	Residential	1725 Weldon Blvd	Mechanical (Residential)	General HVAC	Replace existing furnace and AC with new furnace and AC unit	Replace existing furnace and AC with new furnace and AC	No	No		
MECHR24-2437	2024-10-24	Residential	1240 Creal Cres	Mechanical (Residential)	General HVAC	AC and furnace replacement	AC and Furnace replacement	No	No		
MECHR24-2436	2024-10-03	Residential	512 W Liberty St	Mechanical (Residential)	General HVAC	water heater and furnace		No	No		
MECHR24-2421	2024-12-13	Residential	1317 Fountain St	Mechanical (Residential)	General HVAC	Replace 70K furnace, liner, and 2.5ton AC (side)	Replace 70K furnace, liner, and 2.5ton AC (side)	No	No		
MECHR24-2420	2024-11-15	Residential	1421 Saunders Cres	Mechanical (Residential)	General HVAC	2 Ton AC replacement, Duct work and heat return	AC replacement, duct work, heat return	No	No		
MECHR24-2416	2025-01-09	Residential	25 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER		No	No		
MECHR24-2412	2025-10-08	Residential	1400 Broadway St	Mechanical (Residential)	General HVAC	Remodel - install furnace, ductwork, A/C, vent bath fan.		No	No		
MECHR24-2411	2024-10-23	Residential	2385 Foxway Dr	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-2410	2025-03-12	Residential	709 Granger Ave	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-2408	2025-04-16	Residential	2863 Kimberley Rd	Mechanical (Residential)	General HVAC	Duct work to addition/remodel, Relocate existing a/c to back right corner of home, install mini-split, vent one kitchen exhaust.	Vent kitchen exhaust, move condenser, install heat pump	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2407	2025-02-04 12:08:13	Residential	2579 Avant Ave 112	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2406	2025-02-04 12:07:06	Residential	2579 Avant Ave 111	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2405	2025-02-04 12:05:59	Residential	2579 Avant Ave 110	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2404	2025-02-04 12:04:34	Residential	2579 Avant Ave 109	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2403	2025-02-04 12:03:56	Residential	2579 Avant Ave 108	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2402	2025-02-04 12:03:15	Residential	2579 Avant Ave 107	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE	No	No		
MECHR24-2401	2025-02-04 12:02:26	Residential	2579 Avant Ave 106	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-2400	2025-02-04 12:01:52	Residential	2579 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-2399	2025-02-04 12:01:11	Residential	2579 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DCUTWORK EXHAUST FANS	No	No		
MECHR24-2398	2025-02-04 12:00:07	Residential	2579 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALLFURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-2397	2025-02-04 11:58:39	Residential	2579 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-2396	2025-02-04 11:59:22	Residential	2579 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-2395	2024-10-02	Residential	766 Lans Way	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR24-2393	2024-11-20	Residential	1803 Hill St	Mechanical (Residential)	General HVAC	Replace 120,000 BTU furnace with electrical reconnect	Replace 120,000 BTU furnace with electrical reconnect	No	No		
MECHR24-2392	2025-09-25	Residential	1230 Fair Oaks Pkwy	Mechanical (Residential)	General HVAC	Installing 2 mini split heads and 1 condenser outside		Yes	No		Mini Split
MECHR24-2391	2024-10-30	Residential	1805 Virnankay Cir	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2389	2024-10-02	Residential	4 Ruthven Pl	Mechanical (Residential)	General HVAC	Install new heat pump and mini-split AC unit	Install new heat pump and mini-split AC unit	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2375	2024-10-10	Residential	904 Church St	Mechanical (Residential)	General HVAC	FURNACE & AC REPLACEMENT	NEW FURNACE AND AC INSTALLATION	No	No		
MECHR24-2374	2025-01-08	Residential	3138 Ailsa Craig	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-2373	2024-12-06	Residential	723 Gott St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2372	2025-03-05	Residential	1054 Martin Pl	Mechanical (Residential)	General HVAC	ADDING AIR HANDLER TO 2ND FLOOR		No	No		
MECHR24-2370	2024-11-20 15:33:34	Residential	2920 Brockman Blvd	Mechanical (Residential)	General HVAC	Furnace and AC installation	Furnace and AC installation	No	No		
MECHR24-2368	2024-10-27	Residential	720 Carbeck Dr	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-2366	2024-09-28	Residential	514 Benjamin St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2361	2024-10-29	Residential	16 Blain Ct	Mechanical (Residential)	General HVAC	`install furnace install ac install hot water heater`	install furnace ac and hot water heater replacement	No	No		
MECHR24-2358	2024-11-15	Residential	617 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FRUNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-2353	2024-10-27	Residential	2364 Pinecrest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC, ADD EXHAUST VENT FOR MICROWAVE & BATH FAN		No	No		
MECHR24-2352	2024-10-25	Residential	106 E Kingsley St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND CHIMNEY LINER	REPLACE FURNACE, AC AND CHIMNEY LINER	No	No		
MECHR24-2351	2025-06-12 12:36:27	Residential	244 Orchard Hills Dr	Mechanical (Residential)	General HVAC	remodel HVAC	install one new system and two existing systems	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2348	2025-07-17	Residential	1507 Abbott Ave	Mechanical (Residential)	General HVAC	Install Furnace, A/C, duct work and gas line (for the new furnace) in the new addition		No	No		
MECHR24-2344	2025-02-02	Residential	2360 Hickory Point Dr	Mechanical (Residential)	General HVAC	replace furnace/Humidifier		No	No		
MECHR24-2342	2024-12-18	Residential	812 Miller Ave	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP & AIR HANDLER	INSTALL HEAT PUMP & AIR HANDLER	Yes	Yes		Unspecified
MECHR24-2341	2024-12-18	Residential	810 Miller Ave	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP & AIR HANDLER	INSTALL HEAT PUMP & AIR HANDLER	Yes	Yes		Unspecified
MECHR24-2339	2025-02-16	Residential	1602 Morton Ave	Mechanical (Residential)	General HVAC	Remove existing furnace and ducts as needed. Replace with new furnace and ducts; Exhaust 3 bathfans and one dryer, Exhaust kitchen hood, Gas and Gas pressure test to two outlet		No	No		
MECHR24-2337	2024-10-19	Residential	1816 Frieze Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2332	2024-12-28	Residential	3132 Asher Rd	Mechanical (Residential)	General HVAC	`Replace 70k Lennox furnace Replace 3 ton Lennox A/c Replace 40 gallon water tank`	`Replace 70k furnaceReplace 3 ton A/cReplace 40 gallon v	No	No		
MECHR24-2331	2025-01-16	Residential	709 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER		No	No		
MECHR24-2325	2024-10-13	Residential	2940 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE (2) FURNACE & (2) AIR CONDITIONER		No	No		
MECHR24-2322	2024-10-13	Residential	1486 Cedar Bend Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & (2) AIR CONDITIONER (SAME LOCATION)		No	No		
MECHR24-2319	2025-01-28	Residential	2460 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2318	2025-01-25	Residential	2446 Dorchester Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2317	2024-10-26	Residential	2249 Glendaloch Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2313	2024-11-03	Residential	3416 Ferry St	Mechanical (Residential)	General HVAC	replace ac	Replace AC	No	No		
MECHR24-2312	2025-02-05	Residential	1404 Orkney Dr	Mechanical (Residential)	General HVAC	`3 bathroom vents, re route 4 supplies, extend 1 supply off floor, add return, add exhaust fan under 200cfm install 18k heat pump minisplit`	mechanical equipment, 3x roof penetrations, 1 side wall penetration	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2311	2024-10-19	Residential	223 Sunset Rd	Mechanical (Residential)	General HVAC	Furnace and ac replacement	Furnace and ac replacement	No	No		
MECHR24-2308	2025-01-07	Residential	2686 Heather Way	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	NEW HVAC FOR GARAGE	No	No		
MECHR24-2298	2024-09-27	Residential	3362 Turnberry Ln	Mechanical (Residential)	General HVAC	Replace 90K BTU furnace	Replace 90K BTU furnace -please disregard or void other ap	No	No		
MECHR24-2296	2024-11-24	Residential	324 Rolling Meadows Dr	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP & COIL	INSTALL HEAT PUMP & COIL	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2295	2024-10-24 13:16:54	Residential	740 Peninsula Ct	Mechanical (Residential)	General HVAC	American Standard 96% gas furnace installed, replace existing		No	No		
MECHR24-2290	2025-03-02	Residential	1867 Lindsay Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC UNIT	REPLACE FURNACE AND AC UNIT	No	No		
MECHR24-2288	2024-10-10	Residential	2320 Parkwood Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2287	2024-10-24	Residential	1345 Jewett Ave	Mechanical (Residential)	General HVAC	Remove and replace A/C		No	No		
MECHR24-2286	2024-10-12	Residential	2875 Barclay Way	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE		No	No		
MECHR24-2284	2024-09-28	Residential	1940 Lindsay Ln	Mechanical (Residential)	General HVAC	Furnace and AC installation	Furnace and AC installation	No	No		
MECHR24-2282	2024-10-04	Residential	3239 Baylis Dr	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR24-2281	2024-10-18	Residential	2908 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2279	2025-02-20	Residential	1411 Wells St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR24-2274	2024-10-16	Residential	2439 Buckingham Rd	Mechanical (Residential)	General HVAC	Install ductless air condition system	Installing ductless air condition system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2269	2024-12-05	Residential	2337 Parkwood Ave	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-2267	2024-10-13	Residential	2509 W Liberty St	Mechanical (Residential)	General HVAC	Removal of old A/C, Furnace, and water heater and Installation of NEW A/C, Furnace, and water heater	N/A	No	No		
MECHR24-2262	2024-09-28	Residential	713 N Fifth Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC	INSTALL FURNACE	No	No		
MECHR24-2261	2024-10-30	Residential	772 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-2260	2024-09-22	Residential	1225 Prospect St	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER		No	No		
MECHR24-2259	2024-10-13	Residential	812 Asa Gray Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-2254	2024-11-08	Residential	1420 Geddes Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2251	2024-09-27	Residential	1922 Day St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2250	2024-10-13	Residential	1619 E Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE ADD: Gas Water Heater		No	No		
MECHR24-2239	2024-10-03	Residential	2907 Logan Ct	Mechanical (Residential)	General HVAC	Replaced current A/C system with Mitsubishi intelli heat coil and multi zone heat pump. Installed new ducted split with new duct work. Connected to same heat pump.	mitsubibishi itelliheat coil for forced air system installed.	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2234	2024-09-13	Residential	2040 Churchill Dr	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-2233	2024-10-17	Residential	2303 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace 2ton AC (rear)	Replace 2ton AC (rear)	No	No		
MECHR24-2231	2025-02-19	Residential	2101 Hall Ave	Mechanical (Residential)	General HVAC	replace gas furnace and air conditioner with a 96% gas furnace and heat pump	replace gas furnace and ac with 965 furnace and heat pum	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2230	2024-12-04	Residential	3133 Bolgos Cir	Mechanical (Residential)	General HVAC	Install furnace and AC.	Install 80K 80% efficient gas furnace and a 2 ton 13 SEER A	No	No		
MECHR24-2228	2024-12-07	Residential	625 Second St	Mechanical (Residential)	General HVAC	REPLACING AIR HANDLER AND AIR CONDITIONING SYSTEM IN ATTIC		No	No		
MECHR24-2227	2025-01-17	Residential	820 W Washington St	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR24-2226	2024-10-25	Residential	1520 Northbrook Dr	Mechanical (Residential)	General HVAC	installing mitsubishi hyperheat system	Installing mitsubishi hyperheat system	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2224	2024-11-05	Residential	1541 Edinborough Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR24-2217	2024-09-18	Residential	3393 Burbank Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-2215	2024-09-22	Residential	606 Mary Ct	Mechanical (Residential)	General HVAC	replace furnace and air conditioner	Replace furnace and air conditioner	No	No		
MECHR24-2211	2024-09-27	Residential	1101 Snyder Ave	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT (HEAT PUMP) WITH 2 HEADS	INSTALL MINI SPLIT (HEAT PUMP) WITH 2 HEADS	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2210	2025-05-10	Residential	1918 Scottwood Ave	Mechanical (Residential)	General HVAC	Renovating to improve stairs, windows, bathrooms, siding and roof. Replacing garage with carport.	Install two furnaces, two air conditioners, all ducts, gas lin	No	No		
MECHR24-2209	2024-11-27	Residential	1603 Westminster Pl	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE		No	No		
MECHR24-2208	2025-01-04	Residential	3815 Windemere Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR24-2206	2024-09-21	Residential	3045 Turnberry Ln	Mechanical (Residential)	General HVAC	REPLACING AC SYSTEM		No	No		
MECHR24-2201	2024-09-21	Residential	2716 Cumberland Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH A CARRIER 16 SEER 2 TON 1ST UNIT AND A 2 TON COIL	REPLACE EXISTING AIR CONDITIONER WITH A CARRIER 16	No	No		
MECHR24-2198	2024-09-22	Residential	2530 Powell Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2196	2024-09-27	Residential	3211 Dunwoodie Rd	Mechanical (Residential)	General HVAC	Humidifier, furnace and A/C replacement		No	No		
MECHR24-2195	2025-01-02 15:34:54	Residential	1830 Virnankay Cir	Mechanical (Residential)	General HVAC	Adding a mitsubishi duckless hyperheat system (Note to inspector that gets scheduled, I (Dave) drove by this location (had inspection across the street) and they installed the unit in the front of the home not meeting setback requirements, make sure this is cited on the report.)	installing a heat pump system ductless	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2191	2024-11-09	Residential	3166 Wolverine Dr	Mechanical (Residential)	General HVAC	A/C replacement		No	No		
MECHR24-2190	2024-09-27	Residential	715 Oakland Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2189	2024-09-18	Residential	2624 Bedford Rd	Mechanical (Residential)	General HVAC	Replace 2 Furnace's and 2 A/C's		No	No		
MECHR24-2187	2024-09-13	Residential	8 Kilbrennan Ct	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR24-2180	2024-12-04	Residential	804 Henry St	Mechanical (Residential)	General HVAC	New electric furnace/ac with duct work for new detached garage with office above.	New detached garage with office above. Electric furnace/a	No	No		
MECHR24-2179	2024-09-27	Residential	417 Hill St	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-2175	2024-12-28	Residential	515 W Summit St	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP, AIR HANDLER, HUMIDIFIER	INSTALL HEAT PUMP, AUXILLIARY HEATER, AIR HANDLER,	Yes	Yes		Unspecified
MECHR24-2172	2025-01-05	Residential	817 Edgewood Pl	Mechanical (Residential)	General HVAC	INSTALL 2 MINI SPLITS WITH 6 HEADS	INSTALL 2 MINI SPLITS WITH 6 HEADS	Yes	No	Mini-Splits (primary heat source)	Mini Split
MECHR24-2170	2024-08-24	Residential	305 Packard St	Mechanical (Residential)	General HVAC	New furnace, A/C, water heater. Gas pressure test. Work done by previous contractor. Original expired permit #MECH19-3665 .	New furnace, A/C, water heater. Gas pressure test.	No	No		
MECHR24-2169	2024-11-13	Residential	2800 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2162	2024-09-07	Residential	3119 Cedarbrook Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2161	2024-10-29	Residential	2778 Page Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2157	2024-12-21	Residential	3055 Foxcroft Rd	Mechanical (Residential)	General HVAC	INSTALL TRIZONE MINI SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2155	2024-09-28	Residential	2779 Page Ave	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-2153	2024-09-01	Residential	1304 W Madison St	Mechanical (Residential)	General HVAC	Install (1) mini split heat pump		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2152	2024-10-02	Residential	1932 Boulder Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNAC, AC AND HUMIDIFIER	No	No		
MECHR24-2149	2024-09-18	Residential	1409 Burgundy Rd	Mechanical (Residential)	General HVAC	replace furnace and ac	Replace furnace and ac	No	No		
MECHR24-2146	2024-10-30	Residential	1137 S Seventh St	Mechanical (Residential)	General HVAC	Installation of new furnace, AC, and connection of ductwork, gas line	Installation of new furnace, AC, and connecting of ductwor	No	No		
MECHR24-2145	2025-06-21	Residential	1210 Lutz Ave	Mechanical (Residential)	General HVAC	installing a furnace, ERV, a/c and humidifier in new addition. This is not a re-connect.		No	No		
MECHR24-2144	2025-05-18	Residential	813 Fountain St	Mechanical (Residential)	General HVAC	Install 2 new air conditioners	install 2 new air conditioners	No	No		
MECHR24-2143	2024-09-07	Residential	3578 Larchmont Dr	Mechanical (Residential)	General HVAC	REPLACE AC AND HUMIDIFIER	REPLACE AC AND HUMIDIFIER	No	No		
MECHR24-2135	2024-09-27	Residential	708 Madison Pl	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-2134	2024-09-27	Residential	706 Madison Pl	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-2132	2025-02-07	Residential	1960 Ivywood Dr	Mechanical (Residential)	General HVAC	ADDING NEW AIR CONDITIONING SYSTEM TO HOME		No	No		
MECHR24-2120	2025-02-05	Residential	1610 Linwood Ave	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR24-2119	2024-11-20	Residential	1109 Heather Way	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONER		No	No		
MECHR24-2115	2025-01-23	Residential	3169 Birchwood Ct	Mechanical (Residential)	General HVAC	Replace Furnace/Heat Pump/Humidifier	Replace Furnace/Heat Pump/Humidifier	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2114	2024-11-08	Residential	2428 Fuller Ct	Mechanical (Residential)	General HVAC	`1. Lennox SLP99V Signature Series Gas Furnace 110K 2. EL22xpv Heat Pump/Air Conditioner Elite Series - 4 ton`	Replace the Furnace and Replace the AC	Yes	No		Unspecified
MECHR24-2112	2024-09-05	Residential	210 Koch Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and AC with new furnace and AC	Replace existing furnace and AC with new furnace and AC	No	No		
MECHR24-2108	2025-02-12	Residential	540 N State St	Mechanical (Residential)	General HVAC	Air conditioning install	Air conditioning install	No	No		
MECHR24-2107	2024-10-05	Residential	205 W Summit St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR24-2106	2024-09-18	Residential	2018 Chaucer Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-2103	2024-09-22	Residential	768 Watersedge Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-2102	2025-07-18	Residential	1421 Roxbury Rd	Mechanical (Residential)	General HVAC	REPLACE 2 AIR CONDITIONERS		No	No		
MECHR24-2100	2024-10-20	Residential	2655 Whitewood St	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR24-2096	2024-09-14	Residential	2537 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2095	2024-11-17	Residential	1149 Freesia Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-2094	2024-11-17	Residential	1613 Dicken Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2091	2024-10-16	Residential	2664 Antietam Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR24-2085	2024-09-05	Residential	3300 Alton Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2084	2024-09-20	Residential	1102 Hasper Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2083	2024-09-08	Residential	808 Lawrence St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2082	2024-10-13	Residential	369 Skydale Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2081	2024-09-06	Residential	3415 La Salle Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2077	2025-06-05	Residential	2342 Veridian Cir	Mechanical (Residential)	General HVAC	HVAC installation of ductwork, heat pump and air handler	HVAC installation	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-2071	2024-09-28	Residential	3025 Williamsburg Dr	Mechanical (Residential)	General HVAC	Removal of old A/C unit and replacement with new 2.5 ton A/C unit	Removal of old a/c unit and installation of new 2.5 ton a/c u	No	No		
MECHR24-2065	2024-08-25	Residential	2904 Fernwood Ave	Mechanical (Residential)	General HVAC	Remove and replace furnace and A/C		No	No		
MECHR24-2064	2024-10-16	Residential	1781 Arlington Blvd	Mechanical (Residential)	General HVAC	Replace AC x2	Replace AC x2	No	No		
MECHR24-2061	2024-12-07	Residential	1530 Woodcreek Blvd	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM		No	No		
MECHR24-2060	2024-12-12 11:03:19	Residential	1525 Pauline Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE / AC (REPLACEMENT FOR TRAKIT MECH20-2419)		No	No		
MECHR24-2059	2025-03-20 16:06:48	Residential	606 Pauline Blvd	Mechanical (Residential)	General HVAC	Rework duct, Vent kitchen exhaust, vent bath fans. Install mini-split system		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2058	2025-10-17	Residential	1097 Ravenwood Ave	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR24-2056	2024-09-27	Residential	1541 Jones Dr	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM		No	No		
MECHR24-2054	2024-08-14	Residential	3440 Richard St	Mechanical (Residential)	General HVAC	Replace furnace and ac	Replace furnace and ac	No	No		
MECHR24-2051	2024-10-23	Residential	1738 Barrington Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-2050	2024-11-13	Residential	1304 Horman Ct	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-2046	2024-10-10	Residential	2801 Barclay Way	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2045	2024-09-27	Residential	3076 Turnberry Ln	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-2044	2024-09-13	Residential	2656 Bellwood Ave	Mechanical (Residential)	General HVAC	`Installing new A/C Rock Electrical is doing the electrical work and will pull the electrical permit`		No	No		
MECHR24-2042	2024-09-05	Residential	3148 Mills Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-2040	2025-03-05	Residential	2745 Carmel St	Mechanical (Residential)	General HVAC	Replace/install ac, furnace, humidifier.	Replace/install furnace, ac, humidifier.	No	No		
MECHR24-2038	2024-08-20	Residential	927 S Division St	Mechanical (Residential)	General HVAC	replace furnace and a/c	replace furnace and a/c	No	No		
MECHR24-2033	2024-10-21 15:05:15	Residential	507 Berkley Ave	Mechanical (Residential)	General HVAC	*replacement for MECHC24-0779* Relocation of Existing Furnace and Ductwork in basement- Install new furnace, AC and Ductwork for the second floor	Relocation of Existing Furn and New ductwork in the basen	No	No		
MECHR24-2027	2024-10-05	Residential	3672 Middleton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, HUMIDIFIER , CHIMNEY LINER AND WATER HEATER	REPLACE FURNACE, AC, HUMIDIFIER, CHIMNEY LINER AN	No	No		
MECHR24-2026	2024-09-18	Residential	1145 Morehead Ct	Mechanical (Residential)	General HVAC	Replace existing gas furnace with new one		No	No		
MECHR24-2025	2024-12-20	Residential	2031 Carhart Ave	Mechanical (Residential)	General HVAC	REPLACE 2ND FLOOR AC SYSTEM		No	No		
MECHR24-2024	2024-09-28	Residential	517 W Summit St A	Mechanical (Residential)	General HVAC	HEATING AND AC	INSTALL FURNACE, AC AND WATER HEATER	No	No		
MECHR24-2022	2024-11-03	Residential	1400 Barnard Rd	Mechanical (Residential)	General HVAC	Replace/install ductless mini split.	Install ductless mini split. It is not replacing an existing system, it is supplementing an already air conditioned space. I did not see that option to pick above.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-2020	2024-11-13	Residential	3565 Fox Hunt Dr	Mechanical (Residential)	General HVAC	Installing 2 zone Mitsubishi Hyper Heat	Installing 2 Zone Mitsubishi HyperHeat	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-2019	2024-09-17	Residential	1595 Pauline Blvd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT WITH HEAD UNIT	INSTALL MINI SPLIT WITH HEAD UNIT	Yes	Yes		Mini Split
MECHR24-2018	2024-09-05	Residential	2570 Bens St	Mechanical (Residential)	General HVAC	replace ac	replace ac	No	No		
MECHR24-2013	2024-10-04	Residential	716 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACE & 2 AIR CONDITIONER		No	No		
MECHR24-2012	2024-10-26	Residential	2100 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER (EXACT REPLACEMENT & LOCATION, NO NEW WALL PENETRATIONS)		No	No		
MECHR24-2011	2024-09-22	Residential	2625 Antietam Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-2009	2024-09-27	Residential	2100 Scottwood Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER & FAN COIL		No	No		
MECHR24-2008	2024-10-02 10:29:51	Residential	1006 Granger Ave	Mechanical (Residential)	General HVAC	New HVAC system in new home, Furnace, AC, gas lines, bath fan in floor heat for garage only.	New HVAC system in new home, Furnace, AC, gas lines, ba	No	No		
MECHR24-1994	2024-10-06	Residential	1650 Woodcreek Blvd	Mechanical (Residential)	General HVAC	FURNACE & AC REPLACEMENT	FURNACE & AC REPLACEMENT	No	No		
MECHR24-1989	2024-12-25	Residential	3253 Nordman Rd	Mechanical (Residential)	General HVAC	Replace mini-split 3 ton heat pump system.	Install 3 ton 36K BTU mini split system.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1988	2024-09-27	Residential	1543 Jones Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1986	2026-01-10	Residential	123 N Thayer St	Mechanical (Residential)	General HVAC	Add new # ton AC unit	Installed 3 ton AC unit	No	No		
MECHR24-1985	2025-03-24	Residential	3171 Lakehaven Dr	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1982	2024-08-09	Residential	2240 Delaware Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		

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MECHR24-1979	2024-12-24	Residential	3097 Millbury Ln	Mechanical (Residential)	General HVAC	basement remodel HVAC	ADDING NEW SUPPLY FOR REMODEL, AND BATH FAN	No	No		
MECHR24-1977	2024-12-27 07:37:33	Residential	3946 Penberton Dr	Mechanical (Residential)	General HVAC	HVAC for remodel	modify duct work, and add bath venting and kitchen ventin	No	No		
MECHR24-1972	2024-08-31	Residential	2801 Hampshire Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1971	2024-11-09	Residential	2205 Highland Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-1967	2024-08-10	Residential	205 Westwood Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and AC with new furnace and AC	Replace existing furnace and AC with new furnace and AC	No	No		
MECHR24-1957	2025-05-07	Residential	636 Wembley Ct	Mechanical (Residential)	General HVAC	Install MiniSplit Single Zone System, rerouting ductwork, and installing a kitchen exhaust. ADD: Gas Line	Install Minisplit, reroute ductwork and install a kitchen exhaust	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1956	2024-09-19	Residential	1110 Brooks St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1954	2024-08-28	Residential	3215 Dunwoodie Rd	Mechanical (Residential)	General HVAC	Furnace and A/C replacement	Furnace and A/C replacement	No	No		
MECHR24-1950	2024-09-29	Residential	2325 Dundee Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL, HWH	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-1949	2024-09-29	Residential	2023 Devonshire Rd	Mechanical (Residential)	General HVAC	INSTALL AC, AIR HANDLER & COIL	INSTALL AC, AIR HANDLER & COIL	No	No		
MECHR24-1948	2024-09-28	Residential	1325 Pepper Pike Rd	Mechanical (Residential)	General HVAC	install furnace, Ac, Ductwork, and gasline	Install furnace, ac, ductwork, and gasline for the gazeebo	No	No		
MECHR24-1947	2024-09-05	Residential	825 Sunrise Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-1946	2024-09-05	Residential	2225 Londonderry Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-1945	2024-11-17	Residential	615 Dartmoor Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & GAS WATER HEATER (WITH GAS WATER HEATER)		No	No		
MECHR24-1944	2024-08-21	Residential	189 Kingsbrook Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1943	2024-08-21	Residential	3455 Yellowstone Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1942	2024-08-09	Residential	447 Manor Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1941	2024-08-21	Residential	1200 Iroquois Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1907	2024-11-17	Residential	3121 Millbury Ln	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS HOUSE HAS A FINISHED BASEMENT`		No	No		
MECHR24-1906	2024-11-22 06:59:35	Residential	3123 Millbury Ln	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1905	2024-12-27 09:39:10	Residential	3125 Millbury Ln	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1904	2024-12-17 07:29:26	Residential	3127 Millbury Ln	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1902	2024-10-05	Residential	3040 Hunting Valley Rd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1892	2024-09-29	Residential	910 Woodlawn Ave	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1889	2024-08-28	Residential	2703 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1887	2024-09-28	Residential	2121 Stone School Cir	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR24-1886	2024-09-19 09:03:41	Residential	909 Vaughn St	Mechanical (Residential)	General HVAC	Install Furnace air conditioning, and duct work.		No	No		
MECHR24-1885	2025-02-13	Residential	524 W Stadium Blvd	Mechanical (Residential)	General HVAC	`Full renovation of a duplex. Please see building permit BLDGR24-1495 Mechanical elements include: replacement of gas hot water heater, replacement of gas furnace, addition of central AC condenser and cased coil*, addition of two gas lines and vents for two separate dryers, addition of two bathroom vent fans, and addition of one kitchen range hood. *We want to install a new central AC condenser unit on the west side of the structure. We have written permission from our neighbor to be able to do so. We request a variance for the placement of the condenser unit with respect to its distance from the corner of the structure as a result of the placement of the egress window well. Because of the location of the egress window, the condenser unit cannot be placed the required 4' from the corner, but will be slightly less.`	`Full renovation of a duplex. Please see building permit BLI	No	No		
MECHR24-1874	2024-08-02	Residential	1801 Baldwin Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

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MECHR24-1884	2025-02-13	Residential	522 W Stadium Blvd	Mechanical (Residential)	General HVAC	`Renovations for 522 W Stadium will include the installation of a new water heater, a new furnace, a new AC condenser, 2 ceiling vent fans in each bathroom, 1 range hood in the kitchen and 2 dryers in the basement. We want to install new central AC condenser units on the east and west sides of the structure, respectively. We have written permission from each of our neighbors to be able to do so. We also request a variance for the placement of those condenser units with respect to their distance from the corner of the structure as result of the placement of egress window wells. Because of the location of the egress windows, the condenser units cannot be placed the required 4' from the corner, but will be slightly less.`	`Full renovation of a duplex. Please see building permit BLI	No	No		
MECHR24-1883	2025-03-31	Residential	2013 Fair St	Mechanical (Residential)	General HVAC	Installing A.C unit and furnace	Intalled A.C. unit and furnace	No	No		
MECHR24-1880	2024-10-30 13:05:24	Residential	526 Detroit St	Mechanical (Residential)	General HVAC	Remodel on single family home and garage. No exterior HVAC work.	Replacement of current HVAC furnace, AC duct, bath fan a	Yes	No		Mini Split
MECHR24-1879	2024-09-17	Residential	331 E Ann St	Mechanical (Residential)	General HVAC	Replace of HVAC in remodeled duplex, no exterior work.	Replacement of HVAC equipment to each unit of duplex. N	No	No		
MECHR24-1870	2024-09-14	Residential	1121 Pauline Blvd	Mechanical (Residential)	General HVAC	`REPLACE FURNACE, AC, HUMIDIFIER AND CHIMNEY LINER`	REPLACE FURNACE, AC, HUMIDIFIER AND CHIMNEY LINE	No	No		
MECHR24-1869	2024-10-31	Residential	118 Worden Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1866	2024-10-24	Residential	300 Linda Vista Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1865	2024-08-13	Residential	3002 Bolgos Cir	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-1864	2025-03-26	Residential	459 Brookside Dr	Mechanical (Residential)	General HVAC	Installing 2 furnaces and a/c units, ventilation, gas piping, ductwork, and ERV. Estimated: $20,000-30,000	Installing 2 furnaces and 2 a/c units, 1 ERV, ductwork, gas	No	No		
MECHR24-1863	2024-08-22	Residential	701 Wesley St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1862	2024-08-16	Residential	1875 Timber Trl	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1861	2024-08-09	Residential	2821 Canterbury Rd	Mechanical (Residential)	General HVAC	Add A/C to the home		No	No		
MECHR24-1860	2025-01-03	Residential	1840 Coronada Dr	Mechanical (Residential)	General HVAC	Mini split for the new garage and office (2) indoor units and (1) outdoor unit		Yes	No		Mini Split
MECHR24-1859	2024-08-17	Residential	536 Walnut St	Mechanical (Residential)	General HVAC	install mini split vent bath fan	install mini split vent bath fan	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1857	2024-11-28	Residential	471 Village Oaks Ct	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1855	2024-11-14	Residential	745 Patricia Ave	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM		No	No		
MECHR24-1850	2024-08-22	Residential	1803 Crestland Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, HUMIDIFIER AND CHIMNEY LINER	REPLACE FURNACE, AC, HUMIDIFIER AND CHIMNEY LINE	No	No		
MECHR24-1848	2024-08-24	Residential	3058 Lexington Dr	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-1845	2024-10-30	Residential	3232 Charing Cross Rd	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR24-1844	2024-09-22	Residential	2674 Lookout Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1842	2024-08-10	Residential	2979 Sunnywood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR24-1841	2024-08-21	Residential	1105 Pomona Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1840	2024-08-10	Residential	22 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1832	2024-08-30	Residential	421 Benjamin St	Mechanical (Residential)	General HVAC	Remodel 1 st floor -New HVAC system including furnace, AC ductwork bath fan. No exterior work.	Remodel 1st floor -New HVAC system including furnace, A	No	No		
MECHR24-1831	2024-10-13	Residential	2618 Sequoia Pkwy	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1830	2024-07-28	Residential	4 Southwick Ct	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1829	2024-08-24	Residential	1114 Judson Ct	Mechanical (Residential)	General HVAC	Installing new HVAC system	Installing new hvac system	No	No		
MECHR24-1828	2024-09-28	Residential	2209 Independence Blvd	Mechanical (Residential)	General HVAC	REPLACEMENT AIR HANDLER		No	No		
MECHR24-1827	2024-10-12	Residential	107 Burwood Ave	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER		No	No		
MECHR24-1826	2024-09-27	Residential	103 Ponds View Dr	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM		No	No		
MECHR24-1823	2024-09-27	Residential	3231 Kilburn Park Cir	Mechanical (Residential)	General HVAC	Install new April Air Whole House Bypass Humidifier on Armstrong Air 97 Percent Modulating furnace		No	No		
MECHR24-1819	2024-12-11	Residential	3719 Middleton Dr	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR24-1817	2024-09-01	Residential	1466 Marlborough Dr	Mechanical (Residential)	General HVAC	Remove and replace A/C		Yes	Yes		Unspecified
MECHR24-1816	2024-10-27	Residential	715 Granger Ave	Mechanical (Residential)	General HVAC	geothermal unit, loop field, 2 50 gal water heaters	NEW GEOTHERMAL UNIT, LOOP FIELD, 2 50 GAL WATER H	Yes	Yes	Geothermal	Geothermal
MECHR24-1815	2024-09-27	Residential	870 Belfield Cir	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1813	2024-07-29	Residential	2108 Overlook Ct	Mechanical (Residential)	General HVAC	Replace AC, Furnace & water heater	replace ac, furnace & water heater	No	No		
MECHR24-1812	2024-10-13	Residential	3424 Ashburnam Rd	Mechanical (Residential)	General HVAC	INSTALL AC, COIL & HUMIDIFIER	INSTALL AC, COIL & HUMIDIFIER	No	No		
MECHR24-1811	2024-08-09	Residential	818 Barton Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-1805	2024-11-10	Residential	1014 S Main St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C	Replace Furnace and A/C	No	No		
MECHR24-1804	2024-08-09	Residential	204 Mark Hannah Pl	Mechanical (Residential)	General HVAC	replace furnace and Air conditioner for residence	replace furnace and Air conditioner with air source heat pu	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1803	2024-08-20	Residential	3080 Williamsburg Dr	Mechanical (Residential)	General HVAC	AC Installation	Install new AC	No	No		
MECHR24-1802	2024-08-21	Residential	3153 Asher Rd	Mechanical (Residential)	General HVAC	`reinstate permit mech21-3532 replace furnace`	reinstate permit	No	No		
MECHR24-1796	2024-08-18	Residential	740 Watersedge Dr	Mechanical (Residential)	General HVAC	Replace/install AC, humidifier, furnace	Replace/install furnace, ac, humidifier.	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1795	2024-08-21	Residential	1351 Glendaloch Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HEAT PUMP AND HUMIDIFIER	REPLACE FURNACE, HEAT PUMP AND HUMIDIFER	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1793	2024-08-09	Residential	3289 Bolgos Cir	Mechanical (Residential)	General HVAC	installation of a new AC and furnace and removal of the old ac and furnace with an electrical reconnect	installation of a new ac and furnace with an electrical reco	No	No		
MECHR24-1792	2024-08-28	Residential	2150 Steeplechase Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1791	2024-09-05	Residential	3044 Bolgos Cir	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1790	2024-08-07	Residential	1605 Westminster Pl	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1789	2024-08-13	Residential	2421 Yorkshire Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1788	2024-08-23	Residential	137 W Oakbrook Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1787	2024-07-25	Residential	3624 Middleton Dr	Mechanical (Residential)	General HVAC	REPLACE 19 SEER 4 HEAD DUCTLESS SPLIT AND REPLACE 19 SEER 3 HEAD DUCTLESS SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1779	2024-07-28	Residential	2120 Stone School Cir	Mechanical (Residential)	General HVAC	FURNACE AND AC	REPLACEMENT OF FURNACE AND AC	No	No		
MECHR24-1777	2024-08-24	Residential	421 Church St	Mechanical (Residential)	General HVAC	Remodel house add dormers 3rd floor	Installing complete HVAC system	No	No		
MECHR24-1776	2024-10-03	Residential	1115 Kuehnle Ave	Mechanical (Residential)	General HVAC	MULTIPLE MINI-SPLIT/HEAT PUMP SYSTEMS. 3 TOTAL OUTDOOR UNITS AND 6 INDOOR HEAD UNITS.	MULTIPLE MINI-SPLIT / HEAT PUMP INSTALL, 3 OUTDOOR UNITS, 6 INDOOR UNITS	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1775	2024-09-29	Residential	2811 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 1.5ton AC	Install new 1.5ton AC	No	No		
MECHR24-1774	2024-08-24	Residential	911 Sunnyside Blvd	Mechanical (Residential)	General HVAC	`Complete Hvac replacement. Upgrade to 16 seer2 3 ton R410a AC system. Replace 96% existing furnace with likewise 96% Carrier. Bring drain line up to code and Add GFCI for condo pump, Seal duct work where modified. *REPLACEMENT FOR MECHC24-0708*`	Full hvac replacement. remove out dated r22 system and r	No	No		
MECHR24-1772	2024-10-16	Residential	2203 Lafayette Rd	Mechanical (Residential)	General HVAC	Replace Furnace/Heat Pump/Humidifier	Replace Furnace/Heat Pump/Humidifier	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1766	2024-11-06	Residential	2759 Antietam Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR24-1765	2024-12-04	Residential	2732 Beacon Hill St	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER		No	No		
MECHR24-1760	2025-03-05	Residential	3079 Pittsview Dr	Mechanical (Residential)	General HVAC	Replacing Furnace and AC	Replacing a furnace and AC	No	No		
MECHR24-1759	2024-08-25	Residential	1707 Broadway St	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-1758	2024-09-11	Residential	2613 Fenwick Ct	Mechanical (Residential)	General HVAC	Install new AC unit	Install new AC unit	No	No		
MECHR24-1755	2024-09-07	Residential	342 Mulholland Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HEAT PUMP, AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1753	2024-07-18	Residential	610 W Madison St	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank	Vents for furnace and hot water tank	No	No		
MECHR24-1747	2024-09-27	Residential	3621 Waldenwood Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH AIR SOURCED HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1746	2024-10-12	Residential	1104 Brooks St	Mechanical (Residential)	General HVAC	ADDING AIR CONDITIONER TO CURRENT HVAC SYSTEM		No	No		
MECHR24-1744	2024-09-14	Residential	413 Long Shore Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1743	2024-11-06	Residential	708 Barton Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1741	2024-09-05	Residential	2534 Traver Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1739	2024-08-25	Residential	2424 Dundee Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1738	2024-07-28	Residential	1490 Westfield Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1737	2024-11-28	Residential	1055 Ferdon Rd	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER	INSTALL AC	No	No		
MECHR24-1735	2025-03-25 14:11:39	Residential	2673 Dexter Rd	Mechanical (Residential)	General HVAC	NEW FURNACE - AC PACKEAGE - HEAT RUNS IN BASEMENT	FURNACE - AC - DUCT WORK	No	No		
MECHR24-1730	2024-07-25	Residential	1260 Bardstown Trl	Mechanical (Residential)	General HVAC	New A/C		No	No		
MECHR24-1729	2024-10-27	Residential	1201 Fair Oaks Pkwy	Mechanical (Residential)	General HVAC	INSTALL FURNACE, HEAT PUMP & COIL	INSTALL FURNACE, HEAT PUMP & COIL	Yes	Yes		Unspecified
MECHR24-1719	2024-10-18	Residential	2525 Page Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1712	2025-03-01	Residential	2419 Pontiac Trl	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR24-1711	2024-08-21	Residential	2407 S Circle Dr	Mechanical (Residential)	General HVAC	Install new furnace and AC	Install new furnace and AC	No	No		
MECHR24-1710	2024-08-31	Residential	1921 Coronada Dr	Mechanical (Residential)	General HVAC	Install new furnace and AC	Install new furnace and AC	No	No		
MECHR24-1709	2024-07-27	Residential	2922 Braeburn Cir	Mechanical (Residential)	General HVAC	replace ac	REPLACE AC	No	No		
MECHR24-1708	2024-09-28	Residential	2644 Pamela Ave	Mechanical (Residential)	General HVAC	`New 98% furnace and 15 SEER2 heat pump 2-exhaust fans new ductwork in the addition`	`Installing: New 98% furnace and 15 SEER2 heat pump2-e	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1706	2024-07-28	Residential	4 Southwick Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-1705	2025-01-04	Residential	778 Greenhills Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-1702	2025-08-23	Residential	758 S Maple Rd	Mechanical (Residential)	General HVAC	`New air handler New condenser New ductwork New bathroom exhaust New stove exhaust vent`	`New air handlerNew condenserNew ductworkNew bathro	No	No		
MECHR24-1701	2024-10-31	Residential	1389 Esch Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1699	2024-12-13	Residential	3354 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1698	2024-12-13	Residential	2907 Lakeview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1697	2025-08-10	Residential	2602 Traver Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1695	2024-07-30	Residential	3420 Fernwood Ave	Mechanical (Residential)	General HVAC	Replace 70K furnace	Replace 70K furnace	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1693	2024-12-03 10:14:18	Residential	3650 Glazier Way	Mechanical (Residential)	General HVAC	addition furnace air and ductwork		No	No		
MECHR24-1692	2024-10-02	Residential	3217 Monument	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR24-1691	2024-10-12	Residential	2104 Liberty Hts	Mechanical (Residential)	General HVAC	REPLACING AC SYSTEM		No	No		
MECHR24-1688	2025-01-04	Residential	3153 Village Cir S	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-1687	2024-11-24	Residential	815 Brown St	Mechanical (Residential)	General HVAC	Conversion of the existing garage into 2 bedrooms, HVAC new system including bath fan. Mini split system.	Installing HVAC system into converting existing garage space. 2 head mini split and bath fan.	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1683	2024-12-22	Residential	1811 Hiawatha Pl	Mechanical (Residential)	General HVAC	Replace 2 ton Condenser and Coil	Replace 2 ton Condenser and Coil	No	No		
MECHR24-1682	2024-08-31	Residential	2781 Barclay Way	Mechanical (Residential)	General HVAC	Replace 2.5ton AC (rear)	Replace 2.5ton AC (rear)	No	No		
MECHR24-1680	2025-04-26	Residential	404 S First St	Mechanical (Residential)	General HVAC	HVAC FOR EXISTING HOUSE AND 1/2 BATH ADDITION	HVAC FOR EXISTING HOUSE & 1/2 BATH ADDITION	No	No		
MECHR24-1672	2024-09-11	Residential	1535 Kirtland Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1671	2024-09-22	Residential	1211 Brooklyn Ave	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING UNIT		No	No		
MECHR24-1670	2025-01-26	Residential	315 Doty Ave	Mechanical (Residential)	General HVAC	Install Heat Pump Rock electrical will be taking the electrical permit and doing electrical work		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1669	2024-09-19	Residential	124 Longman Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1667	2025-01-08	Residential	1905 Camelot Rd	Mechanical (Residential)	General HVAC	Install Mini Split Rock electrical do to the electrical permit		Yes	No		Mini Split
MECHR24-1666	2025-01-08	Residential	2320 St Francis Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1663	2025-01-16	Residential	3060 Wolverine Dr	Mechanical (Residential)	General HVAC	REPLACING EXISTING AC	Replacing existing AC	No	No		
MECHR24-1639	2024-07-17	Residential	2035 Pauline Ct	Mechanical (Residential)	General HVAC	REPLACE EXISTING FURNACE & HUMIDIFIER WITH A CARRIER FURNACE AND HUMIDIFIER. ADAPTED TO ALL EXISTING GAS, DRAIN, ELECTRIC AND VENTING		No	No		
MECHR24-1638	2024-07-24	Residential	2631 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace 2 ton air conditioner (rear)	Replace 2 ton air conditioner (rear)	No	No		
MECHR24-1633	2024-09-18	Residential	2531 Shadowood Dr	Mechanical (Residential)	General HVAC	Replace existing AC with New one		No	No		
MECHR24-1631	2024-09-06	Residential	2600 Powell Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1630	2024-07-31	Residential	2840 Brandywine Dr	Mechanical (Residential)	General HVAC	Replace a/c with heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1628	2025-04-27	Residential	2116 Dorset Rd	Mechanical (Residential)	General HVAC	ADD COOLING SYSTEMS TO EXISTING 2ND STORY HOME	ADDING A/C SYSTEM TO EXISTING 2ND STORY HOME	No	No		
MECHR24-1627	2024-07-21	Residential	2632 Pamela Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-1625	2024-11-07	Residential	500 Burson Pl	Mechanical (Residential)	General HVAC	Replace AC & Fan Coil		Yes	No	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1624	2024-10-13	Residential	2048 Liberty Hts	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1623	2024-08-17	Residential	414 Benjamin St	Mechanical (Residential)	General HVAC	Replace existing furnace and AC in single family home. No outside alterations and no new electric work just re-connecting.	replacement of existing furnace and AC.	No	No		
MECHR24-1622	2024-09-14	Residential	1305 Granger Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1620	2024-09-22	Residential	2040 Geddes Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1618	2024-08-03	Residential	2030 Chaucer Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1617	2024-07-28	Residential	3520 Paisley Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUM	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-1615	2024-08-04	Residential	1021 Fountain St	Mechanical (Residential)	General HVAC	furnace replacement	New furnace installing	No	No		
MECHR24-1614	2024-07-24	Residential	2785 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (front)	Install new 2ton AC (front)	No	No		
MECHR24-1612	2024-08-01	Residential	812 Pauline Blvd	Mechanical (Residential)	General HVAC	Install new AC	Install new AC	No	No		
MECHR24-1611	2024-08-01	Residential	2509 Jade Ct	Mechanical (Residential)	General HVAC	humidifier, air cleaner, furnace and A/C installation	humidifier, air cleaner, A/C and furnace installation	No	No		
MECHR24-1610	2025-03-17	Residential	523 Long Shore Dr B	Mechanical (Residential)	General HVAC	Chimney liner, furnace and A/C replacement	furnace and A/C and chimney liner replacement	No	No		
MECHR24-1609	2025-01-04	Residential	2561 Avant Ave 112	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1608	2024-12-20	Residential	2561 Avant Ave 111	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1607	2025-01-04	Residential	2561 Avant Ave 110	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1606	2025-01-04	Residential	2561 Avant Ave 109	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1605	2025-01-04	Residential	2561 Avant Ave 108	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1604	2025-01-04	Residential	2561 Avant Ave 107	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1603	2025-01-04	Residential	2561 Avant Ave 106	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	INSTALL FURNACE AC DUCTWORK EXHAUST FANS	No	No		
MECHR24-1602	2025-01-04	Residential	2561 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	No	No		
MECHR24-1601	2025-01-04	Residential	2561 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	No	No		
MECHR24-1600	2025-01-04	Residential	2561 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	No	No		
MECHR24-1599	2025-01-04	Residential	2561 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	No	No		
MECHR24-1598	2024-12-26 11:05:18	Residential	2561 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FAN TO UNIT	INSTALL FURNACE AC DUCTWORK AND EXHAUST FANS	No	No		
MECHR24-1594	2024-11-08	Residential	2334 Haisley Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE A/C duct,vent bath fans	Install furnace a/c duct vent bath fans	No	No		
MECHR24-1593	2025-03-20	Residential	2930 Hickory Ln	Mechanical (Residential)	General HVAC	install 2 furnaces 2 a/c's ductwork , vent bath fans		No	No		
MECHR24-1589	2024-08-17	Residential	2765 Page Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1587	2024-12-05	Residential	217 Bucholz Ct	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-1586	2024-07-28	Residential	208 Pine Ridge St	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1582	2024-10-04	Residential	1811 Oneida Pl	Mechanical (Residential)	General HVAC	REPLACING AIR HANDLER IN ATTIC AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1581	2024-08-09	Residential	2312 Prairie St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND INSTALL NEW AIR CONDITIONING UNIT. HOMEOWNER'S ELECTRICIAN IS PULLING THE ELECTRICAL.		No	No		
MECHR24-1574	2024-08-03	Residential	3248 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1572	2024-07-12	Residential	921 W Huron St	Mechanical (Residential)	General HVAC	install electric space heater in bedroom	install electric space heater in bedroom	No	No		
MECHR24-1571	2024-08-03	Residential	3570 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1566	2024-09-29	Residential	2067 Ascot Rd	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC & COIL	INSTALL FURNACE, AC & COIL	No	No		
MECHR24-1565	2024-09-13	Residential	1123 Church St	Mechanical (Residential)	General HVAC	replace furnace and add AC	replace furnace and add AC	No	No		
MECHR24-1564	2024-09-13	Residential	906 Greenwood Ave	Mechanical (Residential)	General HVAC	furnace replacement add AC	replace furnace, add AC	No	No		
MECHR24-1559	2024-07-18	Residential	905 Fifth St	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-1554	2024-09-06	Residential	3920 Ridgmaar Sq	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM		No	No		
MECHR24-1552	2024-08-21	Residential	1809 Ferdon Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR24-1551	2024-07-26	Residential	2185 Churchill Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1550	2024-08-21	Residential	211 Pine Ridge St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-1544	2024-09-14	Residential	511 Benjamin St 1	Mechanical (Residential)	General HVAC	replace AC	replace national comfort product AC	No	No		
MECHR24-1543	2024-12-12	Residential	3456 Yellowstone Dr	Mechanical (Residential)	General HVAC	Replacing the furnace, a/c and humidifier		No	No		
MECHR24-1541	2024-07-14	Residential	401 Wilder Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR24-1539	2024-08-02	Residential	1912 Dunmore Rd	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR24-1537	2024-09-21	Residential	3236 Monument	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1536	2024-11-27	Residential	1814 Hiawatha Pl	Mechanical (Residential)	General HVAC	remodel HVAC	furnace , ac , duct work	No	No		
MECHR24-1535	2024-08-07	Residential	2083 Ascot Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1533	2024-07-14	Residential	1210 Wells St	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1532	2025-03-12	Residential	1010 Belmont Rd	Mechanical (Residential)	General HVAC	All new install of mini-split/heat pump system with 3 indoor head units.	install all new mini-split heat pump system with 3 heads.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1530	2024-07-04	Residential	3093 Ailsa Craig	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-1524	2024-10-24	Residential	1714 Abbott Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1522	2024-09-05	Residential	1564 Newport Creek Dr	Mechanical (Residential)	General HVAC	REPLACE (2) AIR CONDITIONERS & ONE UNICO/FAN COIL IN ATTIC		No	No		
MECHR24-1520	2024-07-14	Residential	2645 Valley Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1519	2024-08-16	Residential	751 Watersedge Dr	Mechanical (Residential)	General HVAC	Replace/install ac	Replace/install ac	No	No		
MECHR24-1515	2024-07-31	Residential	752 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-1512	2024-09-27	Residential	1007 Arborview Blvd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1501	2024-09-27	Residential	3950 Wynnstone Dr	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER & COIL	INSTALL AC & COIL	No	No		
MECHR24-1500	2024-07-21	Residential	1329 Olivia Ave	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT W/ 1 HEAD	INSTALL MINI SPLIT W/ 1 HEAD	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1497	2024-08-01	Residential	1701 Hatcher Cres	Mechanical (Residential)	General HVAC	Replace furnace, air conditioning and water heater.	Replacement of furnace, air conditioning and hot water tar	No	No		
MECHR24-1495	2024-11-24	Residential	2405 Placid Way	Mechanical (Residential)	General HVAC	Install heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1493	2024-08-30	Residential	204 N State St	Mechanical (Residential)	General HVAC	Interior renovation. Remodel to 2-5 bedroom units. New HVAC furnace, AC, gas line, ductwork, bath fans.	Remodel to 2-5 bedroom units. New HVAC including Furna	No	No		
MECHR24-1492	2024-12-11	Residential	2697 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install new 2ton AC (rear) and humidifier	Install new 2ton AC (rear) and humidifier	No	No		
MECHR24-1490	2024-08-11	Residential	3018 Williamsburg Dr	Mechanical (Residential)	General HVAC	AC		No	No		
MECHR24-1489	2024-10-15	Residential	2545 Country Village Ct	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c		No	No		
MECHR24-1479	2024-08-25	Residential	3018 Forest Creek Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND REPLACE AIR CONDITIONER WITH HEAT PUMP SAME LOCATION		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1478	2024-07-10	Residential	1897 Lindsay Ln	Mechanical (Residential)	General HVAC	A/C & FURNACE REPLACEMENT (RE-CONNECT)	A/C & FURNACE REPLACEMENT (RE-CONNECT)	No	No		
MECHR24-1477	2024-09-14	Residential	2311 Eton Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1476	2024-07-18	Residential	3468 Ashburnam Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1475	2024-07-11	Residential	1818 Ivywood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1474	2024-07-28	Residential	809 Fifth St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER SAME LOCATION NO NEW WALL PENETRATIONS		No	No		
MECHR24-1469	2024-07-04	Residential	1214 W Huron St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER SAME LOCATION NO NEW WALL PENETRATIONS		No	No		
MECHR24-1468	2024-09-07	Residential	542 Heritage Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1466	2025-02-05	Residential	2846 Provincial Dr	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR24-1463	2024-09-06	Residential	2852 Page Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1462	2024-09-06	Residential	1408 Pauline Blvd	Mechanical (Residential)	General HVAC	INSTALL GEOTHERMAL HEAT PUMP AND LOOP FIELD AND 2 50 GAL ELECTRIC WATER HEATERS		Yes	Yes	Geothermal	Geothermal
MECHR24-1461	2024-09-14	Residential	689 Watersedge Dr	Mechanical (Residential)	General HVAC	AC Swap	AC Swap	No	No		
MECHR24-1460	2024-09-07	Residential	3141 Lakehaven Dr	Mechanical (Residential)	General HVAC	Replace furnace and install air conditioning	Furnace and A/C Install	No	No		
MECHR24-1459	2024-08-10	Residential	1515 Avondale Ave	Mechanical (Residential)	General HVAC	INSTALL AC & COIL	INSTALL AC & COIL	No	No		
MECHR24-1454	2024-08-14	Residential	1720 Hanover Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1453	2024-09-05	Residential	1011 Barton Dr	Mechanical (Residential)	General HVAC	Replace Furnace and Heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1452	2024-09-21	Residential	1101 Hasper Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND WATER HEATER		No	No		
MECHR24-1451	2024-11-14	Residential	614 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1439	2024-09-11	Residential	1460 Patricia Ave	Mechanical (Residential)	General HVAC	replace ac	replace ac	No	No		
MECHR24-1436	2024-07-14	Residential	2600 Manchester Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR24-1435	2025-04-25	Residential	217 N Ashley St	Mechanical (Residential)	General HVAC	replace a/c	replace 3 ton a/c	Yes	Yes		Unspecified
MECHR24-1431	2024-12-06	Residential	716 Hutchins Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1430	2025-02-14	Residential	3025 Brockman Blvd	Mechanical (Residential)	General HVAC	`2st Addition with new Primary Bedroom Suite. New furnace, a/c, duct work, vent 3 bath fans, vent dryer, vent kitchen exhaust, gas line to new furnace.`	venting of dyer, vent bath fans, vent kitchen exhaust	No	No		
MECHR24-1429	2024-08-21	Residential	3130 Dolph Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1428	2024-08-21	Residential	2119 Jackson Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1425	2024-10-08	Residential	2163 Yorktown Dr	Mechanical (Residential)	General HVAC	New furnace install	New furnace	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1422	2024-06-27	Residential	3622 Wellington Cross St	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1421	2024-11-07 19:30:59	Residential	1600 Sheridan Dr	Mechanical (Residential)	General HVAC	`DUCTWORK, NEW FURNACE AND A/C , TWO BATH FANS VENTING.`	new ductwork, new furnace and air conditioning and two b	No	No		
MECHR24-1420	2024-06-19	Residential	1669 Arlington Blvd	Mechanical (Residential)	General HVAC	Replace ac and Furnace	Replace ac and furnace	No	No		
MECHR24-1419	2024-07-17	Residential	2721 Braeburn Cir	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR24-1417	2024-10-23	Residential	3148 W Dobson Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1416	2024-08-10	Residential	3555 Fox Hunt Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND AIR CONDITIONER	INSTALL FURNACE & AC	No	No		
MECHR24-1415	2024-10-10	Residential	2215 Garden Homes Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND AIR CONDITIONER	INSTALL FURNACE AND AC	No	No		
MECHR24-1412	2024-09-06	Residential	2241 Delaware Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1408	2024-07-20	Residential	697 Skynob Dr	Mechanical (Residential)	General HVAC	Furnace ac hot water tank swap	Furnace AC and Hot Water Heater Swap	No	No		
MECHR24-1405	2024-10-18 12:39:22	Residential	3271 Hayster Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1404	2024-10-09 10:24:27	Residential	3273 Hayster Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1403	2024-10-04	Residential	3275 Hayster Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1402	2024-08-02	Residential	3092 Village Cir	Mechanical (Residential)	General HVAC	Like for like replacement of furnace and ac	Like for like replacement of furnace and ac	No	No		
MECHR24-1396	2024-07-19	Residential	2282 Hickory Point Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFER	No	No		
MECHR24-1394	2024-08-03	Residential	3219 Kilburn Park Cir	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR24-1393	2024-07-17	Residential	1167 Pomona Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1390	2024-07-27	Residential	1912 Old Orchard Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1389	2024-08-02	Residential	2129 Carol Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1386	2024-07-05	Residential	641 Scio Church Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC, AND HUMIDIFER	No	No		
MECHR24-1385	2024-07-27	Residential	1714 Creal Cres	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1384	2024-07-19	Residential	3306 Alton Ct	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c		No	No		
MECHR24-1383	2024-06-21	Residential	3339 Elsinore Ct	Mechanical (Residential)	General HVAC	Furnace, A/C and air cleaner installation	furnace, A/C and air cleaner install	No	No		
MECHR24-1381	2024-06-27	Residential	2000 Day St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-1380	2024-09-20	Residential	1054 Hasper Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1379	2024-07-10	Residential	3107 Birchwood Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1375	2024-07-13	Residential	2969 Hilltop Dr	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-1372	2024-07-18	Residential	727 Watersedge Dr	Mechanical (Residential)	General HVAC	Replacing the a/c.		No	No		
MECHR24-1371	2024-08-28	Residential	1163 Freesia Ct	Mechanical (Residential)	General HVAC	Installation of air conditioning system.		No	No		
MECHR24-1361	2024-06-27	Residential	830 Edgewood Pl	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1360	2024-07-21	Residential	3266 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1359	2024-08-10	Residential	580 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1358	2024-07-13	Residential	2700 Winter Garden Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1357	2024-09-05	Residential	3200 Hayes Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1349	2024-06-29	Residential	2780 Provincial Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1348	2024-07-11	Residential	617 S Seventh St	Mechanical (Residential)	General HVAC	REPALCE AC	REPLACE AC	No	No		
MECHR24-1346	2024-07-14	Residential	1448 Morehead Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-1345	2024-07-17	Residential	3251 Dunwoodie Rd	Mechanical (Residential)	General HVAC	furnace and a/c replacement. reapplying from a 2018 permits. mech18-0834 & elec18-0922	furnace and a/c replacement. reapplying from a 2018 perm	No	No		
MECHR24-1344	2024-08-15	Residential	536 Sixth St 2	Mechanical (Residential)	General HVAC	install air source heat pump mini split ducted system	install air source heat pump, mini split ducted system	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1339	2024-10-02	Residential	317 Maple Ridge St	Mechanical (Residential)	General HVAC	Install air handler, heat pump, vent 3 bath fans, dryer vent, and rework duct		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1336	2024-07-27	Residential	3290 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-1335	2024-09-11	Residential	312 Westwood Ave	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner	replace existing furnace and air conditioner	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1334	2024-06-26	Residential	3472 Chelsea Cir	Mechanical (Residential)	General HVAC	AC REPLACEMENT	AC REPLACEMENT	No	No		
MECHR24-1333	2024-06-26	Residential	3058 Chelsea Cir	Mechanical (Residential)	General HVAC	AC REPLACEMENT	AC REPLACEMENT	No	No		
MECHR24-1332	2025-01-05	Residential	1603 Peach St	Mechanical (Residential)	General HVAC	`new furnace Supply and return in basement 1- dryer vent 1-bath fan`	new furnace, supply and return duct	No	No		
MECHR24-1331	2024-09-21	Residential	223 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, HEAT PUMP, AND HUMIDIFIER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1330	2024-06-16	Residential	1101 Birk Ave	Mechanical (Residential)	General HVAC	REPLACE AC AND HUMIDIFIER	REPLACE AC AND HUMIDIFIER	No	No		
MECHR24-1329	2024-08-21	Residential	1530 Argyle Cres	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR24-1328	2024-07-03	Residential	505 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	install ac condenser	INSTALL AIR CONDITIONER CONDENSER	No	No		
MECHR24-1324	2024-06-14	Residential	427 Colin Cir	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1320	2024-06-14	Residential	3249 Chelsea Cir	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR24-1316	2024-08-02	Residential	121 Kenwood Ave	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONING SYSTEM		No	No		
MECHR24-1315	2024-12-18	Residential	2877 Leslie Park Cir	Mechanical (Residential)	General HVAC	Replace 5 ton Condenser and Coil	Replace 5 ton Condenser and Coil	No	No		
MECHR24-1314	2024-06-22	Residential	424 Hilldale Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1313	2024-06-20	Residential	1340 Burgundy Rd	Mechanical (Residential)	General HVAC	install minisplit system	install minisplit system	Yes	No		Mini Split
MECHR24-1312	2024-07-10	Residential	439 Sumark Way	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1311	2024-06-23	Residential	2725 Lakehurst Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1308	2024-07-17	Residential	3004 Wolverine Dr	Mechanical (Residential)	General HVAC	A/C installation	A/C installation	No	No		
MECHR24-1307	2024-11-15	Residential	2784 Maitland Dr	Mechanical (Residential)	General HVAC	Replacing the a/c.		No	No		
MECHR24-1306	2024-06-01	Residential	2208 Packard St	Mechanical (Residential)	General HVAC	Inspect furnace installed by others so permit can be pulled	Inspect furnace installed by others so permit can be pulled	No	No		
MECHR24-1305	2024-08-21	Residential	618 Louise Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1303	2024-11-16	Residential	1109 Pomona Rd	Mechanical (Residential)	General HVAC	Replace water heater / HVAC for new addition		No	No		
MECHR24-1302	2024-11-15	Residential	1109 Pomona Rd	Mechanical (Residential)	General HVAC	Duct work for new addition. New furnace and heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1301	2024-09-15	Residential	2833 Barclay Way	Mechanical (Residential)	General HVAC	replace furnace/AC	replace furnace/AC	No	No		
MECHR24-1295	2024-07-19	Residential	425 Sumark Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC	REPLACE FURNACE & AC	No	No		
MECHR24-1292	2024-11-22	Residential	1319 Brooklyn Ave	Mechanical (Residential)	General HVAC	INSTALL BATH FAN Add: AC		No	No		
MECHR24-1290	2024-06-28	Residential	3006 Lexington Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER, SAME LOCATION NO NEW WALL PENETRATIONS		No	No		
MECHR24-1287	2024-08-24	Residential	613 N Fifth Ave	Mechanical (Residential)	General HVAC	`Install mini-split system for second floor bedroom addition Install two supply duct in kitchen area Gas line for range Install dryer vent`	`Install mini-split ductless system second floor bedroom addition Add two supplies to kitchen remodel Install gas line to range Dryer venting`	Yes	No		Mini Split
MECHR24-1284	2024-07-18	Residential	2915 Sheffield Ct	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER & HUMIDIFIER	INSTALL AIR CONDITIONER & HUMIDIFIER	No	No		
MECHR24-1283	2024-07-03	Residential	2672 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	INSTALL FURNACE & AIR CONDITIONER	INSTALL FURNACE & AIR CONDITIONER	No	No		
MECHR24-1281	2024-06-08	Residential	2453 Bunker Hill Rd	Mechanical (Residential)	General HVAC	Water heater, furnace and AC replacement		No	No		
MECHR24-1277	2025-08-08 09:48:00	Residential	814 Jones Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC	REPLACE FURNACE & AC	No	No		
MECHR24-1276	2024-10-18	Residential	1803 Charlton Ave	Mechanical (Residential)	General HVAC	remodel: new furnace/AC, ducts, 3 exhaust vents	New ducts, 3 vent fans, furnace and AC	No	No		
MECHR24-1272	2024-11-02	Residential	2773 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION HVAC	NEW CONSTRUCTION HVAC	No	No		
MECHR24-1269	2024-06-13	Residential	3000 Lakehaven Dr	Mechanical (Residential)	General HVAC	(2) 2ton AC Swaps - Same location		No	No		
MECHR24-1268	2024-08-09	Residential	3117 Fawnmeadow Ct	Mechanical (Residential)	General HVAC	FURNACE		No	No		
MECHR24-1267	2024-09-20	Residential	3269 Hayster Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1266	2024-09-28	Residential	3277 Hayster Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-1265	2024-06-29	Residential	2014 Georgetown Blvd	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-1263	2024-09-29	Residential	1711 Dexter Ave 1	Mechanical (Residential)	General HVAC	replace existing furnace and air conditioner in apt 1	replace existing gas furnace with 90% condensing furnace	No	No		
MECHR24-1258	2024-07-17	Residential	1217 Brooklyn Ave	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM AND AIR HANDLER		No	No		
MECHR24-1257	2025-03-07	Residential	2765 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	HVAC NEW CONSTRUCTION	No	No		
MECHR24-1256	2025-03-07	Residential	2767 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	NEW HVAC CONSTRUCTION	NEW HVAC CONSTRUCTION	No	No		
MECHR24-1255	2025-01-10	Residential	2769 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	NEW HVAC CONSTRUCTION	NEW HVAC CONSTRUCTION	No	No		
MECHR24-1254	2025-02-06	Residential	2771 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	NEW HVAC CONSTRUCTION	NEW HVAC CONSTRUCTION	No	No		
MECHR24-1252	2024-11-02	Residential	2775 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	NEW HVAC CONSTRUCTION	No	No		
MECHR24-1251	2024-09-13	Residential	2777 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	NEW HVAC CONSTRUCTION	No	No		
MECHR24-1246	2024-06-28	Residential	2316 Nixon Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-1244	2024-06-15	Residential	1445 Ravenwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1241	2024-07-11	Residential	2859 Aurora St	Mechanical (Residential)	General HVAC	Install 80% efficient gas furnace	Install 80% efficient gas furnace	No	No		
MECHR24-1240	2024-09-22	Residential	1301 Linwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1239	2024-08-23	Residential	1040 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR24-1238	2024-09-27	Residential	1206 Franklin Blvd	Mechanical (Residential)	General HVAC	Install furncae, ac, duct and 2 bath fans in new addition	Install HVAC to addition	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1236	2024-08-17	Residential	548 S First St	Mechanical (Residential)	General HVAC	Move AC location and duct to addition	add heat runs to addition and move existing condensing ur	No	No		
MECHR24-1229	2024-09-13	Residential	1745 David Ct	Mechanical (Residential)	General HVAC	AC installed 2022	Air conditioner was replaced in 2022, needs permit and ins	No	No		
MECHR24-1226	2024-06-26	Residential	2023 Seneca Ave	Mechanical (Residential)	General HVAC	Install mini-split air handler, ductwork		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1208	2024-08-21	Residential	2767 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace 2ton AC (rear)	Replace 2ton AC (rear)	No	No		
MECHR24-1206	2024-06-19	Residential	2288 Hickory Point Dr	Mechanical (Residential)	General HVAC	INSTALL FURNACE, HEAT PUMP, HUMIDIFIER	INSTALL FURNACE, HEAT PUMP, HUMIDIFIER	Yes	Yes		Unspecified
MECHR24-1205	2024-06-29	Residential	548 Green Rd	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER	INSTALL AIR CONDITIONER	No	No		
MECHR24-1203	2024-07-21	Residential	2105 Abbott Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER (SAME LOCATION), AND REPLACE AIR CONDITIONER & FAN COIL IN ATTIC (SAME LOCATION)		No	No		
MECHR24-1200	2024-06-29	Residential	2905 N Baylis Dr	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER		No	No		
MECHR24-1199	2024-08-03	Residential	1915 Austin Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC WITH HEAT PUMP (SAME LOCATION)		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1197	2024-06-26	Residential	2010 Marra Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1195	2024-06-16	Residential	2150 Pennsylvania Ln	Mechanical (Residential)	General HVAC	Replace existing AC with new one		No	No		
MECHR24-1193	2024-07-17	Residential	3518 Paisley Ct	Mechanical (Residential)	General HVAC	furnace and a/c and humidifier replacement	furnace and a/c and humidifier replacement	No	No		
MECHR24-1188	2024-06-13	Residential	3187 Baylis Dr	Mechanical (Residential)	General HVAC	Replace 2.5ton AC (rear)	Replace 2.5ton AC (rear)	No	No		
MECHR24-1187	2024-06-27	Residential	2565 Carmel St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR24-1186	2024-09-21	Residential	10 Burlingame Ct	Mechanical (Residential)	General HVAC	Replace 40K BTU furnace and 40 gallon water heater	Replace 40K BTU furnace and PV water heater 40 gallon	No	No		
MECHR24-1185	2024-06-27	Residential	3622 Wellington Cross St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-1183	2024-10-09	Residential	1323 Cambridge Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND ADDING AC	REPLACING FURNACE AND ADDING AC	No	No		
MECHR24-1181	2024-06-06	Residential	629 Revena Pl	Mechanical (Residential)	General HVAC	Install a minisplit Heat pump and install a power vented tank water heater	Install a mini split ductless heat pump , 18,000 Btus, and installing water heater , tank style power vented. 40,000 Btus	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1180	2024-06-15	Residential	1414 Iroquois Pl	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1173	2024-07-10	Residential	2480 Parkwood Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1172	2024-06-23	Residential	403 W Madison St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-1170	2024-08-08 10:42:49	Residential	1407 Wakefield Ave	Mechanical (Residential)	General HVAC	Install mini-split system		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1168	2024-08-20	Residential	2741 Beacon Hill St	Mechanical (Residential)	General HVAC	replace existing furnace add new airconditiong	new airconditiong	No	No		
MECHR24-1164	2024-12-29	Residential	1512 Long Shore Dr	Mechanical (Residential)	General HVAC	residential new construction	General HVAC for new residential construction	No	No		
MECHR24-1162	2024-09-07	Residential	1380 Fairlane Dr	Mechanical (Residential)	General HVAC	`HVAC installation for new Addition (Permit Number: BLDGR23-2035) including: - New Furnace - New Air conditionning - Ducts for first floor and second floor`	Installation of Furnace and HVAC and ducts work	No	No		
MECHR24-1160	2024-05-26	Residential	2972 Sheffield Ct	Mechanical (Residential)	General HVAC	A/C replacement	A/C replacement	No	No		
MECHR24-1159	2024-06-05	Residential	2901 E Eisenhower Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-1155	2025-01-03	Residential	1905 Steere Pl	Mechanical (Residential)	General HVAC	ALTERATION DUCT WORK Add: furnace, AC, duct work	ADDED ALTERATION DUCT WORK ONLY	No	No		
MECHR24-1154	2024-07-07	Residential	2887 N Baylis Dr	Mechanical (Residential)	General HVAC	Furnace and Air Conditioner replacement	Furnace and AC replacement	No	No		
MECHR24-1153	2024-06-11	Residential	1208 Olivia Ave	Mechanical (Residential)	General HVAC	`furnace , A/C, air cleaner, humidifier, chimney liner and air purifier installation; (3) 240 volt circuits and NEW multi zone mini split heat pump (5/15 Add On See Email) _____`	furnace, A/C, chimney liner, air purifier, humidifier and air cleaner	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1151	2024-06-30	Residential	860 Edward St	Mechanical (Residential)	General HVAC	ac & coil	REPLACE AC AND COIL	No	No		
MECHR24-1148	2024-08-03	Residential	1171 Pauline Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-1146	2024-05-15	Residential	2382 Arrowwood Trl	Mechanical (Residential)	General HVAC	A/C installation	A/C installation	No	No		
MECHR24-1145	2024-12-08	Residential	111 N Ashley St 904	Mechanical (Residential)	General HVAC	added two return by pass grilles and one supply vent for a new bedroom	`Adding one supply vent for a new bedroom adding two byp	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1143	2024-06-11	Residential	3720 Tremont Ln	Mechanical (Residential)	General HVAC	2 air cleaners, 2 furnaces and 2 A/C's		No	No		
MECHR24-1142	2024-07-18	Residential	3045 Forest Creek Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1140	2024-08-01	Residential	1160 Kay Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR24-1129	2024-07-18	Residential	901 Dewey Ave	Mechanical (Residential)	General HVAC	New duct work, new furnace, new a/c, vent bath fans.		No	No		
MECHR24-1128	2024-12-29	Residential	1013 Rose Ave	Mechanical (Residential)	General HVAC	Install duct furnace a/c vent bath fans,gas line *SEE FEES PAID ON MECHC24-0378*	Install furnace a/c duct vent fans gas line	No	No		
MECHR24-1125	2024-08-17	Residential	2116 Champagne Dr	Mechanical (Residential)	General HVAC	Replacing the furnace and adding an a/c		No	No		
MECHR24-1124	2024-05-30	Residential	3493 Burbank Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1123	2024-06-07	Residential	1521 Northwood St	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1121	2024-10-23	Residential	2379 Foxway Dr	Mechanical (Residential)	General HVAC	Replace 100K BTU furnace		No	No		
MECHR24-1117	2024-06-05	Residential	3505 Edgewood Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1112	2024-05-26	Residential	3612 Wellington Cross St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, HUMIDIFER AND WATER HEATER	REPLACE FURNACE, AC, HUMIDIFER AND WATER HEATER	No	No		
MECHR24-1110	2024-06-18	Residential	1655 Hillridge Blvd	Mechanical (Residential)	General HVAC	Replacing A/C with a new heat pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-1109	2024-05-30	Residential	1854 Lindsay Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1107	2024-06-23	Residential	1603 Barrington Pl	Mechanical (Residential)	General HVAC	Replace A/C		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-1106	2024-06-15	Residential	2840 Ember Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR24-1105	2024-07-10	Residential	2308 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-1104	2024-06-15	Residential	275 Briarcrest Dr 190	Mechanical (Residential)	General HVAC	REPLACE MAGIC PAK UNIT	REPLACE MAGIC PAK UNIT	No	No		
MECHR24-1098	2024-07-18	Residential	309 Potter Ave	Mechanical (Residential)	General HVAC	Replacing the furnace.		No	No		
MECHR24-1094	2024-06-19	Residential	2818 Page Ave	Mechanical (Residential)	General HVAC	A/C replacement		No	No		
MECHR24-1088	2024-05-23	Residential	2943 Marshall St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER, SAME LOCATION. RELACE GAS WATER HEATER WITH GAS WATER HEATER.		No	No		
MECHR24-1087	2024-07-28	Residential	223 Buena Vista Ave	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS HEAT PUMP (NEW INSTALL, APPLIED FOR HDC)		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-1077	2024-08-21	Residential	635 N Fifth Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-1075	2025-07-09	Residential	307 Mulholland Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-1072	2024-05-24	Residential	2309 Pittsfield Blvd	Mechanical (Residential)	General HVAC	FURNCE A,C HOT WATER TANK	install furnace ac and hot water heater replacement	No	No		
MECHR24-1069	2024-05-11	Residential	1049 Pine Tree Dr	Mechanical (Residential)	General HVAC	replaced AC and furnace	replace the furnace and AC	No	No		
MECHR24-1068	2024-05-25	Residential	335 E Ann St	Mechanical (Residential)	General HVAC	Replaced Furnace and A/C	Replaced Furnace	No	No		
MECHR24-1067	2024-05-30	Residential	1446 Catalina Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1053	2024-06-02	Residential	429 S Seventh St 2	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1051	2024-09-27	Residential	2820 Ember Way	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC, HUMIDIFIER & WATER HEATER	INSTALL FURNACE/AC/HUMIDIFIER/WATER HEATER	No	No		
MECHR24-1049	2024-09-06	Residential	3089 Ailsa Craig	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP & TANKLESS WATER HEATER	INSTALL HEAT PUMP & TANKLESS WATER HEATER	Yes	Yes		Unspecified
MECHR24-1048	2024-05-30	Residential	642 Archwood Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-1047	2024-05-30	Residential	1808 Jackson Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C, Chimney Liner		No	No		
MECHR24-1046	2024-07-03	Residential	1520 Glen Leven Rd	Mechanical (Residential)	General HVAC	INSTALL AIR CONDITIONER	INSTALL AIR CONDITIONER	No	No		
MECHR24-1044	2024-06-06	Residential	1417 Pear St	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-1043	2024-05-24	Residential	3256 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNICE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-1030	2024-05-23	Residential	636 Peninsula Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-1027	2024-06-02	Residential	429 S Seventh St 1	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR24-1022	2024-06-12	Residential	2913 E Whittier Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONING SYSTEM, AND HOT WATER HEATER (HOT WATER HEATER IS GAS AND NO ELECTRICAL NEEDED)		No	No		
MECHR24-1020	2024-08-10	Residential	1208 Linwood Ave	Mechanical (Residential)	General HVAC	installing single zone mitsubishi system		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-1015	2024-06-12	Residential	1035 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER, SAME SIZE CONDENSER AND IN THE SAME LOCATION. NO NEW WALL PENETRATIONS.		No	No		
MECHR24-1012	2024-06-06	Residential	412 Arbana Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR24-1011	2024-06-14	Residential	3110 Fairhaven Ct	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-1002	2024-05-31	Residential	2521 Braeburn Cir	Mechanical (Residential)	General HVAC	a/c install	a/c install	No	No		
MECHR24-1001	2024-05-18	Residential	518 Second St	Mechanical (Residential)	General HVAC	Replace Furnace, AC, Water Heater, 100 ft duct work	Replace Furnace, AC, Water Heater, 100 ft of duct work	No	No		
MECHR24-0996	2024-05-23	Residential	3288 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-0995	2024-08-07	Residential	14 Jay Lee Ct	Mechanical (Residential)	General HVAC	Install air handler, heat pump, humidifier - replacement.		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-0994	2024-05-08	Residential	317 Fifth St	Mechanical (Residential)	General HVAC	`Furnace replacement, Final re-inspection for a permit in etrakit permit # MECH19-0278 Replace 2 Furnaces`	Regarding a permit in etrakit Permit # MECH19-0278 NEED	No	No		
MECHR24-0993	2024-05-17	Residential	779 Skynob Dr	Mechanical (Residential)	General HVAC	Replace/install AC	Replace/install ac	No	No		
MECHR24-0991	2024-05-22	Residential	3061 N Foxridge Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-0987	2024-05-01	Residential	2420 Yorkshire Rd	Mechanical (Residential)	General HVAC	Gas line from meter to furnace	Gas line from meter to furnace.	No	No		
MECHR24-0983	2024-06-14	Residential	1421 Harpst St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR24-0975	2024-06-21	Residential	1906 Covington Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0972	2024-06-21	Residential	3341 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0971	2024-06-29	Residential	1942 Steere Pl	Mechanical (Residential)	General HVAC	Install Mini Split with Surge Protector	INSTALL MINI SPLIT	Yes	No		Mini Split
MECHR24-0970	2024-05-31	Residential	3710 Fox Hunt Dr	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement	No	No		
MECHR24-0968	2024-05-01	Residential	2414 Faye Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-0965	2024-05-08	Residential	375 Burr Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0963	2024-05-08	Residential	915 Bruce St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0962	2024-10-13	Residential	3117 W Dobson Pl	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-0953	2024-05-25	Residential	105 E Summit St	Mechanical (Residential)	General HVAC	Furnace Replacement		No	No		
MECHR24-0951	2024-10-13	Residential	2750 Gladstone Ave	Mechanical (Residential)	General HVAC	INSTALL FURNACE AND AC		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0949	2025-02-04 11:50:37	Residential	1234 Prospect St	Mechanical (Residential)	General HVAC	`* Add or relocate 10 Supply vents.  * Add or relocate 4 new Return vents.  * New Gas piping to dryer and stove.  * Vent hoods and ducting for 3 bath fans and 1 dryer vent.`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0946	2025-01-31	Residential	1100 Clair Cir	Mechanical (Residential)	General HVAC	HVAC for renovation/addition		No	No		
MECHR24-0944	2024-06-26	Residential	1521 Ardmoor Ave	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-0938	2024-05-02	Residential	1954 Lindsay Ln	Mechanical (Residential)	General HVAC	INSTALL FURNACE	INSTALL FURNACE	No	No		
MECHR24-0935	2024-06-06	Residential	1507 Linwood Ave	Mechanical (Residential)	General HVAC	INSTALL NEW AIR HANDLER, AIR CONDITIONER, ELECTRIC HEATING COIL, AND DUCTWORK		No	No		
MECHR24-0932	2024-05-21	Residential	2105 Greenview Dr	Mechanical (Residential)	General HVAC	Replace A/C and furnace		No	No		
MECHR24-0931	2024-07-25 15:28:56	Residential	620 Dartmoor Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0929	2024-05-22	Residential	2718 Lillian Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0928	2024-05-24	Residential	3390 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-0926	2024-05-03	Residential	2974 Sharon Dr	Mechanical (Residential)	General HVAC	Replace Furnace and WH	Replace Furnace and Water Heater	No	No		
MECHR24-0923	2024-05-11	Residential	2909 N Knightsbridge Cir	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Water Heater	Replace Furnace/AC/Water Heater	No	No		
MECHR24-0919	2025-05-07	Residential	1769 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR24-0918	2025-05-07	Residential	1767 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR24-0917	2025-05-07	Residential	1763 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR24-0916	2025-05-07	Residential	1761 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR24-0911	2024-04-19	Residential	2660 Apple Way	Mechanical (Residential)	General HVAC	`Replace MECH21-3498, Sub permit of BLDG18-2311, Complete Airside HVAC Systems MECH21-3498`	Reactivation of eTrakit MECH21-3498	No	No		
MECHR24-0906	2024-05-02	Residential	2703 Georgetown Blvd	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR24-0899	2024-06-06	Residential	718 Madison Pl	Mechanical (Residential)	General HVAC	Install new furnace and A/C unit	Install new furnace and A/C Unit	No	No		
MECHR24-0895	2024-07-09	Residential	436 Second St	Mechanical (Residential)	General HVAC	Install Air Handler and AC Duct Distribution	Install Air Handler - AC - Ducting	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-0894	2024-08-28	Residential	2784 Georgetown Blvd	Mechanical (Residential)	General HVAC	Install furnace and ac with necessary ductwork. Install two bathroom exhaust fans and one dryer vent.		No	No		
MECHR24-0892	2024-06-15	Residential	2144 Packard St	Mechanical (Residential)	General HVAC	Mini-split installation	Installation of mini-split	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0891	2024-05-31	Residential	1082 Greenhills Dr	Mechanical (Residential)	General HVAC	furnace and humidifier replacements		No	No		
MECHR24-0890	2024-08-09	Residential	1367 Pine Valley Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0887	2024-04-24	Residential	471 Rock Creek Dr	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-0886	2025-09-20	Residential	840 Redeemer Ave	Mechanical (Residential)	General HVAC	REPLACE FANCOIL AND AC	REPLACE AC AND FANCOIL	No	No		
MECHR24-0885	2024-05-01	Residential	20 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-0883	2024-05-09	Residential	3430 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-0882	2024-05-09	Residential	3181 Chelsea Cir	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-0880	2025-03-31 12:08:00	Residential	2420 James St	Mechanical (Residential)	General HVAC	Adding HVAC ductwork to finished basement.	Adding ductwork to finished basement.	No	No		
MECHR24-0879	2025-01-30 08:52:24	Residential	1315 Beechwood Dr	Mechanical (Residential)	General HVAC	HVAC for remodel, bath and kitchen vent	venting for bath fan and kitchen hood, duct work	No	No		
MECHR24-0875	2024-04-12	Residential	822 Brookwood Pl	Mechanical (Residential)	General HVAC	Heat pump installation	heat pump installation	Yes	Yes		Unspecified
MECHR24-0872	2024-05-11	Residential	2225 Delaware Dr	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR24-0871	2024-04-23	Residential	2816 Yost Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0866	2024-06-28	Residential	2061 Day St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0865	2024-06-21	Residential	3388 Tacoma Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0862	2024-04-27	Residential	1423 S University Ave	Mechanical (Residential)	General HVAC	install New AC unit	installing new AC unit	No	No		
MECHR24-0861	2024-10-13	Residential	1706 Chandler Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0860	2024-06-27	Residential	675 Ironwood Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0855	2024-09-14	Residential	422 S Seventh St	Mechanical (Residential)	General HVAC	DUCT ALTERATION, VENT 2 BATH FANS AND STOVE HOOD. INSTALL NEW MINI-SPLIT	DUCT ALTERATION , VENTING 2 BATH FANS AND STOVE HOOD, INSTALL NEW MINI-SPLIT	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0853	2024-05-02	Residential	2049 Delaware Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, CHIMNEY LINER AND HUMIDIFIER	REPLACE FURNACE, AC, CHIMNEY LINER AND HUMIDIFIEI	No	No		
MECHR24-0849	2024-05-08	Residential	2321 Tall Oaks Dr	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACE AND AIR CONDITIONER SAME LOCATIONS		No	No		
MECHR24-0848	2024-09-27	Residential	754 Greenhills Dr	Mechanical (Residential)	General HVAC	replace furnace (80,000 BTU, 80% efficient) and water heater (40 gallon nat vent) TRAKIT MECH21-0529		No	No		
MECHR24-0845	2024-05-12	Residential	2008 E Stadium Blvd	Mechanical (Residential)	General HVAC	Air Handler Hyper Heat Condenser	Air Handler Hyper Heat Condenser	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0841	2025-01-23	Residential	429 Colin Cir	Mechanical (Residential)	General HVAC	Furnace Replacement/Reconnect	Furnace Changeout	No	No		
MECHR24-0839	2024-10-02	Residential	1802 Charlton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0835	2024-04-13	Residential	1166 Aberdeen Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0834	2024-10-13	Residential	734 Archwood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0831	2024-04-24	Residential	2919 Canterbury Rd	Mechanical (Residential)	General HVAC	REPLACE FURNAC AND AC		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0830	2024-04-27	Residential	402 S Revena Blvd	Mechanical (Residential)	General HVAC	2 furnace replacements and 2 ACs	2 furnace replacements	No	No		
MECHR24-0827	2025-04-16	Residential	549 S First St	Mechanical (Residential)	General HVAC	Install boiler, radiant in-floor, mini-spilt system, ERV, Vent kitchen exhaust bath fans		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0820	2024-09-27	Residential	2903 N Baylis Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND WATER HEATER		No	No		
MECHR24-0819	2024-05-01	Residential	505 E Huron St 508	Mechanical (Residential)	General HVAC	REPLACE MAGIC PAC UNIT	REPLACE MAGIC PAC UNIT	No	No		
MECHR24-0818	2024-05-14	Residential	2150 Champagne Dr	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank Add:AC	Replace furnace and hot water tank	No	No		
MECHR24-0814	2024-09-06	Residential	2758 Manchester Rd	Mechanical (Residential)	General HVAC	replace heat pump		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0813	2024-05-30	Residential	609 Madison Pl	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR24-0812	2024-04-24	Residential	930 Loyola Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0805	2024-04-18	Residential	762 Watersedge Dr	Mechanical (Residential)	General HVAC	ICP Standard eff gas furnace		No	No		
MECHR24-0804	2024-05-11	Residential	1329 Glendaloch Cir	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-0803	2024-05-08	Residential	1602 Westminster Pl	Mechanical (Residential)	General HVAC	FURNACE REPLACEMENT	FURNACE REPLACEMENT	No	No		
MECHR24-0797	2024-04-26	Residential	222 N Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0795	2024-07-04	Residential	2231 Faye Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0794	2024-05-02	Residential	503 W Mosley St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0792	2024-09-27	Residential	3427 E Dobson Pl	Mechanical (Residential)	General HVAC	install mitsubishi single zone		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0791	2024-05-10	Residential	3158 Blogos Cir	Mechanical (Residential)	General HVAC	replace furnace	replace furnace 80 percent	No	No		
MECHR24-0788	2024-04-13	Residential	2700 White Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-0786	2024-05-07	Residential	1495 Morehead Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, HUMIDIFIER, AND AIR CONDITIONER		No	No		
MECHR24-0783	2024-06-22	Residential	208 S Seventh St	Mechanical (Residential)	General HVAC	Install Mini Split Systems and Bath Fan Venting	Install Mini Split Systems	Yes	No	Mini-Splits (primary heat source)	Mini Split
MECHR24-0781	2024-04-17	Residential	1465 Marian Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE WITH NEW	INSTALL REPLACEMENT FURNACE	No	No		
MECHR24-0778	2024-08-31	Residential	1123 Freesia Ct	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-0776	2024-11-13	Residential	2270 Glendaloch Rd	Mechanical (Residential)	General HVAC	hvac remodel		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0773	2024-05-03	Residential	2114 Arborview Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0772	2025-09-11	Residential	1836 Virnankay Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0770	2024-10-25	Residential	1427 E Park Pl	Mechanical (Residential)	General HVAC	`install 18000btu mini split to addition install 1 bath fan`		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0769	2024-10-25	Residential	2707 Barclay Way	Mechanical (Residential)	General HVAC	Replaced a bad furnace.	Replacing just a furnace	No	No		
MECHR24-0761	2024-04-23	Residential	2421 Meadowridge Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0758	2024-04-19	Residential	705 Newport Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0757	2025-03-14	Residential	2243 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0756	2025-09-03 09:10:56	Residential	2245 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0755	2025-05-15	Residential	2247 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0754	2025-01-10	Residential	2257 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0753	2025-01-10	Residential	2255 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0752	2024-12-07	Residential	2253 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0751	2024-12-07	Residential	2251 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0750	2025-03-14	Residential	2259 Trillium Ln	Mechanical (Residential)	General HVAC	New Construction	New Constuction	Yes	Yes	Geothermal	Geothermal
MECHR24-0749	2025-01-31	Residential	2265 Trillium Ln	Mechanical (Residential)	General HVAC	new construction	New Constuction	Yes	Yes	Geothermal	Geothermal
MECHR24-0748	2025-01-31	Residential	2263 Trillium Ln	Mechanical (Residential)	General HVAC	new house	new construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0747	2024-12-10	Residential	1207 Prescott Ave	Mechanical (Residential)	General HVAC	`Install new furnace, a/c, duct work Vent 2 bath fans`		No	No		
MECHR24-0745	2024-04-26	Residential	618 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0741	2024-04-11	Residential	3248 Lockridge Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-0738	2024-08-11	Residential	2319 Pittsfield Blvd	Mechanical (Residential)	General HVAC	FURNACE, AC, LINER		No	No		
MECHR24-0732	2024-04-18	Residential	2350 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR24-0730	2024-04-11	Residential	3684 Frederick Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0728	2024-10-13	Residential	468 Pine Brae Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND WATER HEATER		No	No		
MECHR24-0717	2024-05-01	Residential	1129 Martin Pl	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR24-0715	2024-04-26	Residential	3760 Dines Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0714	2024-07-11	Residential	1517 Shadford Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, DRYER VENT AND ADD DUCT TO BASEMENT		No	No		
MECHR24-0712	2024-05-02	Residential	2065 Geddes Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0710	2024-04-18	Residential	1321 Kay Pkwy	Mechanical (Residential)	General HVAC	American Standard gas furnace installed, replace existing. *REPLACEMENT FOR MECH21-0019*		No	No		
MECHR24-0709	2024-05-11	Residential	1725 Northbrook Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR24-0708	2024-04-11	Residential	1350 Orkney Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-0705	2024-10-12	Residential	1106 Ravenwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0692	2024-05-09	Residential	2712 Beacon Hill St	Mechanical (Residential)	General HVAC	80% 60K BTU GAS FURNACE REPLACEMENT (RE-CONNECT)	80% 60K BTU GAS FURNACE REPLACEMENT (RE-CONNEC	No	No		
MECHR24-0691	2024-05-26	Residential	3143 Dunwoodie Rd	Mechanical (Residential)	General HVAC	Furnace replacement		No	No		
MECHR24-0690	2024-04-12	Residential	1375 Fairlane Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0689	2024-05-15	Residential	1368 Kensington Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0688	2024-07-04	Residential	1835 Virnankay Cir	Mechanical (Residential)	General HVAC	Retrofitting a geothermal furnace on a vertical closed loop. Installing a steam humidifier, Hepa filter and replacing a water heater.	Retrofitting a geothermal furnace on a vertical closed loop.	Yes	Yes	Geothermal	Geothermal
MECHR24-0682	2024-09-20	Residential	1420 Green Rd	Mechanical (Residential)	General HVAC	95% 80K BTU FURNACE REPLACEMENT	95% 80K BTU FURNACE REPLACEMENT	No	No		
MECHR24-0673	2024-08-08 13:47:18	Residential	3265 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0672	2024-08-07	Residential	3263 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0671	2024-08-07	Residential	3261 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0670	2024-07-10	Residential	3259 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0669	2024-07-10	Residential	3257 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0668	2024-10-17	Residential	304 Potter Ave	Mechanical (Residential)	General HVAC	adding a mitsubishi unit for garage		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0664	2024-04-04	Residential	444 Huntington Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFER	REPLACE FURNACE AND HUMIDIFER - WORKED COMPLET	No	No		
MECHR24-0663	2024-04-11	Residential	809 John A Woods Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0660	2024-04-12	Residential	2647 Pin Oak Dr	Mechanical (Residential)	General HVAC	Replace 90K furnace		No	No		
MECHR24-0659	2024-10-12	Residential	3224 Lockridge Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0655	2024-05-24	Residential	915 Lutz Ave	Mechanical (Residential)	General HVAC	REPLACE ONE FURNACE & ONE HEAT EXCHANGER		No	No		
MECHR24-0654	2024-05-02	Residential	2394 Delaware Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0653	2025-03-09	Residential	211 Sunset Rd	Mechanical (Residential)	General HVAC	`new res HVAC system duct to complete vent 3 bath and 1 dryer`		No	No		
MECHR24-0652	2024-04-03	Residential	2348 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR24-0651	2025-03-09	Residential	209 Sunset Rd	Mechanical (Residential)	General HVAC	`new construction HVAC Furnace A/C Duct to complete 3 bathfans 1 dryer vent`		No	No		
MECHR24-0647	2024-03-28	Residential	602 S First St	Mechanical (Residential)	General HVAC	REPLACING FURNACE	REPLACING FURNACE	No	No		
MECHR24-0638	2024-03-28	Residential	1348 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE	REPLACING FURANCE	No	No		
MECHR24-0636	2025-07-05	Residential	404 Awixa Rd	Mechanical (Residential)	General HVAC	Replacement A/C 13.8 seer 3 ton		No	No		
MECHR24-0627	2024-06-18	Residential	322 W Madison St	Mechanical (Residential)	General HVAC	Rework duct, relocate furnace Vent bath fan and dryer		No	No		
MECHR24-0626	2024-03-29	Residential	2967 Philadelphia Dr	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR24-0624	2024-04-23	Residential	730 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0620	2024-05-07	Residential	1867 Robert St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0619	2024-03-29	Residential	3226 Baylis Dr	Mechanical (Residential)	General HVAC	humidifier, air cleaner, furnace and A/C	furnace and A/C humidifier and air cleaner installation	No	No		
MECHR24-0618	2024-03-28	Residential	1570 Woodland Dr	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR24-0617	2024-10-29	Residential	151 Barton Dr	Mechanical (Residential)	General HVAC	New furnace , AC, Ducting , gas pipe, bath and kitchen exhaust	New furnace, ac, ducting, gas pipe, bath and kitchen exhau	No	No		
MECHR24-0610	2024-04-13	Residential	1209 Packard St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0608	2024-04-03	Residential	315 Orchard Hills Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0600	2024-04-16	Residential	616 Brierwood Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0593	2024-04-12	Residential	1294 Jewett Ave	Mechanical (Residential)	General HVAC	Furnace and ac change out. Like for like		No	No		
MECHR24-0591	2024-03-30	Residential	3182 Birchwood Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE HEAT EXCHANGER	REPLACE FURNACE HEAT EXCHANGER	No	No		
MECHR24-0590	2024-03-29	Residential	505 E Hoover Ave	Mechanical (Residential)	General HVAC	Replace 80% 120mbh furnace	Replace 80% 120mbh due to a cracked heat exchanger. Re	No	No		
MECHR24-0586	2024-03-16	Residential	757 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace/install furnace and hot water heater.	Replace/install furnace and electric hot water heater.	No	No		
MECHR24-0584	2024-04-25	Residential	315 W Jefferson St	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-0582	2024-08-03	Residential	1330 White St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0579	2024-08-16	Residential	1031 Michigan Ave	Mechanical (Residential)	General HVAC	Replace furnace, A/C, and install chimney liner.	Replace furnace, A/C, and install chimney liner.	No	No		
MECHR24-0574	2024-09-30	Residential	2571 Oak Hills Dr	Mechanical (Residential)	General HVAC	HVAC for remodel	rework toe kick for kitchen and 2nd floor bath, reconnect 2	No	No		
MECHR24-0573	2024-06-12	Residential	3241 Buckhorn Ct	Mechanical (Residential)	General HVAC	replace furnace and AC	replace furnace and AC unit	No	No		
MECHR24-0571	2024-04-04	Residential	762 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR24-0569	2025-04-30	Residential	1029 Fountain St	Mechanical (Residential)	General HVAC	Replace/Install Furnace, Heat Pump.	Replace/install furnace and heat pump.	Yes	Yes		Unspecified
MECHR24-0568	2024-05-30	Residential	2204 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR24-0558	2024-09-20	Residential	2235 Trillium Ln	Mechanical (Residential)	General HVAC	new construction	new construction	Yes	Yes	Geothermal	Geothermal

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0556	2024-10-26	Residential	2237 Trillium Ln	Mechanical (Residential)	General HVAC	new construction	new construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0549	2024-07-31	Residential	1508 Granger Ave	Mechanical (Residential)	General HVAC	Install mini-split system		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0537	2024-08-07	Residential	516 Gott St	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR24-0536	2024-07-31	Residential	1511 Shadford Rd	Mechanical (Residential)	General HVAC	Install new furnace	Install new furnace	No	No		
MECHR24-0528	2024-07-27	Residential	522 Second St	Mechanical (Residential)	General HVAC	HVAC	Installation of a new heating and cooling system	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-0525	2024-08-03	Residential	2320 Adare Rd	Mechanical (Residential)	General HVAC	Install new furnace and AC unit	Install new furnace and AC unit	No	No		
MECHR24-0522	2024-03-27	Residential	1701 Dexter Ave 1	Mechanical (Residential)	General HVAC	Replace Furnace and hot water tank with a power vented hot water tank	Replace furnace and hot water tank	No	No		
MECHR24-0520	2024-04-03	Residential	3214 Bolgos Cir	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0519	2024-05-02	Residential	409 Argo Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0518	2024-04-11	Residential	680 Greenhills Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0517	2024-03-22	Residential	652 Greenhills Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0515	2024-05-29	Residential	1404 Wakefield Ave	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0513	2024-03-29	Residential	1210 Meadowbrook Ave	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0511	2024-05-30	Residential	1626 Harbal Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0510	2024-03-22	Residential	1507 Dicken Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0509	2024-08-21	Residential	1790 Riverwood Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0508	2024-03-29	Residential	207 Burwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0507	2025-04-16	Residential	505 Highland Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR24-0506	2024-03-29	Residential	1376 Wolverhampton Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0504	2024-07-25	Residential	2519 Avant Ave 109	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0503	2024-07-28	Residential	2519 Avant Ave 108	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0502	2024-07-28	Residential	2519 Avant Ave 107	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORTK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0501	2024-07-28	Residential	2519 Avant Ave 106	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0500	2024-07-26	Residential	2519 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0499	2024-07-26	Residential	2519 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0498	2024-07-28	Residential	2519 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0497	2024-07-28	Residential	2519 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0496	2024-07-28	Residential	2519 Avant Ave 101	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2007, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR24-0493	2024-06-07	Residential	134 Ashley Mews	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0492	2024-05-23	Residential	3562 Burbank Dr	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT OF FURNACE AND AIR CONDITIONER, SAME LOCATION		No	No		
MECHR24-0490	2024-05-23	Residential	2100 Devonshire Rd	Mechanical (Residential)	General HVAC	EXACT REPLACEMENT OF DUCTLESS SYSTEM IN SAME LOCATION		Yes	No		Mini Split
MECHR24-0489	2024-08-09	Residential	1600 Saunders Cres	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR24-0486	2024-05-23	Residential	588 Trego Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER, SAME SIZE & LOCATION		No	No		
MECHR24-0485	2024-05-22	Residential	1306 S Forest Ave	Mechanical (Residential)	General HVAC	REPLACE UNICO AC SYSTEM		No	No		
MECHR24-0484	2024-03-19	Residential	941 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER, SAME SIZE IN SAME EXACT LOCATION		No	No		
MECHR24-0482	2024-03-29	Residential	2011 Brampton Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0480	2024-10-10	Residential	2245 S Main St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (install A/C once weather is warmer)		No	No		
MECHR24-0476	2024-08-05 14:00:08	Residential	310 Wilton St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0475	2024-03-15	Residential	2259 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPALCE FURNACE	No	No		
MECHR24-0474	2024-09-19	Residential	2239 Trillium Ln	Mechanical (Residential)	General HVAC	new house	new construction	Yes	Yes	Geothermal	Geothermal
MECHR24-0472	2024-07-22 09:20:10	Residential	921 Packard St	Mechanical (Residential)	General HVAC	Replace furnace.	Replace furnace	No	No		
MECHR24-0471	2024-05-10	Residential	3280 Chelsea Cir	Mechanical (Residential)	General HVAC	45 K FURNACE REPLACEMENT	45K FURNACE REPLACEMENT	No	No		
MECHR24-0467	2024-04-25	Residential	3621 Waldenwood Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0466	2024-03-24	Residential	2765 Nixon Rd	Mechanical (Residential)	General HVAC	Replacing the furnace	Replacing the furnace	No	No		
MECHR24-0459	2024-04-11	Residential	2127 Highland Rd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0456	2024-03-21	Residential	2731 Canterbury Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0454	2024-03-15	Residential	111 Longman Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0453	2024-05-11	Residential	1806 Orchard St	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR24-0445	2024-03-29	Residential	1611 Abbott Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0444	2024-03-19	Residential	1028 Pine Tree Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0434	2024-08-28	Residential	112 Collingwood Dr	Mechanical (Residential)	General HVAC	install new furnace air conditioner duct system bath and range vent	install new furnace and air-conditioner duct system and ba	No	No		
MECHR24-0433	2024-06-01	Residential	2510 Powell Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0428	2024-03-14	Residential	3125 Asher Rd	Mechanical (Residential)	General HVAC	ICP Standard eff gas furnace installed, replace existing		No	No		
MECHR24-0417	2024-03-13	Residential	1148 Vesper Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0412	2024-08-02	Residential	3325 Platt Rd	Mechanical (Residential)	General HVAC	`Replace Furnace Reconnect Ductwork to 2nd Floor`		No	No		
MECHR24-0409	2024-03-20	Residential	318 E William St	Mechanical (Residential)	General HVAC	Remove and replace furnace, water heater and install chimney liner	Install chimney liner	No	No		
MECHR24-0407	2024-03-21	Residential	3306 Goat Fell	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR24-0406	2024-06-19	Residential	3384 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0404	2024-05-14	Residential	234 Eighth St	Mechanical (Residential)	General HVAC	replace furnace		Yes	Yes		Unspecified
MECHR24-0401	2024-06-06	Residential	504 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0400	2024-05-25	Residential	565 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0399	2024-06-08	Residential	573 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0398	2024-06-19	Residential	3382 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0397	2024-06-21	Residential	2001 Crestland Dr	Mechanical (Residential)	General HVAC	`Install a/c Rework supplies`		No	No		
MECHR24-0396	2024-04-13	Residential	532 Galen Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0395	2024-04-13	Residential	1475 Kelly Green Dr	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR24-0393	2024-07-18	Residential	3150 Shamrock Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0391	2024-08-10	Residential	502 Crest Ave	Mechanical (Residential)	General HVAC	Installing a 2 head mini split system (No reconnect/New Build Construct--Email attached)		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0388	2025-12-31	Residential	12 Metroview Ct	Mechanical (Residential)	General HVAC	FURNACE, HOT WATER HEATER,		No	No		
MECHR24-0387	2024-02-27	Residential	1612 Waltham Dr	Mechanical (Residential)	General HVAC	Replacing HVAC equipment and adding a humidifier		No	No		
MECHR24-0384	2024-04-11	Residential	851 Mt Pleasant Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and AC with new one	Replace existing Furance and Ac with new one	No	No		
MECHR24-0382	2024-03-20	Residential	1115 Spring St	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-0377	2024-03-20	Residential	2111 Yorktown Dr	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0372	2024-03-28	Residential	3228 Bluett Dr	Mechanical (Residential)	General HVAC	Replace 100K BTU furnace. Install humidifier and air purifier.	Replace 100K BTU furnace, humidifier and air purifier.	No	No		
MECHR24-0370	2024-04-12	Residential	1310 Harbrooke Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR24-0368	2024-08-10	Residential	3200 Lorraine St	Mechanical (Residential)	General HVAC	Replace existing natural gas furnace with a condensing two stage furnace	Replace existing natural gas furnace with a condensing two	No	No		
MECHR24-0364	2024-03-07	Residential	2166 Pennsylvania Ln	Mechanical (Residential)	General HVAC	Replace Exisitng Gas furance with new one	Replace existing gas furnace with new one	No	No		
MECHR24-0359	2024-06-29	Residential	2204 Brockman Blvd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR24-0357	2024-03-03	Residential	416 W Jefferson St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0356	2024-04-26	Residential	3593 Frederick Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0353	2024-03-29	Residential	869 Starwick Dr	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER		No	No		
MECHR24-0352	2024-03-09	Residential	3431 Gettysburg Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0351	2024-03-02	Residential	2315 Brockman Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0348	2024-04-24	Residential	312 Beakes St	Mechanical (Residential)	General HVAC	Furnace Replacement	Furnace Replacement	No	No		
MECHR24-0346	2024-04-24	Residential	919 Oakland Ave	Mechanical (Residential)	General HVAC	Furnace Replacement	Replace furnace	No	No		
MECHR24-0345	2024-12-12	Residential	3235 Fernwood Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0344	2025-06-12	Residential	2718 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (install A/C in the spring)		No	No		
MECHR24-0343	2024-03-15	Residential	3636 Eli Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR24-0336	2024-05-02	Residential	2881 Ticknor Ct	Mechanical (Residential)	General HVAC	Install Heat Pump condenser and indoor wall unit. (Split system). ELECTRICAL to be completed by PEARL ELECTRIC.	Install Heat Pump / Condenser. Install wall mount unit inside. ELECTRICAL TO BE COMPLETED BY PEARL ELECTRIC.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0329	2024-05-09	Residential	594 Glendale Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-0327	2024-06-20	Residential	1512 Geddes Ave	Mechanical (Residential)	General HVAC	hvac and gas line new build	New Construction HVAC and gas line	No	No		
MECHR24-0324	2024-08-20	Residential	1649 Franklin St	Mechanical (Residential)	General HVAC	Replacement of existing furnace, A/C		No	No		
MECHR24-0322	2024-06-18	Residential	3031 Barclay Way	Mechanical (Residential)	General HVAC	replace furnace	`replace furnaceLennox- ML180UH090e48b90000btu`	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0317	2024-02-28	Residential	2165 Newport Rd	Mechanical (Residential)	General HVAC	Replace existing furnace	Replace existing nat. gas furnace	No	No		
MECHR24-0316	2024-03-24	Residential	1101 Birk Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0315	2024-04-14	Residential	241 Collingwood Dr	Mechanical (Residential)	General HVAC	Replace one furnace	Replace one natural gas furnace	No	No		
MECHR24-0314	2024-03-09	Residential	3645 Waldenwood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0313	2024-03-02	Residential	3291 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0311	2024-05-15	Residential	315 N Revena Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0305	2024-03-03	Residential	1716 Chandler Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0302	2024-08-02	Residential	2106 Carhart Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0299	2024-05-10	Residential	3096 Chelsea Cir	Mechanical (Residential)	General HVAC	70K FURNACE REPLACEMENT	70K FURNACE REPLACEMENT	No	No		
MECHR24-0298	2024-08-07	Residential	698 Trego Cir	Mechanical (Residential)	General HVAC	Replacement of furnace		No	No		
MECHR24-0292	2024-05-07	Residential	1424 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0291	2024-06-07	Residential	2310 Yost Blvd	Mechanical (Residential)	General HVAC	furnace & ac replacement. install insulated ducting in attic	furnace & ac replacement with insulated duct system	No	No		
MECHR24-0286	2024-05-23	Residential	3261 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR24-0285	2024-03-01	Residential	1717 Waverly Rd	Mechanical (Residential)	General HVAC	`replace furnace 70000 btu ek196uh070xe`		No	No		
MECHR24-0279	2024-03-09	Residential	744 Peninsula Ct	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-0277	2024-07-26 12:13:09	Residential	445 Hiscock St	Mechanical (Residential)	General HVAC	New construction of duplex. Full install of new HVAC system including furnace, AC, ductwork, bath fan venting and gas lines.	New construction of duplex. Full install of new HVAC syste	No	No		
MECHR24-0276	2024-07-25	Residential	435 Hiscock St	Mechanical (Residential)	General HVAC	New construction install of HVAC system.	New construction of duplex. Full install of new HVAC syste	No	No		
MECHR24-0273	2024-02-18	Residential	233 Highlake Ave	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR24-0272	2024-02-18	Residential	926 Sylvan Ave	Mechanical (Residential)	General HVAC	Remove and replace furnace	Remove and replace furnace	No	No		
MECHR24-0270	2024-03-27	Residential	2640 Traver Blvd	Mechanical (Residential)	General HVAC	80% 100K BTU FURNACE REPLACEMENT	80% 100K BTU FURNACE REPLACEMENT	No	No		
MECHR24-0266	2024-02-18	Residential	3377 Cromwell Rd	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR24-0263	2024-08-10	Residential	2418 Meadowridge Ct	Mechanical (Residential)	General HVAC	replacement of furnace, ac and coil		No	No		
MECHR24-0262	2025-02-15	Residential	652 Northside Ave	Mechanical (Residential)	General HVAC	Install 60k BTU Furnace, 3 Ton AC, and 50gl Hot water tank		No	No		
MECHR24-0261	2024-03-06	Residential	3288 Bluett Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0260	2024-02-14	Residential	3150 Hunting Valley Rd	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR24-0259	2024-08-21	Residential	3065 Belvidere St	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0258	2024-05-08	Residential	2683 Bellwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (Install the A/C in the spring when weather is warmer)		No	No		
MECHR24-0257	2024-09-17	Residential	1719 Chandler Rd	Mechanical (Residential)	General HVAC	`Install mini-split system to new building Vent bath fan`		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR24-0256	2024-05-29	Residential	736 Miller Ave	Mechanical (Residential)	General HVAC	Furnace, AC, Gas Piping, Duct Distribution, and Exhaust Venting	Furnace, AC, Gas Piping, Duct Distribution, and Exhaust V	No	No		
MECHR24-0252	2024-06-20	Residential	3007 Barclay Way	Mechanical (Residential)	General HVAC	**TrakiT permit/Fees Paid 2016** Furnace inspection	furnace inspection only. rental property	No	No		
MECHR24-0248	2024-05-08	Residential	1529 Franklin St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0247	2024-03-28	Residential	1910 Lindsay Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0246	2024-06-16	Residential	2 Ruthven Pl	Mechanical (Residential)	General HVAC	`Replace Furnace and A/C (Install A/C in the spring for when weather is warmer.)`		No	No		
MECHR24-0243	2024-06-07	Residential	572 Concord Pines Dr	Mechanical (Residential)	General HVAC	INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT		No	No		
MECHR24-0241	2024-02-28	Residential	1619 South Blvd	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-0240	2024-04-05	Residential	725 S Division St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-0239	2024-05-22	Residential	2914 N Knightsbridge Cir	Mechanical (Residential)	General HVAC	Replace Old Furnace with a new Furnace and replace old A/c with a new A/C in the spring when weather is warmer.		No	No		
MECHR24-0237	2024-02-27	Residential	2390 Foxway Dr	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-0235	2024-02-25	Residential	3475 Brentwood Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR24-0227	2024-03-23	Residential	1416 Pontiac St 1	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0226	2024-04-18	Residential	1000 Morningside Dr	Mechanical (Residential)	General HVAC	`Kitchen Remodel and Remodel of Existing Breezeway Install mini split and vent kitchen exhaust fan`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0221	2024-06-02	Residential	2940 Barclay Way	Mechanical (Residential)	General HVAC	FURNACE		No	No		
MECHR24-0220	2024-02-17	Residential	624 Burr Oak Dr	Mechanical (Residential)	General HVAC	`a/c unit water heater furnace`	`a/c unit water heater nothing is new, already installed`	No	No		
MECHR24-0214	2024-02-18	Residential	2883 Ticknor Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0212	2024-02-18	Residential	1111 Pauline Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0211	2025-02-21	Residential	1201 Gardner Ave	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP, DUCT WORK	REROUTE DUCT WORK AND INSTALL RHEEM 18 SEER HEA	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-0209	2024-02-21	Residential	303 Riverview Dr	Mechanical (Residential)	General HVAC	96% 80K BTU FURNACE REPLACEMENT	96% 80K BTU FURNACE REPLACEMENT	No	No		
MECHR24-0206	2024-07-18	Residential	1113 Lutz Ave	Mechanical (Residential)	General HVAC	`Install new furnace and a/c with all ductwork to new addition Vent bath fan`		No	No		
MECHR24-0203	2025-01-31	Residential	2686 Heather Way	Mechanical (Residential)	General HVAC	Replace furnace		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0202	2024-10-16	Residential	1803 Cayuga Pl	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR24-0200	2024-05-16	Residential	1541 Broadway St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0199	2024-02-18	Residential	707 Felch St	Mechanical (Residential)	General HVAC	furnace and humidifier replacement		No	No		
MECHR24-0196	2024-02-16	Residential	1427 Golden Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0194	2024-07-17	Residential	2870 Lakehurst Ln	Mechanical (Residential)	General HVAC	furnace replacement	furnace replacement	No	No		
MECHR24-0192	2024-02-13	Residential	12 Ridgemor Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0184	2024-02-18	Residential	2170 Overlook Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0183	2024-02-17	Residential	1111 Elder Blvd	Mechanical (Residential)	General HVAC	ICP Standard eff gas furnace installed, replace existing		No	No		
MECHR24-0182	2024-04-03	Residential	2130 Tuomy Rd	Mechanical (Residential)	General HVAC	REPLACE TWO FURNACES		No	No		
MECHR24-0178	2024-08-30 12:21:11	Residential	1503 Wells St	Mechanical (Residential)	General HVAC	Furnace, AC, Duct Distribution, Bath Venting and Gas Line	Furnace, AC, Duct Distribution, Bath Exhaust and Gas Line	No	No		
MECHR24-0168	2024-03-10	Residential	1222 Arella Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0167	2024-02-13	Residential	927 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0165	2024-05-25	Residential	3380 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0164	2024-05-17 15:52:37	Residential	3378 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0161	2024-03-30	Residential	1829 Michelle Ct	Mechanical (Residential)	General HVAC	Furnace installation		No	No		
MECHR24-0159	2024-03-30	Residential	2872 Elmwood Ave	Mechanical (Residential)	General HVAC	Furnace installation	Furnace installation	No	No		
MECHR24-0154	2024-05-01	Residential	3376 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK ENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR24-0150	2024-05-09	Residential	1952 Cambridge Rd	Mechanical (Residential)	General HVAC	Replace old furnace with a new furnace and Replace old A/C in the spring with a new A/C. (Install A/C in the spring when weather is warmer)		No	No		
MECHR24-0149	2024-03-01	Residential	3374 Cromwell Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR24-0143	2024-02-08	Residential	2295 Chaucer Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0140	2024-02-28	Residential	1411 Argyle Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HUMIDIFIER AND CHIMNEY LINER	REPLACE FURNACE, HUMIDIFIER AND CHIMNEY LINER	No	No		
MECHR24-0138	2024-04-24	Residential	2401 Colony Ct	Mechanical (Residential)	General HVAC	replace furnace and hot water tank	Replace furnace and hot water tank	No	No		
MECHR24-0135	2024-07-07	Residential	659 Turner Park Ct	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-0131	2024-03-30	Residential	304 Wildwood Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR24-0130	2024-03-01	Residential	1540 Las Vegas Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0129	2024-04-04	Residential	511 W Jefferson St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0128	2024-03-17	Residential	2480 Newbury Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR24-0125	2024-03-05	Residential	2115 Woodside Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0124	2024-04-13	Residential	1781 Arlington Blvd	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR24-0120	2024-07-14	Residential	912 Edgewood Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0117	2024-03-14	Residential	415 W Hoover Ave	Mechanical (Residential)	General HVAC	Replace 70k furnace, Liner, Humidifier, 2.5 A/C	Replace 70k furnace, liner, humidifier, A/C	No	No		
MECHR24-0114	2024-03-03	Residential	3461 Creek Dr	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR24-0109	2024-03-03	Residential	1817 Abbott Ave	Mechanical (Residential)	General HVAC	`Furnace replce 2 fans`		No	No		
MECHR24-0108	2024-02-14	Residential	773 Scio Church Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0107	2024-07-24	Residential	1345 Bardstown Trl	Mechanical (Residential)	General HVAC	FURNACE RECONNECT		No	No		
MECHR24-0093	2024-11-06	Residential	1780 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0092	2024-11-06	Residential	1782 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0091	2024-10-15	Residential	1754 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0090	2024-10-15	Residential	1756 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0089	2024-05-19	Residential	632 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS HOUSE HAS A FINSHED BASEMENT`		No	No		
MECHR24-0088	2024-10-23	Residential	1734 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction hvac	New residential construction HVAC	No	No		
MECHR24-0087	2024-10-23	Residential	1736 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0086	2024-10-23	Residential	1724 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0085	2024-10-23	Residential	1726 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction HVAC	New residential construction HVAC	No	No		
MECHR24-0084	2024-09-11	Residential	1071 Young Pl	Mechanical (Residential)	General HVAC	Remodel: Rework supply duct and five heat runs. Install venting for range hood. Install MUA for range hood. Install two bath fans with new vent pipe. Rework furnace intake and exhaust vent pipe in attic to accommodate new skylight.	Remodel: Rework supply duct and five heat runs. Install ve	No	No		
MECHR24-0082	2024-03-10	Residential	2507 Meade Ct	Mechanical (Residential)	General HVAC	Replace Furnace/Coil	Replace Furnace/Coil	No	No		
MECHR24-0080	2024-03-01	Residential	2312 Devonshire Rd	Mechanical (Residential)	General HVAC	Replace furnace and a/c		No	No		
MECHR24-0079	2024-05-08	Residential	520 Linden St 1	Mechanical (Residential)	General HVAC	replace furnace	furnace replacement	No	No		
MECHR24-0073	2024-06-29	Residential	1720 Creal Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR24-0071	2024-03-03	Residential	3058 Chelsea Cir	Mechanical (Residential)	General HVAC	70K FURNACE REPLACEMENT	70K FURNACE REPLACEMENT	No	No		
MECHR24-0068	2024-05-01	Residential	3374 Arden Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGEHOOD, BATH FANS, REGISTERS AND GRILLS`		No	No		
MECHR24-0063	2024-04-04	Residential	2219 S Main St	Mechanical (Residential)	General HVAC	REPLACE EXISTING BRYANT FURNACE MODEL #340MFAV024040 WITH A CARRIER 2 STAGE 60BTU 90% MODEL #59TP6B060V17-14K FURNACE, REPLACE AC WITH CARRIER COIL #CVPVA3017XMC, REPLACE AC CONDENSER M#24SCA424N003, REPLACE AIR PURIFIER WITH REME-HALO		No	No		
MECHR24-0060	2024-03-01	Residential	1332 King George Blvd	Mechanical (Residential)	General HVAC	Replace existing furnace ,96% efficient humidifier	Replace existing furnace and humidifier	No	No		
MECHR24-0059	2024-02-04	Residential	2711 Holyoke Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0056	2024-02-08	Residential	3234 Kilburn Park Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0054	2024-02-08	Residential	686 Greenhills Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR24-0051	2024-07-09	Residential	891 Starwick Dr	Mechanical (Residential)	General HVAC	Furnace, AC, Duct Distribution, Exhaust Venting, and Gas Piping	Furnace, AC, Duct Distribution, Exhaust Venting, and Gas I	No	No		
MECHR24-0050	2024-03-14	Residential	2971 S Foxridge Ct	Mechanical (Residential)	General HVAC	Replace 80k furnace and humidifier	Replace 80k furnace and humidifier	No	No		
MECHR24-0049	2024-08-10	Residential	1115 Wells St	Mechanical (Residential)	General HVAC	Replace existing furnace and air conditioner with new dual fuel furnace and heat pump	Replace existing nat. gas furnace with dual fuel furnace an	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR24-0043	2024-03-15	Residential	1430 Pontiac St	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR24-0041	2024-02-22	Residential	1275 Morehead Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR24-0040	2024-03-08	Residential	925 E Ann St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0030	2024-02-03	Residential	1215 Wynnstone Dr	Mechanical (Residential)	General HVAC	REPALCE FURNACE	REPLACE FURNACE	No	No		
MECHR24-0027	2024-02-17	Residential	2112 Abbott Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0022	2024-03-03	Residential	3219 Roon The Ben	Mechanical (Residential)	General HVAC	Replacement of furnace		No	No		
MECHR24-0019	2024-02-27	Residential	2466 Trenton Ct	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR24-0017	2024-05-19	Residential	508 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, HOOD VENT, BATH FANS, REGISTERS AND GRILLS`		No	No		
MECHR24-0013	2024-03-05	Residential	1405 N Folkstone Ct	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR24-0010	2024-04-19	Residential	1122 Michigan Ave	Mechanical (Residential)	General HVAC	REPLACE AC AND FURNACE	Install 17 panel solar array on residence roof, grid tied	No	No		
MECHR24-0009	2024-02-28	Residential	2892 E Eisenhower Pkwy	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR24-0002	2024-03-01	Residential	511 W Keech Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR24-0001	2024-05-11	Residential	1411 Henry St	Mechanical (Residential)	General HVAC	install heat pump, vent bath fan add duct	install mini split heat pump, vent bath fan add duct to addi	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3613	2024-10-23	Residential	1744 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-3612	2024-10-23	Residential	1746 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-3611	2024-06-12 09:44:57	Residential	716 W Huron St	Mechanical (Residential)	General HVAC	Install a furnace, an air handler, 2 heat pumps, duct work.		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3606	2024-06-15	Residential	1601 Hatcher Cres	Mechanical (Residential)	General HVAC	Water heater and furnace installation	Installed water heater and furnace	No	No		
MECHR23-3603	2024-02-15	Residential	3261 Ravenwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3601	2024-10-07	Residential	1714 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction hvac	new residential construction hvac	No	No		
MECHR23-3600	2024-10-07	Residential	1716 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-3599	2024-06-17 11:53:57	Residential	1304 Brooks St	Mechanical (Residential)	General HVAC	Supply and Install electric heat pump for heating and cooling for addition. Bath fans, gas line to fireplace.	Supply and install electric mini split to addition. gas line an	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3597	2024-03-20	Residential	701 Sunset Rd	Mechanical (Residential)	General HVAC	INSTALL MINISPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3596	2024-07-18	Residential	113 Virginia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-3595	2024-03-02	Residential	1619 Harbal Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3594	2024-01-23	Residential	1515 Avondale Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3593	2024-02-07	Residential	3309 Packard Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3590	2024-01-23	Residential	1600 Newport Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-3579	2024-03-14	Residential	594 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3577	2025-03-08	Residential	2594 Oak Hills Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3576	2024-05-16	Residential	557 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER , HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3575	2024-02-18	Residential	2805 Sequoia Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AIR CONDITIONER		No	No		
MECHR23-3571	2024-02-07	Residential	628 Brooks St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3570	2024-02-07	Residential	1301 W Madison St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3569	2024-02-13	Residential	1112 Snyder Ave	Mechanical (Residential)	General HVAC	replace furnace		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-3568	2024-01-18	Residential	3311 Cardinal Ave	Mechanical (Residential)	General HVAC	REPLAACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-3566	2024-05-08	Residential	513 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3565	2024-02-27	Residential	604 N Maple Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-3563	2024-03-28	Residential	3420 E Dobson Pl	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES AND 2 HUMIDIFIERS	REPLACE 2 FURNACES AND 2 HUMIDIFIERS	No	No		
MECHR23-3560	2024-02-25	Residential	2875 Briarcliff St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3559	2024-02-17	Residential	1525 Riverwood Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3558	2024-06-30	Residential	902 Miner St	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR23-3557	2024-02-17	Residential	548 S First St	Mechanical (Residential)	General HVAC	Replace furnace, air conditioner, humidifier.	Replace furnace, air conditioner, humidifier.	No	No		
MECHR23-3556	2024-02-15	Residential	3569 Frederick Dr	Mechanical (Residential)	General HVAC	Replace furnace and humidifier.		No	No		
MECHR23-3543	2024-01-23	Residential	2765 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3540	2024-02-17	Residential	1375 Kelly Green Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR23-3535	2024-05-02	Residential	912 Rose Ave	Mechanical (Residential)	General HVAC	`Furnace / AC / Misc. Duct Alteration 2 - Bathfans Furnace Replacement AC Replacement`	`New GasLinePressure TestDuct AlterationBathfan`	No	No		
MECHR23-3534	2024-01-24	Residential	3067 Woodmanor Ct	Mechanical (Residential)	General HVAC	Furnace and HWT replacement	Furnace and HWT replacement	No	No		
MECHR23-3532	2025-02-13	Residential	207 Sunset Rd	Mechanical (Residential)	General HVAC	`new res HVAC furnace A/C duct to complete 3 bathfans 1 dyer vent`		No	No		
MECHR23-3530	2025-02-13	Residential	205 Sunset Rd	Mechanical (Residential)	General HVAC	`new construction HVAC Furnace A/C Duct to complete 3 bathfans 1 dryer vent`		No	No		
MECHR23-3524	2024-01-24	Residential	109 Ponds View Dr	Mechanical (Residential)	General HVAC	80% 80K BTU FURNACE REPLACEMENT	80% 80K BTU FURNACE REPLACEMENT	No	No		
MECHR23-3523	2024-09-06	Residential	1120 Lincoln Ave	Mechanical (Residential)	General HVAC	HVAC FOR NEW ADDITION AND EXISTING. 5 head mini split, relocate 2 existing radiators, 5 baths fans, dryer vent, range vent		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-3522	2024-02-28	Residential	1231 Barrister Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3520	2024-02-28	Residential	1615 Hatcher Cres	Mechanical (Residential)	General HVAC	REPLACE EXISTING FURANCE AND CONDENSER - HUTZEL JOB # 16631861		No	No		
MECHR23-3517	2026-01-22 12:38:29	Residential	1410 Kearney Rd	Mechanical (Residential)	General HVAC	New furnace, A/C, duct work and gas line		No	No		
MECHR23-3512	2024-02-22	Residential	303 Doty Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3510	2024-01-25	Residential	1044 W Liberty St	Mechanical (Residential)	General HVAC	Replaced furnace	installed new furnace	No	No		
MECHR23-3508	2024-04-07	Residential	206 Fieldcrest St	Mechanical (Residential)	General HVAC	Replace furnace and a/c systems	Replace furnace and a/c	No	No		
MECHR23-3507	2024-03-03	Residential	3376 Chelsea Cir	Mechanical (Residential)	General HVAC	45K FURNACE REPLACEMENT	45K FURNACE REPLACEMENT	No	No		
MECHR23-3504	2024-02-22	Residential	930 W Huron St	Mechanical (Residential)	General HVAC	INSTALL FURNACE		No			
MECHR23-3503	2024-02-22	Residential	934 W Huron St	Mechanical (Residential)	General HVAC	Install Water Heater and AC		No			
MECHR23-3502	2024-02-22	Residential	918 W Huron St	Mechanical (Residential)	General HVAC	Water heater and AC		No			
MECHR23-3501	2024-09-06	Residential	926 W Huron St	Mechanical (Residential)	General HVAC	Installation of AC		No			
MECHR23-3499	2024-02-28	Residential	1101 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE EXISTING MINI-SPLIT HEAT PUMP SYSTEM - HUTZEL JOB # 16294064	`Replace existing heat pump system with Daiken dual zone mini-split heat pump system including: 1-2MXL18WMJU9 1.5 ton condensing unit (up to 19 SEER efficiency rating) 2- FTXS18WVJU9 wall mount evaporators with remote controllers`	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3496	2024-03-02	Residential	3607 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3492	2024-02-15	Residential	1280 Bardstown Trl	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR23-3490	2024-02-17	Residential	1104 Belmar Pl	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-3478	2024-01-27	Residential	822 Dartmoor Rd	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS HEAT PUMP FOR 2ND FLOOR BEDROOMS		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3477	2024-04-16	Residential	2946 Burlington St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3476	2024-01-20	Residential	2904 Brockman Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3472	2024-01-20	Residential	3944 Penberton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3471	2024-01-13	Residential	1940 Ivywood Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3470	2024-01-11	Residential	1255 Severn Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-3466	2024-05-04	Residential	639 Turner Park Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3462	2024-01-17	Residential	911 Dewey Ave	Mechanical (Residential)	General HVAC	Replace 80,000 btu 96% single stage gas comfortmaker furnace.	replacing 1 80,000 btu 96% single stage gas comfortmaker	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-3457	2024-01-30	Residential	2291 Medford Rd	Mechanical (Residential)	General HVAC	`Replace furnace Replace water heater`	`Replace furnaceReplace water heater`	No	No		
MECHR23-3456	2024-02-14	Residential	3150 Rumsey Dr	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR23-3453	2024-01-23	Residential	584 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	Furnace Replacement	Replace furnace	No	No		
MECHR23-3440	2024-05-08	Residential	569 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOME WITH A FINISHED BSMT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3432	2024-02-17	Residential	2011 Helen St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3425	2024-06-06	Residential	2554 Carmel St	Mechanical (Residential)	General HVAC	`Replace Furnace and A/C We will finish A/C in the spring when weather is warmer.`		No	No		
MECHR23-3424	2024-07-24	Residential	906 Lincoln Ave 2	Mechanical (Residential)	General HVAC	Furnace, A/C, duct work, gas line for furnace only		No	No		
MECHR23-3423	2024-07-24	Residential	906 Lincoln Ave 1	Mechanical (Residential)	General HVAC	Furnace, A/C, Duct work , gas line for furnace only		No	No		
MECHR23-3421	2024-03-06	Residential	710 McKinley Ave	Mechanical (Residential)	General HVAC	Replace 110k furnace and liner	Replace 110k furnace and liner	No	No		
MECHR23-3419	2024-05-04	Residential	718 Carbeck Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-3412	2024-01-12	Residential	640 Dartmoor Rd	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR23-3411	2024-01-23	Residential	1824 Pontiac St	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier/Chimney Liner	Replace Furnace/Humidifier/Chimney Liner	No	No		
MECHR23-3410	2024-02-07	Residential	803 Barton Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3407	2024-05-30	Residential	1817 Pontiac St	Mechanical (Residential)	General HVAC	`Install two new Mr. Cool outdoor mini split heat pump units with four 9k and three 12k indoor high wall units to heat and cool home Electrician to wire/provide electrical to both outdoor units.`	`Install two new Mr. Cool outdoor mini split heat pump units with four 9k and three 12k indoor high wall units to heat and cool home Electrician to wire/provide electrical to both outdoor units.`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-3403	2024-02-18	Residential	3425 Gettysburg Rd	Mechanical (Residential)	General HVAC	REPLACE EXISITING FURNACE WITH CASED COIL AND HUMIDIFIER		No	No		
MECHR23-3398	2024-01-06	Residential	489 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank	Replacement of furnace and hot water tank	No	No		
MECHR23-3397	2024-01-24	Residential	2440 Dorchester Rd	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS HEAT PUMP TO LIVING ROOM		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3396	2024-02-18	Residential	1510 Roxbury Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3395	2024-01-12	Residential	1422 Red Oak Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3394	2024-03-09	Residential	303 Glendale Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-3393	2024-02-17	Residential	329 Burr Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3391	2024-01-09	Residential	2991 Leslie Park Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER & GAS WATER HEATER WITH GAS WATER HEATER		No	No		
MECHR23-3390	2024-01-23	Residential	1101 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3389	2024-03-03	Residential	2029 Tibbitts Ct	Mechanical (Residential)	General HVAC	replace furnace and ac		No	No		
MECHR23-3385	2024-04-17	Residential	1303 Harbrooke Ave	Mechanical (Residential)	General HVAC	INSTALL GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-3383	2024-05-01	Residential	505 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3381	2024-02-17	Residential	1521 Pontiac St	Mechanical (Residential)	General HVAC	`97% high eff gas furnace installed, replace existing American Standard`		No	No		
MECHR23-3376	2024-05-22	Residential	1514 Saunders Cres	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3370	2024-02-25	Residential	3517 Paisley Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3368	2024-01-24	Residential	3028 Birch Hollow Dr	Mechanical (Residential)	General HVAC	45K FURNACE REPLACEMENT	45K FURNACE REPLACEMENT	No	No		
MECHR23-3359	2024-01-12	Residential	906 Sunnyside Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3358	2024-07-24	Residential	904 Lincoln Ave 2	Mechanical (Residential)	General HVAC	Furnace, A/C, duct work, gas line to furnace only		No	No		
MECHR23-3357	2024-07-24	Residential	904 Lincoln Ave 1	Mechanical (Residential)	General HVAC	Furnace, A/C, duct work, gas line to furnace only		No	No		
MECHR23-3353	2024-03-13	Residential	521 Carolina Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3347	2024-03-06	Residential	1229 White St	Mechanical (Residential)	General HVAC	Replace 110k furnace and liner	Replace 110k furnace and liner	No	No		
MECHR23-3344	2024-04-12	Residential	3316 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3343	2024-04-18	Residential	3318 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	NORTH OAK VILLAS LOT #174	No	No		
MECHR23-3342	2024-04-18	Residential	3320 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3341	2024-05-01 12:30:31	Residential	3322 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-3339	2024-09-13	Residential	1329 Wines Dr	Mechanical (Residential)	General HVAC	RELOCATE EXISTING HVAC SUPPLIES IN WALL, EXHAUST Bathroom fan.		No	No		
MECHR23-3335	2024-02-18	Residential	1312 Iroquois Pl	Mechanical (Residential)	General HVAC	replace furnace/AC	replace furnace/AC	No	No		
MECHR23-3334	2025-10-15	Residential	1387 Marlborough Dr	Mechanical (Residential)	General HVAC	replace furnace	replace furnace	No	No		
MECHR23-3333	2024-07-08	Residential	9 Blain Ct	Mechanical (Residential)	General HVAC	Install duct work and A/C system.	A/C system and related duct work.	No	No		
MECHR23-3325	2024-03-06	Residential	1801 Independence Blvd 4A	Mechanical (Residential)	General HVAC	Replace 70k Carrier furnace & 2.5 ton A/C (existing)	Replace 70k furnace and 2.5 ton A/C (existing)	No	No		
MECHR23-3317	2024-02-13	Residential	1280 Harpst St	Mechanical (Residential)	General HVAC	Install Furnace and Air Conditioner.	Install furnace and air conditioner.	No	No		
MECHR23-3314	2024-02-17	Residential	2920 Lakehurst Ct	Mechanical (Residential)	General HVAC	replace furnace	replace 90000 btu furnace	No	No		
MECHR23-3311	2024-01-04	Residential	3238 Platt Rd	Mechanical (Residential)	General HVAC	ac change out.		No	No		
MECHR23-3308	2024-01-30	Residential	420 Fifth St	Mechanical (Residential)	General HVAC	Furnace and hot water tank replacement		No	No		
MECHR23-3305	2024-01-18	Residential	2525 Victoria Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR23-3304	2024-01-18	Residential	2065 Columbia Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-3300	2024-02-27	Residential	3231 Cardinal Ave	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS MINI SPLIT		Yes	No		Mini Split
MECHR23-3299	2024-04-12	Residential	2527 Country Village Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, HUMIDIFIER, AND WATER HEATER		No	No		
MECHR23-3298	2024-09-13	Residential	3394 Braeburn Cir	Mechanical (Residential)	General HVAC	HEATING REPAIRS AND REPLACEMENT FOR FIRE DAMAGED HOME		No	No		
MECHR23-3293	2025-09-24	Residential	2823 Pebble Creek Rd	Mechanical (Residential)	General HVAC	Replacing/Installing furnace.		No	No		
MECHR23-3291	2024-02-17	Residential	907 Sunnyside Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3288	2023-12-30	Residential	504 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3287	2024-01-27	Residential	3368 Chelsea Cir	Mechanical (Residential)	General HVAC	45K FURNACE REPLACEMENT	45K FURNACE REPLACEMENT	No	No		
MECHR23-3286	2024-01-05	Residential	425 Hilldale Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3284	2024-02-18	Residential	1503 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-3282	2023-12-20	Residential	219 N State St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, APT #2	REPLACE FURNACE	No	No		
MECHR23-3281	2023-12-19	Residential	609 Lawrence St	Mechanical (Residential)	General HVAC	REPLACE 2 FURNACES	REPLACE 2 FURNACES	No	No		
MECHR23-3280	2024-08-10	Residential	839 Brookwood Pl	Mechanical (Residential)	General HVAC	forced air furnace	hvac	No	No		
MECHR23-3277	2024-03-01	Residential	723 Spring St	Mechanical (Residential)	General HVAC	Replace furnace and a/c		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3276	2024-01-26	Residential	2314 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3270	2024-01-12	Residential	2098 Yorktown Dr	Mechanical (Residential)	General HVAC	*RECONNECT REQUIRED* Install water heater and furnace.	Install a furnace and hot water heater	No	No		
MECHR23-3259	2024-06-12	Residential	475 Pine Brae Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR23-3255	2024-03-01	Residential	3108 Earlmoore Ln	Mechanical (Residential)	General HVAC	Replace 70k furnace	Replace 70k furnace	No	No		
MECHR23-3254	2024-05-29	Residential	1282 Jewett Ave	Mechanical (Residential)	General HVAC	Install furnace a/c duct, vent bath fans		No	No		
MECHR23-3252	2024-01-05	Residential	2551 Prairie St	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-3251	2024-04-19	Residential	624 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3250	2025-01-08	Residential	515 S First St	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c. Adding a humidifier, bath fan exhaust and duct modification.		No	No		
MECHR23-3249	2024-02-04	Residential	1125 Ferdon Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3246	2024-03-14	Residential	118 Virginia Ave	Mechanical (Residential)	General HVAC	Install new HVAC system for second floor remodel	Add furnace and a/c system to second floor remodel proje	No	No		
MECHR23-3243	2023-12-07	Residential	518 Hiscock St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER	REPLACE FURNACE AND CHIMNEY LINER	No	No		
MECHR23-3242	2023-12-06	Residential	8 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-3241	2024-01-24	Residential	1725 Brian Ct	Mechanical (Residential)	General HVAC	replace a/c, furnace, and humidifier		No	No		
MECHR23-3238	2024-01-24	Residential	1725 Brian Ct	Mechanical (Residential)	General HVAC	replace a/c, furnace, and humidifier (NOT A DUPLICATE, 2 SYSTEMS GOING IN AT ADDRESS)		No	No		
MECHR23-3237	2024-01-13	Residential	3640 Charter Pl	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR23-3234	2024-01-05	Residential	1211 Gardner Ave	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR23-3233	2024-01-05	Residential	1052 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE WATER HEATER AND HEAT EXCHANGER	REPLACE WATER HEATER AND HEAT EXCHANGER	No	No		
MECHR23-3231	2024-04-13	Residential	1724 Arbordale St	Mechanical (Residential)	General HVAC	Furnace, AC, and water heater installation	Installation of furnace, AC, and water heater.	No	No		
MECHR23-3229	2024-02-18	Residential	576 Kellogg St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3227	2024-05-01 15:18:49	Residential	615 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMNT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3226	2024-04-12	Residential	592 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3225	2024-04-07	Residential	580 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-3223	2024-03-21	Residential	3123 Lakewood Dr	Mechanical (Residential)	General HVAC	REPLACE MINI SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3220	2023-12-16	Residential	171 Kingsbrook Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3218	2024-01-13	Residential	2031 Carhart Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE		No	No		
MECHR23-3208	2024-07-31	Residential	1245 S Maple Rd 107	Mechanical (Residential)	General HVAC	ICP Standard eff gas furnace installed, replace existing		No	No		
MECHR23-3204	2024-03-26	Residential	751 Watersedge Dr	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace.	No	No		
MECHR23-3195	2024-01-27	Residential	3106 Chelsea Cir	Mechanical (Residential)	General HVAC	70K FURNACE REPLACEMENT	70K FURNACE REPLACEMENT	No	No		
MECHR23-3192	2023-12-22	Residential	311 Collingwood Dr	Mechanical (Residential)	General HVAC	replace 2 furnaces with 2 high efficiency furnaces		No	No		
MECHR23-3191	2024-05-09	Residential	2647 Pittsfield Blvd	Mechanical (Residential)	General HVAC	Replacement furnace 96% 40,000 BTU		No	No		
MECHR23-3190	2024-02-22 10:10:02	Residential	2346 Timbercrest Ct	Mechanical (Residential)	General HVAC	Ductless install gas line install pressure test		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3184	2024-04-07	Residential	2330 St Francis Dr	Mechanical (Residential)	General HVAC	` REPLACE FURNACE, AC AND HUMIDIFER. DUCTWORK`	` REPLACE FURNACE, AC AND HUMIDIFERADD RUN 4 SUP	No	No		
MECHR23-3183	2024-01-13	Residential	3130 Ailsa Craig	Mechanical (Residential)	General HVAC	Furnace Replacement		No	No		
MECHR23-3182	2024-02-17	Residential	3100 Lorraine St	Mechanical (Residential)	General HVAC	Replace existing furnace with new one	Replace exisitng furnace with new one	No	No		
MECHR23-3181	2023-12-16	Residential	2412 Colony Ct	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR23-3179	2023-11-30	Residential	207 Miller Ave	Mechanical (Residential)	General HVAC	Furnace and AC replacement	Furnace and AC replacement	No	No		
MECHR23-3174	2023-12-06	Residential	1609 Traver St	Mechanical (Residential)	General HVAC	Furnace installation	Furnace installation	No	No		
MECHR23-3172	2024-02-08	Residential	2275 Hickory Point Dr	Mechanical (Residential)	General HVAC	Replace/install ac, furnace, and humidifier.	Replace/install ac, furnace, and humidifier.	No	No		
MECHR23-3167	2024-02-17	Residential	2639 English Oak Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, WATER HEATER		No	No		
MECHR23-3166	2024-03-07	Residential	3333 Edgewood Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR23-3163	2024-01-05	Residential	2952 St Aubin Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3161	2024-01-09	Residential	719 Packard St	Mechanical (Residential)	General HVAC	Replace 2 Furnaces		No	No		
MECHR23-3158	2023-12-12	Residential	1002 W Liberty St	Mechanical (Residential)	General HVAC	Mini-split installation		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-3156	2024-02-28	Residential	212 Koch Ave	Mechanical (Residential)	General HVAC	replace existing furnace		No	No		
MECHR23-3154	2024-01-04	Residential	914 Westwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR23-3148	2024-01-10	Residential	2504 Sequoia Pkwy	Mechanical (Residential)	General HVAC	Water heater and AC		No	No		
MECHR23-3126	2024-02-17	Residential	12 Ridgeway St	Mechanical (Residential)	General HVAC	(2) indoor mini split wall mount units with (1) outdoor unit		Yes	No		Mini Split
MECHR23-3125	2025-05-21	Residential	3228 Farmbrook Ct	Mechanical (Residential)	General HVAC	Install (2) mini splits for the new addition		Yes	No		Mini Split
MECHR23-3120	2024-04-03	Residential	1124 Saunders Cres	Mechanical (Residential)	General HVAC	INSTALLING DUCTLESS MINI SPLIT		Yes	No		Mini Split
MECHR23-3116	2023-12-06	Residential	547 Sixth St	Mechanical (Residential)	General HVAC	Furnace replacement	Replacing 80% furnace	No	No		
MECHR23-3108	2024-05-01	Residential	1030 Bluestem Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-3107	2024-06-01	Residential	2543 Avant Ave 106	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2557, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3106	2024-06-01	Residential	2543 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2556	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3105	2024-06-01	Residential	2543 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN **Sub permit of BLDG21-2555, Building 7 - unit 104**	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3104	2024-06-01	Residential	2543 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2552	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3103	2024-06-01	Residential	2543 Avant Ave 102	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2554, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3102	2024-06-01	Residential	2543 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2553	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3100	2023-12-09	Residential	1328 Rosewood St	Mechanical (Residential)	General HVAC	permit furnace and ac		No	No		
MECHR23-3088	2024-01-06	Residential	3390 Porter Ave	Mechanical (Residential)	General HVAC	replace water heater, furnace, and AC		No	No		
MECHR23-3085	2024-01-11	Residential	830 Sunrise Ct	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-3084	2024-03-30	Residential	616 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, AND DUCTWORK IN A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTERS AND GRILLS`		No	No		
MECHR23-3083	2023-11-17	Residential	3580 Platt Rd	Mechanical (Residential)	General HVAC	70k Btu furnace (residenti-al)down flow 80%	70k Btu furnace (residenti-al)down flow 80%	No	No		
MECHR23-3082	2024-02-08	Residential	2425 Placid Way	Mechanical (Residential)	General HVAC	replace condenser and coil		No	No		
MECHR23-3075	2023-12-30	Residential	2846 Provincial Dr	Mechanical (Residential)	General HVAC	Replace Furnace/Humidifier	Replace Furnace/Humidifier	No	No		
MECHR23-3073	2024-03-03	Residential	621 Miner St	Mechanical (Residential)	General HVAC	install ductless minisplit 18,000 BTU's heat pump for attic renovation	Install ductless minisplit 18,000"s heat pump system for renovation of attic	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-3066	2023-12-15	Residential	1705 David Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3063	2023-12-14	Residential	1100 Chestnut Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-3062	2024-07-31	Residential	2222 Delaware Dr	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR23-3061	2024-02-23	Residential	2355 Lancashire Dr 1B	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3058	2024-02-14	Residential	2984 Birch Hollow Dr 1A	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3056	2023-12-14	Residential	3209 Aldwych Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3054	2024-03-15	Residential	807 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace Furnace And A/C		No	No		
MECHR23-3052	2023-12-09	Residential	928 Aberdeen Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR23-3051	2024-05-30	Residential	715 Sunset Rd	Mechanical (Residential)	General HVAC	replace existing A/C, reconnect by electrician	replace existing A/C	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-3050	2024-05-30	Residential	715 Sunset Rd	Mechanical (Residential)	General HVAC	Install air handler, heat pump, ductwork, vent two bath fans	install heat pump and ductwork, vent two bath fans	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3049	2023-12-30	Residential	1321 Sheehan Ave	Mechanical (Residential)	General HVAC	Remove and replace both furnaces and water heater		No	No		
MECHR23-3048	2023-12-30	Residential	406 S Revena Blvd	Mechanical (Residential)	General HVAC	Remove and replace furnace		No	No		
MECHR23-3045	2024-04-12	Residential	3239 Baylis Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-3037	2023-12-13	Residential	484 Village Oaks Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3035	2024-03-29	Residential	588 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-3032	2023-12-14	Residential	1710 Morehead Dr	Mechanical (Residential)	General HVAC	Install furnace, humidifier, chimney liner - replacement.		No	No		
MECHR23-3031	2024-01-21	Residential	704 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner.	Replace furnace and air conditioner.	No	No		
MECHR23-3028	2024-01-04	Residential	2108 Alice St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-3026	2024-01-13	Residential	3529 Terhune Rd	Mechanical (Residential)	General HVAC	furnace and ac inspection	furnace and ac replacement	No	No		
MECHR23-3025	2023-12-06	Residential	687 Watersedge Dr	Mechanical (Residential)	General HVAC	Replace/install AC.	Replace/install ac.	No	No		
MECHR23-3024	2023-11-21	Residential	2384 Placid Way	Mechanical (Residential)	General HVAC	Installed final hookup ducting from the microwave to the already existing termination. The previous mechanical contractor who vented the piping cannot be contacted. To finalize the inspections a new permit was needed. RT HVAC is not liable for any defaults in the ducting to the outside only ducting inside of cabinetry.	Installed final hookup ducting from the microwave to the al	No	No		
MECHR23-3023	2023-12-06	Residential	2530 Traver Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPALCE FURNACE	No	No		
MECHR23-3022	2024-01-06	Residential	1225 Ferdon Rd	Mechanical (Residential)	General HVAC	INSTALL AIR HANDLER AND HEAT PUMP	INSTALL AIR HANDLER AND A HEAT PUMP	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3021	2025-02-25	Residential	229 Buena Vista Ave	Mechanical (Residential)	General HVAC	ADDING MINI SPLIT SYSTEM TO LIVING ROOM, HOMEOWNER TAKING CARE OF ELECTRICAL		Yes	No		Mini Split
MECHR23-3020	2023-12-06	Residential	705 Barclay Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-3019	2023-12-05	Residential	759 Skynob Dr	Mechanical (Residential)	General HVAC	Replace/install AC.	Replace/install AC.	No	No		
MECHR23-3018	2023-12-02	Residential	793 Skynob Dr	Mechanical (Residential)	General HVAC	REMOVE AND REPLACE FURNACE		No	No		
MECHR23-3015	2023-12-14	Residential	1222 Washtenaw Ct	Mechanical (Residential)	General HVAC	Replace furnace, install chimney liner	Replace furnace, install chimney liner	No	No		
MECHR23-3013	2024-05-30	Residential	2 Jay Lee Ct	Mechanical (Residential)	General HVAC	Retro fit. Installing a Mitsubishi heat pump and air handler.	Retro fit. Installing a Mitsubishi heat pump connected to a	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-3012	2023-12-05	Residential	707 Moore St 1	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND CHIMNEY LINER	REPLACE FURNACE AND CHIMNEY LINER	No	No		
MECHR23-3010	2024-06-19	Residential	2513 Avant Ave 107	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2006, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3009	2024-06-19	Residential	2513 Avant Ave 106	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-SUBPERMIT OF BLDG21-2005	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3008	2024-05-15	Residential	2531 Avant Ave 111	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2550, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3006	2024-05-15	Residential	2531 Avant Ave 110	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2549	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3005	2024-05-15	Residential	2531 Avant Ave 109	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2548, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3004	2024-05-15	Residential	2531 Avant Ave 108	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2547, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3003	2024-05-26	Residential	2531 Avant Ave 107	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2546	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3002	2024-05-15	Residential	2531 Avant Ave 106	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2527, INSTALL FURNAC AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3001	2024-05-26	Residential	2549 Avant Ave 105	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2562, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-3000	2024-05-26	Residential	2555 Avant Ave 106	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2570, install furnace ac ductwork exhaust fan	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2999	2023-12-06	Residential	1600 Morton Ave	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR23-2998	2024-08-11	Residential	3569 Burbank Dr	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER		No	No		
MECHR23-2997	2024-06-19	Residential	2513 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2004	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2996	2024-06-19	Residential	2513 Avant Ave 104	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2003, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2995	2024-06-19	Residential	2513 Avant Ave 103	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2002, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2994	2023-12-19	Residential	827 Asa Gray Dr 454	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR23-2993	2024-06-19	Residential	2513 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN - SUBPERMIT OF BLDG21-2001	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2992	2024-06-19	Residential	2513 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-SUBPERMIT BLDG21-1999	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2990	2024-05-15	Residential	2531 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUXTWORK EXHAUST FAN-BLDG21-2526	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2989	2024-05-15	Residential	2531 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUXTWORK EXHAUST FAN-BLDG21-2525	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2988	2024-05-15	Residential	2531 Avant Ave 103	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2524, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2987	2024-05-15	Residential	2531 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2523	INSTALL FURNACE AC DUXTWORK EXHAUST FAN	No	No		
MECHR23-2986	2024-04-07	Residential	2531 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2522	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2985	2024-04-07	Residential	2531 Avant Ave 112	Mechanical (Residential)	General HVAC	Sub permit of BLDG22-0144, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2984	2024-05-26	Residential	2549 Avant Ave 106	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2563, INSTALL FURNACE AC DUCTWORK EXHAUST FAN	INSTALL FURNACE AC DCUTWORK EXHAUST FAN	No	No		
MECHR23-2983	2024-05-26	Residential	2549 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2561	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2982	2023-12-16	Residential	1435 Hatcher Cres	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR23-2981	2024-05-26	Residential	2549 Avant Ave 102	Mechanical (Residential)	General HVAC	Sub permit of BLDG21-2559, INSTALL FURNACE AC DUCXTWORK EXHAUST FAN	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2980	2024-01-09	Residential	1134 Hutchins Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-2979	2024-05-26	Residential	2549 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN -BLDG21-2558	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2978	2024-05-26	Residential	2549 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2560	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2976	2024-05-26	Residential	2555 Avant Ave 105	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2569	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2975	2024-05-26	Residential	2555 Avant Ave 104	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2568	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2974	2024-05-26	Residential	2555 Avant Ave 103	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK EXHAUST FAN-BLDG21-2567	INSTALL FURNACE AC DUCTWORK EXHAUST FAN	No	No		
MECHR23-2973	2024-05-26	Residential	2555 Avant Ave 102	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FAN TO NEW CONSTRUCTION- BLDG21-2566	INSTALL FURNACE AC DUCTWORK AND EXHAUST FAN	No	No		
MECHR23-2972	2024-05-23	Residential	2555 Avant Ave 101	Mechanical (Residential)	General HVAC	INSTALL FURNACE AC DUCTWORK AND EXHAUST FAN TO NEW CONSTRUCTION- BLDG21-2565	INSTALL FURNACE AC DUCTWORK AND EXHAUST FAN	No	No		
MECHR23-2967	2024-01-17	Residential	1906 Ridge Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-2961	2023-11-30	Residential	1624 Argyle Cres	Mechanical (Residential)	General HVAC	replace furnace	REPLACE FURNACE	No	No		
MECHR23-2960	2023-12-21	Residential	1500 Westminster Pl	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR23-2951	2024-01-25	Residential	18 Haverhill Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2946	2023-12-05	Residential	1215 Chapel Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2943	2024-01-10	Residential	1324 White St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR23-2942	2024-01-24	Residential	2125 Foss Ct	Mechanical (Residential)	General HVAC	Install New Furnace, AC System, Humidifier, vent bath fan & dryer, alter ducts for basement finish		No	No		
MECHR23-2938	2024-01-23	Residential	2237 S Main St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2937	2024-01-17	Residential	2955 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2935	2024-01-17	Residential	3255 Dunwoodie Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-2934	2024-03-02	Residential	2110 Shadford Rd	Mechanical (Residential)	General HVAC	furnace and a/c and humidifier replacement		No	No		
MECHR23-2928	2023-11-30	Residential	1230 Saunders Cres	Mechanical (Residential)	General HVAC	Replace furnace and a/c		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2927	2024-08-03	Residential	605 Robin Rd	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace only	No	No		
MECHR23-2925	2024-02-18	Residential	3335 Fernwood Ave	Mechanical (Residential)	General HVAC	Replace 70k Carrier furnace & Chimney Liner	Replace 70k Carrier furnace and liner	No	No		
MECHR23-2919	2024-01-20	Residential	1705 Brian Ct	Mechanical (Residential)	General HVAC	Replace furnace, air conditioner, humidifier.	Replace furnace, air conditioner, humidifier.	No	No		
MECHR23-2914	2023-12-06	Residential	2411 Londonderry Rd	Mechanical (Residential)	General HVAC	*pay invoice* install furnace ac and hot water tank replacement	install furnace ac and hot water heater replacement	No	No		
MECHR23-2912	2024-03-14	Residential	3251 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2911	2024-03-29	Residential	3253 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2910	2024-03-22	Residential	3255 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2905	2025-08-19	Residential	2740 Barclay Way	Mechanical (Residential)	General HVAC	replace furnace, update venting on water tank		No	No		
MECHR23-2902	2023-11-28	Residential	3331 Creek Dr	Mechanical (Residential)	General HVAC	Furnace and A/C replacement	HVAC replacement	No	No		
MECHR23-2899	2023-11-28	Residential	3219 Dunwoodie Rd	Mechanical (Residential)	General HVAC	*hold for reconnect* Replacement of furnace, ac and coil		No	No		
MECHR23-2890	2023-11-23	Residential	3454 Chelsea Cir	Mechanical (Residential)	General HVAC	45K FURNACE REPLACEMENT	45K FURNACE REPLACEMENT	No	No		
MECHR23-2883	2023-12-08	Residential	1145 Pomona Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2879	2023-11-30	Residential	1107 Elder Blvd	Mechanical (Residential)	General HVAC	American Standard 80% eff gas furnace installed, replace existing		No	No		
MECHR23-2869	2024-02-26 15:55:43	Residential	1630 Leaird Dr	Mechanical (Residential)	General HVAC	REPLACING GAS FURNACE IN ATTIC		No	No		
MECHR23-2864	2024-05-19	Residential	2716 Cumberland Ave	Mechanical (Residential)	General HVAC	REPLACE EXISTING GAS FURNACE WITH A CARRIER 95% 60KBTU 1STG	REPLACE EXISTING GAS FURANCE WITH A CARRIER 95% 6	No	No		
MECHR23-2863	2023-12-06	Residential	2740 Packard Rd A23	Mechanical (Residential)	General HVAC	replace furnace and AC unit	replace Furnace and AC	No	No		
MECHR23-2852	2023-12-24	Residential	505 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2849	2024-02-07	Residential	870 Belfield Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2848	2023-12-08	Residential	2340 Georgetown Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2847	2024-02-08	Residential	2832 Barclay Way	Mechanical (Residential)	General HVAC	FURNACE, AC		No	No		
MECHR23-2846	2023-11-28	Residential	1400 W Liberty St	Mechanical (Residential)	General HVAC	Replace 2 Furnaces		No	No		
MECHR23-2843	2023-12-23	Residential	206 N Seventh St	Mechanical (Residential)	General HVAC	REPLACING GAS FURNACE		No	No		
MECHR23-2838	2023-12-22	Residential	300 Montgomery Ave	Mechanical (Residential)	General HVAC	INSTALL DUCTLESS MINISPLIT SYSTEM IN GARAGE ADDITION AND SPACE ABOVE. ONE OUTSIDE UNIT & TWO INDOOR HEADS		Yes	Yes		Mini Split
MECHR23-2836	2024-01-13	Residential	2110 Devonshire Rd	Mechanical (Residential)	General HVAC	Replace/install furnace, ac, and humidifier.	Replace/install furnace, ac, and humidifier.	No	No		
MECHR23-2833	2023-12-10	Residential	711 Catherine St	Mechanical (Residential)	General HVAC	`Installing two new 80,000 BTU furnace's with a AFUE rating of 96%`	furnace installation x2	No	No		
MECHR23-2832	2024-02-23	Residential	2510 Bedford Rd	Mechanical (Residential)	General HVAC	INSTALL MINISPLIT SYSTEM		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2830	2024-01-12	Residential	2657 Salisbury Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER SYSTEM. ALSO ADD MINI SPLIT TO GARAGE		Yes	No		Mini Split
MECHR23-2825	2024-02-13	Residential	315 Orchard Hills Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2824	2024-07-14	Residential	226 Wildwood Ave	Mechanical (Residential)	General HVAC	FURNACE FOR NEW ADDITION AND REPLACING EXISTING FURNACE	NEW FURNACE AND AIR CONDITIONER IN ADDITION AND	No	No		
MECHR23-2823	2023-12-22	Residential	437 Hamilton Pl	Mechanical (Residential)	General HVAC	replace furnace and a/c		No	No		
MECHR23-2822	2023-12-24	Residential	326 Beakes St	Mechanical (Residential)	General HVAC	add heat runs to new bedrooms rework duct work replace furnace add a/c vent 3 bath fans		No	No		
MECHR23-2820	2023-10-31	Residential	2313 Devonshire Rd	Mechanical (Residential)	General HVAC	install ductless mini split		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2811	2024-01-11	Residential	627 S Division St	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-2810	2023-11-30	Residential	2866 Provincial Dr	Mechanical (Residential)	General HVAC	Install 36K air handler, Class B venting, Replace 70K furnace, 2 ton A/C (existing)	`Install 36K air handler Class B venting Replace 70K furnac	No	No		
MECHR23-2807	2023-12-16	Residential	908 Edgewood Pl	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace.	No	No		
MECHR23-2806	2024-08-23	Residential	1846 Mershon Dr	Mechanical (Residential)	General HVAC	REPLACE EXISTING FURANCE AND AC		No	No		
MECHR23-2802	2024-01-09	Residential	2385 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR23-2800	2023-12-16	Residential	2451 Traver Blvd	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR23-2797	2023-11-09	Residential	17 Blain Ct	Mechanical (Residential)	General HVAC	replace furnace, AC and Hot Water Heater	replace Furnace, AC and Water Heater	No	No		
MECHR23-2796	2024-03-22	Residential	2277 Georgetown Blvd	Mechanical (Residential)	General HVAC	Installing a mini split with heat pump above the garage. This is new equipment and not a reconnect.		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2793	2024-04-05	Residential	1092 Heather Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2791	2024-03-10	Residential	3249 Brackley Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2786	2023-11-30	Residential	251 Sunset Rd	Mechanical (Residential)	General HVAC	FURNACE RECONNECT		No	No		
MECHR23-2783	2023-12-09	Residential	1910 Crestland Dr	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-2782	2024-01-20	Residential	1213 Van Dusen Dr	Mechanical (Residential)	General HVAC	Furnace and AC Changeout		No	No		
MECHR23-2774	2023-12-19	Residential	1215 Arborview Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER WITH HEAT PUMP & GAS WATER HEATER WITH GAS WATER HEATER		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2758	2024-06-29	Residential	533 Burwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-2757	2024-05-17	Residential	1504 Long Shore Dr	Mechanical (Residential)	General HVAC	Install 2- furnaces 2- a/c ductwork and vent bath fans, install gas lines.		No	No		
MECHR23-2756	2023-11-07	Residential	2305 Devonshire Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-2755	2023-11-17	Residential	1809 Hill St	Mechanical (Residential)	General HVAC	Replacing the third floor furnace and adding a new AC.	We are replacing existing furnace located on the 3rd floor c	No	No		
MECHR23-2752	2023-11-09	Residential	1414 Edgewood Ave	Mechanical (Residential)	General HVAC	Change out furnace and add a chimney liner		No	No		
MECHR23-2744	2023-11-21	Residential	3159 Falcon Ct	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-2742	2024-01-09	Residential	2905 Leslie Park Cir	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-2741	2024-01-18	Residential	1100 Mixtwood Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR23-2735	2023-12-19	Residential	1205 Bydding Rd	Mechanical (Residential)	General HVAC	Duct Distribution to Addition, Exhaust Venting, New Furnace and AC	Duct Distribution, Exhaust Venting, New Furnace and AC	No	No		
MECHR23-2726	2024-05-02	Residential	2340 Londonderry Rd	Mechanical (Residential)	General HVAC	replace existing furnace	replace existing furnace	No	No		
MECHR23-2722	2024-05-28 12:03:50	Residential	1707 Pontiac St	Mechanical (Residential)	General HVAC	Replacing the furnace and a/c, heat pump and duct modification		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2720	2024-01-10	Residential	1510 Shadford Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER		No	No		
MECHR23-2718	2023-11-14	Residential	2922 W Whittier Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2716	2023-12-06	Residential	3047 Stone School Rd	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-2715	2023-12-13	Residential	1202 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE IN ATTIC		No	No		
MECHR23-2705	2024-09-04 14:50:58	Residential	2270 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	HVAC NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2704	2024-09-07	Residential	2272 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	HVAC NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2703	2024-10-09	Residential	2274 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	HVAC NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2702	2024-08-03	Residential	2278 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC NEW CONSTRUCTION	HVAC NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2701	2024-06-22	Residential	2284 Greenway Trl	Mechanical (Residential)	General HVAC	HVAC FOR NEW HOME	HVAC NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2700	2024-08-03	Residential	2280 Greenway Trl	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION HOUSE	NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2699	2024-06-22	Residential	2292 Greenway Trl	Mechanical (Residential)	General HVAC	NEW HOUSE HVAC	NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2696	2024-03-12	Residential	490 Huron Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2695	2024-06-22	Residential	2290 Greenway Trl	Mechanical (Residential)	General HVAC	NEW HOUSE HVAC	NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2694	2024-06-22	Residential	2286 Greenway Trl	Mechanical (Residential)	General HVAC	NEW HOUSE HVAC	NEW CONSTRUCTION	Yes	Yes	Geothermal	Geothermal
MECHR23-2693	2023-11-14	Residential	1140 Heather Way	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-2692	2023-12-12	Residential	3455 Richard St	Mechanical (Residential)	General HVAC	Install New Furnace		No	No		
MECHR23-2691	2023-12-20	Residential	1605 Pontiac St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR23-2690	2023-12-06	Residential	2360 Parkwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C, Chimeny Liner		No	No		
MECHR23-2689	2023-11-23	Residential	1325 Pomona Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2686	2024-04-04	Residential	1027 Young Pl	Mechanical (Residential)	General HVAC	Replacing the a/c condenser		No	No		
MECHR23-2682	2024-02-10	Residential	2410 Londonderry Rd	Mechanical (Residential)	General HVAC	Install mini-split system rework radiators		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2680	2023-12-02	Residential	413 Soule Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2679	2023-11-09	Residential	2239 Glendaloch Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2678	2023-11-28	Residential	2305 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2677	2023-10-28	Residential	2220 Steeplechase Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2674	2024-08-09 08:59:36	Residential	3 Ridgemor Dr	Mechanical (Residential)	General HVAC	Sub permit of BLDG19-2390, Installation of new HVAC system which includes new duct work, furnace, and AC		No	No		
MECHR23-2673	2023-12-02	Residential	1535 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2661	2024-03-10	Residential	113 Ponds View Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-2660	2023-12-20	Residential	3 Eastbury Ct	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace	No	No		
MECHR23-2659	2023-12-08	Residential	921 Robin Rd	Mechanical (Residential)	General HVAC	part of addition, Install mini split		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2652	2024-02-18	Residential	2380 Placid Way	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2650	2023-10-28	Residential	2120 Crestland Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND AC	No	No		
MECHR23-2646	2024-06-06	Residential	2541 W Liberty St	Mechanical (Residential)	General HVAC	New construction HVAC: Furnace, ac, ductwork	New construction HVAC: furnace, ac, ductwork.	No	No		
MECHR23-2645	2024-06-06	Residential	2527 W Liberty St	Mechanical (Residential)	General HVAC	New construction HVAC : Furnace, ac, ductwork.	New construction HVAC. Furnace , ductwork, ac	No	No		
MECHR23-2644	2024-03-01 16:39:37	Residential	210 N Seventh St	Mechanical (Residential)	General HVAC	MISC HVAC REPAIRS		No	No		
MECHR23-2643	2024-03-21	Residential	3207 Hayes Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2642	2023-12-22	Residential	2015 Wiltshire Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2639	2023-12-16	Residential	2565 Platt Rd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR23-2638	2023-12-15	Residential	1430 Hatcher Cres	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HEAT PUMP AND HUMIDIFIER	REPLACE FURNACE, HEATPUMP AND HUMIDIFIER	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2637	2023-12-02	Residential	1436 Granada Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE		No	No		
MECHR23-2636	2024-03-22	Residential	2750 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	replace furnace /AC	replace furnace/AC	No	No		
MECHR23-2635	2024-05-07	Residential	1495 Morehead Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR23-2631	2023-10-26	Residential	2811 Verle Ave	Mechanical (Residential)	General HVAC	Replace furnace, air conditioning and hot water tank	Replace furnace, air conditioning and hot water tank	No	No		
MECHR23-2623	2023-12-08	Residential	1730 Linwood Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR23-2616	2023-12-19	Residential	2509 James St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER AND HUMIDIFIER		No	No		
MECHR23-2610	2023-12-05	Residential	2805 Yost Blvd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR23-2604	2023-11-15	Residential	2927 Sheffield Ct	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR23-2603	2023-11-15	Residential	116 E Hoover Ave	Mechanical (Residential)	General HVAC	Furnace replacement and existing water heater inspection/permit	Furnace replacement and existing water heater permit for (	No	No		
MECHR23-2602	2025-01-17	Residential	1751 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction hvac	new residential construction hvac	No	No		
MECHR23-2601	2024-10-15	Residential	1749 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction HVAC	new residential construction hvac	No	No		
MECHR23-2600	2024-01-06	Residential	2803 Beacon Hill St	Mechanical (Residential)	General HVAC	replace existing a/c	REPLACE EXISTING A/C	No	No		
MECHR23-2598	2023-12-02	Residential	2051 Norfolk Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR23-2597	2024-03-23	Residential	1607 Chandler Rd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM, GAS HWH REPLACEMENT		No	No		
MECHR23-2596	2023-11-09	Residential	4 Highland Ln	Mechanical (Residential)	General HVAC	Replace 2 furnaces		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2595	2024-08-01	Residential	1715 Franklin St	Mechanical (Residential)	General HVAC	`Install 80k furnace, duct system, 2.5 ton A/C, Humidifier, gas line to furnace, stove, and water tank on 1st floor On 2nd floor installing duct work, 3 ton air handler`	`1st floor installing 80k furnace, duct system, A/C, humidif	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2594	2023-12-12	Residential	2575 Antietam Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier/Chimney Liner	Replace Furnace/AC/Humidifier/Chimney Liner	No	No		
MECHR23-2591	2023-11-17	Residential	241 Highlake Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2589	2023-11-07	Residential	920 S Seventh St	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONING SYSTEM		No	No		
MECHR23-2587	2023-10-27	Residential	3025 Forest Creek Ct	Mechanical (Residential)	General HVAC	Furnace and A/C replacement		No	No		
MECHR23-2586	2023-12-24	Residential	505 Maple Ridge St	Mechanical (Residential)	General HVAC	replace furnace add a/c electrical by electo pop	replace furnace add a/c electric by electro pop	No	No		
MECHR23-2585	2023-10-25	Residential	672 Greenhills Dr	Mechanical (Residential)	General HVAC	Replacing the furnace.		No	No		
MECHR23-2584	2024-04-17	Residential	1382 Esch Ct	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR23-2583	2023-10-31	Residential	2338 Haisley Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2580	2023-12-13	Residential	723 Madison Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2579	2023-12-13	Residential	721 Madison Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2578	2023-12-08	Residential	312 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE (2) FURNACES AND (2) AC UNITS		No	No		
MECHR23-2575	2024-05-29	Residential	721 W Washington St	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2574	2023-10-28	Residential	2756 Glenbridge Ct	Mechanical (Residential)	General HVAC	Replace 70k Carrier furnace	Replace 70k furnace	No	No		
MECHR23-2570	2023-11-09	Residential	6 Trowbridge Ct	Mechanical (Residential)	General HVAC	FURNACE AND AC REPLACEMENT		No	No		
MECHR23-2563	2024-04-19	Residential	113 Hill St	Mechanical (Residential)	General HVAC	Furnace Replacement	Replace natural gas furnace	No	No		
MECHR23-2561	2024-02-07	Residential	2016 Seneca Ave	Mechanical (Residential)	General HVAC	kitchen remodel		No	No		
MECHR23-2559	2023-12-29	Residential	122 Gralake Ave	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AC SYSTEM		No	No		
MECHR23-2558	2023-12-02	Residential	1865 Arbordale St	Mechanical (Residential)	General HVAC	AC		No	No		
MECHR23-2557	2023-11-16	Residential	2139 Bredefield St	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-2554	2023-11-01	Residential	512 Hill St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE AND AC	No	No		
MECHR23-2552	2023-10-31	Residential	1306 Granger Ave	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR23-2551	2023-12-14	Residential	515 S Seventh St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE, AC AND CHIMNEY LINER	No	No		
MECHR23-2550	2024-02-11	Residential	3336 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2549	2024-02-07	Residential	3338 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2548	2024-02-23	Residential	3340 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2547	2024-06-11 12:54:08	Residential	10 Harvard Pl	Mechanical (Residential)	General HVAC	Install mini-split in garage		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2545	2024-08-09	Residential	715 Fountain St	Mechanical (Residential)	General HVAC	Install mini-split system vent kitchen exhaust, install erv		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2534	2023-12-13	Residential	667 Kuehnle Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2533	2023-12-02	Residential	1143 Arella Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2522	2023-11-14	Residential	2983 Verle Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2520	2023-11-21	Residential	1032 Bluestem Ln	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2519	2023-11-17	Residential	1455 Bardstown Trl	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2517	2023-10-18	Residential	1502 Green Rd	Mechanical (Residential)	General HVAC	Replace furnance	Replace Furnace	No	No		
MECHR23-2513	2023-10-14	Residential	2765 Tuebingen Pkwy	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2512	2023-11-04	Residential	747 Lans Way	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2511	2023-10-14	Residential	806 Amherst Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2510	2023-10-27	Residential	1530 Glen Leven Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2507	2023-10-12	Residential	1407 S State St 2	Mechanical (Residential)	General HVAC	REPLACE ROOM HEATER WITH HEAT PUMP		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2505	2025-02-28	Residential	2450 James St	Mechanical (Residential)	General HVAC	install minisplit system (electrician to pull electrical permit)		Yes	No		Mini Split
MECHR23-2504	2023-10-31	Residential	1316 Hutchins Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2503	2024-01-23	Residential	3044 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2502	2023-10-28	Residential	17 Westbury Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2501	2023-10-14	Residential	2347 Prairie St	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2494	2023-12-02	Residential	1507 Harbrooke Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2491	2025-01-17	Residential	1757 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2490	2025-01-17	Residential	1755 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2487	2023-10-17	Residential	2064 Greenview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND HUMIDIFIER	REPLACE FURNACE AND HUMIDIFIER	No	No		
MECHR23-2485	2023-10-24	Residential	1952 Cambridge Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2484	2023-10-28	Residential	1312 Ardmoor Ave	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE AND AIR CONDITIONER		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2482	2024-08-11	Residential	1731 Charlton Ave	Mechanical (Residential)	General HVAC	Installing a mini split; No reconnect/New Build Construct--Email attached		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2481	2025-01-17	Residential	1745 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2480	2025-01-17	Residential	1743 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2479	2024-02-23	Residential	2616 Fenwick Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2475	2023-10-14	Residential	843 Starwick Dr	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-2473	2023-09-28	Residential	819 W Washington St	Mechanical (Residential)	General HVAC	Furnace installation		No	No		
MECHR23-2472	2023-11-15	Residential	2645 Pittsfield Blvd	Mechanical (Residential)	General HVAC	`Replace furnace 80% 40,000 BTU Replace A/C 13.8 seer 2 ton Replace humidifier & air cleaner`		No	No		
MECHR23-2468	2023-10-24	Residential	3455 Wexford Ct	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR23-2466	2023-12-13	Residential	2050 Norfolk Ave	Mechanical (Residential)	General HVAC	INSTALL GEO AND 2 WATER HEATERS		Yes	Yes	Geothermal	Geothermal
MECHR23-2461	2023-12-14	Residential	159 Kingsbrook Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-2460	2023-12-16	Residential	3569 Frederick Dr	Mechanical (Residential)	General HVAC	a/c replacement		No	No		
MECHR23-2459	2024-01-10	Residential	1042 Greenhills Dr	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR23-2458	2024-01-04	Residential	2340 Yost Blvd	Mechanical (Residential)	General HVAC	replace existing furnace	replace existing furnace	No	No		
MECHR23-2457	2023-10-21	Residential	2034 Thaler Ave	Mechanical (Residential)	General HVAC	Replace Furnace		No	No		
MECHR23-2456	2023-10-24	Residential	2617 Meade Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-2455	2023-10-28	Residential	1161 Kay Pkwy	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2454	2023-10-14	Residential	1036 Bluestem Ln	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT		No	No		
MECHR23-2452	2023-10-11	Residential	2484 Parkwood Ave	Mechanical (Residential)	General HVAC	air cleaner, A/C	New A/C installation	No	No		
MECHR23-2448	2023-10-17	Residential	3447 Burbank Dr	Mechanical (Residential)	General HVAC	Replace existing Furnace and AC with new one		No	No		
MECHR23-2447	2024-05-17 16:13:20	Residential	6 Maple Village Ct	Mechanical (Residential)	General HVAC	NEW FURNACE, NEW AC PACKAGE, DUCT WORK, 4 BATHROOM FANS, GAS LINE PRESSURE TEST, 1 DRYER VENT		No	No		
MECHR23-2444	2024-01-21	Residential	730 Heather Way	Mechanical (Residential)	General HVAC	replace existing furnace and ac	REPLACE HVAC SYSTEM	No	No		
MECHR23-2440	2023-11-11	Residential	418 High St	Mechanical (Residential)	General HVAC	replace 2 furnaces and a/c	relace 2 furnaces and a/c s	No	No		
MECHR23-2439	2024-02-02	Residential	3334 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2428	2023-11-04	Residential	2821 Dexter Rd	Mechanical (Residential)	General HVAC	PERMIT FURNACE		No	No		
MECHR23-2426	2023-10-07	Residential	1705 Glastonbury Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2425	2024-03-15	Residential	1161 Wendy Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2414	2023-09-22	Residential	2010 Winewood Ave	Mechanical (Residential)	General HVAC	AC AND FURNACE REPLACEMENT		No	No		
MECHR23-2413	2024-08-25	Residential	1739 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction HVAC	new residential construction hvac	No	No		
MECHR23-2412	2024-08-25	Residential	1737 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2407	2024-03-15	Residential	1308 Wright St	Mechanical (Residential)	General HVAC	REPLACE FURNACE WITH FAN COIL AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2406	2023-10-27	Residential	2110 Alice St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC WITH AIR HANDLER HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2405	2023-11-23	Residential	1107 Olivia Ave	Mechanical (Residential)	General HVAC	install mitsubishi replacement		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2404	2023-10-12	Residential	2131 Winewood Ave	Mechanical (Residential)	General HVAC	Remove and Replace furnace and A/C		No	No		
MECHR23-2403	2023-11-16	Residential	200 Chapin St	Mechanical (Residential)	General HVAC	Remove and replace furnace, A/C and water heater		No	No		
MECHR23-2400	2023-10-12	Residential	1286 Harpst St	Mechanical (Residential)	General HVAC	INSTALL HEAT PUMP MINI-SPLIT THAT HEATS AND COOLS	INSTALL MINI-SPLIT HEAT PUMP THAT HEATS AND COOLS	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2397	2023-10-12	Residential	1292 Harpst St	Mechanical (Residential)	General HVAC	INSTALL ALL NEW MINI-SPLIT HEAT PUMP SYSTEM AT 1292 HARPST	install mini-split heat pump system for home. heats and cools. Two indoor wall mounts.	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2393	2024-03-05	Residential	2021 Washtenaw Ave	Mechanical (Residential)	General HVAC	replace existing ac	Replace existing ac	No	No		
MECHR23-2392	2024-03-02	Residential	612 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2386	2024-03-10	Residential	2936 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2385	2023-11-16	Residential	1534 Saunders Cres	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2384	2023-10-20	Residential	1595 Woodland Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2383	2024-02-02	Residential	3332 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK, CHIMNEY LINER VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2379	2024-03-06	Residential	584 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2378	2024-03-15	Residential	604 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2377	2024-03-17	Residential	620 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2376	2024-03-07	Residential	528 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2375	2024-03-07	Residential	564 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2374	2024-02-25	Residential	520 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2373	2024-03-12	Residential	608 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2371	2024-03-10	Residential	2934 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER , HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2370	2024-03-10	Residential	2932 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2369	2024-03-10	Residential	2930 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, humidifier AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2368	2024-02-21	Residential	2928 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2367	2024-02-23	Residential	2926 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-2359	2023-09-22	Residential	750 Barclay Ct	Mechanical (Residential)	General HVAC	REPLACE AC	REPLACE AC	No	No		
MECHR23-2358	2024-01-24	Residential	3103 Oakwood St	Mechanical (Residential)	General HVAC	replace furnace, AC, HWT	replace Furnace / AC / HWT	No	No		
MECHR23-2350	2024-01-13	Residential	2730 S Knightsbridge Cir	Mechanical (Residential)	General HVAC	replace existing a/c	replace existing a/c	No	No		
MECHR23-2348	2023-12-16	Residential	312 Pauline Blvd	Mechanical (Residential)	General HVAC	INSTALLING MINI SPLIT SYSTEM	INSTALL MINI SPLIT SYSTEM	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2336	2023-10-12	Residential	2327 Easy St	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR23-2321	2024-08-25	Residential	1709 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2320	2024-08-25	Residential	1707 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2313	2023-11-04	Residential	1507 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE AC AND FURNACE	No	No		
MECHR23-2312	2023-12-07	Residential	720 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACING AC SYSTEM		No	No		
MECHR23-2287	2023-11-01	Residential	2839 Barclay Way	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER		No	No		
MECHR23-2283	2024-08-26 14:59:08	Residential	809 Berkshire Rd	Mechanical (Residential)	General HVAC	2 Furnace's, 2 A/C's, Duct work and gas line.		No	No		
MECHR23-2282	2023-10-05	Residential	2100 Ardenne Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2281	2024-04-19	Residential	518 Miller Ave 2	Mechanical (Residential)	General HVAC	Hvac and gas pipe	HVAC and gas pipe	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2280	2024-04-18	Residential	518 Miller Ave 1	Mechanical (Residential)	General HVAC	HVAC and gas pipe	HVAC and gas pipe	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2279	2024-01-27	Residential	2586 Powell Ave	Mechanical (Residential)	General HVAC	Primary Suite Addition over a new Garage.	Furnace, a/c and humidifier change out. Rework and run d	No	No		
MECHR23-2274	2023-12-21	Residential	164 Kingsbrook Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-2273	2023-11-09	Residential	1300 Birk Ave	Mechanical (Residential)	General HVAC	replace existing a/c		No	No		
MECHR23-2271	2023-12-29	Residential	3533 Burbank Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2269	2024-01-13	Residential	3201 Kilburn Park Cir	Mechanical (Residential)	General HVAC	a/c replacement	a/c replacement	No	No		
MECHR23-2266	2024-06-13	Residential	112 E Hoover Ave	Mechanical (Residential)	General HVAC	install 1 outdoor heat pump and 5 indoor high wall air handlers	1 outdoor heat pump with 5 indoor head air handlers	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2265	2024-06-13	Residential	110 E Hoover Ave	Mechanical (Residential)	General HVAC	install 1 outdoor heat pump with 5 indoor highwall air handler units	install 1 outdoor heat pump unit with 5 indoor highwall air h	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2255	2024-02-14 13:45:33	Residential	552 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS REGISTER AND GRILLS`		No	No		
MECHR23-2250	2023-09-30	Residential	2760 Holyoke Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2249	2023-09-28	Residential	2669 Page Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2247	2023-09-30	Residential	562 Galen Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE/ AC/GAS WH WITH GAS WH		No	No		
MECHR23-2236	2023-10-13	Residential	518 N Division St	Mechanical (Residential)	General HVAC	Replace gas furnace	replace gas furnace	No	No		
MECHR23-2233	2024-08-25	Residential	1733 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction hvac	new residential construction hvac	No	No		
MECHR23-2232	2024-08-25	Residential	1731 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2230	2024-02-18	Residential	3975 Waldenwood Dr	Mechanical (Residential)	General HVAC	FURNACE & AC RECONNECT		No	No		
MECHR23-2229	2023-11-09	Residential	1520 Cambridge Rd	Mechanical (Residential)	General HVAC	REPLACE FAN COIL AND AC	REPLACE AC AND FANCOIL	No	No		
MECHR23-2225	2023-10-26	Residential	2756 Kimberley Rd	Mechanical (Residential)	General HVAC	Install furnace, A/C, ductwork - remodel	Install furnace, A/C, ductwork	No	No		
MECHR23-2223	2024-03-31	Residential	1759 Arlington Blvd	Mechanical (Residential)	General HVAC	remodel HVAC work		No	No		
MECHR23-2214	2023-10-03	Residential	2735 Provincial Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2213	2023-10-03	Residential	2727 Winthrop Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2212	2025-07-05	Residential	602 Ridgewood Ct	Mechanical (Residential)	General HVAC	AC replacement		No	No		
MECHR23-2211	2023-09-16	Residential	3078 Barclay Way	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-2210	2023-12-30	Residential	1508 Montclair Pl	Mechanical (Residential)	General HVAC	REPLACING AIR CONDITIONING SYSTEM WITH HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2209	2023-12-07	Residential	1062 Scott Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE (2), AC (2), AND HUMIDIFIER	INSTALL 2 FURNACES, 2 AC AND 1 HUMIDIFIER	No	No		
MECHR23-2208	2024-01-06	Residential	813 Hillcrest Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-2207	2023-10-27	Residential	814 Hewett Dr	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE, AIR CONDITIONER, AND HUMIDFIIER		No	No		
MECHR23-2199	2023-11-30	Residential	2866 Provincial Dr	Mechanical (Residential)	General HVAC	`Sandhu, V. 2866 Provincial`	3 ton Carrier air handler	No	No		
MECHR23-2198	2024-08-25	Residential	1715 Hideaway Ln	Mechanical (Residential)	General HVAC	new residential construction hvac	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2197	2024-08-25	Residential	1713 Hideaway Ln	Mechanical (Residential)	General HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	NEW RESIDENTIAL CONSTRUCTION HVAC	No	No		
MECHR23-2194	2023-11-15	Residential	2825 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install 2 ton Carrier air conditioner (rear)	Install 2 ton Carrier air conditioner (rear)	No	No		
MECHR23-2193	2023-10-04	Residential	3247 Dunwoodie Rd	Mechanical (Residential)	General HVAC	replace existing heating and cooling system	REPLACE EXISITING HVAC SYSYEM	No	No		
MECHR23-2175	2023-11-28	Residential	1535 Patricia Ave	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR23-2152	2023-12-03	Residential	2109 Copley Ave	Mechanical (Residential)	General HVAC	*Electrical Reconnect Required* install minisplit system	install minisplit system	Yes	No		Mini Split
MECHR23-2151	2023-09-27	Residential	1015 E University Ave	Mechanical (Residential)	General HVAC	replace AC unit	replace AC unit	No	No		
MECHR23-2149	2023-09-29	Residential	2397 Jeanne St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-2147	2024-02-14	Residential	1102 Baldwin Ave	Mechanical (Residential)	General HVAC	replace Air handler and Condenser		No	No		
MECHR23-2145	2024-06-14	Residential	15 W Eden Ct	Mechanical (Residential)	General HVAC	Goodman 15 SEER heat pump	cooling system	Yes	No		Unspecified
MECHR23-2144	2025-08-28	Residential	4 Metroview Ct	Mechanical (Residential)	General HVAC	REPLACE AC	new heat pump	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-2141	2023-12-16	Residential	1729 Dexter Ave	Mechanical (Residential)	General HVAC	Replace/install ac.	Replace/install ac.	No	No		
MECHR23-2138	2024-06-06	Residential	229 W Summit St	Mechanical (Residential)	General HVAC	Furnish and install HVAC in new residential construction.	Furnish and install HVAC	No	No		
MECHR23-2137	2023-10-11	Residential	1925 Boulder Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER, AND WATER HEATER		No	No		
MECHR23-2136	2023-10-18	Residential	2025 Hill St	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AIR CONDITIIONER SYSTEM		No	No		
MECHR23-2133	2023-09-14	Residential	175 Briarcrest Dr 104	Mechanical (Residential)	General HVAC	PERMIT FURNACE INSTALLATION		No	No		
MECHR23-2132	2024-01-09	Residential	3029 Forest Creek Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2126	2023-11-23	Residential	3465 Narrow Gauge Way	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2125	2023-11-08	Residential	600 Elmcrest Dr	Mechanical (Residential)	General HVAC	REPLACEMENT AIR CONDITIONER		No	No		
MECHR23-2122	2023-10-05	Residential	2421 Medford Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-2121	2023-12-02	Residential	1212 Wright St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, REPLACE GAS WATER HEATER WITH ELECTRIC		No	No		
MECHR23-2115	2023-10-13	Residential	1734 S Maple Rd	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2108	2023-09-27	Residential	819 Dewey Ave	Mechanical (Residential)	General HVAC	replace AC unit	replacing AC unit	No	No		
MECHR23-2105	2023-08-29	Residential	506 Snyder Ave	Mechanical (Residential)	General HVAC	Mini-Split. Electrical completed with 2005 construction.		Yes			Mini Split
MECHR23-2104	2024-04-13	Residential	1184 Wendy Rd	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-2102	2023-10-03	Residential	311 Berkley Ave	Mechanical (Residential)	General HVAC	FURNACE	FURNACE	No	No		
MECHR23-2100	2023-11-25	Residential	513 Long Shore Dr A	Mechanical (Residential)	General HVAC	`Replace 60k Amana furnace Replace 2 ton Amana A/C (existing (side)`	`Replace 60k Amana furnaceReplace 2 ton Amana A/C (ex	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-2099	2023-11-23	Residential	516 Sunset Rd	Mechanical (Residential)	General HVAC	`Remodel. HVAC Bathroom: Rework bathroom wall register to a toe kick register under the new cabinet. Provide, Install and vent a Panasonic bath fan HVAC Art Room: Rework a wall heat from existing wall into a toe kick register located in new cabinetry. HVAC Laundry Closet: Install a dryer vent for a stackable electric dryer in the laundry closet. HVAC Basement: Rework a 7" supply run to accommodate new basement structural support`	`HVAC Bathroom: Rework bathroom wall register to a toe k	No	No		
MECHR23-2098	2023-10-26	Residential	908 Hutchins Ave	Mechanical (Residential)	General HVAC	Install 2 head mini-split system *see partial fee paid on MECHC23-0918*		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2097	2023-09-20	Residential	814 Hiscock St	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND HUMIDIFIER	REPLACE FURNACE, AC AND HUMIDIFIER	No	No		
MECHR23-2095	2023-09-28	Residential	431 Cross St	Mechanical (Residential)	General HVAC	Replace existing Condenser & Coil	Replace condenser and coil	No	No		
MECHR23-2093	2024-03-22	Residential	400 Arbana Dr	Mechanical (Residential)	General HVAC	kitchen remodeling		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-2092	2024-01-19	Residential	712 Hill St	Mechanical (Residential)	General HVAC	Installing new furnace and Ac package and new ductwork	Installing new furnace,ac and new ductwork	No	No		
MECHR23-2090	2023-10-18	Residential	114 W Oakbrook Dr	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-2083	2023-11-30	Residential	1704 Hill St	Mechanical (Residential)	General HVAC	**SEE MECHR23-1137 FOR FEES PAID** Complete hvac system including gas pipe and venting of bath fans		No	No		
MECHR23-2077	2024-01-30	Residential	1415 Normandy Rd	Mechanical (Residential)	General HVAC	`New Furnace, AC, Water Heater, Ducting to Addition, and Exhaust`	New Furnace, AC, Water Heater, Ducting to Addition, Bath	No	No		
MECHR23-2076	2024-01-20	Residential	916 Sunnyside Blvd	Mechanical (Residential)	General HVAC	hvac for remodel	HVAc	No	No		
MECHR23-2074	2023-09-20	Residential	911 Greenwood Ave	Mechanical (Residential)	General HVAC	Adding new Ac and power vent water heater	`Adding new ac unit Power vent water heater Bathroom ext	No	No		
MECHR23-2069	2023-09-13	Residential	904 Dewey Ave	Mechanical (Residential)	General HVAC	Residential HVAC for new addition. Furnace, AC, Gas Line bath fans.	Adding HVAC to addition.	No	No		
MECHR23-2064	2023-11-03	Residential	2025 Rugby Ct	Mechanical (Residential)	General HVAC	Replace furnace and AC	Replace existing furnace and AC	No	No		
MECHR23-2059	2023-09-26	Residential	2378 Hickory Point Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2058	2024-08-25	Residential	1727 Hideaway Ln	Mechanical (Residential)	General HVAC	New Residential Construction HVAC		No	No		
MECHR23-2056	2024-08-25	Residential	1725 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC		No	No		
MECHR23-2052	2023-10-03	Residential	515 Barton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2050	2023-10-27	Residential	814 Hewett Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AC UPSTAIRS		No	No		
MECHR23-2049	2023-10-27	Residential	2143 Newport Rd	Mechanical (Residential)	General HVAC	install mitsubishi intelliheat system		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-2045	2023-10-03	Residential	3620 Ca Canny	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONING SYSTEM		No	No		
MECHR23-2037	2023-09-16	Residential	1788 Miller Ave	Mechanical (Residential)	General HVAC	Replace furnace		No	No		
MECHR23-2026	2023-12-28	Residential	315 Mulholland Ave	Mechanical (Residential)	General HVAC	New furnace, A/C unit, duct work and gas line to (1) furnace		No	No		
MECHR23-2024	2023-09-07	Residential	1681 Fulmer St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-2020	2023-09-20	Residential	2530 Powell Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2018	2023-09-28	Residential	322 Crest Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-2017	2023-09-19	Residential	3131 Birchwood Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER SYSTEM		No	No		
MECHR23-2012	2023-09-21	Residential	3214 Williamsburg Dr	Mechanical (Residential)	General HVAC	ADD AC TO EXISTING FURNACE		No	No		
MECHR23-2011	2023-10-05	Residential	3268 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-2009	2023-09-12	Residential	2233 Medford Rd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-2008	2023-09-23	Residential	3396 Tacoma Cir	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-2002	2024-08-13	Residential	1721 Hideaway Ln	Mechanical (Residential)	General HVAC	New Residential Construction HVAC	New Residential Construction HVAC	No	No		
MECHR23-2001	2023-09-12	Residential	625 S First St	Mechanical (Residential)	General HVAC	Water Heater	Replace ac and water heater	No	No		
MECHR23-2000	2024-08-13	Residential	1719 Hideaway Ln	Mechanical (Residential)	General HVAC	New residential construction HVAC	New residential construction HVAC	No	No		
MECHR23-1990	2024-05-24	Residential	624 Spring St	Mechanical (Residential)	General HVAC	New Duplex House	2 condensers - 10 dryer vents furnace venting	No	No		
MECHR23-1987	2023-09-07	Residential	827 Asa Gray Dr 456	Mechanical (Residential)	General HVAC	Replacing the furnace		No	No		
MECHR23-1980	2023-10-03	Residential	708 Gott St	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank, AC *see fees paid on MECHC23-0880*	Replace furnace and hot water tank.	No	No		
MECHR23-1978	2023-08-31	Residential	2940 Barclay Way	Mechanical (Residential)	General HVAC	Replace air conditioner.	Replace air conditioner.	No	No		
MECHR23-1970	2024-02-13	Residential	839 W Huron St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1968	2023-11-21	Residential	1780 Fulmer St	Mechanical (Residential)	General HVAC	AC Replacement	Replace a/c	No	No		
MECHR23-1966	2023-12-06	Residential	560 Concord Pines Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURANCE, AIR CONDITIONSER, BATH FANS, DRYER VENT, HOOD VENT, HUMIDIFIER	NEW CONSTRUCTION: DUCTWORK, FURANCE, AIR COND	No	No		
MECHR23-1965	2024-01-06	Residential	576 Concord Pines Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURANCE, AIR CONDITIONER, BATH FANS, DRYER VENT, HUMIDIFIER AND HOOD VENT. THIS PERMIT WILL ALSO INCLUDE A FINISHED BASEMENT	NEW CONSTRUCTION: DUCTWORK, FURANCE, AIR, DRYE	No	No		
MECHR23-1964	2024-03-24	Residential	1568 Kensington Dr	Mechanical (Residential)	General HVAC	Install mini-spit system for new remodel		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1960	2023-09-12	Residential	808 E Ann St	Mechanical (Residential)	General HVAC	Remove and replace both furnaces; Remove and replace water heater; Install 2 A/C units	Installing 2 condensers	No	No		
MECHR23-1947	2023-08-24	Residential	3017 Barclay Way	Mechanical (Residential)	General HVAC	Replacing 2 ton 14 seer Comfortmaker Condenser and Coil	Replacement of Condenser and Coil	No	No		
MECHR23-1936	2024-01-23	Residential	2144 Greenview Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1935	2023-09-20	Residential	714 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1930	2023-09-22	Residential	806 Sylvan Ave	Mechanical (Residential)	General HVAC	`hvac for remodel BLDGR23-1081`	remoodel work they have a building permit BLDGR23-1081	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1929	2023-09-21	Residential	700 Barton Dr	Mechanical (Residential)	General HVAC	mitsubishi 2 zone garage		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1924	2023-10-03	Residential	1312 Cambridge Rd	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR23-1922	2023-09-06	Residential	2859 Leslie Park Cir	Mechanical (Residential)	General HVAC	Replace 4 ton air conditioner (existing-rear)	Replace 4 ton A/C (existing) rear	No	No		
MECHR23-1921	2023-09-08	Residential	2786 Maitland Dr	Mechanical (Residential)	General HVAC	`Replace 80k Carrier furnace Replace 3 ton Carrier air conditioner (existing-rear)`	Replace furnace and air conditioner (existing-rear)	No	No		
MECHR23-1918	2023-12-12	Residential	1047 Martin Pl	Mechanical (Residential)	General HVAC	REPLACE FURNACE, HUMIDIFIER AND HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1917	2023-09-01	Residential	719 Skynob Dr	Mechanical (Residential)	General HVAC	Replace/install furnace.	Replace/install furnace.	No	No		
MECHR23-1916	2023-12-08	Residential	2220 Yorktown Dr	Mechanical (Residential)	General HVAC	replaceAC	replace AC	No	No		
MECHR23-1911	2023-11-15	Residential	1009 Gott St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND WATER HEATER		No	No		
MECHR23-1909	2024-11-22	Residential	1505 Arlington Blvd	Mechanical (Residential)	General HVAC	FURNACE AND AC REPLACEMENT	FURNACE AND AC REPLACEMENT	No	No		
MECHR23-1907	2023-08-26	Residential	204 N Seventh St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR23-1904	2023-09-14	Residential	2416 Pittsfield Blvd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1903	2023-09-19	Residential	2635 Glenbrook Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1902	2023-08-08	Residential	2638 Fenwick Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1900	2023-09-19	Residential	1406 Maywood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNAC AND AC	REPLACE FURNACE AND AC	No	No		
MECHR23-1898	2023-09-12	Residential	2619 Traver Blvd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1895	2023-09-06	Residential	2741 Valley Dr	Mechanical (Residential)	General HVAC	Replace air conditioning	Replace air conditioning	No	No		
MECHR23-1894	2023-10-17	Residential	2605 Towner Blvd	Mechanical (Residential)	General HVAC	Replace furnace and hot water tank	Replace furnace and hot water tank.	No	No		
MECHR23-1891	2023-09-28	Residential	3145 Village Cir S	Mechanical (Residential)	General HVAC	Furnace replacement	Furnace replacement	No	No		
MECHR23-1884	2023-09-12	Residential	2144 Spruceway Ln	Mechanical (Residential)	General HVAC	replace existing furnace and a/c	98% Efficiency, 80k BTU furnace & 3 ton condenser w/ cas	No	No		
MECHR23-1881	2024-02-23	Residential	2053 Champagne Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1878	2023-11-10	Residential	839 Scio Church Rd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1877	2023-11-18	Residential	581 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1876	2023-10-14	Residential	2098 Cloverly Ln	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1875	2023-12-02	Residential	2001 Washtenaw Ave	Mechanical (Residential)	General HVAC	REPLACE STEAM BOILER		No	No		
MECHR23-1874	2023-09-20	Residential	2724 Winter Garden Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE/ AC/ WH		No	No		
MECHR23-1873	2023-11-10	Residential	222 Virginia Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1872	2023-11-15	Residential	624 Third St	Mechanical (Residential)	General HVAC	replace ac		No	No		
MECHR23-1871	2024-05-08	Residential	3995 Penberton Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1866	2023-08-23	Residential	1124 Arella Blvd	Mechanical (Residential)	General HVAC	Install of 70,000 BTU 80% Comfortmaker Furnace	Install of 70,000 BTU 80% Furnace	No	No		
MECHR23-1865	2023-10-12	Residential	745 Dellwood Dr	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR23-1864	2023-08-26	Residential	305 Burr Oak Dr	Mechanical (Residential)	General HVAC	replace A/C	Caldwell	No	No		
MECHR23-1858	2023-08-23	Residential	515 Cherry St	Mechanical (Residential)	General HVAC	Replace furnace, a/c, water heater		No	No		
MECHR23-1856	2023-08-17	Residential	1443 Jewett Ave	Mechanical (Residential)	General HVAC	replace 2 furnaces install chimney liner	replace 2 furnaces install chimney liner	No	No		
MECHR23-1852	2023-08-12	Residential	2323 Medford Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND CHIMNEY LINER	REPLACE FURNACE AC AND CHIMNEY LINER	No	No		
MECHR23-1850	2023-09-15	Residential	925 Bruce St	Mechanical (Residential)	General HVAC	replace a/c and furnace	replace a/c, furnace, and humidifier	No	No		
MECHR23-1849	2023-08-30	Residential	309 E Madison St	Mechanical (Residential)	General HVAC	Remodel and addition to an existing residence.	Remove and replacing boiler to forced air system, adding d	No	No		
MECHR23-1848	2023-10-12	Residential	1801 Maryfield Dr	Mechanical (Residential)	General HVAC	replace Furnace and AC	replace Furnace and AC	No	No		
MECHR23-1846	2023-09-24	Residential	1435 Catalina Dr	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-1844	2023-10-17	Residential	2831 Canterbury Rd	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-1840	2023-12-09	Residential	3612 E Huron River Dr	Mechanical (Residential)	General HVAC	`2 mini split heads 1 shared compressor gas pipe new cooktop new range hood installation`	`Install 2 new mini split heads with 1 shared compressor gas pipe new cooktop vent new range hood`	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1836	2023-08-11	Residential	508 Miller Ave	Mechanical (Residential)	General HVAC	New furnace install	installed new furnace	No	No		
MECHR23-1834	2023-09-26	Residential	2331 Parkwood Ave	Mechanical (Residential)	General HVAC	REPLACEMENT AC		No	No		
MECHR23-1832	2023-09-08	Residential	3240 Monument	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1831	2023-10-03	Residential	480 Riverview Dr	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AC SYSTEM		No	No		
MECHR23-1830	2023-08-15	Residential	3148 Cherry Tree Ln	Mechanical (Residential)	General HVAC	furnace replacement		No	No		
MECHR23-1823	2023-10-10	Residential	119 Fairview Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1822	2023-12-16	Residential	3324 E Dobson Pl	Mechanical (Residential)	General HVAC	`DAIKIN SUN PORCH AREA 1 RXL12QMVJU9A 18 SEER SINGLE ZONE 1 FTX12NMVJUA 1 TON INDOOR 40' LINESET 50 WIRE HARNESS WALL BRACKET SURGE PROTECTOR DRAIN PAN HEATER NO 220 TO CONDENSER`		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_heat_pump	applicant_specified_heat_pump_yn	applicant_specified_heat_pump_type	determined_heat_pump_type
MECHR23-1820	2023-09-07	Residential	1603 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE, AC AND CHIMNEY LINER	No	No		
MECHR23-1818	2024-01-23	Residential	411 Fountain St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC SYSTEM		No	No		
MECHR23-1817	2023-10-26	Residential	1000 Vesper Rd	Mechanical (Residential)	General HVAC	Replace Furnace	Replace Furnace	No	No		
MECHR23-1815	2024-01-13	Residential	2461 Pinecrest Ave	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1808	2023-12-02	Residential	110 Fairview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-1806	2023-08-30	Residential	2121 Pauline Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE/ AC/ WH		No	No		
MECHR23-1803	2023-08-09	Residential	2321 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1800	2023-08-16	Residential	1350 Emily Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1798	2023-10-28	Residential	3076 Rumsey Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1796	2023-08-05	Residential	1718 Waverly Rd	Mechanical (Residential)	General HVAC	REPLACE EXISTING FURNACE & A/C SYSTEM	SUPPLY & INSTALL AMANA AMVM970603BN FURNACE, AS	No	No		
MECHR23-1795	2023-08-29	Residential	1105 White St	Mechanical (Residential)	General HVAC	replace Furnace and AC	replace furnace and AC	No	No		
MECHR23-1793	2023-10-18	Residential	3095 Belvidere St	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-1792	2023-08-18	Residential	2965 Hickory Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE	REPLACE FURNACE	No	No		
MECHR23-1791	2023-12-12	Residential	1319 Wells St	Mechanical (Residential)	General HVAC	`Mini Split Install Bath Fan Exhaust Kitchen Exhaust`	New Construction Tiny House	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1788	2023-10-17	Residential	120 Highlake Ave	Mechanical (Residential)	General HVAC	REPLACE AC SYSTEM		No	No		
MECHR23-1785	2023-10-31	Residential	1030 Duncan St	Mechanical (Residential)	General HVAC	`Replace furnace and A/C  Rock electrical will pull the wiring permit for the A/C`		No	No		
MECHR23-1783	2023-12-28	Residential	703 Miner St	Mechanical (Residential)	General HVAC	Replace/install ac and furnace.	Replace/install ac and furnace with ductwork.	No	No		
MECHR23-1782	2023-09-01	Residential	1809 Packard St	Mechanical (Residential)	General HVAC	**SEE MECHR23-1863 FOR BOILER** Replace hot water tank	Replace boiler and hot water tank.	No	No		
MECHR23-1780	2023-09-27	Residential	650 Peninsula Ct	Mechanical (Residential)	General HVAC	Replace/install AC.	Replace/install ac.	No	No		
MECHR23-1777	2024-06-11	Residential	304 S Revena Blvd	Mechanical (Residential)	General HVAC	nstall mini-split system in garage, Vent bath fan		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1773	2024-01-20	Residential	117 Longman Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1769	2023-08-12	Residential	2839 Whitewood St	Mechanical (Residential)	General HVAC	chimney liner, furnace and A/C		No	No		
MECHR23-1768	2023-08-31	Residential	335 Pinewood St	Mechanical (Residential)	General HVAC	replace existing furnace, condenser, & gas water heater		No	No		
MECHR23-1767	2023-10-20	Residential	3540 Windemere Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-1766	2023-09-15	Residential	3636 Frederick Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1765	2023-09-19	Residential	3204 Alpine Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1764	2023-08-22	Residential	3810 Windemere Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1763	2023-08-31	Residential	1005 Granger Ave	Mechanical (Residential)	General HVAC	Install 48k minisplit; replace standard HWH to tankless	Install minisplit	Yes	No		Mini Split
MECHR23-1762	2023-08-26	Residential	818 Third St	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1761	2023-09-29	Residential	2539 Bunker Hill Rd	Mechanical (Residential)	General HVAC	Replace 3 ton a/c (existing)	Replace 3 ton A/C (existing)	No	No		
MECHR23-1759	2023-11-02	Residential	452 Skydale Dr	Mechanical (Residential)	General HVAC	install central air ,humidifier,change duct to give more height on supply,vent 1 bathroom	install air conditioning , humidifier,replace supply duct,ver	No	No		
MECHR23-1758	2023-11-04	Residential	2632 Fenwick Ct	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-1751	2023-09-06	Residential	2026 Winsted Blvd	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE		No	No		
MECHR23-1750	2023-10-28	Residential	412 Westwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-1742	2023-08-26	Residential	2317 Pittsfield Blvd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1740	2023-09-15	Residential	2735 Lakehurst Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE/ AC/ GAS WH		No	No		
MECHR23-1739	2023-08-24	Residential	1726 Dexter Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND INSTALL NEW AC		No	No		
MECHR23-1738	2023-10-26	Residential	830 Redeemer Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1731	2023-10-10	Residential	1918 Upland Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1730	2024-02-08	Residential	3472 Ashburnam Rd	Mechanical (Residential)	General HVAC	AC REPLACEMENT, FURNACE REPLACEMENT	AC UNIT REPLACEMENT	No	No		
MECHR23-1729	2023-08-03	Residential	1398 Wolverhampton Ln	Mechanical (Residential)	General HVAC	Replace furnace and air conditioner.		No	No		
MECHR23-1728	2023-10-07	Residential	1433 Glastonbury Rd	Mechanical (Residential)	General HVAC	replace existing furnace & condenser	`100,000 btu / 96% efficiency forced air furnace3.5 ton / 1	No	No		
MECHR23-1726	2023-09-02	Residential	3367 Tacoma Cir	Mechanical (Residential)	General HVAC	replace existing furnace and a/c	`100,000 btu furnace4 ton / 15.2 SEER condenser`	No	No		
MECHR23-1725	2024-01-17	Residential	3730 Burns Ct	Mechanical (Residential)	General HVAC	Replace existing condensing unit	Amana ASXH3N6010 5 ton, 14 SEER, Condenser	No	No		
MECHR23-1724	2023-08-18	Residential	814 Dewey Ave	Mechanical (Residential)	General HVAC	replace existing condenser	Amana ASXH3N3010 2.5 TON, 13.4 SEER CONDENSER	No	No		
MECHR23-1720	2023-12-07	Residential	3356 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND	No	No		
MECHR23-1719	2023-12-07	Residential	3358 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND	No	No		
MECHR23-1718	2023-12-07	Residential	3360 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1717	2023-12-21	Residential	3362 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND	No	No		
MECHR23-1716	2023-12-21	Residential	3364 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND	No	No		
MECHR23-1714	2023-10-10	Residential	1785 Northbrook Dr	Mechanical (Residential)	General HVAC	furnace installation		No	No		
MECHR23-1713	2023-10-10	Residential	169 Barton Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1707	2023-12-13	Residential	2696 Antietam Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1704	2023-10-26	Residential	5 Ruthven Pl	Mechanical (Residential)	General HVAC	REPLACEMENT AIR HANDLER AND AIR CONDITIONER		No	No		
MECHR23-1698	2024-08-21	Residential	1401 Pear St	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER SYSTEM		No	No		
MECHR23-1697	2023-08-05	Residential	1223 S Forest Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and water heater.	Replace 2 existing furnaces and 1 water heater.	No	No		
MECHR23-1696	2023-10-20	Residential	2404 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install 2 ton A/C rear	Install 2 ton A/C rear	No	No		
MECHR23-1694	2023-08-03	Residential	2911 E Whittier Ct	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1687	2023-08-16	Residential	1790 Arlington Blvd	Mechanical (Residential)	General HVAC	replace existing furnace w/ amana 80% eff, 100k btu furnace & exisiting condenser w/ amana 4 ton, 13 seer, 2 hp condenser		No	No		
MECHR23-1681	2023-10-28	Residential	1728 Charlton Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1680	2024-01-24	Residential	859 Wickfield Ct	Mechanical (Residential)	General HVAC	Install 1 bathroom exhaust fan and a mini-split system		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1679	2023-10-21	Residential	2517 Maplewood Ave	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-1677	2023-10-04	Residential	821 Starwick Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1676	2023-11-17	Residential	1915 Independence Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1675	2023-09-28	Residential	1211 Russell Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1674	2023-10-28	Residential	1502 Morton Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1673	2023-11-09	Residential	210 Crest Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1665	2023-08-12	Residential	3016 Wolverine Dr	Mechanical (Residential)	General HVAC	Install Air conditioner	Replace air conditioner	No	No		
MECHR23-1663	2024-02-17	Residential	1043 Martin Pl	Mechanical (Residential)	General HVAC	installing a mini split system, in kitchen and one in livingroom		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1662	2023-11-07	Residential	17 Englewood Ct	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR23-1660	2023-08-22	Residential	2874 Kimberley Rd	Mechanical (Residential)	General HVAC	AC replacement		No	No		
MECHR23-1659	2023-11-15	Residential	1023 Avon Rd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1656	2023-10-21	Residential	2102 Alice St	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR23-1653	2025-02-06	Residential	2349 Foxway Dr	Mechanical (Residential)	General HVAC	Replace the AC and Furnace	Replace AC and Furnace	No	No		
MECHR23-1649	2023-11-23	Residential	3217 Chelsea Cir	Mechanical (Residential)	General HVAC	AC REPLACEMENT	AC REPLACEMENT	No	No		
MECHR23-1648	2023-09-28	Residential	1801 Jackson Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC SYSTEM		No	No		
MECHR23-1647	2023-10-14	Residential	741 Peninsula Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1646	2023-09-13	Residential	1906 Dexter Ave	Mechanical (Residential)	General HVAC	`Replace existing a/c system with condenser and cased coil  **Please note: STREAM shows this as a duplex (pulling up units 1 & 2, in addition to standard address) but homeowner states it has not been used as one since 1976.`		No	No		
MECHR23-1644	2023-08-03	Residential	3092 Idlewild Ct	Mechanical (Residential)	General HVAC	American Standard Silver 13 AC installed, replace existing		No	No		
MECHR23-1638	2024-04-06	Residential	1670 Northbrook Dr	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER		No	No		
MECHR23-1637	2023-10-24	Residential	3046 Wolverine Dr	Mechanical (Residential)	General HVAC	AC		No	No		
MECHR23-1632	2023-10-17	Residential	2005 Crestland Dr	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR23-1631	2024-01-20	Residential	840 Hewett Dr	Mechanical (Residential)	General HVAC	AC RECONNECT	AC RECONNECT	No	No		
MECHR23-1630	2023-09-12	Residential	1814 Hermitage Rd	Mechanical (Residential)	General HVAC	Replace existing equipment w/ 5 ton, 14 SEER Amana a/c & air handler		No	No		
MECHR23-1628	2023-08-16	Residential	2466 Trenton Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1627	2023-09-01	Residential	2295 Chaucer Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1626	2023-08-22	Residential	2130 Spruceway Ln	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1625	2023-09-01	Residential	3910 Penberton Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-1623	2025-08-10	Residential	2559 Meade Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1622	2023-10-27	Residential	415 Koch Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1619	2023-08-09	Residential	1205 Patricia Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1614	2023-08-19	Residential	575 Archwood Dr	Mechanical (Residential)	General HVAC	`REPLACE FURNACE AND AC RUN GAS LINE FOR DRYER`	`REPALCE FURNACE AND ACRUN GAS LINE FOR DRYER`	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1601	2023-10-27	Residential	3455 Richard St	Mechanical (Residential)	General HVAC	Install Air Conditioning Package	Replacing A/C condenser	No	No		
MECHR23-1598	2024-06-14	Residential	3230 Chelsea Cir	Mechanical (Residential)	General HVAC	AC REPLACEMENT	AC REPLACEMENT	No	No		
MECHR23-1594	2023-08-26	Residential	3209 Monument	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1593	2023-10-24	Residential	3276 Bluett Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1589	2023-08-05	Residential	1812 Jackson Ave	Mechanical (Residential)	General HVAC	Install furnace, a/c system with all new ductwork, including 2 floor supply's and 1 return	Install furnace, a/c, distribution duct system	No	No		
MECHR23-1583	2023-08-05	Residential	1829 Hanover Rd	Mechanical (Residential)	General HVAC	Replace AC	Replace AC	No	No		
MECHR23-1582	2023-09-26	Residential	2000 Hill St	Mechanical (Residential)	General HVAC	REPLACEMENT AIR HANDLER		No	No		
MECHR23-1581	2023-09-29	Residential	1840 Timber Trl	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1580	2023-08-12	Residential	934 Loyola Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace Furnace/AC	No	No		
MECHR23-1577	2023-10-28	Residential	3131 Lakehaven Dr	Mechanical (Residential)	General HVAC	Replace/install ac.	Replace/install ac.	No	No		
MECHR23-1576	2023-09-20	Residential	210 N State St	Mechanical (Residential)	General HVAC	Installing new hvac system	`Installing 3 new hvac systems For 3 units`	No	No		
MECHR23-1574	2024-03-20	Residential	2713 Hampshire Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1572	2023-08-11	Residential	3606 Terhune Rd	Mechanical (Residential)	General HVAC	Replace existing furnace & A/C System - S&I Amana AMV9C800803BN furnace ASXH503010 condenser, CAPFA302010 cased coil. AA 600M Humidifier	S&I Amana AMV9C800803BN furnace ASXH503010 conde	No	No		
MECHR23-1570	2024-01-19	Residential	1805 Frieze Ave	Mechanical (Residential)	General HVAC	replace furnace and ac, water heater		No	No		
MECHR23-1569	2023-08-19	Residential	319 Pauline Blvd	Mechanical (Residential)	General HVAC	replace furnace		No	No		
MECHR23-1568	2023-08-08	Residential	3021 Provincial Dr	Mechanical (Residential)	General HVAC	replace Air Handler and outdoor Condenser	replace Air Handler and outdoor unit	No	No		
MECHR23-1567	2023-11-30	Residential	719 Scio Church Rd	Mechanical (Residential)	General HVAC	Replace Furnace and New Heat Pump		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1566	2023-09-19	Residential	2056 Winsted Blvd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1565	2023-12-30	Residential	1815 Northbrook Dr	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1558	2023-11-04	Residential	1739 Sheridan Dr	Mechanical (Residential)	General HVAC	Two new furnace and air conditioners (email conf attached). All new ductwork	2 new hvac systems	Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1557	2023-11-08	Residential	2937 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1556	2023-11-14	Residential	2939 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1555	2023-08-01	Residential	300 Briarcrest Dr 142	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AC (SPLIT UNIT)	`REPLACING COMBINATION ALL IN ONE UNIT (FURNACE /	No	No		
MECHR23-1554	2023-11-28	Residential	2941 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, SIR CONDITIONER, HUMIDIFIER AND DUCTWOIRK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1553	2023-11-16	Residential	2943 Corston Rd	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner, humidifier and ductwork vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1552	2024-01-25	Residential	568 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1551	2024-01-20	Residential	627 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1550	2023-12-22 09:55:31	Residential	628 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONITIONER,AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1544	2023-08-10	Residential	2439 Mulberry Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1542	2023-08-04	Residential	2703 Winthrop Ct	Mechanical (Residential)	General HVAC	Furnace and A/C replacement	Furnace and A/C replacement	No	No		
MECHR23-1538	2023-08-26	Residential	3028 N Spurway Dr	Mechanical (Residential)	General HVAC	REPLACE AIR CONDITIONER		No	No		
MECHR23-1537	2023-08-23	Residential	800 Hewett Dr	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, AIR CONDITIONER, AND HUMIDIFIER		No	No		
MECHR23-1536	2023-09-07	Residential	1012 Hill St	Mechanical (Residential)	General HVAC	***VOID PERMIT DUE TO WRONG WORKCLASS/$$ TRANSF, SEE MECHC23-0934*** - INSTALL AC, FURNACE, MISC MECH EQUIPMENT		No	No		
MECHR23-1535	2023-08-26	Residential	1200 Prospect St	Mechanical (Residential)	General HVAC	New HVAC for 1200 Prospect	Full HVAC rebuild as part of full house rebuild	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1530	2023-08-16	Residential	250 Briarcrest Dr 127	Mechanical (Residential)	General HVAC	Replacement of combo heat / cool unit		No	No		
MECHR23-1515	2023-12-12	Residential	561 Concord Pines Dr	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner and ductwork vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1514	2023-11-17	Residential	577 Concord Pines Dr	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner and ductwork vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1513	2023-12-21	Residential	589 Concord Pines Dr	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner and ductwork vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1512	2023-11-17	Residential	529 Concord Pines Dr	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner and ductwork on a home with a finished basement vent:: dryer, range hood, bath fans, register and grills`		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1511	2023-11-17	Residential	512 Concord Pines Dr	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner, and ductwork on a home with a finished basement vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1509	2024-01-06	Residential	611 Pine Cir	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner and ductwork on a home with a finished basement vent: dryer, range hood, bath fans, register and grills`		No	No		
MECHR23-1508	2023-12-12	Residential	623 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTERS AND GRILLS`		No	No		
MECHR23-1507	2023-12-21	Residential	600 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, AND DUCTWORK VENT: DRYER,RANGE HOODS, BATH FANS, REGISTERS AND GRILLS`		No	No		
MECHR23-1503	2023-09-09	Residential	2129 Pauline Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1502	2023-09-19	Residential	2944 Barclay Way	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1501	2023-11-02	Residential	1000 Cedar Bend Dr	Mechanical (Residential)	General HVAC	Install Mini Split (Rock Electrical to get the electrical permit)		Yes	No		Mini Split
MECHR23-1500	2023-09-27	Residential	3125 Fawnmeadow Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1499	2023-10-06	Residential	731 Gott St	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1498	2023-08-30	Residential	710 Northside Ave	Mechanical (Residential)	General HVAC	Install Mini Split and furnace (Rock Electrical to get the electrical permit)		Yes	No		Mini Split
MECHR23-1496	2023-09-13	Residential	1500 Granada Ave	Mechanical (Residential)	General HVAC	install mitsubishi single zone	installing a mitsubishi single zone hyperheat	Yes	No		Mini Split
MECHR23-1491	2023-10-18	Residential	3053 Rumsey Dr	Mechanical (Residential)	General HVAC	S&I Amana 96% Efficient Variable Speed furnace 16SEER 3.5 ton AC		No	No		
MECHR23-1475	2023-11-10	Residential	3909 Waldenwood Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1472	2023-08-23	Residential	2110 Londonderry Rd	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1471	2023-09-12	Residential	2786 Barclay Way	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1470	2023-09-07	Residential	1407 Wakefield Ave	Mechanical (Residential)	General HVAC	REPLACE WATER HEATER & FURNACE/AC		No	No		
MECHR23-1468	2023-08-09	Residential	507 E Kingsley St	Mechanical (Residential)	General HVAC	Replacing old hot water boiler with new central air conditioner	Installing new furnace with ac package and new ductwork	No	No		
MECHR23-1465	2023-10-25	Residential	3330 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK VENT: DRY, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1464	2023-09-09	Residential	1218 City Dr	Mechanical (Residential)	General HVAC	Replace 2 head mini split	Replacing a 2 head mini split	Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1458	2023-09-09	Residential	2200 Independence Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, HUMIDIFIER, AND AIR CONDITIONER		No	No		
MECHR23-1453	2023-08-18	Residential	501 E Ann St	Mechanical (Residential)	General HVAC	Installing new hvac system	Replacing old hot water boiler with new central heating and	No	No		
MECHR23-1450	2023-08-30	Residential	1835 Greenview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1447	2023-11-29	Residential	521 Concord Pines Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURNACE, A/C, BATH FANS, DRYER VENT, HOOD VENT,	NEW CONSTRUCTION: DUCTWORK, FURNACE, AC, BATH	No	No		
MECHR23-1446	2023-11-21	Residential	524 Concord Pines Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURNACE, AIR CONDITIONER, SONE SYSTEM, BATH FANS, DRYER VENT, HOOD VENT AND FINISHED BASEMENT	NEW CONSTRUCTION: DUCTWORK, FURNACE, A/C, ZONE	No	No		
MECHR23-1445	2023-08-10	Residential	2642 Bellwood Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1443	2023-09-28	Residential	1345 Ravenwood Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1437	2023-10-25	Residential	3326 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1436	2023-10-25	Residential	3328 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK. VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1435	2023-08-03	Residential	2996 W Whittier Ct	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1430	2023-08-18	Residential	616 Wembley Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1429	2023-10-03	Residential	1208 Arborview Blvd	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1428	2023-10-14	Residential	2024 Vinewood Blvd	Mechanical (Residential)	General HVAC	REPLACE MAIN FLOOR AND SECOND FLOOR AC UNITS		No	No		
MECHR23-1427	2023-08-02	Residential	3635 Frederick Dr	Mechanical (Residential)	General HVAC	Install 2 new Mini Splits (Rock Electrical is doing the electrical work and permit)		Yes	No		Mini Split
MECHR23-1426	2023-09-21	Residential	614 Eberwhite Blvd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1425	2023-08-08	Residential	2827 Brandywine Dr	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1424	2023-11-23	Residential	301 N Seventh St	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1421	2023-11-04	Residential	1790 Hideaway Ln	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1417	2023-08-26	Residential	2775 Manchester Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC AND DUCT MODIFICATION TO ADD TWO SUPPLY AIR OPENINGS AND ONE RETURN TO EXISTING ADDITION		No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1416	2023-08-30	Residential	531 Heritage Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1415	2023-09-21	Residential	2710 Radcliffe Ave	Mechanical (Residential)	General HVAC	Replace a/c, replace water heater		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1403	2023-10-26	Residential	1016 Daniel St	Mechanical (Residential)	General HVAC	Vent bath fan, install mini- split & erv		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1398	2023-12-16	Residential	715 Green Rd	Mechanical (Residential)	General HVAC	Replacing 2 furnaces, 1 a/c and humidifier	Replacing 2 furnaces, 1 a/c and humidifier	No	No		
MECHR23-1396	2023-12-05	Residential	3036 Cloverly Ln	Mechanical (Residential)	General HVAC	Install A/C *FEES PAID ON MECHC23-0696*	Install A/C	No	No		
MECHR23-1390	2023-11-29	Residential	3061 Village Cir N	Mechanical (Residential)	General HVAC	REPLACEMENT AC SYSTEM		No	No		
MECHR23-1389	2023-08-19	Residential	2324 Nixon Rd	Mechanical (Residential)	General HVAC	Installation of Condenser, Coil, Gas Furnace or Air Handler	Installation of Condenser, Coil, Air Handler	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1386	2023-09-14	Residential	214 W Summit St	Mechanical (Residential)	General HVAC	replace furnace and AC		No	No		
MECHR23-1385	2023-08-05	Residential	2086 Mershon Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC	REPLACE FURNACE, AC AND CHIMNEY LINER	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1381	2023-08-26	Residential	275 Briarcrest Dr 192	Mechanical (Residential)	General HVAC	hwc installation	This is an HWC packaged unit, however I don't see a categ	No	No		
MECHR23-1374	2023-11-03	Residential	2122 Geddes Ave	Mechanical (Residential)	General HVAC	All new hvac systems	All new hvac systems	No	No		
MECHR23-1367	2023-08-01	Residential	639 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1364	2023-11-14	Residential	2303 Vinewood Blvd	Mechanical (Residential)	General HVAC	REPLACING FURNACE AND AC		No	No		
MECHR23-1363	2023-08-09	Residential	603 Liberty Pointe Dr	Mechanical (Residential)	General HVAC	REPLACING AC SYSTEM		No	No		
MECHR23-1350	2023-11-09	Residential	533 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HODD, BATH FANS, REGISTER ADN GRILLS`		No	No		
MECHR23-1349	2023-08-11	Residential	416 Colin Cir	Mechanical (Residential)	General HVAC	Replace/install ac	Replace/install ac	No	No		
MECHR23-1347	2023-08-04	Residential	1008 W Washington St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1346	2023-08-30	Residential	2020 Devolson Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1344	2023-08-01	Residential	2954 Shady Ln	Mechanical (Residential)	General HVAC	REPLACE HEAT PUMP		Yes	Yes		Unspecified
MECHR23-1342	2023-08-29	Residential	1126 Lincoln Ave	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1341	2023-08-12	Residential	1139 Michigan Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC, DUCT WORK, VENTING, BATH FANS AND KITCHEN HOOD		Yes	Yes		Unspecified
MECHR23-1338	2023-08-12	Residential	1209 Wells St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND NEW RETURN AND VENTING DRYER , HOOD AND TWO BATH FANS		No	No		
MECHR23-1329	2024-01-04	Residential	915 Miner St	Mechanical (Residential)	General HVAC	`Install new furnace and air conditioner. Running new duct work to addition. Installing 3 bath fan exhaust. Reroute gas line to new location of new furnace and dryer. Install new dryer exhaust.`	Putting an addition on	No	No		
MECHR23-1328	2023-10-20	Residential	2542 Arrowwood Trl	Mechanical (Residential)	General HVAC	Replace A/C (rear)	Install A/C (rear)	No	No		
MECHR23-1326	2024-04-28	Residential	1306 Gardner Ave	Mechanical (Residential)	General HVAC	Replacing the a/c coil and condenser	Replacing the a/c	No	No		
MECHR23-1321	2023-09-20	Residential	343 Pinewood St	Mechanical (Residential)	General HVAC	HVAC for a new build		No	No		
MECHR23-1315	2023-08-17	Residential	608 W Washington St	Mechanical (Residential)	General HVAC	replace a/c	replace a/c	No	No		
MECHR23-1314	2023-10-03	Residential	3324 Roseford Blvd	Mechanical (Residential)	General HVAC	`INSTALL: FRUNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1306	2023-08-22	Residential	1516 Jewett Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1304	2024-03-15	Residential	794 Peninsula Ct	Mechanical (Residential)	General HVAC	REPLACE AC AND DRYER VENT		No	No		
MECHR23-1303	2023-08-03	Residential	1100 Chestnut Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1302	2023-08-02	Residential	1619 E Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1300	2023-12-20	Residential	2915 Chesterfield Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1298	2023-12-15	Residential	2130 Blaney Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1297	2023-08-24	Residential	10 Kilbrennan Ct	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1293	2023-09-24	Residential	609 Second St	Mechanical (Residential)	General HVAC	RELOCATE EXISTING AC TO OPPOSITE SIDE OF HOUSE		No	No		
MECHR23-1292	2023-09-24	Residential	1549 Marian Ave	Mechanical (Residential)	General HVAC	REPLACE AC AND MODIFY DUCT		No	No		
MECHR23-1291	2024-01-19	Residential	827 Brooks St	Mechanical (Residential)	General HVAC	install 2 heat pump systems, 2 ducted forced air systems, five zones.	Install 2 heat pump systems, 2 ducted forced air systems,	Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1290	2023-12-14	Residential	1415 Wells St	Mechanical (Residential)	General HVAC	replace AC		No	No		
MECHR23-1288	2023-08-01	Residential	2226 Parkwood Ave	Mechanical (Residential)	General HVAC	replace and Furnace and AC and Humidifier	replacing equipment	No	No		
MECHR23-1285	2023-09-13	Residential	3713 Middleton Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1284	2023-10-24	Residential	435 Huntington Pl	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1283	2023-08-02	Residential	120 Ponds View Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, AND WATER HEATER		No	No		
MECHR23-1282	2023-08-01	Residential	437 Park Lake Ave	Mechanical (Residential)	General HVAC	Replace a/c		No	No		
MECHR23-1280	2024-08-17	Residential	528 N State St	Mechanical (Residential)	General HVAC	Furnish and install hvac in complete remodel.		No	No		
MECHR23-1279	2023-09-12	Residential	2538 Arrowwood Trl	Mechanical (Residential)	General HVAC	Install 2.5 ton A/C	`Install 2.5 ton A/C`	No	No		
MECHR23-1278	2023-08-17	Residential	2150 Amelia Pl	Mechanical (Residential)	General HVAC	REPLACEMENT AC		No	No		
MECHR23-1276	2023-08-05	Residential	2309 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFIER		No	No		
MECHR23-1273	2023-11-05	Residential	511 E Ann St	Mechanical (Residential)	General HVAC	2 new system		Yes	No	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1270	2023-08-12	Residential	838 Heather Way	Mechanical (Residential)	General HVAC	Replacing the a/c and furnace		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1255	2023-08-17	Residential	809 Henry St	Mechanical (Residential)	General HVAC	Remodel existing into duplex	Duplex Remodel	No	No		
MECHR23-1251	2023-12-05	Residential	1125 Freesia Ct	Mechanical (Residential)	General HVAC	Replace Furnace/AC	Replace furnace/ac	No	No		
MECHR23-1248	2023-12-29	Residential	603 Robin Rd	Mechanical (Residential)	General HVAC	Duct furnace , a/c vent bath fans		Yes	No	Mini-Splits (primary heat source)	Mini Split
MECHR23-1246	2023-09-23	Residential	365 Hazelwood Ave	Mechanical (Residential)	General HVAC	INSTALL MINI SPLIT		Yes	No		Mini Split
MECHR23-1245	2023-09-13	Residential	2270 Hickory Point Dr	Mechanical (Residential)	General HVAC	install goodman 100000btu 4 ton furnace		No	No		
MECHR23-1242	2023-11-08	Residential	556 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1240	2023-08-29	Residential	1390 S Folkstone Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1225	2024-02-14	Residential	2109 Devonshire Rd	Mechanical (Residential)	General HVAC	`Replace furnace and a/c, vent kitchen exhaust, bath fan Rework duct *Electrician is wiring units with the rest of the house*`		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1222	2023-08-03	Residential	1321 Brooklyn Ave	Mechanical (Residential)	General HVAC	Replace existing furnace and a/c	Replace existing furnace and a/c	No	No		
MECHR23-1207	2023-08-12	Residential	1457 Catalina Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1201	2023-12-06	Residential	2719 Barclay Way	Mechanical (Residential)	General HVAC	Furnace and AC Replacement. No exterior alterations.	Replacement of furnace and AC. no exterior work performe	No	No		
MECHR23-1197	2023-11-02	Residential	1131 Lincoln Ave	Mechanical (Residential)	General HVAC	Replace existing space pak and condenser	Replace existing space pak and condenser	No	No		
MECHR23-1196	2023-08-05	Residential	2905 Marshall St	Mechanical (Residential)	General HVAC	Furnace and A/C change out		No	No		
MECHR23-1192	2023-08-08	Residential	3079 Nordman Rd	Mechanical (Residential)	General HVAC	HVAC for a new build		No	No		
MECHR23-1189	2023-12-07	Residential	520 Miner St	Mechanical (Residential)	General HVAC	install minisplit system, duct run to kitchen		Yes	No		Mini Split
MECHR23-1184	2023-10-03	Residential	1048 Hasper Dr	Mechanical (Residential)	General HVAC	REPLACE FURNAC AND AIR CONDITIONER		No	No		
MECHR23-1182	2023-11-09	Residential	1693 Stadium Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1181	2023-08-22	Residential	716 Hiscock St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND DUCT ALTERATION		No	No		
MECHR23-1179	2023-08-03	Residential	2774 Glenbridge Ct	Mechanical (Residential)	General HVAC	AC		No	No		
MECHR23-1174	2023-09-30	Residential	3054 Barclay Way	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1173	2023-08-03	Residential	3154 Shamrock Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-1171	2023-09-12	Residential	704 Madison Pl	Mechanical (Residential)	General HVAC	Second Floor Ducting from Basement. New Furnace and AC		No	No		
MECHR23-1167	2023-08-09	Residential	1102 Prospect St	Mechanical (Residential)	General HVAC	`Relocation of unit 1 furnace ,water heater and ductwork and installing bathroom ,kitchen exhaust and Ac unit Unit 2 relocating furnace to 2nd floor and installing new ductwork,ac unit and kitchen exhaust fan`	Furnaces relocation and installation of new ductwork,exha	No	No		
MECHR23-1158	2024-02-16	Residential	1580 Traver St	Mechanical (Residential)	General HVAC	`*New house - BLDG19-1694* - INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1157	2023-08-02	Residential	1511 Morton Ave	Mechanical (Residential)	General HVAC	install 2 zone mitsubishi standard system		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-1153	2023-11-28	Residential	421 S Seventh St 1	Mechanical (Residential)	General HVAC	Replace/install furnace, ac, water heater.	Replace/install furnace, ac, water heater.	No	No		
MECHR23-1139	2023-08-30	Residential	2802 Page Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AIR CONDITIONER AND HUMIDIFIER.		No	No		
MECHR23-1137	2023-10-03	Residential	1702 Hill St	Mechanical (Residential)	General HVAC	**SEE MECHR23-2083 FOR FEES PAID ON AC** Complete hvac systems, gas pipe, and venting of bath fans for remodel/existing home		No	No		
MECHR23-1134	2023-08-01	Residential	3065 Barclay Way	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-1122	2024-01-26	Residential	2780 Barclay Way	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1096	2023-08-22	Residential	1877 Arlington Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC AND WATER HEATER		No	No		
MECHR23-1094	2023-08-25	Residential	434 S Fourth Ave	Mechanical (Residential)	General HVAC	ADD AC		No	No		
MECHR23-1093	2023-08-12	Residential	3176 Otter Creek Ct	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier	Replace Furnace/AC/Humidifier	No	No		
MECHR23-1090	2023-08-10	Residential	2431 Manchester Rd	Mechanical (Residential)	General HVAC	REPLACE AC WITH AIR TO AIR HEAT PUMP		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System
MECHR23-1063	2023-11-29	Residential	3383 Burbank Dr	Mechanical (Residential)	General HVAC	Replace existing AC unit	Replace existing AC	No	No		
MECHR23-1053	2023-10-24	Residential	109 Worden Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1052	2023-08-26	Residential	412 E William St	Mechanical (Residential)	General HVAC	Replace 2 furnaces, air conditioners, duct, gas line and venting	hvac	No	No		
MECHR23-1051	2023-09-14	Residential	944 Raymond St	Mechanical (Residential)	General HVAC	`Addition of rear of home 1-Installation of multi zone Minisplit total of 18k. 2-Install dryer vent 3-install bath vent`	`Installing multi zone Minisplit totaling 18k BTUs Install dryer vent and bath vent`	Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1046	2023-10-06	Residential	585 Concord Pines Dr	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: FINISHED BASEMENT, ZONE SYSTEM, FURNACE, AC, DUCTWORK, HOOD VENT, DRYER VENT, BATH FANS	NEW CONSTRUCTION: FINISHED BASEMENT, ZONE SYSTE	No	No		
MECHR23-1045	2023-10-25	Residential	619 Pine Cir	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURNACE, AC ,DRYER VENT, HOOD VENT, BATH FANS AND ZONE SYSTEM	NEW CONSTRUCTION: DUCTWORK, AC, FURNACE, DRYEI	No	No		

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-1044	2023-10-12	Residential	607 Pine Cir	Mechanical (Residential)	General HVAC	NEW CONSTRUCTION: DUCTWORK, FURNACE, AC, BATH FANS, DRYER VENT, HOOD VENT, ZONE SYSTEM	NEW CONSTRUCTION: DUCTWORK, FURNACE, AC, BATH	No	No		
MECHR23-1040	2023-08-10	Residential	915 Westwood Ave	Mechanical (Residential)	General HVAC	INSTALL NEW AIR CONDITIONER		No	No		
MECHR23-1038	2023-09-08	Residential	1003 S Main St	Mechanical (Residential)	General HVAC	installing 2- multizone ductless units		Yes	Yes	Mini-Splits (primary heat source)	Mini Split
MECHR23-1030	2023-09-26	Residential	2948 Corston Rd	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner, humidifier and ductwork vent: dryer, range hood, bath fans, registers and grills`		No	No		
MECHR23-1029	2023-09-28	Residential	2946 Corston Rd	Mechanical (Residential)	General HVAC	`install: furnace, air conditioner, mini split, humidifier and duct work vent: dryer, range hood, bath fans, register and grills`		Yes	No		Mini Split
MECHR23-1028	2023-09-26	Residential	2944 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RNAGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1027	2023-09-26	Residential	2942 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-1026	2024-06-12 07:30:13	Residential	915 Vesper Rd	Mechanical (Residential)	General HVAC	Furnish and install HVAC in Resident5ial new Construction	Residential new construction mechanical	No	No		
MECHR23-1025	2023-09-16	Residential	2940 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, MINI SPLIT, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		Yes	No		Mini Split
MECHR23-1021	2023-10-13	Residential	3330 Goat Fell	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-1011	2023-09-28	Residential	1315 Kelly Green Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-1008	2023-08-03	Residential	718 Hutchins Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1006	2023-08-24	Residential	304 Wilton St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-1005	2023-08-10	Residential	2946 Verle Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-1003	2023-09-30	Residential	225 High Orchard Dr	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-0981	2023-09-26	Residential	603 Pine Cir	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK'	No	No		
MECHR23-0973	2023-08-16	Residential	318 Catherine St	Mechanical (Residential)	General HVAC	install new furnace	install new furnace	No	No		
MECHR23-0963	2023-08-01	Residential	1231 Crosby Cres	Mechanical (Residential)	General HVAC	Replace existing A/C 2.5 ton Carrier	Replace 2.5 ton Carrier A/C	No	No		
MECHR23-0960	2023-10-04	Residential	2770 Page Ave	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-0954	2023-09-27	Residential	581 Concord Pines Dr	Mechanical (Residential)	General HVAC	INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK IN A HOME WITH A FINISHED BASEMENT	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK'	No	No		
MECHR23-0943	2023-09-13	Residential	608 W Davis Ave	Mechanical (Residential)	General HVAC	REPLACE AIR HANDLER AND HEAT PUMP		Yes	Yes	Mini-Splits (supplementary heat source)	Mini Split
MECHR23-0941	2023-09-12	Residential	1415 Granger Ave	Mechanical (Residential)	General HVAC	duct distribution on the first and second floor. complete system and gas pipe for second floor.	duct distribution for first and second; complete system an	No	No		
MECHR23-0936	2023-08-03	Residential	2712 Lillian Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-0934	2023-11-18	Residential	2802 Bombridge Ct	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-0928	2023-09-13	Residential	3227 Ardley Ave	Mechanical (Residential)	General HVAC	INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCT WORK ON A HOME WITH A FINISHED BASEMENT		No	No		
MECHR23-0916	2023-09-02	Residential	550 Fifth St	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-0912	2023-08-16	Residential	1810 W Liberty St	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND AIR CONDITIONER		No	No		
MECHR23-0909	2023-12-13	Residential	3410 Sussex Ct	Mechanical (Residential)	General HVAC	remove existing furnace and water heater and replace with new equipment	Remove existing equipment and install new energy efficien	No	No		
MECHR23-0908	2023-11-03	Residential	3005 Barclay Way	Mechanical (Residential)	General HVAC	Replace A/C		No	No		
MECHR23-0906	2023-08-22	Residential	2372 Hilldale Dr	Mechanical (Residential)	General HVAC	Replace furnace, air conditioner, humidifier.		No	No		
MECHR23-0895	2023-08-31	Residential	2992 Lakeview Dr	Mechanical (Residential)	General HVAC	Replace Furnace/AC/Humidifier/ Hot water tank	Replace furnace/ac/humidifier/hot water tank	No	No		
MECHR23-0893	2023-10-28	Residential	1707 Maryfield Dr	Mechanical (Residential)	General HVAC	Replace furnace	Replace furnace	No	No		
MECHR23-0887	2023-10-07	Residential	1703 E Stadium Blvd	Mechanical (Residential)	General HVAC	REPLACE FAN COIL		No	No		
MECHR23-0885	2023-09-12	Residential	2225 Churchill Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-0884	2023-09-21	Residential	2010 Penncraft Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-0883	2023-09-24	Residential	106 Fairview Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No	No		
MECHR23-0882	2023-10-19	Residential	2762 Georgetown Blvd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No	No		
MECHR23-0881	2023-10-27	Residential	735 Dartmoor Rd	Mechanical (Residential)	General HVAC	REPLACE AC		No	No		
MECHR23-0880	2023-08-02	Residential	3761 Stone School Rd	Mechanical (Residential)	General HVAC	FURNACE AND AC RECONNECT	FURNACE AND AC RECONNECT	No	No		
MECHR23-0875	2025-04-02	Residential	543 Detroit St	Mechanical (Residential)	General HVAC	Installing a new furnace, AC, Duct system, bath fans, Combi boiler, radiant tube in basement	Major remodel with addition	No	No		
MECHR23-0874	2023-08-30	Residential	1315 Culver Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE		Yes	Yes	Centralized/Ducted System	Centralized/ Ducted System

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-0864	2023-08-05	Residential	408 Hamilton Pl	Mechanical (Residential)	General HVAC	Replacement of AC, Furnace, bath fan, ductwork and gas line in single unit home.		No	No		
MECHR23-0857	2023-11-07	Residential	1905 Camelot Rd	Mechanical (Residential)	General HVAC	Replace Furnace and A/C		No	No		
MECHR23-0855	2023-09-27	Residential	1405 Hewett Dr	Mechanical (Residential)	General HVAC	Replace existing airconditioner		No	No		
MECHR23-0838	2023-12-12	Residential	400 Snyder Ave	Mechanical (Residential)	General HVAC	new house		No	No		
MECHR23-0830	2023-08-03	Residential	1205 Olivia Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No			
MECHR23-0826	2024-05-09 13:16:32	Residential	1236 Kensington Dr	Mechanical (Residential)	General HVAC	INSTALLING WALL FURNACE		No			
MECHR23-0806	2023-10-07	Residential	605 Green Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC, AND WATER HEATER		No			
MECHR23-0803	2023-09-14	Residential	537 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCT WORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0802	2023-09-14	Residential	545 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, AND DUCTWORK IN A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0801	2023-08-15	Residential	3221 Ardley Ave	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0800	2023-09-13	Residential	3223 Ardley Ave	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0799	2023-09-13	Residential	3225 Ardley Ave	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,HUMIDIFIER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0795	2023-10-18	Residential	2063 Champagne Dr	Mechanical (Residential)	General HVAC	Replace a/c		No			
MECHR23-0791	2023-11-29	Residential	701 Catherine St	Mechanical (Residential)	General HVAC	REPLACE AC	AC circuit	No	No		
MECHR23-0760	2023-09-13	Residential	2938 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0744	2024-01-06	Residential	109 Adams St	Mechanical (Residential)	General HVAC	REPLACE CENTRAL AIR CONDITIONER		No			
MECHR23-0733	2023-08-30	Residential	421 Parkwood St	Mechanical (Residential)	General HVAC	REPLACEMENT OF FURNACE, HUMIDIFIER, CONDENSATE PUMP AND THERMOSTAT		No			
MECHR23-0729	2023-08-29	Residential	516 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOUSE WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0728	2023-09-22	Residential	750 Barclay Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No			
MECHR23-0724	2023-08-26	Residential	1122 Olivia Ave	Mechanical (Residential)	General HVAC	`New HVAC System, Gas Piping, Kitchen and Bath Exhaust and Duct Distribution.`		No			
MECHR23-0721	2023-10-07	Residential	941 Sherwood St	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0710	2024-01-05	Residential	914 Lutz Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE, HUMIDIFIER AND AC IN ONE HALF OF DUPLEX. REPLACE AC IN OTHER HALF OF DUPLEX.		No			
MECHR23-0703	2023-12-12	Residential	619 Felch St	Mechanical (Residential)	General HVAC	New furnace, ac, ductwork for addition. Vent kitchen exhaust fan and 1 bathfan.		No			
MECHR23-0689	2023-09-26	Residential	901 Fifth St	Mechanical (Residential)	General HVAC	INSTALL FURNACE, AC, GAS HEATER, KITCHEN EXHAUST, 2 BATH EXHAUST, DRYER EXHAUST, DUCTWORK		No			
MECHR23-0682	2023-10-12	Residential	1217 Bydding Rd	Mechanical (Residential)	General HVAC	`Reconnect furnace and a/c rework duct work Vent bath fan and kitchen exhaust Install new gas line`		No			
MECHR23-0664	2023-11-04	Residential	3412 Norwood St	Mechanical (Residential)	General HVAC	replace 2 ton air conditioner		No			
MECHR23-0649	2023-08-29	Residential	2555 Victoria Ave	Mechanical (Residential)	General HVAC	REPLACE GAS FURNACE AND HUMIDIFER		No			
MECHR23-0645	2023-08-02	Residential	2761 Aurora St	Mechanical (Residential)	General HVAC	80% FURNACE & 14 SEER AC INSTALL		No			
MECHR23-0616	2023-08-17	Residential	1109 Lutz Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC UNIT, INSTALL HYBRID HEAT PUMP HOT WATER TANK		Yes			Unspecified
MECHR23-0598	2023-08-01	Residential	301 Awixa Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0597	2023-08-23	Residential	1917 Coronada Dr	Mechanical (Residential)	General HVAC	Replace/install ductless split.		Yes			Mini Split
MECHR23-0562	2023-08-12	Residential	532 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-0560	2023-08-18	Residential	549 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK ON A HOME WITH A FINISHED BASEMENT VENT: DRYER, RANGE HOOD, BATH FANS, REGISTERS AND GRILLS`		No			
MECHR23-0555	2023-09-09	Residential	2340 Londonderry Rd	Mechanical (Residential)	General HVAC	Replace Existing Furnace		No			
MECHR23-0552	2023-09-20	Residential	1221 Baldwin Ave	Mechanical (Residential)	General HVAC	HVAC, Full house remodel (2 story) with tear out down to the studs, new framing in key areas, all new mechanical (electrical, HVAC system and plumbing), new primary suite with full bath, new windows, floors, cabinetry, etc.		No			
MECHR23-0550	2023-08-29	Residential	517 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0549	2023-08-30	Residential	525 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER,AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0547	2023-09-18	Residential	2320 Tall Oaks Dr	Mechanical (Residential)	General HVAC	Rework supply run out, vent (2) bath fans, move (2) return runs, vent (1) range hood, (2) furnaces, (1) AC unit		No			
MECHR23-0537	2024-05-24	Residential	121 Crest Ave	Mechanical (Residential)	General HVAC	supply and install duct work throughout home, zoning all 3 floors, ewc zoning system,vent 5 bath fans and 1 dryer to outside,install amana amec furnace 100,000 but 96%efficient 4 ton blower,instal amana azx13 3 ton a/c package,		No			
MECHR23-0526	2024-02-25	Residential	1272 Kuehnle Ct	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE, AIR CONDITIONER, HUMIDIFIER		No			
MECHR23-0503	2023-09-01	Residential	812 Catherine St 2	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No			
MECHR23-0502	2023-09-01	Residential	812 Catherine St 1	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No			
MECHR23-0482	2023-09-15	Residential	901 Fifth St	Mechanical (Residential)	General HVAC	Water heater, furnace, and garage heater		No			
MECHR23-0461	2024-08-09	Residential	524 Cherry St 1	Mechanical (Residential)	General HVAC	furnace replament in Attic		No			
MECHR23-0459	2023-09-01	Residential	2028 Fair St	Mechanical (Residential)	General HVAC	REPLACEMENT GAS FURNACE AND HUMIDIFIER		No			
MECHR23-0458	2023-08-15	Residential	2935 Corston Rd	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, MINI SPLIT, HUMIDIFIER, AIR CONDITONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		Yes			Mini Split
MECHR23-0457	2023-08-08	Residential	2933 Corston Rd	Mechanical (Residential)	General HVAC	`New Construction: INSTALL: FURNACE,AIR CONDITIONER, HUMIDIFIER AND DUCTWORK VENT: DRYER, RANGEHOOD, BATH FANS, REGISTER AND GRILLS`		No	No		
MECHR23-0456	2023-08-08	Residential	2931 Corston Rd	Mechanical (Residential)	General HVAC	`New Construction: INSTALL: FURNACE, AIR CONDITIOENR, HUMIDIFIER AND DUCTWORK VEVNT: DRYER, RANGE HOOD, BATH FANS, REGISTERS AND FRILLS`		No			
MECHR23-0446	2023-09-05	Residential	2339 Pontiac Trl	Mechanical (Residential)	General HVAC	Furnace changeout		No			
MECHR23-0434	2025-09-27	Residential	2000 Anderson Ct	Mechanical (Residential)	General HVAC	Install air handler matched to a heat pump and duct work		Yes			Unspecified
MECHR23-0409	2023-10-05	Residential	1700 Fulmer St	Mechanical (Residential)	General HVAC	New Construction HVAC system		No			
MECHR23-0381	2023-10-12	Residential	2281 Yost Blvd	Mechanical (Residential)	General HVAC	Furnace, AC, HWT, and Gas line install		No			
MECHR23-0366	2023-08-03	Residential	1820 Meadowside Dr	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0351	2025-12-05	Residential	415 Barber Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0348	2023-08-04	Residential	11 Westbury Ct	Mechanical (Residential)	General HVAC	REPLACE FURNACE, AC & WATER HEATER		No			
MECHR23-0345	2023-08-23	Residential	3760 Fox Hunt Dr	Mechanical (Residential)	General HVAC	Furnish and install HVAC in new Construction		No			
MECHR23-0329	2023-11-02	Residential	221 W Summit St	Mechanical (Residential)	General HVAC	Furnish and install HVAC in Residential new construction		No			
MECHR23-0308	2023-08-05	Residential	442 S Fourth Ave	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0302	2023-10-04	Residential	1210 Minglewood Way	Mechanical (Residential)	General HVAC	Relocate radiant baseboard, vent (3) bath fans		No			
MECHR23-0298	2023-08-29	Residential	541 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL:FURNACE, AIR CONDITIONER AN DIUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0284	2024-02-04	Residential	446 Sunset Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE AND AC		No			
MECHR23-0265	2025-04-09	Residential	1332 Forest Ct	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE		No			
MECHR23-0260	2024-04-25	Residential	1169 Aberdeen Dr	Mechanical (Residential)	General HVAC	new HVAC		No			
MECHR23-0245	2023-08-03	Residential	1309 Culver Rd	Mechanical (Residential)	General HVAC	REPLACED GAS FURNACE, AC, HUMIDIFIER AND WATER HEATER		No			
MECHR23-0214	2023-10-14	Residential	1708 Cherokee Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No			
MECHR23-0213	2023-09-30	Residential	2605 Powell Ave	Mechanical (Residential)	General HVAC	REPLACE BOILER		No			
MECHR23-0210	2023-09-14	Residential	2701 Washtenaw Ave	Mechanical (Residential)	General HVAC	replace two furnaces		No			

PERMIT NUMBER	FINALIZE DATE	Property Class	MAIN ADDRESS	PERMIT TYPE	PERMIT WORK CLASS	PERMIT DESC	Description of Work	hvac_is_ heat_pump	applicant_specified_ heat_pump_yn	applicant_specified_ heat_pump_type	determined_heat _pump_type
MECHR23-0180	2023-08-02	Residential	553 Concord Pines Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER, AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS HOUSE DOES HAVE A FINISHED BASEMENT`		No	No		
MECHR23-0179	2023-09-26	Residential	2020 Seneca Ave	Mechanical (Residential)	General HVAC	200K BTU Boiler		No			
MECHR23-0177	2023-08-08	Residential	2211 Devonshire Rd	Mechanical (Residential)	General HVAC	sub permit of BLDG21-1098, install mini split heat pump, hanging unit heater, and vent bathroom fan		Yes			Mini Split
MECHR23-0159	2023-10-27	Residential	1497 Woodland Dr	Mechanical (Residential)	General HVAC	Replace furnace and A/C (Install A/C in the spring)		No			
MECHR23-0120	2023-09-20	Residential	1858 Upland Dr	Mechanical (Residential)	General HVAC	`INSTALL: FURNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0119	2024-03-28 12:23:19	Residential	1878 Upland Dr	Mechanical (Residential)	General HVAC	`INSTALL: FRUNACE, AIR CONDITIONER AND DUCTWORK VENT: DRYER, RTANGE HOOD, BATH FANS, REGISTER AND GRILLS`		No			
MECHR23-0068	2024-02-01	Residential	2442 Adare Cir	Mechanical (Residential)	General HVAC	Replace Furnace and A/C (Install A/C in the Spring)		No			
MECHR23-0031	2023-11-09	Residential	1214 W Washington St	Mechanical (Residential)	General HVAC	Replacing furnace, a/c and the water heater		No			
MECHR23-0005	2025-06-18	Residential	3156 Bolgos Cir	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE		No			
MECHR22-4431	2023-08-17	Residential	210 W Summit St	Mechanical (Residential)	General HVAC	Replace two mini split A/C units with three indoor units each. Venting for three bath fans		Yes			Mini Split
MECHR22-4393	2023-08-31	Residential	3 Regent Ct	Mechanical (Residential)	General HVAC	replace furnace and AC		No			
MECHR22-4378	2023-09-16	Residential	1416 Iroquois Pl	Mechanical (Residential)	General HVAC	`install furnace, AC, ductwork hot water tank due to fire damage. Install gas piping due to having an old oil burner that has been removed. Gas pressure test`		No			
MECHR22-4368	2024-01-13	Residential	306 Gralake Ave	Mechanical (Residential)	General HVAC	change out furnace, a/c, humidifier, vent 3 bath fans installed by others, vent on kitchen exhaust, vent one dryer rework or add duct work, gas piping to kitchen range and fireplace. Install gas log set in existing fireplace opening. SEE Trakit Permit BLDG21-0890		No			
MECHR22-4274	2025-05-16	Residential	2105 Alice St	Mechanical (Residential)	General HVAC	Furnace, ductwork, A/C and Humidifier		No			
MECHR22-4198	2025-07-19	Residential	224 W Oakbrook Dr	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER		No			
MECHR22-4182	2024-12-25	Residential	2382 Foxway Dr	Mechanical (Residential)	General HVAC	FURNACE, AC, HUMIDIFIER, AIR CLEANER		No			
MECHR22-4073	2024-01-19	Residential	2761 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new home		No			
MECHR22-4072	2023-12-21	Residential	2759 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4071	2024-04-18	Residential	2757 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4070	2023-11-21	Residential	2755 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4069	2024-02-07	Residential	2753 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4068	2024-03-16	Residential	2751 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4067	2024-01-06	Residential	2749 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4066	2023-11-18	Residential	2747 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	Provide HVAC for new residence		No			
MECHR22-4025	2023-08-25	Residential	501 Maple Ridge St	Mechanical (Residential)	General HVAC	A/C REPLACEMENT (RE-CONNECT)		No			
MECHR22-3925	2023-08-11	Residential	1766 Glenwood Rd	Mechanical (Residential)	General HVAC	REPLACE FURNACE & AC		No			
MECHR22-3896	2023-11-03	Residential	1850 Joseph St	Mechanical (Residential)	General HVAC	New furnace and duct system, A/C and gas pipe		No			
MECHR22-3686	2023-09-08	Residential	3617 Larchmont Dr	Mechanical (Residential)	General HVAC	Replacing the HVAC system icluding a humidifier.		No			
MECHR22-3601	2024-10-27	Residential	2401 Packard St 31D	Mechanical (Residential)	General HVAC	REPLACE FURNACE		No			
MECHR22-3547	2025-02-14 16:34:38	Residential	2527 Miller Ave	Mechanical (Residential)	General HVAC	REPLACE AC & FURNACE		No			
MECHR22-3482	2023-12-15	Residential	1516 Linwood Ave	Mechanical (Residential)	General HVAC	furnace, A/C, duct, vent bath fans, install gas lines		No			
MECHR22-3373	2024-06-26 10:15:44	Residential	536 Elm St	Mechanical (Residential)	General HVAC	Installing new furnace, Ac system and new duct system		No			
MECHR22-3349	2023-11-04	Residential	2211 Devonshire Rd	Mechanical (Residential)	General HVAC	Installing (2) Furnaces, (2) Air Conditioners, (2) ERVs, all ductwork, all gas piping in new construction home		No			
MECHR22-3311	2025-08-29	Residential	1334 Harpst St	Mechanical (Residential)	General HVAC	REPLACEMENT AC		No			
MECHR22-3197	2023-11-02	Residential	2974 Birch Hollow Dr 2B	Mechanical (Residential)	General HVAC	REPLACE A/C and Furnace		No			
MECHR22-3026	2024-02-08	Residential	1206 Linwood Ave	Mechanical (Residential)	General HVAC	REPLACE AC		No			
MECHR22-2953	2024-03-06	Residential	2205 Navarre Cir	Mechanical (Residential)	General HVAC	HVAC for addition		No			
MECHR22-2898	2024-05-30 11:33:15	Residential	1908 Scottwood Ave	Mechanical (Residential)	General HVAC	Installing the HVAC system in the new build (BLDG21-0560 in Trakit)		No			
MECHR22-2792	2023-10-18 09:28:19	Residential	214 W Kingsley St	Mechanical (Residential)	General HVAC	Install boiler, unico ac systems all ducting, kitchen exhaust make up air unit radiant in floor tubing vent 6 bath fans		No			
MECHR22-2768	2023-10-18	Residential	2008 Day St	Mechanical (Residential)	General HVAC	hvac install, geothermal water tanks		Yes			Geothermal
MECHR22-2696	2023-08-01	Residential	2733 Bristol Ridge Dr	Mechanical (Residential)	General HVAC	HVAC for new residence		No			
MECHR22-2580	2024-09-17 04:29:23	Residential	580 Kellogg St B	Mechanical (Residential)	General HVAC	Replacement furnace and air conditioner.		No			
MECHR22-2289	2025-07-19	Residential	961 Westwood Ave	Mechanical (Residential)	General HVAC	Replace Furnace and AC		No			
MECHR22-2169	2026-03-13	Residential	604 Brierwood Ct	Mechanical (Residential)	General HVAC	REPLACEMENT FURNACE AND AC SYSTEM		No			

Total Number of Applications or Pathways

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
T1R-1124	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: EIF KC Landfill Gas LLC (71155). Kansas City landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	Kansas	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF230L	45.31	CNGLF230LR	50.80	9/30/2016	Previous Tier 1 CNG030; 32.92	Bio-CNG	Clean Energy (5481)	EIF KC Landfill Gas LLC (71155)	Kansas City landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1103	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Pinnacle Gas Producers, LLC (71153). Ohio landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA	Ohio	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF224L	50.52	CNGLF224LR	56.01	9/30/2016	Previous Tier 1 CNG023; 27.62	Bio-CNG	Clean Energy (5481)	Pinnacle Gas Producers, LLC (71153)	Ohio landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA	None	Retired
T1R-1111	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Dallas Clean Energy McCommas Bluff (71009). Texas landfill gas to biomethane, delivered by pipeline, liquefied in Boron CA; re-gasified and compressed to CNG	Texas	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF227L	48.41	CNGLF227LR	53.90	9/30/2016	Previous Tier 1 CNG017; 35.11	Bio-CNG	Clean Energy (5481)	Dallas Clean Energy McCommas Bluff (71009)	Texas landfill gas to biomethane, delivered by pipeline, liquefied in Boron CA; regasified and compressed to CNG	None	Retired
T1N-1656	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154) Facility Name: East Texas Renewables (F2942): Greenwood Farms landfill gas (TX) to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California(Provisional)	Texas	Landfill Gas	Compressed Natural Gas	None	None	CNGLF252	38.62	6/27/2017	None	Bio-CNG	Shell Energy North America (6154)	East Texas Renewables (F2942)	Greenwood Farms landfill gas (TX) to pipelinequality biomethane; delivered via pipeline to CNG Stations in California(Provisional)	None	Retired
T1N-1383	Tier 1	2.0	Fuel Producer: Applied Natural Gas Fuels, Inc. (6174) Facility Name: Needle Mountain LNG PLant (95116). Texas landfill gas to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in Arizona; transported by trucks to California.	Texas	Landfill Gas - L-CNG	Compressed Natural Gas	None	None	CNGLF222	48.91	9/30/2016	None	Bio-CNG	Applied Natural Gas Fuels, Inc. (6174)	Needle Mountain LNG PLant (95116)	Texas landfill gas to pipelinequality biomethane; delivered via pipeline; liquefied to LNG in Arizona; transported by trucks to California	None	Retired
T1N-1541	Tier 1	2.0	Fuel Producer: Athens Services (A431) Facility Name: La Puente (V4048). River Birch landfill (Avondale, LA) gas to pipeline-quality biomethane; delivered via pipeline to La Puente California and compressed to CNG (Provisional)	Louisiana	Landfill Gas	Compressed Natural Gas	CNGLF239	39.46	CNGLF239R	43.44	2/6/2019	None	Bio-CNG	Athens Services (A431)	La Puente (V4048)	River Birch landfill (Avondale, LA) gas to pipelinequality biomethane; delivered via pipeline to La Puente California and compressed to CNG (Provisional)	None	Retired
T1R-1224	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Montana-Dakota Utilities Billings Regional Landfill (71193). Montana landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	Montana	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF231L	49.9	CNGLF231LR	55.39	9/30/2016	Previous Tier 1 CNG058; 51.88	Bio-CNG	Clean Energy (5481)	MontanaDakota Utilities Billings Regional Landfill (71193)	Montana landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1116	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Cedar Hills Landfill, Bio-Energy, LLC (71109). Washington landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Washington	Landfill Gas - CNG	Compressed Natural Gas	CNG009_1	13.67	CNGLF210L	30.90	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Cedar Hills Landfill, BioEnergy, LLC (71109)	Washington landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1117	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Cedar Hills Landfill, Bio-Energy, LLC (71109). Washington landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	Washington	Landfill Gas - CNG	Compressed Natural Gas	CNGLF229L	37.29	CNGLF229LR	42.78	9/30/2016	Previous Tier 1 CNG011; 20.23	Bio-CNG	Clean Energy (5481)	Cedar Hills Landfill, BioEnergy, LLC (71109)	Washington landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1119	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Complexe Enviro Progressive Itee (71198). Quebec landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	Canada	Landfill Gas - CNG	Compressed Natural Gas	CNGLF211L	38.56	CNGLF211LR	44.05	9/30/2016	Previous Tier 1 CNG049; 13.96	Bio-CNG	Clean Energy (5481)	Complexe Enviro Progressive Itee (71198)	Quebec landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1120	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Complexe Enviro Progressive Itee (71198). Quebec landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Canada	Landfill Gas - CNG	Compressed Natural Gas	CNG048	7.36	CNGLF212L	31.96	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Complexe Enviro Progressive Itee (71198)	Quebec landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1540	Tier 1	2.0	Fuel Producer: Athens Services (A431) Facility Name: Irwindale (V5355). River Birch landfill (Avondale, LA) gas to pipeline-quality biomethane; delivered via pipeline to Irwindale California and compressed to CNG (Provisional)	Louisiana	Landfill Gas	Compressed Natural Gas	CNGLF238	39.73	CNGLF238R	43.72	2/6/2019	None	Bio-CNG	Athens Services (A431)	Irwindale (V5355)	River Birch landfill (Avondale, LA) gas to pipelinequality biomethane; delivered via pipeline to Irwindale California and compressed to CNG (Provisional)	None	Retired
T1R-1100	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Westside Gas Producers LLC (71151). Michigan landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re gasified and compressed to L CNG in CA	Michigan	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF223L	51.80	CNGLF223LR	57.29	9/30/2016	Previous Tier 1 CNG032; 32.24	Bio-CNG	Clean Energy (5481)	Westside Gas Producers LLC (71151)	Michigan landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re gasified and compressed to L CNG in CA	None	Retired
T1N-1759	Tier 1	2.0	Fuel Producer: Questar Fueling Company (Q500) Facility Name: River Birch, LLC (Sharing) (K200W): River Birch landfill gas to pipeline-quality biomethane; delivered via pipeline to Questar CNG stations in Buttonwillow, California (Provisional)	Louisiana	Landfill Gas	Compressed Natural Gas	CNGLF245	40.62	CNGLF245R	43.98	2/6/2019	None	Bio-CNG	Questar Fueling Company (Q500)	River Birch, LLC (Sharing)(K200W)	River Birch landfill gas to pipelinequality biomethane; delivered via pipeline to Questar CNG stations in Buttonwillow, California (Provisional)	None	Retired

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T1R-1108	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Seneca Energy II, LLC (71156).New York landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	New York	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF226L	56.21	CNGLF226LR	61.70	9/30/2016	Previous Tier 1 CNG028; 34.15	Bio-CNG	Clean Energy (5481)	Seneca Energy II, LLC (71156)	New York landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1329	Tier 1	2.0	Fuel Producer: Applied Natural Gas Fuels, Inc. (6174) Facility Name: McCarty Road LFG Recovery Facility (71135). Texas landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in AZ; transported by trucks to California; re gasified and compressed to L CNG in CA	Texas	Landfill Gas - L-CNG	Compressed Natural Gas	CNG034	27.85	CNGLF234L	57.58	9/30/2016	None	Bio-CNG	Applied Natural Gas Fuels, Inc. (6174)	McCarty Road LFG Recovery Facility (71135)	Texas landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in AZ; transported by trucks to California; re gasified and compressed to L CNG in CA	None	Retired
T1R-1105	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: CERF Shelby LLC (71163). CERF Shelby landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re gasified and compressed to L CNG in CA	Tennessee	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF225L	57.72	CNGLF225LR	63.21	9/30/2016	Previous Tier 1 CNG035; 45.95	Bio-CNG	Clean Energy (5481)	CERF Shelby LLC (71163)	CERF Shelby landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re gasified and compressed to L CNG in CA	None	Retired
T1R-1318	Tier 1	2.0	Fuel Producer: San Diego Metropolitan Transit Center (S304) Facility Name: RiverBirch LLC (K2000). Louisiana landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA (Provisional)	Louisiana	Landfill Gas - CNG	Compressed Natural Gas	CNGLF215L	37.23	CNGLF215LR	43.06	2/6/2019	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	RiverBirch LLC (K2000)	Louisiana landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA (Provisional)	None	Retired
T1R-1319	Tier 1	2.0	Fuel Producer: San Diego Metropolitan Transit Center (S304) Facility Name: McCarty Road Landfill (L9416). Texas landfill gas to pipeline-quality biomethane, delivered via pipeline, compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	CNG042	19.82	CNGLF216L	38.02	9/30/2016	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	McCarty Road Landfill (L9416)	Texas landfill gas to pipelinequality biomethane, delivered via pipeline, compressed to CNG in CA	None	Retired
T1R-1110	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Dallas Clean Energy McCommas Bluff (71009). Texas landfill gas to biomethane; delivered by pipeline; compressed in CA	Texas	Landfill Gas	Compressed Natural Gas	CNG016	28.42	CNGLF208L	41.35	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Dallas Clean Energy McCommas Bluff (71009)	Texas landfill gas to biomethane; delivered by pipeline; compressed in CA	None	Retired
T1R-1322	Tier 1	2.0	Fuel Producer: San Diego Metropolitan Transit Center (S304) Facility Name: BFI Usine de Triage Lachenaie Ltd (C3779). Quebec, Canada landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Canada	Landfill Gas - CNG	Compressed Natural Gas	CNG045	7.04	CNGLF218L	32.27	9/30/2016	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	BFI Usine de Triage Lachenaie Ltd (C3779)	Quebec, Canada landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1324	Tier 1	2.0	Fuel Producer: San Diego Metropolitan Transit Center (S304) Facility Name: Cedar Hills Landfill, LLC (71136). Washington landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	California	Landfill Gas - CNG	Compressed Natural Gas	CNG010	13.36	CNGLF219L	30.50	9/30/2016	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	Cedar Hills Landfill, LLC (71136)	Washington landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1327	Tier 1	2.0	Fuel Producer: Applied Natural Gas Fuels, Inc. (6174) Facility Name: Needle Mountain LNG PLant (95116). North American NG, delivered via pipeline; liquefied in Topock, AZ; delivered via truck; re-gasified and compressed to L-CNG in CA	Arizona	North American NG - L CNG	Compressed Natural Gas	CNG015	76.87	CNGF202L	90.33	9/30/2016	None	Fossil CNG	Applied Natural Gas Fuels, Inc. (6174)	Needle Mountain LNG PLant (95116)	North American NG, delivered via pipeline; liquefied in Topock, AZ; delivered via truck; regasified and compressed to LCNG in CA	None	Retired
T1R-1333	Tier 1	2.0	Fuel Producer: Applied Natural Gas Fuels, Inc. (6174) Facility Name: Fresh Kills Landfill (71203). New York landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in Arizona; transported by trucks to California; re-gasified and compressed to L-CNG in CA	New York	Landfill Gas - L-CNG	Compressed Natural Gas	CNG046	32.24	CNGLF236L	59.34	9/30/2016	None	Bio-CNG	Applied Natural Gas Fuels, Inc. (6174)	Fresh Kills Landfill (71203)	New York landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in Arizona; transported by trucks to California; regasified and compressed to LCNG in CA	None	Retired
T1R-1281	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) Facility Name: Blue Skies Energy (71132). Michigan Landfill gas to pipeline-quality biomethane, delivered to Topock, AZ via pipeline for liquefaction; transported by truck to CA; re-gasified and compressed to L-CNG	Michigan	Landfill Gas - L-CNG	Compressed Natural Gas	CNG014	25.30	CNGLF232L	59.36	9/30/2016	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Blue Skies Energy (71132)	Michigan Landfill gas to pipelinequality biomethane, delivered to Topock, AZ via pipeline for liquefaction; transported by truck to CA; regasified and compressed to LCNG	None	Retired
T1R-1114	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: LES Renewable NG, LLC - SWACO Facility (71157). Ohio landfill gas to pipeline-quality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; re-gasified and compressed to L-CNG in CA	Ohio	Landfill Gas - L-CNG	Compressed Natural Gas	CNGLF228L	64.28	CNGLF228LR	71.31	9/30/2016	Previous Tier 1 CNG026; 35.31	Bio-CNG	Clean Energy (5481)	LES Renewable NG, LLC SWACO Facility (71157)	Ohio landfill gas to pipelinequality biomethane, delivered via pipeline, liquefied in CA; transported by trucks; regasified and compressed to LCNG in CA	None	Retired
T1R-1359	Tier 1	2.0	Fuel Producer: SunLine Transit Agency (S317) Facility Name: Sunline Transit (H2505). Quebec, Canada landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Canada	Landfill Gas - CNG	Compressed Natural Gas	CNG050	6.28	CNGLF220L	31.17	9/30/2016	None	Bio-CNG	SunLine Transit Agency (S317)	Sunline Transit (H2505)	Quebec, Canada landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1396	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Texas landfill gas to pipeline-quality biomethane, delivered via pipeline, compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	CNG043	24.49	CNGLF221L	38.02	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Texas landfill gas to pipelinequality biomethane, delivered via pipeline, compressed to CNG in CA	None	Retired
T1N-1320	Tier 1	2.0	Fuel Producer: Los Angeles County Metropolitan Transportation Authority (L440) Facility Name: LA Metro Aggregate (G0001). North American NG delivered via pipeline; compressed in CA	California	North American NG - CNG	Compressed Natural Gas	None	None	CNGF200	80.59	9/30/2016	None	Fossil CNG	Los Angeles County Metropolitan Transportation Authority (L440)	LA Metro Aggregate (G0001)	North American NG delivered via pipeline; compressed in CA	None	Retired

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T1N-1338	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Fort Bend landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF200	33.56	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Fort Bend landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1346	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Fort Bend landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF201	36.17	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Fort Bend landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1347	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Fort Bend landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF202	34.82	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Fort Bend landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1348	Tier 1	2.0	Fuel Producer: Pacific Gas and Electric Company (C460) Facility Name: PG&E CNG Fueling Stations (M4675). North American NG delivered via pipeline; compressed in California	California	North American NG	Compressed Natural Gas	None	None	CNGF204	80.59	11/2/2016	None	Fossil CNG	Pacific Gas and Electric Company (C460)	PG&E CNG Fueling Stations (M4675)	North American NG delivered via pipeline; compressed in California	None	Retired
T1N-1373	Tier 1	2.0	Fuel Producer: SunLine Transit Agency (S317) Facility Name: Sunline Transit (H2505). River Birch landfill gas to biomethane; delivered by pipeline; compressed in CA	Louisiana	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF203	37.77	9/30/2016	None	Bio-CNG	SunLine Transit Agency (S317)	Sunline Transit (H2505)	River Birch landfill gas to biomethane; delivered by pipeline; compressed in CA	None	Retired
T1R-1331	Tier 1	2.0	Fuel Producer: Applied Natural Gas Fuels, Inc. (6174) Facility Name: Fort Bend Landfill Recovery (71139). North American Landfill Gas to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in Arizona and transport to CA; re-gasified and compressed to L-CNG	Arizona	Landfill Gas - L-CNG	Compressed Natural Gas	CNG008_1	41.68	CNGLF235L	80.62	9/30/2016	None	Bio-CNG	Applied Natural Gas Fuels, Inc. (6174)	Fort Bend Landfill Recovery (71139)	North American Landfill Gas to pipelinequality biomethane; delivered via pipeline; liquefied to LNG in Arizona and transport to CA; regasified and compressed to LCNG	None	Retired
T1N-1397	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Fort Bend landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF204	33.85	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Fort Bend landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1398	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: Fort Bend Power Producers (shared facility) (7113s). Fort Bend landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Texas	Landfill Gas - CNG	Compressed Natural Gas	None	None	CNGLF205	34.38	9/30/2016	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers(shared facility)(7113s)	Fort Bend landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1399	Tier 1	2.0	Fuel Producer: GHI Energy, LLC (6156) Facility Name: GHI Energy, LLC (B8000). North American NG delivered via pipeline; compressed in CA	Texas	North American NG - CNG	Compressed Natural Gas	None	None	CNGF201	79.58	9/30/2016	None	Fossil CNG	GHI Energy, LLC (6156)	GHI Energy, LLC (B8000)	North American NG delivered via pipeline; compressed in CA	None	Retired
T1R-1123	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: EIF KC Landfill Gas LLC (71155). Kansas City landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Kansas	Landfill Gas	Compressed Natural Gas	CNG029	26.38	CNGLF213L	41.49	9/30/2016	None	Bio-CNG	Clean Energy (5481)	EIF KC Landfill Gas LLC (71155)	Kansas City landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1102	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Pinnacle Gas Producers, LLC (71153). Ohio landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Ohio	Landfill Gas	Compressed Natural Gas	CNG022	21.01	CNGLF206L	41.61	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Pinnacle Gas Producers, LLC (71153)	Ohio landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1661	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154) Facility Name: Cambrian Energy/Southtex Fort Smith Treaters (C5950); Fort Smith landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in Califimia **(Provisional)**	Arkansas	Landfill Gas	Compressed Natural Gas	None	None	CNGLF254	42.15	7/10/2017	None	Bio-CNG	Shell Energy North America (6154)	Cambrian Energy/Southtex Fort Smith Treaters (C5950)	Fort Smith landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in Califimia (Provisional)	None	Retired
T1N-1667	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154) Facility Name: Edinburg Renewables LLC (J8601): Edinburg landfill gas (TX) to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California**(Provisional)**	Texas	Landfill Gas	Compressed Natural Gas	None	None	CNGLF249	43.26	6/27/2017	None	Bio-CNG	Shell Energy North America (6154)	Edinburg Renewables LLC (J8601)	Edinburg landfill gas (TX)to pipelinequality biomethane; delivered via pipeline to CNG Stations in California(Provisional)	None	Retired
T1R-1223	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Montana-Dakota Utilities Billings Regional Landfill (71193). Montana landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Montana	Landfill Gas	Compressed Natural Gas	CNG057	45.24	CNGLF214L	46.65	9/30/2016	None	Bio-CNG	Clean Energy (5481)	MontanaDakota Utilities Billings Regional Landfill (71193)	Montana landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1R-1099	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Westside Gas Prodcuers LLC (71151). Michigan landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Michigan	Landfill Gas	Compressed Natural Gas	CNG031	25.62	CNGLF237L	47.40	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Westside Gas Prodcuers LLC (71151)	Michigan landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired

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T1N-1596	Tier 1	2.0	Fuel Producer: SunLine Transit Agency (S317) Facility Name: Sunline Transit (H2505). North American NG delivered via pipeline and compressed at Indio and Thousand Oaks California	California	North American NG	Compressed Natural Gas	None	None	CNGF203	78.21	11/2/2016	None	Fossil CNG	SunLine Transit Agency (S317)	Sunline Transit (H2505)	North American NG delivered via pipeline and compressed at Indio and Thousand Oaks California	None	Retired
T1R-1321	Tier 1	2.0	Fuel Producer: San Diego Metropolitan Transit Center (S304) Facility Name: Monroeville LFG, LLC (71136). Pennsylvania landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Pennsylvania	Landfill Gas	Compressed Natural Gas	CNG047	33.30	CNGLF217L	49.55	9/30/2016	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	Monroeville LFG, LLC (71136)	Pennsylvania landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1546	Tier 1	2.0	Fuel Producer: Athens Services (A431) Facility Name: Irwindale (V5355). Seneca Meadows solid waste landfill (Waterloo NY) gas to pipeline-quality biomethane; delivered via pipeline to Irwindale California and compressed to CNG	New York	Landfill Gas	Compressed Natural Gas	None	None	CNGLF241	50.37	11/2/2016	None	Bio-CNG	Athens Services (A431)	Irwindale (V5355)	Seneca Meadows solid waste landfill (Waterloo NY)gas to pipelinequality biomethane; delivered via pipeline to Irwindale California and compressed to CNG	None	Retired
T1R-1107	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Seneca Energy II, LLC (71156). New York landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	New York	Landfill Gas	Compressed Natural Gas	CNG027	27.53	CNGLF207L	52.77	9/30/2016	None	Bio-CNG	Clean Energy (5481)	Seneca Energy II, LLC (71156)	New York landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1647	Tier 1	2.0	Fuel Producer: Titan El Toro LLC (T153) Facility Name: Titan El Toro (T4201): North American NG delivered via pipeline; compressed in California	California	North American NG	Compressed Natural Gas	None	None	CNGF206	80.59	3/17/2017	None	Fossil CNG	Titan El Toro LLC (T153)	Titan El Toro (T4201)	North American NG delivered via pipeline; compressed in California	None	Retired
T1N-1626	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: Canton Renewables (71041): Sauk Trails Hills landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	Michigan	Landfill Gas	Compressed Natural Gas	None	None	CNGLF251	57.35	6/27/2017	None	Bio-CNG	Clean Energy (5481)	Canton Renewables (71041)	Sauk Trails Hills landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California	None	Retired
T1N-1545	Tier 1	2.0	Fuel Producer: Athens Services (A431) Facility Name: Irwindale (V5355). Landfill gas from SWACO landfill in Grove City, OH is transported via pipeline to Irwindale California and compressed to CNG	Ohio	Landfill Gas	Compressed Natural Gas	None	None	CNGLF240	58.21	11/2/2016	None	Bio-CNG	Athens Services (A431)	Irwindale (V5355)	Landfill gas from SWACO landfill in Grove City, OH is transported via pipeline to Irwindale California and compressed to CNG	None	Retired
T1R-1113	Tier 1	2.0	Fuel Producer: Clean Energy (5481) Facility Name: LES Renewable NG, LLC - SWACO Facility (71157). Ohio landfill gas to pipeline-quality biomethane; delivered via pipeline; compressed to CNG in CA	Ohio	Landfill Gas	Compressed Natural Gas	CNG025	28.68	CNGLF209L	60.92	9/30/2016	None	Bio-CNG	Clean Energy (5481)	LES Renewable NG, LLC SWACO Facility (71157)	Ohio landfill gas to pipelinequality biomethane; delivered via pipeline; compressed to CNG in CA	None	Retired
T1N-1651	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154); Facility Name: JDP Renewables (L6161); Jefferson David Parish Sanitary landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Louisiana	Landfill Gas	Compressed Natural Gas	None	None	CNGLF260	39.31	8/24/2017	None	Bio-CNG	Shell Energy North America (6154)	JDP Renewables (L6161)	Jefferson David Parish Sanitary landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1771	Tier 1	2.0	Fuel Producer: EM Gas Marketing, LLC (6287); Facility Name: Fresh Kills Landfill EMGM (7120t); Fresh Kills landfill gas to pipeline-quality biomethane; delivered via pipeline to Orange County Transportation Authority and TruStar CNG Stations in California	New York	Landfill Gas	Compressed Natural Gas	None	None	CNGLF262	37.13	8/29/2017	None	Bio-CNG	EM Gas Marketing, LLC (6287)	Fresh Kills Landfill EMGM (7120t)	Fresh Kills landfill gas to pipelinequality biomethane; delivered via pipeline to Orange County Transportation Authority and TruStar CNG Stations in California	None	Retired
T1N-1775	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Meadow Branch Landfill Gas Processing Facility (71252); Meadow Branch landfill gas to pipeline-quality biomethane; delivered via pipeline to Orange County Transportation Authority and TruStar CNG Stations in CA (Provisional)	Tennessee	Landfill Gas	CNG	CNGLF261	38.51	CNGLF261R	52.14	5/11/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Meadow Branch Landfill Gas Processing Facility (71252)	Meadow Branch landfill gas to pipelinequality biomethane; delivered via pipeline to Orange County Transportation Authority and TruStar CNG Stations in CA (Provisional)	None	Retired
T1N-1643	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: WM Renewable Energy of Ohio - American Landfill (71222); American landfill gas (Ohio) to pipeline-quality biomethane; delivered via pipeline to California CNG Stations	Ohio	Landfill Gas	Compressed Natural Gas	None	None	CNGLF264	43.97	9/5/2017	None	Bio-CNG	WM Renewable Energy, LLC (W978)	WM Renewable Energy of Ohio American Landfill (71222)	American landfill gas (Ohio)to pipelinequality biomethane; delivered via pipeline to California CNG Stations	None	Retired
T1N-1638	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: GSF Energy - Rumpke Landfill (71138); Rumpke landfill gas (OH) to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in AZ; re-gasified in CA	Ohio	Landfill Gas	Compressed Natural Gas	None	None	CNGLF268	67.17	12/21/2017	None	Bio-CNG	WM Renewable Energy, LLC (W978)	GSF Energy Rumpke Landfill (71138)	Rumpke landfill gas (OH)to pipelinequality biomethane; delivered via pipeline; liquefied to LNG in AZ; regasified in CA	None	Retired
T1N-1634	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: GSF Energy - Rumpke Landfill (71138); Rumpke landfill gas (Ohio) to pipeline-quality biomethane; delivered via pipeline to California CNG Stations	Ohio	Landfill Gas	Compressed Natural Gas	None	None	CNGLF265	52.32	12/1/2017	None	Bio-CNG	WM Renewable Energy, LLC (W978)	GSF Energy Rumpke Landfill (71138)	Rumpke landfill gas (Ohio)to pipelinequality biomethane; delivered via pipeline to California CNG Stations	None	Retired
T1N-1621	Tier 1	2.0	Fuel Producer: Clean Energy (5481); Facility Name: CERF Shelby LLC (71163) (Provisional); North Shelby landfill gas (TN) to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	Tennessee	Landfill Gas	CNG	CNGLF250	54.87	CNGLF250R	55.00	4/25/2018	None	Bio-CNG	Clean Energy (5481)	CERF Shelby LLC (71163)(Provisional)	North Shelby landfill gas (TN)to pipelinequality biomethane; delivered via pipeline to CNG Stations in California	None	Retired

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T1N-1625	Tier 1	2.0	Fuel Producer: Clean Energy (5481); Facility Name: CERF Shelby LLC (71163) (Provisional); North Shelby landfill gas to pipeline-quality biomethane; delivered via pipeline to Clean Energy Ehrenberg; re-gasified in California	California	Landfill Gas - L-CNG	CNG	CNGLF253	64.71	CNGLF253R	64.85	4/25/2018	None	Bio-CNG	Clean Energy (5481)	CERF Shelby LLC (71163)(Provisional)	North Shelby landfill gas to pipelinequality biomethane; delivered via pipeline to Clean Energy Ehrenberg; regasified in California	None	Retired
T1N-1812	Tier 1	2.0	Fuel Producer: Victor Valley Transit Authority (V056) ; Facility Name: River Birch Landfill (R7407); River Birch landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Texas	Landfill Gas	CNG	CNGLF269	40.73	CNGLF269R	44.33	2/6/2019	None	Bio-CNG	Victor Valley Transit Authority (V056)	River Birch Landfill (R7407)	River Birch landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1822	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154) ; Facility Name: Pine Hill Renewables, LLC (71288); Pine Hill landfill gas in Kilgore, TX to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Texas	Landfill Gas	CNG	None	None	CNGLF272	39.83	6/7/2018	None	Bio-CNG	Shell Energy North America (6154)	Pine Hill Renewables, LLC (71288)	Pine Hill landfill gas in Kilgore, TX to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1809	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Johnstown Regional Energy - Shade (71134); JRE's Shade landfill, Cairnbrook, PA gas in Pennsylvania to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Pennsylvania	Landfill Gas	CNG	None	None	CNGLF273	49.77	6/27/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy Shade (71134)	JRE's Shade landfill, Cairnbrook, PA gas in Pennsylvania to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1781	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Johnstown Regional Energy - Southern Alleghenies (71133); Southern Alleghenies (PA) landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Pennsylvania	Landfill Gas	CNG	None	None	CNGLF274	58.84	6/27/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy Southern Alleghenies (71133)	Southern Alleghenies (PA)landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1831	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Johnstown Regional Energy - Raeger (71131); Laurel Highlands (PA) landfill gas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Pennsylvania	Landfill Gas	CNG	None	None	CNGLF275	42.86	6/27/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy Raeger (71131)	Laurel Highlands (PA)landfill gas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1864	Tier 1	2.0	Fuel Producer: Shell Energy North America (6154) ; Facility Name: Melissa Renewables, LLC (71407); Melissa landfill gas in Melissa, TX to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Texas	Landfill Gas	Compressed Natural Gas	None	None	CNGLF276	40.63	9/24/2018	None	Bio-CNG	Shell Energy North America (6154)	Melissa Renewables, LLC (71407)	Melissa landfill gas in Melissa, TX to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1811	Tier 1	2.0	Fuel Producer: Fuel Producer: San Diego Metropolitan Transit Center (S304) ; Facility Name: Facility Name: EBI Energie In (71254); EBI landfill gas in Saint-Thomas, Quebec to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	California	Landfill Gas	CNG	None	None	CNGLF277	32.28	10/3/2018	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	EBI Energie In (71254)	EBI landfill gas in SaintThomas, Quebec to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T1N-1863	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Charleston Landfill Gas Processing Facility (71314); Landfill gas in Charleston, West Virginia to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	West Virginia	Landfill Gas	CNG	None	None	CNGLF278	66.55	10/9/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Charleston Landfill Gas Processing Facility (71314)	Landfill gas in Charleston, West Virginia to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
T2N-1248	Tier 2	2.0	Fuel Producer: California Renewable Power LLC (CARP) (C196) ; Facility Name: California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270); Tier 2 Method 2B Pathway; Biogas produced from the anaerobic digestion of 100% green waste in Perris, California, upgraded to biomethane onsite, injected into pipeline, and compressed to transportation fuel in California (Provisional)	California	HSAD Food & Green Waste	CNG	None	None	CNGGW201	0.34	12/20/2018	Application Package	Bio-CNG	California Renewable Power LLC (CARP) (C196)	California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270)	Tier 2 Method 2B Pathway; Biogas produced from the anaerobic digestion of 100% green waste in Perris, California, upgraded to biomethane onsite, injected into pipeline, and compressed to transportation fuel in California (Provisional)	None	Retired
T1N-1883	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Cambrian Energy (C5950S); Landfill gas from Fort Smith, Arkansas to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Arkansas	Landfill Gas	CNG	None	None	CNGLF279	44.51	12/31/2018	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Cambrian Energy (C5950S)	Landfill gas from Fort Smith, Arkansas to pipelinequality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
B001101	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Ruckman Farm (71256); Renewable Natural Gas (RNG) sourced from Swine Manure of Ruckman Farms, Albany, Missouri; RNG pipelined to Los Angeles, California (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B00110100	-372.35	4/10/2019	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Ruckman Farm (71256)	Renewable Natural Gas (RNG)sourced from Swine Manure of Ruckman Farms, Albany, Missouri; RNG pipelined to Los Angeles, California (Provisional)	None	Retired
A007201	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Shreveport Biogas (70121); Landfill gas from Shreveport, Louisiana to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Louisiana	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A00720100	40.37	5/29/2019	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Shreveport Biogas (70121)	Landfill gas from Shreveport, Louisiana to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired
A011001	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Ameresco Woodland Meadows Romulus, LLC (A0833); Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California (Provisional)	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01100100	46.54	5/29/2019	None	Bio-CNG	U.S. Venture, Inc. (5504)	Ameresco Woodland Meadows Romulus, LLC (A0833)	Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California (Provisional)	None	Retired
A009501	Tier 1	3.0	Fuel Producer: Clean Energy (5481); Facility Name: CEFARI RNG OKC, LLC (F00022); Landfill gas processes at CEFARI facility from Southwest Oklahoma City, Oklahoma to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	Oklahoma	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A00950100	51.74	6/3/2019	None	Bio-CNG	Clean Energy (5481)	CEFARI RNG OKC, LLC (F00022)	Landfill gas processes at CEFARI facility from Southwest Oklahoma City, Oklahoma to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (Provisional)	None	Retired

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A013601	Tier 1	3.0	Fuel Producer: Shell Energy North America (6154); Facility Name: Live Oak Landfill Gas Plant (70002); Live Oak Landfill Gas plant landfill gas to pipelie-quality biomethane in Conley, GA; Delivered via pipeline; Compressed to CNG in California (Provisional)	Georgia	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01360100	44.64	9/25/2019	None	Bio-CNG	Shell Energy North America (6154)	Live Oak Landfill Gas Plant (70002)	Live Oak Landfil Gas plant landfill gas to pipelie-quality biomethane in Conley, GA; Delivery via pipeline; Compressed to CNG in California (Provisional)	None	Retired
A013201	Tier 1	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Northeast Mississippi Landfill Gas Recovery Project (71317); Mississippi Landfill Gas to pipeline-quality biomethane in Walnut, MS; Delivered via pipeline; Compressed to CNG in California (Provisional)	Mississippi	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01320100	40.08	9/30/2019	None	Bio-CNG	Clean Energy (5481)	Northeast Mississippi Landfill Gas Recovery Project (71317)	Mississippi Landfill Gas to pipeline-quality biomethane in Walnut, MS; Delivered via pipeline; Compressed to CNG in California (Provisional)	None	Retired
A015401	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Outer Loop High Btu Gas Plant (71316); Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California (Provisional)	Kentucky	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01540100	54.66	11/5/2019	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Outer Loop High Btu Gas Plant (71316)	Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California (Provisional)	None	Retired
T2N-1019	Tier 2	2.0	Biomethane produced from the high-solids (greater than 15 percent total solids) anaerobic digestion of food and green wastes; compressed in CA	California	HSAD Food & Green Waste	Compressed Natural Gas	None	None	CNG005_1	-22.93	9/25/2018	None	Bio-CNG	Blue Line Transfer, Inc. (L500)	Blue Line Transfer, Inc. (B1725)	Biomethane produced from the highsolids (greater than 15 percent total solids)anaerobic digestion of food and green wastes; compressed in CA	None	Retired
None	Lookup Table	2.0	Biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a California publicly owned treatment works; on-site, high speed vehicle fueling or injection of fuel into a pipeline for off-site fueling; export to the grid of surplus cogenerated electricity.	NA	Waste Water	Compressed Natural Gas (CNG)	None	None	CNG020_1	7.75	NA	None	Bio-CNG	NA	NA	Biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a California publicly owned treatment works; on-site, high speed vehicle fueling or injection of fuel into a pipeline for off-site fueling; export to the grid of surplus cogenerated electricity.	None	Retired
None	Lookup Table	2.0	Biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a California publicly owned treatment works; on-site, high speed vehicle fueling or injection of fuel into a pipeline for off-site fueling.	NA	Waste Water	Compressed Natural Gas (CNG)	None	None	CNG021_1	30.92	NA	None	Bio-CNG	NA	NA	Biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a California publicly owned treatment works; on-site, high speed vehicle fueling or injection of fuel into a pipeline for off-site fueling.	None	Retired
T1N-1809	Tier 1	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Johnstown Regional Energy - Shade (71134); JRE's Shade landfill, Cairnbrook, PA gas in Pennsylvania to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	Pennsylvania	Landfill Gas	CNG	CNGLF273	49.77	CNGLF273R	52.94	12/18/2019	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy - Shade (71134)	JRE's Shade landfill, Cairnbrook, PA gas in Pennsylvania to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	None	Retired
A017601	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311) ; Facility Name: Meadow Branch (A2316); Landfill Gas generated at the Meadow Branch Landfill; upgraded to pipeline-quality biomethane in Athens, Tennesse; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01760100	49.24	12/18/2019	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Meadow Branch (A2316)	Landfill Gas generated at the Meadow Branch Landfill; upgraded to pipeline-quality biomethane in Athens, Tennesse; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	None	Retired
A011501	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Ameresco San Antonio Biogas (71204); Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNGWW201	43.02	CNG030A01150100	37.33	12/19/2019	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Ameresco San Antonio Biogas (71204)	Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	None	Retired
A016001	Tier 1	3.0	Fuel Producer: logen D3 Biofuel Partners LLC (6486); Facility Name: GSF Energy-Rumpke Landfill (71138S); Landfill Gas generated at the Rumpke Landfill; upgraded to pipeline-quality biomethane in Cincinnati, Ohio; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01600100	44.90	12/20/2019	None	Bio-CNG	logen D3 Biofuel Partners LLC (6486)	GSF Energy-Rumpke Landfill (71138S)	Landfill Gas generated at the Rumpke Landfill; upgraded to pipeline-quality biomethane in Cincinnati, Ohio; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	None	Retired
A019501	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060); Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A01950100	43.37	12/31/2019	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060)	Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	None	Retired
T2N-1156	Tier 2	2.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Ameresco San Antonio Biogas (71204); Tier 2 Method 2B Pathway: Pipeline quality biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a POTW using grid-based electricity, and delivered to CNG dispensing stations in California via pipeline	Texas	Waste Water	CNG	None	None	CNGWW201	43.02	3/16/2018	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Ameresco San Antonio Biogas (71204)	Tier 2 Method 2B Pathway Pipeline quality biomethane produced from the mesophillic anaerobic digestion of wastewater sludge at a POTW using gridbased electricity, and delivered to CNG dispensing stations in California via pipeline	None	Retired
T1N-1814	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978) ; Facility Name: Milam High Btu Gas Plant (71208); Waste Management's Milam landfill, St. Louis, Illinois gas to pipeline-quality biomethane; delivered via pipeline to WM fueling stations in California (Provisional)	Illinois	Landfill Gas	CNG	None	None	CNGLF270	62.72	6/1/2018	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Milam High Btu Gas Plant (71208)	Waste Management's Milam landfill, St Louis, Illinois gas to pipelinequality biomethane; delivered via pipeline to WM fueling stations in California (Provisional)	None	Retired
T1N-1816	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978) ; Facility Name: Milam High Btu Gas Plant (71208); Waste Management's Milam landfill, St. Louis, Illinois gas to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in AZ; Re-gasified and compressed in California. (Provisional)	Illinois	Landfill Gas	CNG	None	None	CNGLF271	78.68	6/1/2018	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Milam High Btu Gas Plant (71208)	Waste Management's Milam landfill, St Louis, Illinois gas to pipelinequality biomethane; delivered via pipeline; liquefied to LNG in AZ; Regasified and compressed in California(Provisional)	None	Retired
B000901	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Locust Ridge Farm (71298); Renewable Natural Gas (RNG) sourced from Swine Manure of Locust Farms, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B00090100	-323.83	1/31/2020	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Locust Ridge Farm (71298)	Renewable Natural Gas (RNG) sourced from Swine Manure of Locust Farms, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	None	Retired
B001001	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) sourced from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B00100100	-345.68	1/31/2020	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) sourced from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	None	Retired

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T1R-1119	Tier 1	2.0	Fuel Producer: Clean Energy (5481); Facility Name: Complexe Enviro Progressive Itee (71198); Quebec LFG to LNG then to L-CNG	California	Landfill Gas	CNG	CNGLF211LR	44.05	CNGLF211LR1	44.07	3/30/2020	None	Bio-CNG	Clean Energy (5481)	Complexe Enviro Progressive Itee (71198)	Quebec LFG to LNG then to L-CNG	None	Retired
T1R-1120	Tier 1	2.0	Fuel Producer: Clean Energy (5481); Facility Name: Complexe Enviro Progressive Itee (71198); Quebec LFG to CNG for California CNG stations	California	Landfill Gas	CNG	CNGLF212L	31.96	CNGLF212LR	31.98	3/30/2020	None	Bio-CNG	Clean Energy (5481)	Complexe Enviro Progressive Itee (71198)	Quebec LFG to CNG for California CNG stations	None	Retired
T1N-1811	Tier 1	2.0	Fuel Producer: Fuel Producer: San Diego Metropolitan Transit Center (S304) ; Facility Name: Facility Name: EBI Energie In (71254); EBI landfill gas in Saint-Thomas, Quebec to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	California	Landfill Gas	CNG	CNGLF277	32.28	CNGLF277R	37.39	4/2/2020	None	Bio-CNG	San Deigo Metropolitan Transit Center (S304)	EBI Energie In (71254)	EBI landfill gas in Saint-Thomas, Quebec to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	None	Retired
A021901	Tier 1	3.0	Fuel Producer: EBI ENERGIE INC. (6459); Facility Name: SAINT-THOMAS BIOMETHANE PLANT (71254); Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc, pipelined to California for compression to CNG (Provisional)	Canada	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02190100	38.64	6/22/2020	None	Bio-CNG	EBI ENERGIE INC. (6459)	SAINT-THOMAS BIOMETHANE PLANT (71254)	Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc in Quebec, Canada; pipelined to California for compression to CNG (Provisional)	None	Retired
A020001	Tier 1	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Waste Management American Landfill (70421); Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel. (Provisional)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF264	43.97	CNG025A02000100	40.13	6/29/2020	None	Bio-CNG	GHI Energy, LLC (6156)	Waste Management American Landfill (70421)	Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel. (Provisional)	None	Retired
B009801	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Circle A digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980100	-355.35	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Circle A digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (Provisional)	None	Retired
B009802	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980200	-377.83	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	None	Retired
B009805	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980500	-368.04	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	None	Retired
B009806	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980600	-374.10	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	None	Retired
A023201	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG. (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02320100	43.15	7/24/2020	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG. (Provisional)	None	Retired
A023301	Tier 1	3.0	Fuel Producer: RENEWABLE POWER PRODUCERS, LLC (6504); Facility Name: RENEWABLE POWER PRODUCERS, LLC (71289); Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG (Provisional)	Kansas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02330100	45.91	7/24/2020	None	Bio-CNG	RENEWABLE POWER PRODUCERS, LLC (6504)	RENEWABLE POWER PRODUCERS, LLC (71289)	Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG (Provisional)	None	Retired
B005801	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) produced from Dairy Manure at T&M Bos Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California for transportation use (Provisional)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00580100	-167.04	12/31/2019	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) produced from Dairy Manure at T&M Bos Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California for transportation use (Provisional)	None	Retired
B005802	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure at T&M Heremna Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California (Provisional)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00580200	-151.41	12/31/2019	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure at T&M Heremna Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California (Provisional)	None	Retired
B005803	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure at T&M Windy Ridge Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California for transportation use (Provisional)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00580300	-257.78	12/31/2019	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure at T&M Windy Ridge Dairy and upgraded to RNG at Generate Jasper Upgrader in Fair Oaks, Indiana; RNG pipelined to California for transportation use (Provisional)	None	Retired
B006001	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) sourced from Dairy Manure of Fair Oak Farms and upgraded to RNG at Generate Fair Oaks Upgrader in Fair Oaks, Indiana; RNG pipelined to California (Provisional)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00600100	-255.74	2/24/2020	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) sourced from Dairy Manure of Fair Oak Farms and upgraded to RNG at Generate Fair Oaks Upgrader in Fair Oaks, Indiana; RNG pipelined to California (Provisional)	None	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
T1N-1671	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Valley LFG, LLC (7137); Valley landfill gas (PA) to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in AZ; re-gasified in CA.	Pennsylvania	Landfill Gas	Compressed Natural Gas	CNGLF266	69.47	CNGLF266R	72.91	9/22/2020	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Valley LFG, LLC (71137)	Valley landfill gas (PA) to pipeline-quality biomethane; delivered via pipeline; liquefied to LNG in AZ; re-gasified in CA.	None	Retired
T1N-1669	Tier 1	2.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Valley LFG, LLC (7137); Valley landfill gas (PA) to pipeline-quality biomethane; delivered via pipeline to California CNG Stations	Pennsylvania	Landfill Gas	Compressed Natural Gas	CNGLF267	54.61	CNGLF267R	57.83	9/22/2020	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Valley LFG, LLC (71137)	Valley landfill gas (PA) to pipeline-quality biomethane; delivered via pipeline to California CNG Stations	None	Retired
A024701	Tier 1	3.0	Fuel Producer: CANTON RENEWABLES, LLC (5896) ; Facility Name: CANTON RENEWABLES, LLC (71041); Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02470100	49.78	10/13/2020	None	Bio-CNG	CANTON RENEWABLES, LLC (5896)	CANTON RENEWABLES, LLC (71041)	Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	None	Retired
B007201	Tier 2	3.0	Fuel Producer: IOGEN D3 BIOFUEL PARTNERS II LLC (7180); Facility Name: WOF PNW Threemile Project (F00100); Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use (Provisional)	Oregon	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00720100	-188.78	9/30/2020	Application Package	Bio-CNG	IOGEN D3 BIOFUEL PARTNERS II LLC (7180)	WOF PNW Threemile Project (F00100)	Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010901	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01090100	-453.10	9/30/2020	Application Package	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010902	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01090200	-308.48	9/30/2020	Application Package	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010903	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01090300	-236.96	9/30/2020	Application Package	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (Provisional)	None	Retired
B009601	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Dairy Dreams (F00127); Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00960100	-532.74	9/30/2020	Application Package	Bio-CNG	Clean Energy (5481)	Calumet - Dairy Dreams (F00127)	Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use (Provisional)	None	Retired
B009701	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Ponderosa (F00128); Renewable Natural Gas (RNG) produced from Dairy Manure at Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00970100	-372.20	9/30/2020	Application Package	Bio-CNG	Clean Energy (5481)	Calumet - Ponderosa (F00128)	Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010801	Tier 2	3.0	Fuel Producer: AgPower Jerome, LLC (C1036); Facility Name: AgPower Jerome RNG Project (F00077); Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use (Provisional)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01080100	-230.13	9/30/2020	Application Package	Bio-CNG	AgPower Jerome, LLC (C1036)	AgPower Jerome RNG Project (F00077)	Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use (Provisional)	None	Retired
A024201	Tier 1	3.0	Fuel Producer: CERF SHELBY LLC (6228); Facility Name: CERF SHELBY LLC (71163); Biomethane from Landfill at Millington, Tennessee upgrading at CERF Shelby LLC, pipelined to California for compression to CNG	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF250	54.87	CNG025A02420100	47.53	10/29/2020	None	Bio-CNG	CERF SHELBY LLC (6228)	CERF SHELBY LLC (71163)	Biomethane from Landfill at Millington, Tennessee upgrading at CERF Shelby LLC, pipelined to California for compression to CNG	None	Retired
A024101	Tier 1	3.0	Fuel Producer: COMPLEXE ENVIRO CONNEXIONS LTEE (6282); Facility Name: Complexe Enviro Connexions (F00139); Biomethane from Landfill at Quebec Canada, upgrading at Complexe Enviro Connexions Ltée, pipelined to California for compression to CNG (Provisional)	Canada	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02410100	29.92	11/12/2020	None	Bio-CNG	COMPLEXE ENVIRO CONNEXIONS LTEE (6282)	Complexe Enviro Connexions (F00139)	Biomethane from Landfill at Quebec Canada, upgrading at Complexe Enviro Connexions Ltée, pipelined to California for compression to CNG (Provisional)	None	Retired
A024301	Tier 1	3.0	Fuel Producer: LES RENEWABLE NG LLC (6223); Facility Name: LES RENEWABLE NG LLC (71157); Biomethane from SWACO Landfill in Grove City, Ohio, upgrading at LES Renewable NG LLC, pipelined to California for compression to CNG	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02430100	60.40	11/19/2020	None	Bio-CNG	LES RENEWABLE NG LLC (6223)	LES RENEWABLE NG LLC (71157)	Biomethane from SWACO Landfill in Grove City, Ohio, upgrading at LES Renewable NG LLC, pipelined to California for compression to CNG	None	Retired
B010201	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020100	-408.6	CNG026B01020101	-408.62	12/3/2020	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010202	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01020200	-289.76	12/3/2020	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	None	Retired

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B010203	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Etter Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01020300	-308.74	12/3/2020	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Etter Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	None	Retired
B012701	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01270100	-417.35	12/31/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	None	Retired
B012702	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007) ; Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01270200	-417.27	12/31/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	None	Retired
B012703	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01270300	-418.90	12/31/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	None	Retired
B012704	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01270400	-392.44	12/31/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (Provisional)	None	Retired
B010201	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020100	408.60	CNG026B01020101	408.62	12/3/2020	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (Provisional)	None	Retired
A027401	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504) ; Facility Name: Renovar Arlington, LTD RNG Project (70501); Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (Provisional)	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A02740100	38.37	3/1/2021	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (Provisional)	None	Retired
A029801	Tier 1	3.0	Fuel Producer: PUGET SOUND ENERGY (6055); Facility Name: CEDAR HILLS LANDFILL RECOVERY GAS PROJECT (71109); Biomethane from Cedar Hills Landfill at Maple Valley, Washington upgrading at Puget Sound Energy, pipelined to California for compression to CNG (Provisional)	Washington	Landfill Gas (025)	Compressed Natural Gas (CNG)	LNGLF206LR	40.21	CNG025A02980100	28.24	3/12/2021	None	Bio-CNG	PUGET SOUND ENERGY (6055)	CEDAR HILLS LANDFILL RECOVERY GAS PROJECT (71109)	Biomethane from Cedar Hills Landfill at Maple Valley, Washington upgrading at Puget Sound Energy, pipelined to California for compression to CNG (Provisional)	None	Retired
A026701	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Johnstown Regional Energy - Raeger (71131); Biomethane from Johnstown Regional Energy - Raeger Landfill in Johnstown, Pennsylvania, pipelined to California for compression to CNG (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF275	42.86	CNG025A02670100	35.51	3/18/2021	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy - Raeger (71131)	Biomethane from Johnstown Regional Energy - Raeger Landfill in Johnstown, Pennsylvania, pipelined to California for compression to CNG (Provisional)	None	Retired
A026203	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Johnstown Regional Energy - Shade (71134); Biomethane from Johnstown Regional Energy - Shade Landfill in Cairnbrook, Pennsylvania, pipelined to California for compression to CNG (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF273R	49.77	CNG025A02620300	52.21	3/18/2021	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy - Shade (71134)	Biomethane from Johnstown Regional Energy - Shade Landfill in Cairnbrook, Pennsylvania, pipelined to California for compression to CNG (Provisional)	None	Retired
A026403	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Johnstown Regional Energy - Southern Alleghenies (71133); Biomethane from Johnstown Regional Energy - Southern Alleghenies Landfill in Davidsville, Pennsylvania, pipelined to California for compression to CNG (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF274	58.84	CNG025A02640300	60.28	3/17/2021	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Johnstown Regional Energy - Southern Alleghenies (71133)	Biomethane from Johnstown Regional Energy - Southern Alleghenies Landfill in Davidsville, Pennsylvania, pipelined to California for compression to CNG (Provisional)	None	Retired
A030601	Tier 1	3.0	Fuel Producer: MONROEVILLE LFG, LLC (6317); Facility Name: MONROEVILLE LFG, LLC (71136); Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A03060100	41.93	4/6/2021	None	Bio-CNG	MONROEVILLE LFG, LLC (6317)	MONROEVILLE LFG, LLC (71136)	Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG (Provisional)	None	Retired
A034701	Tier 1	3.0	Fuel Producer: SENECA ENERGY II, LLC (6222); Facility Name: SENECA ENERGY (71156); Biomethane from biogas produced at the Seneca Meadows Landfill in Waterloo, New York; upgraded at Seneca Energy II facility; pipelined to California for compression to CNG. (Provisional)	New York	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF207L	52.77	CNG025A03470100	44.49	6/10/2021	None	Bio-CNG	SENECA ENERGY II, LLC (6222)	SENECA ENERGY (71156)	Biomethane from biogas produced at the Seneca Meadows Landfill in Waterloo, New York; upgraded at Seneca Energy II facility; pipelined to California for compression to CNG. (Provisional)	None	Retired
A030401	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Point Loma Digester Gas Project (F00027); Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. (Provisional)	California	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A03040100	30.31	6/14/2021	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Point Loma Digester Gas Project (F00027)	Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. (Provisional)	None	Retired
A034601	Tier 1	3.0	Fuel Producer: PINNACLE GAS PRODUCERS, LLC (6220); Facility Name: PINNACLE GAS PRODUCERS, LLC (71153); Biomethane from Pinnacle Road Landfill at Moraine, Ohio; Stony Hollow Landfill: Dayton; upgrading at Pinnacle Gas Producers, LLC, pipelined to California for compression to CNG	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF206L	41.61	CNG025A03460100	63.75	6/16/2021	None	Bio-CNG	PINNACLE GAS PRODUCERS, LLC (6220)	PINNACLE GAS PRODUCERS, LLC (71153)	Biomethane from Pinnacle Road Landfill at Moraine, Ohio; Stony Hollow Landfill: Dayton; upgrading at Pinnacle Gas Producers, LLC, pipelined to California for compression to CNG	None	Retired

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A034501	Tier 1	3.0	Fuel Producer: WESTSIDE GAS PRODUCERS, LLC (6218); Facility Name: WESTSIDE GAS PRODUCERS, LLC (7115I); Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG.	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF237L	47.40	CNG025A03450100	52.66	6/16/2021	None	Bio-CNG	WESTSIDE GAS PRODUCERS, LLC (6218)	WESTSIDE GAS PRODUCERS, LLC (7115I)	Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG.	None	Retired
B014301	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B00100100	-345.68	CNG044B01430100	-429.05	6/29/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	None	Retired
B014901	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: South Meadows Farm (F00195); Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B01490100	-359.66	6/29/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	South Meadows Farm (F00195)	Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (Provisional)	None	Retired
B019101	Tier 2	3.0	Fuel Producer: California Renewable Power LLC/C196); Facility Name: California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270); Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles. (Provisional)	California	Urban Landscaping Waste (028)	Compressed Natural Gas (CNG)	None	None	CNG028B01910100	2.51	6/29/2021	Application Package	Bio-CNG	California Renewable Power LLC(C196)	California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270)	Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles. (Provisional)	None	Retired
A037501	Tier 1	3.0	Fuel Producer: BLUE SOURCE LLC (6086); Facility Name: Seabreeze Energy Producers (70281); Biomethane from Landfill in Angleton, Texas upgrading at Seabreeze Energy Producers, pipelined to California for compression to CNG (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A03750100	37.82	8/20/2021	None	Bio-CNG	BLUE SOURCE LLC (6086)	Seabreeze Energy Producers (70281)	Biomethane from Landfill in Angleton, Texas upgrading at Seabreeze Energy Producers, pipelined to California for compression to CNG (Provisional)	None	Retired
B018701	Tier 2	3.0	Fuel Producer: Dry Creek RNG LLC (C1098); Facility Name: Dry Creek RNG Project (F00342); Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (Provisional)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01870100	-435.22	9/30/2021	Application Package	Bio-CNG	Dry Creek RNG LLC (C1098)	Dry Creek RNG Project (F00342)	Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B021401	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Milford Farm (71483); Renewable Natural Gas (RNG) from Swine Manure from the South Cluster of Milford Farm, Milford, UT; RNG pipelined to multiple California fueling stations (Provisional)	Utah	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B02140100	-413.67	9/30/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Milford Farm (71483)	Renewable Natural Gas (RNG) from Swine Manure from the South Cluster of Milford Farm, Milford, UT; RNG pipelined to multiple California fueling stations (Provisional)	None	Retired
B021901	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877) ; Facility Name: HOMAN FARM (71343); RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B02190100	-412.71	9/30/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	HOMAN FARM (71343)	RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use (Provisional)	None	Retired
B016501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use (Provisional)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020200	-289.76	CNG026B01650100	-406.35	9/30/2021	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B018501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01850100	-389.66	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B018502	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01850200	-388.91	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B019801	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01980100	-388.29	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
A038001	Tier 1	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Fort Bend Power Producers (shared facility) (7113s); Biomethane from Fort Bend Regional Landfill in Needville, Texas, pipelined to California for compression to CNG.	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A03800100	34.94	11/4/2021	None	Bio-CNG	GHI Energy, LLC (6156)	Fort Bend Power Producers (shared facility) (7113s)	Biomethane from Fort Bend Regional Landfill in Needville, Texas, pipelined to California for compression to CNG.	None	Retired
A041601	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Greentree Landfill Gas Company (F00212); Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG.	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04160100	66.18	11/23/2021	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Greentree Landfill Gas Company (F00212)	Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG.	None	Retired

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B020701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02070100	-135.37	12/29/2021	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (Provisional)	None	Retired
B020702	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02070200	-211.01	12/29/2021	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (Provisional)	None	Retired
B022001	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: SOMERSET FARM (71381); Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02200100	-345.80	CNG044B02200101	-410.57	12/31/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	SOMERSET FARM (71381)	Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B021601	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: KEWAUNEE RENEWABLE ENERGY, LLC (71003); Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02160100	-382.83	3/30/2022	Application Package	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	KEWAUNEE RENEWABLE ENERGY, LLC (71003)	Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	None	Retired
B021701	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: NEW CHESTER RENEWABLE ENERGY, LLC (71181); Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02170100	-303.92	3/30/2022	Application Package	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	NEW CHESTER RENEWABLE ENERGY, LLC (71181)	Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	None	Retired
A045501	Tier 1	3.0	Fuel Producer: BLUE SOURCE LLC (6086) ; Facility Name: Theresa Street Water Resource Recovery Facility (F00343); Biomethane from Waste Water Treatment Plant in Lincoln Nebraska, pipelined to California, compressed to CNG as indirect accounting of RNG dispensed in California (Provisional)	Nebraska	Wastewater Sludge (030	Compressed Natural Gas (CNG)	None	None	CNG030A04550100	43.12	4/14/2022	None	Bio-CNG	BLUE SOURCE LLC (6086)	Theresa Street Water Resource Recovery Facility (F00343)	Biomethane from Waste Water Treatment Plant in Lincoln Nebraska, pipelined to California, compressed to CNG as indirect accounting of RNG dispensed in California (Provisional)	None	Retired
A016001	Tier 1	3.0	Fuel Producer: logen D3 Biofuel Partners LLC (6486); Facility Name: GSF Energy-Rumpke Landfill (71138S); Landfill Gas generated at the Rumpke Landfill; upgraded to pipeline-quality biomethane in Cincinnati, Ohio; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01600100	44.90	CNG025A01600102	45.59	12/20/2019	None	Bio-CNG	logen D3 Biofuel Partners LLC (6486)	GSF Energy-Rumpke Landfill (71138S)	Landfill Gas generated at the Rumpke Landfill; upgraded to pipeline-quality biomethane in Cincinnati, Ohio; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	2021 AFPR Recert Complete	Retired
None	Lookup Table	3.0	Compressed Natural Gas from Pipeline Average North Amer	NA	North American Fossil NG (031)	Compressed Natural Gas (CNG)	None	None	CNG000L00072019	79.21	NA	None	Fossil CNG	NA	NA	Compressed Natural Gas from Pipeline Average North American Fossil Natural Gas	None	Retired
A016601	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Milam High Btu Gas Plant (71208); East Saint Louis Landfill Gas to pipeline-quality biomethane in Saint Louis, Illinois; Delivered via pipeline; Compression to CNG stations in California	Illinois	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF270	62.72	CNG025A01660100	60.09	12/20/2019	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Milam High Btu Gas Plant (71208)	East Saint Louis Landfill Gas to pipeline-quality biomethane in Saint Louis, Illinois; Delivered via pipeline; Compression to CNG stations in California	None	
A020701	Tier 1	3.0	Fuel Producer: MEM RNG, LLC (2141); Facility Name: Blue Ridge Landfill, LLC (F00132); Biomethane from Blue Ridge Landfill in Fresno, Texas; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02070100	38.07	6/16/2020	None	Bio-CNG	MEM RNG, LLC (2141)	Blue Ridge Landfill, LLC (F00132)	Biomethane from Blue Ridge Landfill in Fresno, Texas; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel (Provisional)	None	Retired
A021801	Tier 1	3.0	Fuel Producer: PUBLIC UTILITY DISTRICT NO. 1 OF KLICKITAT COUNTY (2080); Facility Name: H.W. HILL RENEWABLE NATURAL GAS PROJECT (70301); Biomethane from Landfill in Roosevelt, Washington; upgrading at Public Utility District No. 1 of Klickitat County, pipelined to California for compression to CNG (Provisional)	Washington	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A02180100	37.19	6/22/2020	None	Bio-CNG	PUBLIC UTILITY DISTRICT NO. 1 OF KLICKITAT COUNTY (2080)	H.W. HILL RENEWABLE NATURAL GAS PROJECT (70301)	Biomethane from Landfill in Roosevelt, Washington; upgrading at Public Utility District No. 1 of Klickitat County, pipelined to California for compression to CNG (Provisional)	None	Retired
B009803	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980300	-192.49	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (Provisional)	None	Retired
B009804	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00980400	-323.10	6/30/2020	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (Provisional)	None	Retired
A017101	Tier 1	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNGDD201	-254.94	CNG026A01710100	-329.76	12/24/2019	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California	None	Retired
A031001	Tier 1	3.0	Fuel Producer: River Birch, LLC (C1065); Facility Name: River Birch Landfill (F00278); Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG (Provisional)	Louisiana	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A03100100	41.18	3/18/2021	None	Bio-CNG	River Birch, LLC (C1065)	River Birch Landfill (F00278)	Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG (Provisional)	None	Retired

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B012301	Tier 2	3.0	Fuel Producer: South San Francisco Scavengers (S283); Facility Name: South San Francisco Scavenger Company (J0500); Renewable Natural Gas (RNG) produced from Food Scraps and upgraded at South San Francisco Scavenger Company facility in South San Francisco California; RNG used for onsite fueling	California	Food Scraps/Waste (027)	Compressed Natural Gas (CNG)	None	None	CNG027B01230100	-79.91	3/29/2021	Application Package	Bio-CNG	South San Francisco Scavengers (S283)	South San Francisco Scavenger Company (J0500)	Renewable Natural Gas (RNG) produced from Food Scraps and upgraded at South San Francisco Scavenger Company facility in South San Francisco California; RNG used for onsite fueling	None	
B012302	Tier 2	3.0	Fuel Producer: South San Francisco Scavengers (S283); Facility Name: South San Francisco Scavenger Company (J0500); Renewable Natural Gas (RNG) produced from Urban Landscaping Waste and upgraded at South San Francisco Scavenger Company facility in South San Francisco California; RNG used for onsite fueling	California	Other Organic Waste (029)	Compressed Natural Gas (CNG)	None	None	CNG028B01230200	0.28	3/29/2021	Application Package	Bio-CNG	South San Francisco Scavengers (S283)	South San Francisco Scavenger Company (J0500)	Renewable Natural Gas (RNG) produced from Urban Landscaping Waste and upgraded at South San Francisco Scavenger Company facility in South San Francisco California; RNG used for onsite fueling	None	
A027601	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Meadow Branch Landfill Gas Processing Facility (71252); Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel (Provisional)	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF261R	52.14	CNG025A02760100	47.41	3/25/2021	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Meadow Branch Landfill Gas Processing Facility (71252)	Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel (Provisional)	None	Retired
A036701	Tier 1	3.0	Fuel Producer: SOUTH SHELBY RNG, LLC (1236); Facility Name: South Shelby RNG, LLC (71241); Biomethane from Landfill at Memphis, TN; upgrading at South Shelby RNG, LLC, pipelined to California for compression to CNG (Provisional)	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A03670100	49.53	5/11/2021	None	Bio-CNG	SOUTH SHELBY RNG, LLC (1236)	South Shelby RNG, LLC (71241)	Biomethane from Landfill at Memphis, TN; upgrading at South Shelby RNG, LLC, pipelined to California for compression to CNG (Provisional)	None	Retired
A030201	Tier 1	3.0	Fuel Producer: Shell Energy North America (6154); Facility Name: Melissa Renewables, LLC (71407); Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF276	40.63	CNG025A03020100	34.00	6/16/2021	None	Bio-CNG	Shell Energy North America (6154)	Melissa Renewables, LLC (71407)	Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG (Provisional)	None	Retired
A029101	Tier 1	3.0	Fuel Producer: Shell Energy North America (6154); Facility Name: Pine Hill Renewables, LLC (71288); Biomethane from Pine Hill Landfill at Kilgore, Texas , upgrading at Pine Hill Renewables, pipelined to California for compression to CNG (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNGLF272	39.83	CNG025A02910100	34.17	6/16/2021	None	Bio-CNG	Shell Energy North America (6154)	Pine Hill Renewables, LLC (71288)	Biomethane from Pine Hill Landfill at Kilgore, Texas , upgrading at Pine Hill Renewables, pipelined to California for compression to CNG (Provisional)	None	Retired
B013901	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Ruckman Farm (71256); Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Allbany, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B00110100	-372.35	CNG044B01390100	-431.79	6/29/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Ruckman Farm (71256)	Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Keansy, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations	None	Retired
B014101	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Locust Ridge Farm (71298); Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B00090100	-323.83	CNG044B01410100	-449.66	6/29/2021	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Locust Ridge Farm (71298)	Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas	None	Retired
A015601	Tier 1	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: Ninety-First Avenue Renewable Biogas LLC (70241); Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A01560100	26.58	12/18/2019	None	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	Ninety-First Avenue Renewable Biogas LLC (70241)	Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	None	Retired
A035301	Tier 1	3.0	Fuel Producer: South Platte Renew (8380); Facility Name: 2900 SOUTH PLATTE RIVER DRIVE PROJECT (70641); Biomethane produced from the mesophilic anaerobic digestion of wastewater sludge in Colorado; grid electricity; compressed and transported to California via pipeline; dispensed as CNG for transportation fuel. (Provisional)	Colorado	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A03530100	52.36	8/24/2021	None	Bio-CNG	South Platte Renew (8380)	2900 SOUTH PLATTE RIVER DRIVE PROJECT (70641)	Biomethane produced from the mesophilic anaerobic digestion of wastewater sludge in Colorado; grid electricity; compressed and transported to California via pipeline; dispensed as CNG for transportation fuel. (Provisional)	None	Retired
A038501	Tier 1	3.0	Fuel Producer: Los Angeles County Sanitation District (L375); Facility Name: Biogas Conditioning System Facility (F00308); Biomethane produced from the mesophilic anaerobic digestion of wasterwater sludge; grid electricity; finished fuel is compressed and dispensed as CNG transportation fuel onsite. (Provisional)	California	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A03850100	19.28	8/20/2021	None	Bio-CNG	Los Angeles County Sanitation District (L375)	Biogas Conditioning System Facility (F00308)	Biomethane produced from the mesophilic anaerobic digestion of wasterwater sludge; grid electricity; finished fuel is compressed and dispensed as CNG transportation fuel onsite. (Provisional)	None	Retired
B019701	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (Provisional)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00580100	-167.04	CNG026B01970100	-177.03	9/28/2021	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (Provisional)	None	Retired
B019702	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00580200	-151.41	CNG026B01970200	-156.78	9/28/2021	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	None	Retired
B019703	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00580300	-257.78	CNG026B01970300	-295.26	9/28/2021	Application Package	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	None	Retired
B018503	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01850300	-382.11	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired

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B019802	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01980200	-414.26	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B019804	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01980400	-405.41	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B019805	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01980500	-385.40	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
B019803	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B01980300	-420.69	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (Provisional)	None	Retired
A041301	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Imperial Landfill Gas Company, LLC (F00219); Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG.	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04130100	53.19	11/23/2021	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Imperial Landfill Gas Company, LLC (F00219)	Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG.	None	Retired
B021801	Tier 2	3.0	Fuel Producer: Degrees3 Transportation Solutions, LLC (C1111) ; Facility Name: Blue Mountain Biogas, LLC; Low-CI Electricity from Swine Manure using reciprocating engine at Blue Mountain Biogas, LLC near Milford, Utah for use as transportation fuel in California (Provisional)	Utah	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	ELC026B02180100	-485.51	1/14/2022	Application Package	Electricity	Degrees3 Transportation Solutions, LLC (C1111)	Blue Mountain Biogas, LLC	Low-CI Electricity from Swine Manure using reciprocating engine at Blue Mountain Biogas, LLC near Milford, Utah for use as transportation fuel in California (Provisional)	None	Retired
B021501	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: Rosendale Renewable Energy, LLC (71041); Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02150100	-310.71	3/30/2022	Application Package	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	Rosendale Renewable Energy, LLC (71041)	Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	None	Retired
A043701	Tier 1	3.0	Fuel Producer: LYNX RENEWABLE ENERGY LLC (1392); Facility Name: Lynx Renewable Energy (F00355); Biomethane from Landfill at Ardmore, Oklahoma, upgrading at Lynx Renewable Energy in Oklahoma, pipelined to California for compression to CNG (Provisional)	Oklahoma	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04370100	37.00	4/11/2022	None	Bio-CNG	LYNX RENEWABLE ENERGY LLC (1392)	Lynx Renewable Energy (F00355)	Biomethane from Landfill at Ardmore, Oklahoma, upgrading at Lynx Renewable Energy in Oklahoma, pipelined to California for compression to CNG (Provisional)	None	Retired
A046101	Tier 1	3.0	Fuel Producer: GARLAND RENEWABLES, LLC (1639); Facility Name: GARLAND RENEWABLES, LLC (71921; Landfill Gas generated at Garland Landfill in Rowlett, Texas upgraded to Biomethane at Garland Renewables; pipelined to California for compression and distribution to CNG refueling stations. (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04610100	32.52	5/13/2022	None	Bio-CNG	GARLAND RENEWABLES, LLC (1639)	GARLAND RENEWABLES, LLC (71921	Landfill Gas generated at Garland Landfill in Rowlett, Texas upgraded to Biomethane at Garland Renewables; pipelined to California for compression and distribution to CNG refueling stations. (Provisional)	None	Retired
A040601	Tier 1	3.0	Fuel Producer: EDINBURG RENEWABLES, LLC (6401); Facility Name: CITY OF EDINBURG LANDFILL (71223); Biomethane from City of Edinburg Landfill in Edinburg, Texas, upgrading at Edinburg Renewables, LLC, pipelined to California for compression to CNG.	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04060100	37.12	12/31/2021	None	Bio-CNG	EDINBURG RENEWABLES, LLC (6401)	CITY OF EDINBURG LANDFILL (71223)	Biomethane from City of Edinburg Landfill in Edinburg, Texas, upgrading at Edinburg Renewables, LLC, pipelined to California for compression to CNG.	None	Retired
B025001	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02500100	-182.67	6/28/2022	Application Package	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	None	Retired
B025002	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02500200	-267.51	6/28/2022	Application Package	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	None	Retired
B025003	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02500300	-255.34	6/28/2022	Application Package	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	None	Retired
B030701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03070100	-353.38	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	None	Retired
B030702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03070200	-405.57	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	None	Retired

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B030703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03070300	-255.83	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	None	Retired
B030705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03070500	-366.91	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	None	Retired
B030704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03070400	-249.43	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	None	Retired
B028301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEER RUN RNG PROJECT (71482); Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02830100	-195.09	6/29/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	DEER RUN RNG PROJECT (71482)	Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B030801	Tier 2	3.0	Fuel Producer: WOF SW GGP 1 LLC (W009); Facility Name: Green Gas Partners Stanfield (F00003); Biogas from dairy manure at Shamrock Farms, T&K Red River, and Zinke Dairy in Stanfield and Maricopa, AZ; upgraded to pipeline quality at Green Gas Partners Stanfield and pipelined to CA for transportation use (Provisional)	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03080100	-362.84	6/30/2022	Application Package	Bio-CNG	WOF SW GGP 1 LLC (W009)	Green Gas Partners Stanfield (F00003)	Biogas from dairy manure at Shamrock Farms, T&K Red River, and Zinke Dairy in Stanfield and Maricopa, AZ; upgraded to pipeline quality at Green Gas Partners Stanfield and pipelined to CA for transportation use (Provisional)	None	Retired
B031001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100100	-349.17	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B031002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rob Van Groow in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100200	-210.67	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rob Van Groow in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B031004	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100400	-417.26	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B031003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100300	-406.28	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B031005	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100500	-417.24	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B031006	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03100600	-356.29	6/28/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B028201	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY S&S (71361); Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B02820100	-272.08	9/23/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY S&S (71361)	Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B033801	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: DALHART RNG, LLC (70981); Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use (Provisional)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B03380100	-417.96	9/23/2022	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	DALHART RNG, LLC (70981)	Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use (Provisional)	None	Retired
B031101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110101	-418.04	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031102	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110200	-383.14	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B031103	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110300	-419.34	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031105	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110500	-276.38	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031104	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110400	-299.39	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031107	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110700	-341.84	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031106	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110600	-403.86	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031108	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03110800	-273.88	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	None	Retired
B031501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03150100	-403.96	9/29/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (Provisional)	None	Retired
B034601	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAMB RNG PROJECT (71101); Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use (Provisional)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03460100	-311.72	9/28/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAMB RNG PROJECT (71101)	Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use (Provisional)	None	Retired
B035301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY DALLMAN (71341); Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03530100	-344.72	9/29/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY DALLMAN (71341)	Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use (Provisional)	None	Retired
A049401	Tier 1	3.0	Fuel Producer: BLUE SOURCE LLC (6086); Facility Name: Tres Rios Water Reclamation Facility (F00443); Biomethane derived from anaerobic digestion of wastewater sludge. (Provisional)	Arizona	Wastewater Sludge (030	Compressed Natural Gas (CNG)	None	None	CNG030A04940100	27.41	10/10/2022	None	Bio-CNG	BLUE SOURCE LLC (6086)	Tres Rios Water Reclamation Facility (F00443)	Biomethane derived from anaerobic digestion of wastewater sludge. (Provisional)	None	Retired
B035201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03520100	-411.77	12/5/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use (Provisional)	None	Retired
B035202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03520200	-351.51	12/5/2022	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use (Provisional)	None	Retired
B036601	Tier 2	3.0	Fuel Producer: Element Markets Renewable Energy, LLC (5877); Facility Name: MILFORD FARM (71483); Biogas from swine manure at Milford Farm in Milford, UT; upgraded to pipeline quality at Milford Farm and pipelined to CA for transportation use (Provisional)	Utah	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02140100	-413.67	CNG044B03660100	-414.59	12/7/2022	Application Package	Bio-CNG	Element Markets Renewable Energy, LLC (5877)	MILFORD FARM (71483)	Biogas from swine manure at Milford Farm in Milford, UT; upgraded to pipeline quality at Milford Farm and pipelined to CA for transportation use (Provisional)	None	Retired
B038501	Tier 2	3.0	Fuel Producer: BLUE SOURCE LLC (6086); Facility Name: Green Valley Dairy LLC (F00198); Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03850100	-180.73	12/21/2022	Application Package	Bio-CNG	BLUE SOURCE LLC (6086)	Green Valley Dairy LLC (F00198)	Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B034501	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAKESHORE RNG PROJECT (71321); Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03450100	-318.35	12/27/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAKESHORE RNG PROJECT (71321)	Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired

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B034701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET BOXLER RNG PROJECT (71222); Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03470100	-206.88	12/27/2022	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET BOXLER RNG PROJECT (71222)	Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B037001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: GREEN HILLS FARM (71881); Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B03700100	-408.25	12/28/2022	Application Package	Bio-CNG	Anew RNG, LLC (5877)	GREEN HILLS FARM (71881)	Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use (Provisional)	None	Retired
B037101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: WHITETAIL FARM (71882); Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B03710100	-412.77	12/28/2022	Application Package	Bio-CNG	Anew RNG, LLC (5877)	WHITETAIL FARM (71882)	Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use (Provisional)	None	Retired
A043901	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Skyline RNG Facility (F00217); Biomethane from Landfill at Ferris, Texas upgrading at Waste Management, pipelined to California for compression to CNG (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A04390100	53.17	2/22/2022	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Skyline RNG Facility (F00217)	Biomethane from Landfill at Ferris, Texas upgrading at Waste Management, pipelined to California for compression to CNG (Provisional)	None	Retired
A011501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ameresco San Antonio Biogas (71204); Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	Texas	Wastewater Sludge (030	Compressed Natural Gas (CNG)	CNG030A01150100	37.33	CNG030A01150101	36.77	12/19/2019	None	Bio-CNG	Anew RNG, LLC (5877)	Ameresco San Antonio Biogas (71204)	Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	2021 AFPR Recert Complete	Retired
A015401	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Outer Loop High Btu Gas Plant (71316); Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California (Provisional)	Kentucky	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01540100	54.66	CNG025A01540102	54.69	11/5/2019	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Outer Loop High Btu Gas Plant (71316)	Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California (Provisional)	2021 AFPR Recert Complete	Retired
A019501	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060); Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01950100	43.37	CNG025A01950101	44.78	12/31/2019	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060)	Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (Provisional)	2021 AFPR Recert Complete	Retired
B006001	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) sourced from Dairy Manure of Fair Oak Farms and upgraded to RNG at Generate Fair Oaks Upgrader in Fair Oaks, Indiana; RNG pipelined to California	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00600100	-255.74	CNG026B00600102	-237.77	2/24/2020	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) sourced from Dairy Manure of Fair Oak Farms and upgraded to RNG at Generate Fair Oaks Upgrader in Fair Oaks, Indiana; RNG pipelined to California	2021 AFPR Recert Complete	Retired
B007201	Tier 2	3.0	Fuel Producer: IOGEN D3 BIOFUEL PARTNERS II LLC (7180); Facility Name: WOF PNW Threemile Project (F00100); Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use	Oregon	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00720100	-188.78	CNG026B00720102	-171.65	9/30/2020	None	Bio-CNG	IOGEN D3 BIOFUEL PARTNERS II LLC (7180)	WOF PNW Threemile Project (F00100)	Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A021901	Tier 1	3.0	Fuel Producer: EBI ENERGIE INC. (6459); Facility Name: SAINT-THOMAS BIOMETHANE PLANT (71254); Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc in Quebec, Canada; pipelined to California for compression to CNG	Canada	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02190100	38.64	CNG025A02190101	31.80	6/22/2020	None	Bio-CNG	EBI ENERGIE INC. (6459)	SAINT-THOMAS BIOMETHANE PLANT (71254)	Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc in Quebec, Canada; pipelined to California for compression to CNG	2021 AFPR Recert Complete	Retired
B010901	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090100	-453.10	CNG026B01090102	-288.39	9/30/2020	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B010902	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090200	-308.48	CNG026B01090202	-278.19	9/30/2020	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B010903	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090300	-236.96	CNG026B01090302	-247.83	9/30/2020	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B009601	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Dairy Dreams (F00127); Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00960100	-532.74	CNG026B00960102	-372.40	9/30/2020	None	Bio-CNG	Clean Energy (5481)	Calumet - Dairy Dreams (F00127)	Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B009701	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Ponderosa (F00128); Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00970100	-372.20	CNG026B00970101	-445.37	9/30/2020	None	Bio-CNG	Clean Energy (5481)	Calumet - Ponderosa (F00128)	Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired

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B010202	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020200	-289.76	CNG026B01020201	-392.30	12/3/2020	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B010203	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Etter Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020300	-308.74	CNG026B01020301	-399.36	12/3/2020	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Etter Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A023301	Tier 1	3.0	Fuel Producer: RENEWABLE POWER PRODUCERS, LLC (6504); Facility Name: RENEWABLE POWER PRODUCERS, LLC (71289); Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG (Provisional)	Kansas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02330100	45.91	CNG025A02330102	47.10	7/24/2020	None	Bio-CNG	RENEWABLE POWER PRODUCERS, LLC (6504)	RENEWABLE POWER PRODUCERS, LLC (71289)	Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG (Provisional)	2021 AFPR Recert Complete	Retired
B010801	Tier 2	3.0	Fuel Producer: AgPower Jerome, LLC (C1036); Facility Name: AgPower Jerome RNG Project (F00077); Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01080100	-230.13	CNG026B01080101	-240.91	9/30/2020	None	Bio-CNG	AgPower Jerome, LLC (C1036)	AgPower Jerome RNG Project (F00077)	Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A024201	Tier 1	3.0	Fuel Producer: CERF SHELBY LLC (6228); Facility Name: CERF SHELBY LLC (71163); Biomethane from Landfill at Millington, Tennessee upgrading at CERF Shelby LLC, pipelined to California for compression to CNG	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02420100	47.53	CNG025A02420102	57.00	10/29/2020	None	Bio-CNG	CERF SHELBY LLC (6228)	CERF SHELBY LLC (71163)	Biomethane from Landfill at Millington, Tennessee upgrading at CERF Shelby LLC, pipelined to California for compression to CNG	2021 AFPR Recert Complete	Retired
A024701	Tier 1	3.0	Fuel Producer: CANTON RENEWABLES, LLC (5896) ; Facility Name: CANTON RENEWABLES, LLC (71041); Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02470100	49.78	CNG025A02470102	48.20	10/13/2020	None	Bio-CNG	CANTON RENEWABLES, LLC (5896)	CANTON RENEWABLES, LLC (71041)	Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	2021 AFPR Recert Complete	Retired
A026701	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Johnstown Regional Energy - Raeger (71131); Biomethane from Johnstown Regional Energy - Raeger Landfill in Johnstown, Pennsylvania, pipelined to California for compression to CNG	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02670100	35.51	CNG025A02670102	35.69	3/18/2021	None	Bio-CNG	Anew RNG, LLC (5877)	Johnstown Regional Energy - Raeger (71131)	Biomethane from Johnstown Regional Energy - Raeger Landfill in Johnstown, Pennsylvania, pipelined to California for compression to CNG	2021 AFPR Recert Complete	
A026403	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Johnstown Regional Energy - Southern Alleghenies (71133); Biomethane from Johnstown Regional Energy - Southern Alleghenies Landfill in Davidsville, Pennsylvania, pipelined to California for compression to CNG	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02640300	60.28	CNG025A02640302	58.15	3/17/2021	None	Bio-CNG	Anew RNG, LLC (5877)	Johnstown Regional Energy - Southern Alleghenies (71133)	Biomethane from Johnstown Regional Energy - Southern Alleghenies Landfill in Davidsville, Pennsylvania, pipelined to California for compression to CNG	2021 AFPR Recert Complete	
A027401	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504) ; Facility Name: Renovar Arlington, LTD RNG Project (70501); Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (Provisional)	Texas	Wastewater Sludge (030	Compressed Natural Gas (CNG)	CNG030A02740100	38.37	CNG030A02740102	41.71	3/1/2021	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (Provisional)	2021 AFPR Recert Complete	Retired
B012701	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270100	-417.35	CNG026B01270102	-419.62	12/31/2020	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B012702	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270200	-417.27	CNG026B01270201	-420.14	12/31/2020	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B012703	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270300	-418.90	CNG026B01270302	-420.70	12/31/2020	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B012704	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270400	-392.44	CNG026B01270401	-410.41	12/31/2020	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A029801	Tier 1	3.0	Fuel Producer: PUGET SOUND ENERGY (6055); Facility Name: CEDAR HILLS LANDFILL RECOVERY GAS PROJECT (71109); Biomethane from Cedar Hills Landfill at Maple Valley, Washington upgrading at Puget Sound Energy, pipelined to California for compression to CNG (Provisional)	Washington	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02980100	28.24	CNG025A02980101	28.80	3/12/2021	None	Bio-CNG	PUGET SOUND ENERGY (6055)	CEDAR HILLS LANDFILL RECOVERY GAS PROJECT (71109)	Biomethane from Cedar Hills Landfill at Maple Valley, Washington upgrading at Puget Sound Energy, pipelined to California for compression to CNG (Provisional)	2021 AFPR Recert Complete	Retired
A030601	Tier 1	3.0	Fuel Producer: MONROEVILLE LFG, LLC (6317); Facility Name: MONROEVILLE LFG, LLC (71136); Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03060100	41.93	CNG025A03060101	42.85	4/6/2021	None	Bio-CNG	MONROEVILLE LFG, LLC (6317)	MONROEVILLE LFG, LLC (71136)	Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG (Provisional)	2021 AFPR Recert Complete	Retired

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B014301	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01430100	-429.05	CNG044B01430101	-432.11	6/29/2021	None	Bio-CNG	Anew RNG, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	2021 AFPR Recert Complete	Retired
B014901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: South Meadows Farm (F00195); Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01490100	-359.66	CNG044B01490101	-319.70	6/29/2021	None	Bio-CNG	Anew RNG, LLC (5877)	South Meadows Farm (F00195)	Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California	2021 AFPR Recert Complete	Retired
B016501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01650100	-406.35	CNG026B01650101	-392.30	9/30/2021	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A034501	Tier 1	3.0	Fuel Producer: WESTSIDE GAS PRODUCERS, LLC (6218); Facility Name: WESTSIDE GAS PRODUCERS, LLC (71151); Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG.	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03450100	52.66	CNG025A03450101	53.05	6/16/2021	None	Bio-CNG	WESTSIDE GAS PRODUCERS, LLC (6218)	WESTSIDE GAS PRODUCERS, LLC (71151)	Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG.	2021 AFPR Recert Complete	Retired
B019101	Tier 2	3.0	Fuel Producer: California Renewable Power LLC(C196); Facility Name: California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270); Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles.	California	n Landscaping Waste (	Compressed Natural Gas (CNG)	CNG028B01910100	2.51	CNG028B01910101	72.26	6/29/2021	None	Bio-CNG	California Renewable Power LLC(C196)	California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270)	Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles.	2021 AFPR Recert Complete	Retired
B021901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: HOMAN FARM (71343); RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02190100	-412.71	CNG044B02190101	-359.22	9/30/2021	None	Bio-CNG	Anew RNG, LLC (5877)	HOMAN FARM (71343)	RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
B010201	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020101	-408.62	CNG026B01020106	-403.57	12/3/2020	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2021 AFPR Recert Complete	Retired
A030401	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Point Loma Digester Gas Project (F00027); Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. (Provisional)	California	Wastewater Sludge (030	Compressed Natural Gas (CNG)	CNG030A03040100	30.31	CNG030A03040102	38.91	6/14/2021	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Point Loma Digester Gas Project (F00027)	Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. (Provisional)	2021 AFPR Recert Complete	Retired
B018502	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850200	-388.91	CNG026B01850201	-366.51	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired
B018701	Tier 2	3.0	Fuel Producer: Dry Creek RNG LLC (C1098); Facility Name: Dry Creek RNG Project (F00342); Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (Provisional)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01870100	-435.22	CNG026B01870101	-421.53	3/15/2023	Application Package	Bio-CNG	Dry Creek RNG LLC (C1098)	Dry Creek RNG Project (F00342)	Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired
B019801	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194) ; Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980100	-388.29	CNG026B01980101	-294.40	9/30/2021	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired
B020702	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070200	-211.01	CNG026B02070201	-193.95	12/29/2021	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (Provisional)	2021 AFPR Recert Complete	Retired
B020701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070100	-135.37	CNG026B02070101	-132.51	12/29/2021	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (Provisional)	2021 AFPR Recert Complete	Retired
B021601	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: KEWAUNEE RENEWABLE ENERGY, LLC (71003); Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02160100	-382.83	CNG026B02160101	-333.34	3/30/2022	Application Package	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	KEWAUNEE RENEWABLE ENERGY, LLC (71003)	Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired
B021701	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: NEW CHESTER RENEWABLE ENERGY, LLC (71181); Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI; LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02170100	-303.92	CNG026B02170101	-274.25	3/30/2022	Application Package	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	NEW CHESTER RENEWABLE ENERGY, LLC (71181)	Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI; LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B022001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: SOMERSET FARM (71381); Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (Provisional)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02200101	-410.57	CNG044B02200102	-370.44	12/31/2021	Application Package	Bio-CNG	Anew RNG, LLC (5877)	SOMERSET FARM (71381)	Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (Provisional)	2021 AFPR Recert Complete	Retired
A041601	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Greentree Landfill Gas Company (F00212); Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. (Provisional)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04160100	66.18	CNG025A04160101	71.21	11/23/2021	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Greentree Landfill Gas Company (F00212)	Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. (Provisional)	2021 AFPR Recert Complete	Retired
B036901	Tier 2	3.0	Fuel Producer: MONTAUK ENERGY HOLDINGS, LLC (6139); Facility Name: Pico Energy, LLC (71221); Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use. (Provisional)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03690100	-260.56	3/27/2023	Application Package	Bio-CNG	MONTAUK ENERGY HOLDINGS, LLC (6139)	Pico Energy, LLC (71221)	Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use. (Provisional)	None	Retired
B039301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY CLOVER HILL (71261); Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03930100	-204.42	3/30/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY CLOVER HILL (71261)	Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use (Provisional)	None	Retired
B040101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504) ; Facility Name: YELLOW JACKET SWISS VALLEY RNG PROJECT (71161); Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use (Provisional)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04010100	-216.27	3/30/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET SWISS VALLEY RNG PROJECT (71161)	Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use (Provisional)	None	Retired
B040401	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: AUGEAN RNG PROJECT (71081); Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use. (Provisional)	Washington	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04040100	-216.63	3/28/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	AUGEAN RNG PROJECT (71081)	Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use. (Provisional)	None	Retired
B042001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: RIALTO Bioenergy (F00475); Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use (Provisional)	California	ood Scraps/Waste (02	Compressed Natural Gas (CNG)	None	None	CNG027B04200100	-28.20	3/22/2023	Application Package	Bio-CNG	Anew RNG, LLC (5877)	RIALTO Bioenergy (F00475)	Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use (Provisional)	None	Retired
A020001	Tier 1	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Waste Management American Landfill (70421); Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel. (Provisional)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02000100	40.13	CNG025A02000101	37.64	6/29/2020	None	Bio-CNG	GHI Energy, LLC (6156)	Waste Management American Landfill (70421)	Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel. (Provisional)	2021 AFPR Recert Complete	Retired
A023201	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG.	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02320100	43.15	CNG025A02320101	42.66	7/24/2020	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG.	2021 AFPR Recert Complete	Retired
B038301	Tier 2	3.0	Fuel Producer: EEC MARKET GROUP LLC (6496); Facility Name: NLC Energy Denmark LLC (70242); Biogas from dairy manure at Rolling Hills I, Rolling Hills II, Leiterman, Barta, Heim's Hillcrest, Branch View, and D&D in WI; upgraded to pipeline quality at NLC Energy Denmark LLC; pipelined to CA for transportation use (Provisional)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03830100	-284.21	6/22/2023	Application Package	Bio-CNG	EEC MARKET GROUP LLC (6496)	NLC Energy Denmark LLC (70242)	Biogas from dairy manure at Rolling Hills I, Rolling Hills II, Leiterman, Barta, Heim's Hillcrest, Branch View, and D&D in WI; upgraded to pipeline quality at NLC Energy Denmark LLC; pipelined to CA for transportation use (Provisional)	None	Retired
A050801	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Eugene/Springfield Water Pollution Control Facility (F00546); RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California. (Provisional)	Oregon	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	None	None	CNG030A05080100	34.26	6/23/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Eugene/Springfield Water Pollution Control Facility (F00546)	RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California. (Provisional)	None	Retired
B039601	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03960100	-411.32	6/30/2023	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (Provisional)	None	Retired
B039602	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03960200	-416.41	6/30/2023	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use (Provisional)	None	Retired
B039603	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at River Ranch Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03960300	-417.71	6/30/2023	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at River Ranch Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (Provisional)	None	Retired
B039604	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B03960400	-418.87	6/30/2023	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use (Provisional)	None	Retired

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B040301	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04030100	-419.40	6/30/2023	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use (Provisional)	None	Retired
B043801	Tier 2	3.0	Fuel Producer: Lone Oak Energy, LLC (C1177); Facility Name: Lone Oak Energy, LLC (F00542); Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC, trucked to pipeline injection and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04380100	-404.74	6/30/2023	Application Package	Bio-CNG	Lone Oak Energy, LLC (C1177)	Lone Oak Energy, LLC (F00542)	Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC, trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B045001	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEMETER RNG PROJECT (71302); Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04500100	-191.29	6/30/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	DEMETER RNG PROJECT (71302)	Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	None	Retired
B042201	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220100	-416.31	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042202	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220200	-429.59	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042203	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220300	-249.95	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042204	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220400	-260.14	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042205	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220500	-411.49	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042206	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220600	-418.96	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
B042207	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04220700	-328.54	9/14/2023	Application Package	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (Provisional)	None	Retired
A051001	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: NOBLE ROAD RNG LLC (72142); Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG (PROV3.0)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A05100100	48.84	8/31/2023	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	NOBLE ROAD RNG LLC (72142)	Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG (Provisional)	None	Retired
B047301	Tier 2	3.0	Fuel Producer: SUNOMA RENEWABLE BIOFUEL, LLC (1781); Facility Name: Sunoma Renewable Biofuel, LLC (F00497); Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use (PROV3.0)	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04730100	-386.78	12/4/2023	Application Package	Bio-CNG	SUNOMA RENEWABLE BIOFUEL, LLC (1781)	Sunoma Renewable Biofuel, LLC (F00497)	Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use (Provisional)	None	Retired
B046101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04610100	-130.23	12/28/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (Provisional)	None	Retired
B046102	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04610200	-385.43	12/28/2023	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (Provisional)	None	Retired
B045901	Tier 2	3.0	Fuel Producer: Still Water Power, LLC (C1180); Facility Name: Still Water Power, LLC (F00552); Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04590100	-332.64	12/29/2023	Application Package	Bio-CNG	Still Water Power, LLC (C1180)	Still Water Power, LLC (F00552)	Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use	None	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B051401	Tier 2	3.0	Fuel Producer: FM Jerseys Dairy Biogas, LLC (C1178); Facility Name: FM Jerseys Dairy Digester (F00479); Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05140100	-426.46	12/28/2023	Application Package	Bio-CNG	FM Jerseys Dairy Biogas, LLC (C1178)	FM Jerseys Dairy Digester (F00479)	Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use	None	Retired
A009501	Tier 1	3.0	Fuel Producer: CEFARI RNG OKC, LLC (2220); Facility Name: CEFARI RNG OKC, LLC (70101); Landfill gas processes at CEFARI facility from Southwest Oklahoma City, Oklahoma to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California (3.0)	Oklahoma	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A00950101	49.80	CNG025A00950102	52.00	11/14/2023	None	Bio-CNG	CEFARI RNG OKC, LLC (2220)	CEFARI RNG OKC, LLC (70101)	Landfill gas processes at CEFARI facility from Southwest Oklahoma City, Oklahoma to pipeline-quality biomethane; delivered via pipeline to CNG Stations in California	2022 AFPR Recert Complete	
A011001	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Ameresco Woodland Meadows Romulus, LLC (A0833); Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California (3.0)	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01100101	48.21	CNG025A01100102	46.33	11/6/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	Ameresco Woodland Meadows Romulus, LLC (A0833)	Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California	2022 AFPR Recert Complete	Retired
A011501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ameresco San Antonio Biogas (71204); Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (3.0)	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01150101	36.77	CNG030A01150102	36.73	11/3/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Ameresco San Antonio Biogas (71204)	Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	2022 AFPR Recert Complete	Retired
A015401	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Outer Loop High Btu Gas Plant (71316); Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California (3.0)	Kentucky	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01540102	54.69	CNG025A01540103	55.00	12/11/2023	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Outer Loop High Btu Gas Plant (71316)	Louisville Landfill gas (KY) to pipeline-quality biomethane; Delivered via pipeline; Compression to CNG stations in California	2022 AFPR Recert Complete	
A015601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ninety-First Avenue Renewable Biogas LLC (70241); Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel (3.0)	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01560100	26.58	CNG030A01560101	25.35	10/27/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Ninety-First Avenue Renewable Biogas LLC (70241)	Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel	2022 AFPR Recert Complete	Retired
A017101	Tier 1	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026A01710100	-329.76	CNG026A01710101	-185.00	10/25/2023	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California	2022 AFPR Recert Complete	Retired
A019501	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060); Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01950101	44.78	CNG025A01950102	46.75	11/6/2023	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	GSF Energy, LLC – McCarty Road LFG Recovery Facility (F00060)	Landfill Gas generated at the McCarty Road Landfill; upgraded to pipeline-quality biomethane in Houston, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	2022 AFPR Recert Complete	Retired
A020001	Tier 1	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Waste Management American Landfill (70421); Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel. (3.0)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02000101	37.64	CNG025A02000102	37.59	11/6/2023	None	Bio-CNG	GHI Energy, LLC (6156)	Waste Management American Landfill (70421)	Biomethane from WM American Landfill in Waynesburg, Ohio; Upgrading at the co-located upgrading facility; Pipelined to California for compression to CNG; Delivered and dispensed as CNG in California for the use in transportation fuel.	2022 AFPR Recert Complete	Retired
B009801	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Circle A digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980101	-401.33	CNG026B00980102	-419.92	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Circle A digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2022 AFPR Recert Complete	Retired
B009802	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980201	-402.07	CNG026B00980202	-418.16	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California	2022 AFPR Recert Complete	Retired
B009803	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980300	-192.49	CNG026B00980301	-420.09	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2022 AFPR Recert Complete	Retired
B009804	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980400	-323.10	CNG026B00980401	-419.74	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California	2022 AFPR Recert Complete	Retired
B009805	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980501	-304.08	CNG026B00980502	-419.77	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California	2022 AFPR Recert Complete	Retired
B009806	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980601	-279.38	CNG026B00980602	-227.28	10/25/2023	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biomethane produced from Dairy Manure at J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; pipelined to Fresno and West Sacramento, California, compressed to CNG for use as transportation fuel in California	2022 AFPR Recert Complete	Retired

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A023301	Tier 1	3.0	Fuel Producer: RENEWABLE POWER PRODUCERS, LLC (6504); Facility Name: RENEWABLE POWER PRODUCERS, LLC (71289); Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG (3.0)	Kansas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02330102	47.10	CNG025A02330103	45.13	11/17/2023	None	Bio-CNG	RENEWABLE POWER PRODUCERS, LLC (6504)	RENEWABLE POWER PRODUCERS, LLC (71289)	Biomethane from Landfill in Lawrence, KS; upgrading at Renewable Power Producers, LLC; pipelined to California for compression to CNG	2022 AFPR Recert Complete	
A024701	Tier 1	3.0	Fuel Producer: CANTON RENEWABLES, LLC (5896); Facility Name: CANTON RENEWABLES, LLC (71041); Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG (3.0)	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02470102	48.20	CNG025A02470104	50.00	11/28/2023	None	Bio-CNG	CANTON RENEWABLES, LLC (5896)	CANTON RENEWABLES, LLC (71041)	Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	2022 AFPR Recert Complete	Retired
A027401	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (3.0)	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A02740102	41.71	CNG030A02740103	41.23	10/27/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California	2022 AFPR Recert Complete	Retired
A027601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Meadow Branch Landfill Gas Processing Facility (71252); Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel (3.0)	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02760100	47.41	CNG025A02760101	45.83	11/6/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Meadow Branch Landfill Gas Processing Facility (71252)	Biomethane from landfil gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel	2022 AFPR Recert Complete	Retired
A030601	Tier 1	3.0	Fuel Producer: MONROEVILLE LFG, LLC (6317); Facility Name: MONROEVILLE LFG, LLC (71136); Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG (3.0)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03060101	42.85	CNG025A03060102	43.27	11/17/2023	None	Bio-CNG	MONROEVILLE LFG, LLC (6317)	MONROEVILLE LFG, LLC (71136)	Biomethane from Monroeville Landfill in Monroeville, PA, upgrading at Monroeville LFG, LLC, pipelined to California for compression to CNG	2022 AFPR Recert Complete	
A029101	Tier 1	3.0	Fuel Producer: Morrow Renewables, LLC (C1224); Facility Name: Pine Hill Renewables, LLC (71288); Biomethane from Pine Hill Landfill at Kilgore, Texas , upgrading at Pine Hill Renewables, pipelined to California for compression to CNG (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02910100	34.17	CNG025A02910101	35.12	11/14/2023	None	Bio-CNG	Morrow Renewables, LLC (C1224)	Pine Hill Renewables, LLC (71288)	Biomethane from Pine Hill Landfill at Kilgore, Texas , upgrading at Pine Hill Renewables, pipelined to California for compression to CNG	2022 AFPR Recert Complete	Retired
A030201	Tier 1	3.0	Fuel Producer: Morrow Renewables, LLC (C1224); Facility Name: Melissa Renewables, LLC (71407); Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03020100	34.00	CNG025A03020101	34.04	11/14/2023	None	Bio-CNG	Morrow Renewables, LLC (C1224)	Melissa Renewables, LLC (71407)	Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG	2022 AFPR Recert Complete	Retired
A030401	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Point Loma Digester Gas Project (F00027); Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. (3.0)	California	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A03040102	38.91	CNG030A03040103	48.72	10/27/2023	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Point Loma Digester Gas Project (F00027)	Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California.	2022 AFPR Recert Complete	Retired
B014301	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01430101	-432.11	CNG044B01430102	-429.14	11/3/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	2022 AFPR Recert Complete	Retired
A031001	Tier 1	3.0	Fuel Producer: River Birch, LLC (C1065); Facility Name: River Birch Landfill (F00278); Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG (3.0)	Louisiana	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03100100	41.18	CNG025A03100101	41.37	11/28/2023	None	Bio-CNG	River Birch, LLC (C1065)	River Birch Landfill (F00278)	Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG	2022 AFPR Recert Complete	Retired
A034501	Tier 1	3.0	Fuel Producer: WESTSIDE GAS PRODUCERS, LLC (6218); Facility Name: WESTSIDE GAS PRODUCERS, LLC (71151); Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG. (3.0)	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03450101	53.05	CNG025A03450102	60.00	11/28/2023	None	Bio-CNG	WESTSIDE GAS PRODUCERS, LLC (6218)	WESTSIDE GAS PRODUCERS, LLC (71151)	Biomethane from Westside Landfill at Three River, Michigan upgrading at Westside Gas Producers LLC, pipelined to California for compression to CNG.	2022 AFPR Recert Complete	Retired
B018501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850101	-294.20	CNG026B01850102	-271.24	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B018502	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850201	-366.51	CNG026B01850202	-282.99	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B018503	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850300	-382.11	CNG026B01850301	-401.96	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B018701	Tier 2	3.0	Fuel Producer: Dry Creek RNG LLC (C1098); Facility Name: Dry Creek RNG Project (F00342); Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01870101	-421.53	CNG026B01870102	-421.46	10/30/2023	None	Bio-CNG	Dry Creek RNG LLC (C1098)	Dry Creek RNG Project (F00342)	Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired

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B019701	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970100	-177.03	CNG026B01970101	-208.60	10/30/2023	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2022 AFPR Recert Complete	Retired
B019702	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970200	-156.78	CNG026B01970201	-149.41	10/30/2023	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2022 AFPR Recert Complete	Retired
B019703	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970300	-295.26	CNG026B01970301	-332.22	10/30/2023	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2022 AFPR Recert Complete	Retired
A038501	Tier 1	3.0	Fuel Producer: Los Angeles County Sanitation District (L375); Facility Name: Biogas Conditioning System Facility (F00308); Biomethane produced from the mesophilic anaerobic digestion of wastewater sludge; grid electricity; finished fuel is compressed and dispensed as CNG transportation fuel onsite. (3.0)	California	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A03850100	19.28	CNG030A03850101	19.28	10/30/2023	None	Bio-CNG	Los Angeles County Sanitation District (L375)	Biogas Conditioning System Facility (F00308)	Biomethane produced from the mesophilic anaerobic digestion of wastewater sludge; grid electricity; finished fuel is compressed and dispensed as CNG transportation fuel onsite.	2022 AFPR Recert Complete	
B019801	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980101	-294.40	CNG026B01980102	-343.44	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B019802	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980200	-414.26	CNG026B01980201	-419.15	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B019803	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980300	-420.69	CNG026B01980301	-413.34	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B019804	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980400	-405.41	CNG026B01980401	-324.70	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B019805	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980500	-385.40	CNG026B01980501	-420.53	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B020701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070101	-132.51	CNG026B02070102	-136.71	10/30/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations	2022 AFPR Recert Complete	Retired
B020702	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070201	-193.95	CNG026B02070202	-185.59	10/30/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations	2022 AFPR Recert Complete	Retired
B021501	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: Rosendale Renewable Energy, LLC (71041); Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02150100	-310.71	CNG026B02150101	-337.05	11/22/2023	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	Rosendale Renewable Energy, LLC (71041)	Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B021601	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: KEWAUNEE RENEWABLE ENERGY, LLC (71003); Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02160101	-333.34	CNG026B02160102	-225.64	11/22/2023	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	KEWAUNEE RENEWABLE ENERGY, LLC (71003)	Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B021701	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: NEW CHESTER RENEWABLE ENERGY, LLC (71181); Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02170101	-274.25	CNG026B02170102	-234.87	11/22/2023	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	NEW CHESTER RENEWABLE ENERGY, LLC (71181)	Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B021901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: HOMAN FARM (71343); RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02190101	-359.22	CNG044B02190102	-403.69	11/3/2023	None	Bio-CNG	Anew RNG, LLC (5877)	HOMAN FARM (71343)	RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired

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B022001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: SOMERSET FARM (71381); Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02200102	-370.44	CNG044B02200103	-382.99	10/30/2023	None	Bio-CNG	Anew RNG, LLC (5877)	SOMERSET FARM (71381)	Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
A041601	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Greentree Landfill Gas Company (F00212); Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. (PROV3.0)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04160101	71.21	CNG025A04160102	74.90	10/31/2023	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Greentree Landfill Gas Company (F00212)	Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. (Provisional)	2022 AFPR Recert Complete	Retired
A043701	Tier 1	3.0	Fuel Producer: LYNX RENEWABLE ENERGY LLC (1392); Facility Name: Lynx Renewable Energy (F00355); Biomethane from Landfill at Ardmore, Oklahoma, upgrading at Lynx Renewable Energy in Oklahoma, pipelined to California for compression to CNG (PROV3.0)	Oklahoma	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04370100	37.00	CNG025A04370101	37.00	11/20/2023	None	Bio-CNG	LYNX RENEWABLE ENERGY LLC (1392)	Lynx Renewable Energy (F00355)	Biomethane from Landfill at Ardmore, Oklahoma, upgrading at Lynx Renewable Energy in Oklahoma, pipelined to California for compression to CNG (Provisional)	2022 AFPR Recert Complete	Retired
B025001	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (PROV3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500100	-182.67	CNG026B02500101	-187.55	10/25/2023	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B025002	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (PROV3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500200	-267.51	CNG026B02500201	-258.09	10/25/2023	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B025003	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (PROV3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500300	-255.34	CNG026B02500301	-224.53	10/25/2023	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B028201	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY S&S (71361); Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02820100	-272.08	CNG026B02820101	-360.00	10/30/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY S&S (71361)	Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use	2022 AFPR Recert Complete	Retired
B028301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEER RUN RNG PROJECT (71482); Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02830100	-195.09	CNG026B02830101	-194.44	10/27/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	DEER RUN RNG PROJECT (71482)	Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B030701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070100	-353.38	CNG026B03070101	-325.32	10/27/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B030702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070200	-405.57	CNG026B03070201	-361.69	10/27/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B030703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070300	-255.83	CNG026B03070301	-256.77	10/27/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B030704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070400	-249.43	CNG026B03070401	-247.40	10/27/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B030705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070500	-366.91	CNG026B03070501	-411.56	10/27/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100100	-349.17	CNG026B03100101	-420.78	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100200	-210.67	CNG026B03100201	-257.14	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired

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B031003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100300	-406.28	CNG026B03100301	-415.27	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031004	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100400	-417.26	CNG026B03100401	-372.09	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031005	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100500	-417.24	CNG026B03100501	-369.61	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031006	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100600	-356.29	CNG026B03100601	-324.13	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110101	-418.04	CNG026B03110102	-348.56	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031102	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110200	-383.14	CNG026B03110201	-336.76	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031103	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110300	-419.34	CNG026B03110301	-423.14	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031104	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110400	-299.39	CNG026B03110401	-334.72	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031105	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110500	-276.38	CNG026B03110501	-307.02	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031106	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110600	-403.86	CNG026B03110601	-392.14	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031107	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110700	-341.84	CNG026B03110701	-318.92	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031108	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110800	-273.88	CNG026B03110801	-331.28	11/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B031501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03150100	-403.96	CNG026B03150101	-409.96	12/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B033801	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: DALHART RNG, LLC (70981); Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use (PROV3.0)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03380100	-417.96	CNG044B03380101	-430.20	12/11/2023	None	Bio-CNG	Anew RNG, LLC (5877)	DALHART RNG, LLC (70981)	Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B034501	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAKESHORE RNG PROJECT (71321); Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03450100	-318.35	CNG026B03450101	-296.42	10/27/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAKESHORE RNG PROJECT (71321)	Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B034601	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAMB RNG PROJECT (71101); Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03460100	-311.72	CNG026B03460101	-272.73	11/22/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAMB RNG PROJECT (71101)	Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B035301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY DALLMAN (71341); Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03530100	-344.72	CNG026B03530101	-319.04	10/30/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY DALLMAN (71341)	Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use	2022 AFPR Recert Complete	Retired
B035201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520100	-411.77	CNG026B03520101	-423.12	12/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B035202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520200	-351.51	CNG026B03520201	-353.82	12/14/2023	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B037001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: GREEN HILLS FARM (71881); Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use (PROV3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03700100	-408.25	CNG044B03700101	-402.51	10/27/2023	None	Bio-CNG	Anew RNG, LLC (5877)	GREEN HILLS FARM (71881)	Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B037101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: WHITETAIL FARM (71882); Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use (PROV3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03710100	-412.77	CNG044B03710101	-374.61	10/27/2023	None	Bio-CNG	Anew RNG, LLC (5877)	WHITETAIL FARM (71882)	Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B038501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Green Valley Dairy LLC (F00198); Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03850100	-180.73	CNG026B03850101	-180.62	11/28/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Green Valley Dairy LLC (F00198)	Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B040101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET SWISS VALLEY RNG PROJECT (71161); Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04010100	-216.27	CNG026B04010101	-187.99	11/22/2023	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET SWISS VALLEY RNG PROJECT (71161)	Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use (Provisional)	2022 AFPR Recert Complete	Retired
B048501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: SANCO Services Anaerobic Digestor Plant (F00478); Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use. (PROV3.0)	California	Other Organic Waste (029)	Compressed Natural Gas (CNG)	None	None	CNG029B04850100	-38.80	1/2/2024	Application Package	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	SANCO Services Anaerobic Digestor Plant (F00478)	Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use. (Provisional)	None	Retired
B048901	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197) ; Facility Name: Brightmark Helios RNG LLC - Lawnhurst (F00521); Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04890100	-185.62	3/29/2024	Application Package	Bio-CNG	Brightmark RNG Holdings LLC (C1197)	Brightmark Helios RNG LLC - Lawnhurst (F00521)	Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use (Provisional)	None	Retired
B049701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04970100	-286.86	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B049702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04970200	-374.02	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B049703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04970300	-420.94	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B049704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04970400	-422.13	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B049705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B04970500	-396.08	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	None	Retired

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B050201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020100	-425.80	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020200	-369.97	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050203	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020300	-319.26	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050204	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020400	-425.59	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050205	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020500	-361.18	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050206	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05020600	-292.09	3/28/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B050401	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Helios RNG – Gardeau Crest (F00533); Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05040100	-293.98	3/29/2024	Application Package	Bio-CNG	Brightmark RNG Holdings LLC (C1197)	Brightmark Helios RNG – Gardeau Crest (F00533)	Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	None	Retired
B051501	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Channel Islands Dairy (F00439); Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05150100	-425.31	3/26/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Channel Islands Dairy (F00439)	Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use (Provisional)	None	Retired
B053501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Sunray-Taylor Biogas (F00536); Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use (PROV3.0)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B05350100	-399.20	3/29/2024	Application Package	Bio-CNG	Anew RNG, LLC (5877)	Sunray-Taylor Biogas (F00536)	Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use (Provisional)	None	Retired
B054401	Tier 2	3.0	Fuel Producer: RNG MOOVERS, LLC (1704); Facility Name: RNG MOOVERS SOARES (72021); Biogas from dairy manure at Jose Soares Dairy in Chowchilla, CA; upgraded to pipeline quality at RNG MOOVERS SOARES; pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05440100	-413.37	3/28/2024	Application Package	Bio-CNG	RNG MOOVERS, LLC (1704)	RNG MOOVERS SOARES (72021)	Biogas from dairy manure at Jose Soares Dairy in Chowchilla, CA; upgraded to pipeline quality at RNG MOOVERS SOARES; pipelined to California for transportation use (Provisional)	None	Retired
A055101	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: East Oak RNG Facility (F00460); Biomethane from East Oak Landfill in Oklahoma City, OK; upgrading at East Oak RNG Facility, pipelined to California for compression to CNG (PROV3.0)	Oklahoma	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A05510100	52.36	5/1/2024	None	Bio-CNG	WM Renewable Energy, LLC (W978)	East Oak RNG Facility (F00460)	Biomethane from East Oak Landfill in Oklahoma City, OK; upgrading at East Oak RNG Facility, pipelined to California for compression to CNG (Provisional)	None	Retired
B010801	Tier 2	3.0	Fuel Producer: AgPower Jerome, LLC (C1036); Facility Name: AgPower Jerome RNG Project (F00077); Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use (3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01080101	-240.91	CNG026B01080103	-170.00	6/12/2024	Application Package	Bio-CNG	AgPower Jerome, LLC (C1036)	AgPower Jerome RNG Project (F00077)	Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B007201	Tier 2	3.0	Fuel Producer: IOGEN D3 BIOFUEL PARTNERS II LLC (7180); Facility Name: ResilientIG Threemile Acquisition LLC (F00100); Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use (3.0)	Oregon	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00720102	-171.65	CNG026B00720103	-176.78	6/14/2024	Application Package	Bio-CNG	IOGEN D3 BIOFUEL PARTNERS II LLC (7180)	ResilientIG Threemile Acquisition LLC (F00100)	Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use	2022 AFPR Recert Complete	Retired
B054701	Tier 2	3.0	Fuel Producer: Oak Valley Energy, LLC (C1175) ; Facility Name: Oak Valley Energy, LLC (F00483); Biogas from dairy manure at Oak Valley Dairy 1 & 4 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use (PROV3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05470100	-407.68	6/28/2024	Application Package	Bio-CNG	Oak Valley Energy, LLC (C1175)	Oak Valley Energy, LLC (F00483)	Biogas from dairy manure at Oak Valley Dairy 1 & 4 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054702	Tier 2	3.0	Fuel Producer: Oak Valley Energy, LLC (C1175) ; Facility Name: Oak Valley Energy, LLC (F00483); Biogas from dairy manure at Oak Valley Dairy 5 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use (PROV3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05470200	-415.24	6/28/2024	Application Package	Bio-CNG	Oak Valley Energy, LLC (C1175)	Oak Valley Energy, LLC (F00483)	Biogas from dairy manure at Oak Valley Dairy 5 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use (Provisional)	None	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B055301	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Helios RNG - Willet (F00534); Biogas from dairy manure at Willet Dairy Farm in King Ferry, NY; upgraded to pipeline quality at Brightmark Helios RNG - Willet; trucked to pipeline injection site and pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05530100	-209.23	6/24/2024	Application Package	Bio-CNG	Brightmark RNG Holdings LLC (C1197)	Brightmark Helios RNG Willet (F00534)	Biogas from dairy manure at Willet Dairy Farm in King Ferry, NY; upgraded to pipeline quality at Brightmark Helios RNG - Willet; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	None	Retired
B057701	Tier 2	3.0	Fuel Producer: RNG MOOVERS, LLC (1704); Facility Name: RNG MOOVERS COSTA VIEW (72601); Biogas from dairy manure at Costa View Farms in Madera, CA; upgraded to pipeline quality at RNG MOOVERS COSTA VIEW; trucked to pipeline injection site and pipelined to California for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05770100	-400.89	6/24/2024	Application Package	Bio-CNG	RNG MOOVERS, LLC (1704)	RNG MOOVERS COSTA VIEW (72601)	Biogas from dairy manure at Costa View Farms in Madera, CA; upgraded to pipeline quality at RNG MOOVERS COSTA VIEW; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	None	Retired
B060001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Art Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06000100	-416.19	6/27/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Art Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B060002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Gerben and Pauline Leyendekker Dairy, South Corner Dairy, and Rocky Road Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06000200	-300.64	6/27/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Gerben and Pauline Leyendekker Dairy, South Corner Dairy, and Rocky Road Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B060003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Gerben Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06000300	-371.43	6/27/2024	Application Package	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Gerben Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B060401	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Snowflake Farm (F00579); Biogas from swine manure at Snowflake Farm in Snowflake, AZ; upgraded to pipeline quality at Snowflake Farm; trucked to pipeline injection site and pipelined to California for transportation use (PROV3.0)	Arizona	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B06040100	-419.55	6/28/2024	Application Package	Bio-CNG	Anew RNG, LLC (5877)	Snowflake Farm (F00579)	Biogas from swine manure at Snowflake Farm in Snowflake, AZ; upgraded to pipeline quality at Snowflake Farm; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	None	Retired
B054301	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Vintage Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430100	-293.62	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Vintage Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054302	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Hettinga Farms in Pixley, CA, and Avenue 128 Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430200	-419.43	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Hettinga Farms in Pixley, CA, and Avenue 128 Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054303	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at V2 Cattle in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430300	-420.21	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at V2 Cattle in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054304	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Williams Family Dairy in Pixley, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430400	-419.49	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Williams Family Dairy in Pixley, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054305	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at JR Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430500	-226.01	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at JR Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B054306	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Mario Simoes Family Dairy and Joe M. Simoes Family Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B05430600	-284.27	9/27/2024	Application Package	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Mario Simoes Family Dairy and Joe M. Simoes Family Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B060301	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco Hub 3 (72841); Biogas from dairy manure at Hartley Farms in Dalhart, TX; upgraded to pipeline quality at Greengasco Hub 3; pipelined to CA for transportation use (PROV3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06030100	-378.00	9/30/2024	Application Package	Bio-CNG	GREENGASCO, LLC (1681)	Greengasco Hub 3 (72841)	Biogas from dairy manure at Hartley Farms in Dalhart, TX; upgraded to pipeline quality at Greengasco Hub 3; pipelined to CA for transportation use (Provisional)	None	Retired
B061501	Tier 2	3.0	Fuel Producer: FC Jerseys Energy, LLC (C1217); Facility Name: FC Jerseys Energy, LLC (F00544); Biogas from dairy manure at FC Jerseys Dairy in Dalhart, TX; upgraded to pipeline quality at FC Jerseys Energy, LLC; pipelined to CA for transportation use (PROV3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06150100	-335.18	9/30/2024	Application Package	Bio-CNG	FC Jerseys Energy, LLC (C1217)	FC Jerseys Energy, LLC (F00544)	Biogas from dairy manure at FC Jerseys Dairy in Dalhart, TX; upgraded to pipeline quality at FC Jerseys Energy, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
A056901	Tier 1	3.0	Fuel Producer: Messer LLC (f.k.a. Linde LLC) (L012); Facility Name: Live Oak Landfill Gas (F00744); Landfill gas generated at the Live Oak Landfill in Conley, Georgia and upgraded to biomethane at the Air Liquide Advanced Technologies RNG facility; biomethane pipelined to California for use as transportation fuel. (3.0)	Georgia	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01360101	45.86	CNG025A05690100	46.50	10/23/2024	None	Bio-CNG	Messer LLC (f.k.a. Linde LLC) (L012)	Live Oak Landfill Gas (F00744)	Landfill gas generated at the Live Oak Landfill in Conley, Georgia and upgraded to biomethane at the Air Liquide Advanced Technologies RNG facility; biomethane pipelined to California for use as transportation fuel.	None	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B061301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: ENTECH GL DAIRY RNG FACILITY (72181); Biogas from dairy manure at Blue Star Dairy and Ziegler Dairy Farms in Middleton, WI, Endres Berry Ridge Farms, Hensen Brothers Dairy, and Maier Farms in Waunakee, WI; upgraded to pipeline quality at ENTECH GL DAIRY RNG FACILITY; trucked to [trun] (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06130100	-273.99	12/26/2024	Application Package	Electricity	U.S. Venture, Inc. (5504)	ENTECH GL DAIRY RNG FACILITY (72181)	Biogas from dairy manure at Blue Star Dairy and Ziegler Dairy Farms in Middleton, WI, Endres Berry Ridge Farms, Hensen Brothers Dairy, and Maier Farms in Waunakee, WI; upgraded to pipeline quality at ENTECH GL DAIRY RNG FACILITY; trucked to [trun] (Provisional)	None	Retired
B062201	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco (F00619); Biogas from dairy manure at North Dumas Farms, LLC in Dumas, TX; upgraded to pipeline quality at Greengasco; pipelined to CA for transportation use (PROV3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06220100	-282.12	12/17/2024	Application Package	Electricity	GREENGASCO, LLC (1681)	Greengasco (F00619)	Biogas from dairy manure at North Dumas Farms, LLC in Dumas, TX; upgraded to pipeline quality at Greengasco; pipelined to CA for transportation use (Provisional)	None	Retired
B066101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Rocking Horse Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06610100	-241.74	12/26/2024	Application Package	Electricity	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Rocking Horse Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B067801	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Biogas from dairy manure at Meirinho Holsteins Dairy in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06780100	-312.50	12/10/2024	Application Package	Electricity	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Biogas from dairy manure at Meirinho Holsteins Dairy in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B067802	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Biogas from dairy manure at Homen Dairy Biogas, LLC in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06780200	-237.28	12/10/2024	Application Package	Electricity	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Biogas from dairy manure at Homen Dairy Biogas, LLC in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B070001	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Athena RNG - Boadwine (F00570); Biogas from dairy manure at Boadwine Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use (PROV3.0)	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07000100	-226.49	12/27/2024	Application Package	Electricity	Brightmark RNG Holdings LLC (C1197)	Brightmark Athena RNG - Boadwine (F00570)	Biogas from dairy manure at Boadwine Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use (Provisional)	None	Retired
B069901	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Athena RNG - Mooody (F00569); Biogas from dairy manure at Mooody Farm in Sherman, SD; upgraded to pipeline quality at Brightmark Athena RNG – Mooody; pipelined to CA for transportation use (PROV3.0)	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06990100	-293.47	12/27/2024	Application Package	Electricity	Brightmark RNG Holdings LLC (C1197)	Brightmark Athena RNG - Mooody (F00569)	Biogas from dairy manure at Mooody Farm in Sherman, SD; upgraded to pipeline quality at Brightmark Athena RNG – Mooody; pipelined to CA for transportation use (Provisional)	None	Retired
B070002	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Athena RNG - Boadwine (F00570); Biogas from dairy manure at Pioneer Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use (PROV3.0)	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07000200	-237.84	12/27/2024	Application Package	Electricity	Brightmark RNG Holdings LLC (C1197)	Brightmark Athena RNG - Boadwine (F00570)	Biogas from dairy manure at Pioneer Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use (Provisional)	None	Retired
B072901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: CEA GREELY, LLC (72281); Biogas from dairy manure at Johnson Dairy Farm in Eaton, CO and Marrs Milky Way Farm in Ault, CO, and Longs Peak Pierce Farm in Pierce, CO; upgraded to pipeline quality at CEA GREELY, LLC; pipelined to CA for transportation use (PROV3.0)	Colorado	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07290100	-303.74	12/26/2024	Application Package	Electricity	Anew RNG, LLC (5877)	CEA GREELY, LLC (72281)	Biogas from dairy manure at Johnson Dairy Farm in Eaton, CO and Marrs Milky Way Farm in Ault, CO, and Longs Peak Pierce Farm in Pierce, CO; upgraded to pipeline quality at CEA GREELY, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
A011001	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Ameresco Woodland Meadows Romulus, LLC (A0833); Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California (3.0)	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01100102	46.33	CNG025A01100103	46.54	11/15/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	Ameresco Woodland Meadows Romulus, LLC (A0833)	Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California	2023 AFPR Recert Complete	Retired
A011501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ameresco San Antonio Biogas (71204); Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel (3.0)	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01150102	36.73	CNG030A01150103	40.00	11/15/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Ameresco San Antonio Biogas (71204)	Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	2023 AFPR Recert Complete	Retired
A015601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ninety-First Avenue Renewable Biogas LLC (70241); Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel (3.0)	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01560101	25.35	CNG030A01560102	29.00	11/15/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Ninety-First Avenue Renewable Biogas LLC (70241)	Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel	2023 AFPR Recert Complete	Retired
A017101	Tier 1	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026A01710101	-185.00	CNG026A01710102	-165.00	11/5/2024	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California	2023 AFPR Recert Complete	Retired
B007201	Tier 2	3.0	Fuel Producer: IOGEN D3 BIOFUEL PARTNERS II LLC (7180); Facility Name: ResilientIG Threemile Acquisition LLC (F00100); Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use (3.0)	Oregon	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00720103	-176.78	CNG026B00720104	-143.57	10/29/2024	None	Bio-CNG	IOGEN D3 BIOFUEL PARTNERS II LLC (7180)	ResilientIG Threemile Acquisition LLC (F00100)	Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B009601	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Dairy Dreams (F00127); Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00960102	-372.40	CNG026B00960103	-355.00	11/18/2024	None	Bio-CNG	Clean Energy (5481)	Calumet - Dairy Dreams (F00127)	Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B009701	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Ponderosa (F00128); Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00970101	-445.37	CNG026B00970102	-269.00	11/18/2024	None	Bio-CNG	Clean Energy (5481)	Calumet - Ponderosa (F00128)	Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B010901	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090102	-288.39	CNG026B01090103	-243.00	11/18/2024	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B010902	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090202	-278.19	CNG026B01090203	-253.00	11/18/2024	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B010903	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090302	-247.83	CNG026B01090303	-254.00	11/18/2024	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B009801	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Circle A Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980102	-419.92	CNG026B00980103	-409.65	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Circle A Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B009802	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980202	-418.16	CNG026B00980203	-408.20	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2023 AFPR Recert Complete	Retired
B009803	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980301	-420.09	CNG026B00980302	-409.51	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2023 AFPR Recert Complete	Retired
B009804	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980401	-419.74	CNG026B00980402	-339.52	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2023 AFPR Recert Complete	Retired
B009805	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Sousa and Sousa Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980502	-419.77	CNG026B00980503	-389.47	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Sousa and Sousa Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2023 AFPR Recert Complete	Retired
B009806	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980602	-227.28	CNG026B00980603	-249.60	12/9/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2023 AFPR Recert Complete	Retired
A023201	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG. (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02320101	42.66	CNG025A02320102	39.48	11/22/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG.	2023 AFPR Recert Complete	Retired
B010201	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020106	-403.57	CNG026B01020108	-260.00	6/26/2025	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B010202	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use (3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020201	-392.30	CNG026B01020203	-240.00	6/26/2025	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B010801	Tier 2	3.0	Fuel Producer: AgPower Jerome, LLC (C1036); Facility Name: AgPower Jerome RNG Project (F00077); Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use (3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01080103	-170.00	CNG026B01080104	-125.00	11/5/2024	None	Bio-CNG	AgPower Jerome, LLC (C1036)	AgPower Jerome RNG Project (F00077)	Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
A027401	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California (3.0)	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A02740103	41.23	CNG030A02740104	38.36	11/22/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California	2023 AFPR Recert Complete	Retired

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B012701	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270102	-419.62	CNG026B01270104	-409.43	11/27/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B012702	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270201	-420.14	CNG026B01270203	-409.67	11/27/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B012703	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270302	-420.70	CNG026B01270304	-410.26	11/27/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B012704	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270401	-410.41	CNG026B01270403	-408.99	11/27/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
A027601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Meadow Branch Landfill Gas Processing Facility (71252); Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel (3.0)	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02760101	45.83	CNG025A02760102	50.00	11/20/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Meadow Branch Landfill Gas Processing Facility (71252)	Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel	2023 AFPR Recert Complete	Retired
B013901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ruckman Farm (71256); Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Allbany, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01390100	-431.79	CNG044B01390101	-324.00	12/3/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Ruckman Farm (71256)	Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Allbany, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations	2023 AFPR Recert Complete	Retired
B014101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Locust Ridge Farm (71298); Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01410100	-449.66	CNG044B01410101	-407.00	12/3/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Locust Ridge Farm (71298)	Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas	2023 AFPR Recert Complete	Retired
B014301	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01430102	-429.14	CNG044B01430103	-346.00	11/3/2023	None	Bio-CNG	Anew RNG, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	2023 AFPR Recert Complete	Retired
B014901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: South Meadows Farm (F00195); Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01490101	-319.70	CNG044B01490102	-336.00	12/3/2024	None	Bio-CNG	Anew RNG, LLC (5877)	South Meadows Farm (F00195)	Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California	2023 AFPR Recert Complete	Retired
B016501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Greengasco, LLC (F00154); Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use (3.0)	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01650101	-392.30	CNG026B01650102	-240.00	10/17/2024	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Greengasco, LLC (F00154)	Biogas from Dairy Manure at Exum Dairy in Stratford, Texas; Upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	
B018501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850102	-271.24	CNG026B01850103	-194.02	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B018502	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850202	-282.99	CNG026B01850203	-305.55	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B018503	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850301	-401.96	CNG026B01850302	-354.20	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B018701	Tier 2	3.0	Fuel Producer: Dry Creek RNG LLC (C1098); Facility Name: Dry Creek RNG Project (F00342); Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use (3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01870102	-421.46	CNG026B01870103	-425.00	11/5/2024	None	Bio-CNG	Dry Creek RNG LLC (C1098)	Dry Creek RNG Project (F00342)	Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B019701	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970101	-208.60	CNG026B01970102	-229.00	11/5/2024	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2023 AFPR Recert Complete	Retired

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B019702	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970201	-149.41	CNG026B01970202	-130.00	11/5/2024	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2023 AFPR Recert Complete	Retired
B019703	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California (3.0)	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970301	-332.22	CNG026B01970302	-303.00	11/5/2024	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2023 AFPR Recert Complete	Retired
B019801	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980102	-343.44	CNG026B01980103	-310.52	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B019802	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980201	-419.15	CNG026B01980202	-392.36	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B019803	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980301	-413.34	CNG026B01980302	-372.68	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B019804	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980401	-324.70	CNG026B01980402	-309.72	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B019805	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980501	-420.53	CNG026B01980502	-392.49	12/9/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B020701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070102	-136.71	CNG026B02070103	-130.00	11/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations	2023 AFPR Recert Complete	Retired
B020702	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070202	-185.59	CNG026B02070203	-190.00	11/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations	2023 AFPR Recert Complete	Retired
B021501	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: Rosendale Renewable Energy, LLC (71041); Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02150101	-337.05	CNG026B02150102	-290.00	12/9/2024	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	Rosendale Renewable Energy, LLC (71041)	Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B021601	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: KEWAUNEE RENEWABLE ENERGY, LLC (71003); Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02160102	-225.64	CNG026B02160103	-190.00	12/9/2024	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	KEWAUNEE RENEWABLE ENERGY, LLC (71003)	Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B021701	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: NEW CHESTER RENEWABLE ENERGY, LLC (71181); Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02170102	-234.87	CNG026B02170103	-240.00	12/9/2024	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	NEW CHESTER RENEWABLE ENERGY, LLC (71181)	Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B021901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: HOMAN FARM (71343); RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02190102	-403.69	CNG044B02190103	-374.00	12/3/2024	None	Bio-CNG	Anew RNG, LLC (5877)	HOMAN FARM (71343)	RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B022001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: SOMERSET FARM (71381); Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02200103	-382.99	CNG044B02200104	-300.00	12/6/2024	None	Bio-CNG	Anew RNG, LLC (5877)	SOMERSET FARM (71381)	Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
A041301	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Imperial Landfill Gas Company, LLC (F00219); Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG. (3.0)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04130100	53.19	CNG025A04130102	54.49	11/20/2024	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Imperial Landfill Gas Company, LLC (F00219)	Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG.	2023 AFPR Recert Complete	Retired

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A041601	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Greentree Landfill Gas Company (F00212); Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. (3.0)	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04160102	74.90	CNG025A04160104	84.83	11/20/2024	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Greentree Landfill Gas Company (F00212)	Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG.	2023 AFPR Recert Complete	Retired
A043901	Tier 1	3.0	Fuel Producer: WM Renewable Energy, LLC (W978); Facility Name: Skyline RNG Facility (F00217); Biomethane from Landfill at Ferris, Texas upgrading at Waste Management, pipelined to California for compression to CNG (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04390100	53.17	CNG025A04390101	52.41	11/22/2024	None	Bio-CNG	WM Renewable Energy, LLC (W978)	Skyline RNG Facility (F00217)	Biomethane from Landfill at Ferris, Texas upgrading at Waste Management, pipelined to California for compression to CNG	2023 AFPR Recert Complete	
B025001	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500101	-187.55	CNG026B02500103	-147.00	10/30/2024	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B025002	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500201	-258.09	CNG026B02500203	-214.00	10/30/2024	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B025003	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use (3.0)	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500301	-224.53	CNG026B02500303	-204.00	10/30/2024	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B028201	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY S&S (71361); Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02820101	-360.00	CNG026B02820102	-360.00	10/29/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY S&S (71361)	Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B028301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEER RUN RNG PROJECT (71482); Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02830101	-194.44	CNG026B02830102	-143.80	11/5/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	DEER RUN RNG PROJECT (71482)	Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
A046101	Tier 1	3.0	Fuel Producer: GARLAND RENEWABLES, LLC (1639); Facility Name: GARLAND RENEWABLES, LLC (71921; Landfill Gas generated at Garland Landfil in Rowlett, Texas upgraded to Biomethane at Garland Renewables; pipelined to California for compression and distribution to CNG refueling stations. (3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04610100	32.52	CNG025A04610102	32.42	11/20/2024	None	Bio-CNG	GARLAND RENEWABLES, LLC (1639)	GARLAND RENEWABLES, LLC (71921	Landfill Gas generated at Garland Landfill in Rowlett, Texas upgraded to Biomethane at Garland Renewables; pipelined to California for compression and distribution to CNG refueling stations.	2023 AFPR Recert Complete	
B030701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070101	-325.32	CNG026B03070102	-288.83	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B030702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070201	-361.69	CNG026B03070202	-303.29	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B030703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070301	-256.77	CNG026B03070302	-219.24	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B030704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070401	-247.40	CNG026B03070402	-222.01	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B030705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070501	-411.56	CNG026B03070502	-386.06	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100101	-420.78	CNG026B03100102	-370.66	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100201	-257.14	CNG026B03100202	-228.64	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired

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B031003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100301	-415.27	CNG026B03100302	-351.79	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031004	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100401	-372.09	CNG026B03100402	-299.36	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031005	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100501	-369.61	CNG026B03100502	-293.10	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031006	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100601	-324.13	CNG026B03100602	-194.91	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110102	-348.56	CNG026B03110103	-270.70	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031102	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110201	-336.76	CNG026B03110202	-330.93	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031103	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110301	-423.14	CNG026B03110302	-398.23	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031104	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110401	-334.72	CNG026B03110402	-233.55	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031105	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110501	-307.02	CNG026B03110502	-245.29	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031106	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110601	-392.14	CNG026B03110602	-319.09	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031107	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110701	-318.92	CNG026B03110702	-270.2	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031108	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110801	-331.28	CNG026B03110802	-263.48	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B031501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03150101	-409.96	CNG026B03150102	-363.81	11/18/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B033801	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: DALHART RNG, LLC (70981); Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use (3.0)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03380101	-430.20	CNG044B03380102	-410.00	12/6/2024	None	Bio-CNG	Anew RNG, LLC (5877)	DALHART RNG, LLC (70981)	Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B034501	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAKESHORE RNG PROJECT (71321); Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03450101	-296.42	CNG026B03450102	-241.33	11/5/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAKESHORE RNG PROJECT (71321)	Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired

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B034601	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAMB RNG PROJECT (71101); Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03460101	-272.73	CNG026B03460102	-280.33	11/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAMB RNG PROJECT (71101)	Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B034701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET BOXLER RNG PROJECT (71222); Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03470100	-206.88	CNG026B03470101	-199.67	10/17/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET BOXLER RNG PROJECT (71222)	Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B035301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY DALLMAN (71341); Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03530101	-319.04	CNG026B03530102	-316.31	11/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY DALLMAN (71341)	Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B035201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520101	-423.12	CNG026B03520102	-374.68	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B035202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520201	-353.82	CNG026B03520202	-357.4	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B036901	Tier 2	3.0	Fuel Producer: MONTAUK ENERGY HOLDINGS, LLC (6139); Facility Name: Pico Energy, LLC (71221); Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use. (3.0)	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03690100	-260.56	CNG026B03690101	-368.95	10/17/2024	None	Bio-CNG	MONTAUK ENERGY HOLDINGS, LLC (6139)	Pico Energy, LLC (71221)	Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use.	2023 AFPR Recert Complete	Retired
B037001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: GREEN HILLS FARM (71881); Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03700101	-402.51	CNG044B03700102	-284.00	12/6/2024	None	Bio-CNG	Anew RNG, LLC (5877)	GREEN HILLS FARM (71881)	Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B037101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: WHITETAIL FARM (71882); Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use (3.0)	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03710101	-374.61	CNG044B03710102	-247.00	12/6/2024	None	Bio-CNG	Anew RNG, LLC (5877)	WHITETAIL FARM (71882)	Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
A049401	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Tres Rios Water Reclamation Facility (F00443); Biomethane derived from anaerobic digestion of wastewater sludge. (3.0)	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A04940100	27.41	CNG030A04940101	29.00	11/26/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Tres Rios Water Reclamation Facility (F00443)	Biomethane derived from anaerobic digestion of wastewater sludge.	2023 AFPR Recert Complete	Retired
B038501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Green Valley Dairy LLC (F00198); Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03850101	-180.62	CNG026B03850102	-167.50	11/18/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Green Valley Dairy LLC (F00198)	Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B039301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY CLOVER HILL (71261); Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03930100	-204.42	CNG026B03930101	-191.64	10/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY CLOVER HILL (71261)	Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B039601	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960100	-411.32	CNG026B03960101	-415.05	10/18/2024	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use.	2023 AFPR Recert Complete	Retired
B039602	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960200	-416.41	CNG026B03960201	-243.99	10/18/2024	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use	2023 AFPR Recert Complete	Retired
B039603	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at River Ranch Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960300	-417.71	CNG026B03960301	-414.99	10/18/2024	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at River Ranch Dairy In Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use.	2023 AFPR Recert Complete	Retired
B039604	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960400	-418.87	CNG026B03960401	-414.95	10/18/2024	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired

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B040001	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET ZUBER RNG PROJECT (71121); Biogas from Dairy Manure at Zuber Farms in Byron, NY; and E&M ZUBER LLC in Elba, NY; upgraded to pipeline quality at Yellow Jacket Zuber RNG Project; pipelined to California for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04000100	-164.62	CNG026B04000101	-150.41	10/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET ZUBER RNG PROJECT (71121)	Biogas from Dairy Manure at Zuber Farms in Byron, NY; and E&M ZUBER LLC in Elba, NY; upgraded to pipeline quality at Yellow Jacket Zuber RNG Project; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B040101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET SWISS VALLEY RNG PROJECT (71161); Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04010101	-187.99	CNG026B04010102	-170.34	11/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET SWISS VALLEY RNG PROJECT (71161)	Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B040301	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04030100	-419.40	CNG026B04030101	-369.27	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B040401	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: AUGEAN RNG PROJECT (71081); Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use. (3.0)	Washington	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04040100	-216.63	CNG026B04040101	-200.31	10/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	AUGEAN RNG PROJECT (71081)	Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use.	2023 AFPR Recert Complete	Retired
B042001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: RIALTO Bioenergy (F00475); Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use (PROV3.0)	California	Food Scraps/Waste (027)	Compressed Natural Gas (CNG)	CNG027B04200100	-28.20	CNG027B04200101	30.00	11/26/2024	None	Bio-CNG	Anew RNG, LLC (5877)	RIALTO Bioenergy (F00475)	Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B042201	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220100	-416.31	CNG026B04220101	-397.34	10/15/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042202	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220200	-429.59	CNG026B04220201	-288.18	10/15/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042203	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220300	-249.95	CNG026B04220301	-287.58	10/17/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042204	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220400	-260.14	CNG026B04220401	-187.32	10/17/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042205	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220500	-411.49	CNG026B04220501	-258.91	10/17/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042206	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220600	-418.96	CNG026B04220601	-397.80	10/17/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B042207	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220700	-328.54	CNG026B04220701	-357.77	10/17/2024	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B043801	Tier 2	3.0	Fuel Producer: Lone Oak Energy, LLC (C1177); Facility Name: Lone Oak Energy, LLC (F00542); Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04380100	-404.74	CNG026B04380101	-240.44	10/21/2024	None	Bio-CNG	Lone Oak Energy, LLC (C1177)	Lone Oak Energy, LLC (F00542)	Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
A050801	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Eugene/Springfield Water Pollution Control Facility (F00546); RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California. (PROV3.0)	Oregon	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A05080100	34.26	CNG030A05080101	39.00	11/26/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Eugene/Springfield Water Pollution Control Facility (F00546)	RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California. (Provisional)	2023 AFPR Recert Complete	Retired
A051001	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: NOBLE ROAD RNG LLC (72142); Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG (PROV3.0)	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A05100100	48.84	CNG025A05100101	52.25	11/26/2024	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	NOBLE ROAD RNG LLC (72142)	Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG (Provisional)	2023 AFPR Recert Complete	Retired

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B045001	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEMETER RNG PROJECT (71302); Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04500100	-191.29	CNG026B04500101	-196.90	10/21/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	DEMETER RNG PROJECT (71302)	Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B046101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04610100	-130.23	CNG026B04610101	-163.97	10/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B046102	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use (3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04610200	-385.43	CNG026B04610201	-225.00	10/18/2024	None	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B045901	Tier 2	3.0	Fuel Producer: Still Water Power, LLC (C1180); Facility Name: Still Water Power, LLC (F00552); Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04590100	-332.64	CNG026B04590101	-305.73	10/21/2024	None	Bio-CNG	Still Water Power, LLC (C1180)	Still Water Power, LLC (F00552)	Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B047301	Tier 2	3.0	Fuel Producer: SUNOMA RENEWABLE BIOFUEL, LLC (1781); Facility Name: Sunoma Renewable Biofuel, LLC (F00497); Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use (3.0)	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04730100	-386.78	CNG026B04730101	-340.73	10/21/2024	None	Bio-CNG	SUNOMA RENEWABLE BIOFUEL, LLC (1781)	Sunoma Renewable Biofuel, LLC (F00497)	Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B048501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: SANCO Services Anaerobic Digestor Plant (F00478); Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use. (PROV3.0)	California	Other Organic Waste (029)	Compressed Natural Gas (CNG)	CNG029B04850100	-38.8	CNG029B04850101	-23.47	11/26/2024	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	SANCO Services Anaerobic Digestor Plant (F00478)	Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use. (Provisional)	2023 AFPR Recert Complete	Retired
B048901	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Helios RNG LLC - Lawnhurst (F00521); Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use (3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04890100	-185.62	CNG026B04890101	-87.44	10/21/2024	None	Bio-CNG	Brightmark RNG Holdings LLC (C1197)	Brightmark Helios RNG LLC - Lawnhurst (F00521)	Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use	2023 AFPR Recert Complete	Retired
B049701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970100	-286.86	CNG026B04970101	-218.05	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B049702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970200	-374.02	CNG026B04970201	-336.03	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B049703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970300	-420.94	CNG026B04970301	-395.67	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B049704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970400	-422.13	CNG026B04970401	-396.78	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B049705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970500	-396.08	CNG026B04970501	-349.82	12/10/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020100	-425.8	CNG026B05020101	-375.11	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020200	-369.97	CNG026B05020201	-341.22	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050203	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020300	-319.26	CNG026B05020301	-185.93	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired

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B050204	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020400	-425.59	CNG026B05020401	-351.76	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050205	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020500	-361.18	CNG026B05020501	-299.70	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050206	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020600	-292.09	CNG026B05020601	-255.75	12/16/2024	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B050401	Tier 2	3.0	Fuel Producer: Brightmark RNG Holdings LLC (C1197); Facility Name: Brightmark Helios RNG – Gardeau Crest (F00533); Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05040100	-293.98	CNG026B05040101	-227.37	10/29/2024	None	Bio-CNG	Brightmark RNG Holdings LLC (C1197)	Brightmark Helios RNG – Gardeau Crest (F00533)	Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
B051401	Tier 2	3.0	Fuel Producer: FM Jerseys Dairy Biogas, LLC (C1178); Facility Name: FM Jerseys Dairy Digester (F00479); Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05140100	-426.46	CNG026B05140101	-397.03	10/29/2024	None	Bio-CNG	FM Jerseys Dairy Biogas, LLC (C1178)	FM Jerseys Dairy Digester (F00479)	Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B051501	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Channel Islands Dairy (F00439); Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use (3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05150100	-425.31	CNG026B05150101	-414.29	12/16/2024	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Channel Islands Dairy (F00439)	Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use	2023 AFPR Recert Complete	Retired
B053501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Sunray-Taylor Biogas (F00536); Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use (PROV3.0)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B05350100	-399.2	CNG044B05350101	-390.00	12/6/2024	None	Bio-CNG	Anew RNG, LLC (5877)	Sunray-Taylor Biogas (F00536)	Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use (Provisional)	2023 AFPR Recert Complete	Retired
A058501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Blue Ridge Renewables (F00189); Biomethane from Landfill at 2200 FM 521, Fresno, TX, US 77545 upgrading at Anew RNG, LLC, pipelined to California for compression to CNG (PROV3.0)	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	None	None	CNG025A05850100	36.73	2/11/2025	None	Bio-CNG	Anew RNG, LLC (5877)	Blue Ridge Renewables (F00189)	Biomethane from Landfill at 2200 FM 521, Fresno, TX, US 77545 upgrading at Anew RNG, LLC, pipelined to California for compression to CNG (Provisional)	None	Retired
B068101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Perryton Biogas (F00639); Biogas from swine manure at Perryton Farm in Perryton, TX; upgraded to pipeline quality at Perryton Biogas; pipelined to CA for transportation use (PROV3.0)	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B06810100	-407.01	3/19/2025	Application Package	Bio-CNG	Anew RNG, LLC (5877)	Perryton Biogas (F00639)	Biogas from swine manure at Perryton Farm in Perryton, TX; upgraded to pipeline quality at Perryton Biogas; pipelined to CA for transportation use (Provisional)	None	Retired
B068801	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763) ; Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Open Sky Power, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06880100	-201.74	4/1/2025	Application Package	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Open Sky Power, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B068802	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Wilson Dairy Biogas, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06880200	-227.61	4/1/2025	Application Package	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Wilson Dairy Biogas, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B068803	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Van der Hoek Dairy Biogas, LLC in Helm CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06880300	-401.12	4/1/2025	Application Package	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Van der Hoek Dairy Biogas, LLC in Helm CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B068804	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at L&J Vanderham Energy, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06880400	-199.97	4/1/2025	Application Package	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at L&J Vanderham Energy, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B068805	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Van der Kooi Dairy Power LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06880500	-183.56	4/1/2025	Application Package	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Van der Kooi Dairy Power LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B069201	Tier 2	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Spruce Haven Dairy (F00568); Biogas from dairy manure at Spruce Haven Dairy in Union Springs, NY; upgraded to pipeline quality at Spruce Haven Dairy; pipelined to CA for transportation use (PROV3.0)	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B06920100	-368.72	3/28/2025	Application Package	Bio-CNG	GHI Energy, LLC (6156)	Spruce Haven Dairy (F00568)	Biogas from dairy manure at Spruce Haven Dairy in Union Springs, NY; upgraded to pipeline quality at Spruce Haven Dairy; pipelined to CA for transportation use (Provisional)	None	Retired

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B069801	Tier 2	3.0	Fuel Producer: WOF SW GGP 1 LLC (W009); Facility Name: Green Gas Partners Stanfield (F00003); Biogas from dairy manure at Shamrock Farms Dairy, Zinke Dairy, Inc., D&I Holstein, LLC, Feenstra Friesians in Stanfield, AZ, T&K Red River Dairy in Maricopa, AZ, Dickman & Sons Dairy LLC in Coolidge, AZ, and Arizona Dairy Co. LLP in Gila Bend, AZ; [trunc] (PROV3.0)	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03080100	-362.84	CNG026B06980100	-367.79	3/28/2025	Application Package	Bio-CNG	WOF SW GGP 1 LLC (W009)	Green Gas Partners Stanfield (F00003)	Biogas from dairy manure at Shamrock Farms Dairy, Zinke Dairy, Inc., D&I Holstein, LLC, Feenstra Friesians in Stanfield, AZ, T&K Red River Dairy in Maricopa, AZ, Dickman & Sons Dairy LLC in Coolidge, AZ, and Arizona Dairy Co. LLP in Gila Bend, AZ; [trunc] (Provisional)	None	
B072201	Tier 2	3.0	Fuel Producer: NLC Energy LLC (6496); Facility Name: NLC Energy Denmark LLC (70242); Biogas from dairy manure at Rolling Hills Dairy, LLC, Leiterman Dairy, Barta Farm, LLC, Heim's Hillcrest Dairy, LLC, Branch View Dairy Farm, D&D Dairy, Habeck Homestead Farms, LLC, Kostechka Dairy LLC, Neighborhood Dairy, United Vision Dairy LLC, [trunc] (PROV3.0)	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03830100	-284.21	CNG026B07220100	-206.65	4/1/2025	Application Package	Bio-CNG	NLC Energy LLC (6496)	NLC Energy Denmark LLC (70242)	Biogas from dairy manure at Rolling Hills Dairy, LLC, Leiterman Dairy, Barta Farm, LLC, Heim's Hillcrest Dairy, LLC, Branch View Dairy Farm, D&D Dairy, Habeck Homestead Farms, LLC, Kostechka Dairy LLC, Neighborhood Dairy, United Vision Dairy LLC, [trunc] (Provisional)	None	
B072501	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Meadowvale Dairy, LLC in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (PROV3.0)	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07250100	-345.33	3/26/2025	Application Package	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Meadowvale Dairy, LLC in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072502	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Rock River Jerseys, LLC in Inwood, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (PROV3.0)	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07250200	-332.36	3/26/2025	Application Package	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Rock River Jerseys, LLC in Inwood, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072503	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Winding Meadows Dairy, Inc. in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (PROV3.0)	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07250300	-351.61	3/26/2025	Application Package	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Winding Meadows Dairy, Inc. in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072701	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158) ; Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Lakeside Energy Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07270100	-210.46	4/1/2025	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Lakeside Energy Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072702	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Yokum Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07270200	-327.18	4/1/2025	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Yokum Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072703	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Poplar Lane Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07270300	-296.72	4/1/2025	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Poplar Lane Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B072704	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at High Roller Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07270400	-345.44	4/1/2025	Application Package	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at High Roller Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use (Provisional)	None	Retired
B077101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Grady Swine Facility (F00630); Biogas from swine manure at Kilpatrick Farm, Goodson Farm, M&M-Waters Farm, Dell Farm, DM Section 2, and DM Farm Section 3 in NC; upgraded to pipeline quality at Grady Swine Facility; pipelined to California for transportation use (PROV3.0)	North Carolina	Swine Manure (044)	Compressed Natural Gas (CNG)	None	None	CNG044B07710100	-373.63	3/27/2025	Application Package	Bio-CNG	Anew RNG, LLC (5877)	Grady Swine Facility (F00630)	Biogas from swine manure at Kilpatrick Farm, Goodson Farm, M&M-Waters Farm, Dell Farm, DM Section 2, and DM Farm Section 3 in NC; upgraded to pipeline quality at Grady Swine Facility; pipelined to California for transportation use (Provisional)	None	Retired
B019101	Tier 2	3.0	Fuel Producer: California Renewable Power LLC(C196); Facility Name: California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270); Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles. (3.0)	California	Urban Landscaping Waste (028)	Compressed Natural Gas (CNG)	CNG028B01910101	72.26	CNG028B01910102	13.87	4/2/2025	None	Bio-CNG	California Renewable Power LLC(C196)	California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270)	Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles.	2023 AFPR Recert Complete	Retired
B073001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877) ; Facility Name: RDB Environmental, LLC (F00556); Biogas from dairy manure at Hidden View Dairy LLC. in Rensselaer, IN; upgraded to pipeline quality at RDB Environmental, LLC; pipelined to CA for transportation use (PROV3.0)		Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07300100	-117.30	6/27/2025	Application Package	Bio-CNG	Anew RNG, LLC (5877)	RDB Environmental, LLC (F00556)	Biogas from dairy manure at Hidden View Dairy LLC. in Rensselaer, IN; upgraded to pipeline quality at RDB Environmental, LLC; pipelined to CA for transportation use (Provisional)	None	
B073002	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877) ; Facility Name: RDB Environmental, LLC (F00556); Biogas from dairy manure at De Jong Family Farm in Francesville, IN; upgraded to pipeline quality at RDB Environmental, LLC; pipelined to CA for transportation use (PROV3.0)		Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07300200	-200.00	6/27/2025	Application Package	Bio-CNG	Anew RNG, LLC (5877)	RDB Environmental, LLC (F00556)	Biogas from dairy manure at De Jong Family Farm in Francesville, IN; upgraded to pipeline quality at RDB Environmental, LLC; pipelined to CA for transportation use (Provisional)	None	
B075901	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566) ; Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at Double D Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590100	-419.18	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at Double D Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B075902	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at Paul Ackerman Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590200	-335.73	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at Paul Ackerman Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	

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B075903	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at AHLEM FARMS JERSEY in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590300	-415.25	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at AHLEM FARMS JERSEY in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B075904	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at Pinnacle Dairy LP in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590400	-416.17	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at Pinnacle Dairy LP in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B075905	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at S & S Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590500	-415.46	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at S & S Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B075906	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at Trinkler Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590600	-363.33	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at Trinkler Dairy in Ceres, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B075907	Tier 2	3.0	Fuel Producer: Aemetis Advanced Fuels Keyes, Inc. (3566); Facility Name: Aemetis Biogas LLC (F00629); Biogas from dairy manure at Mendes Dairy and AM3 Dairy in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (PROV3.0)	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B07590700	-327.95	6/26/2025	Application Package	Bio-CNG	Aemetis Advanced Fuels Keyes, Inc. (3566)	Aemetis Biogas LLC (F00629)	Biogas from dairy manure at Mendes Dairy and AM3 Dairy in Crows Landing, CA; upgraded to pipeline quality at Aemetis Biogas LLC; pipelined to CA for transportation use (Provisional)	None	
B081001	Tier 2	3.0	Fuel Producer: LF Bioenergy LLC (C1241); Facility Name: LF Bioenergy LF1, LLC (F00657); Biogas from dairy manure at Stauffer Farms LLC in North Lawrence, NY and Forest View Heifers LLC in Nicholville, NY; upgraded to pipeline quality at LF Bioenergy LF1, LLC; pipelined to CA for transportation use [PROV3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B08100100		9/24/2025	Application Package	Bio-CNG	LF Bioenergy LLC (C1241)	LF Bioenergy LF1, LLC (F00657)	Biogas from dairy manure at Stauffer Farms LLC in North Lawrence, NY and Forest View Heifers LLC in Nicholville, NY; upgraded to pipeline quality at LF Bioenergy LF1, LLC; pipelined to CA for transportation use (Provisional)	None	
B082401	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Willow Point RNG LLC (F00644); Biogas from dairy manure at Willow Point Dairy, LLC in Orleans, MI; upgraded to pipeline quality at Chevron Willow Point RNG LLC; trucked to pipeline injection site and pipelined to California for transportation use [PROV3.0]	Michigan	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B08240100	-250.00	9/30/2025	Application Package	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Willow Point RNG LLC (F00644)	Biogas from dairy manure at Willow Point Dairy, LLC in Orleans, MI; upgraded to pipeline quality at Chevron Willow Point RNG LLC; trucked to pipeline injection site and pipelined to California for transportation use (Provisional)	None	
B054401	Tier 2	3.0	Fuel Producer: RNG MOOVERS, LLC (1704); Facility Name: RNG MOOVERS SOARES (72021); Biogas from dairy manure at Jose Soares Dairy in Chowchilla, CA; upgraded to pipeline quality at RNG MOOVERS SOARES; pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05440100	-413.37	CNG026B05440101	-200.00	12/19/2025	None	Bio-CNG	RNG MOOVERS, LLC (1704)	RNG MOOVERS SOARES (72021)	Biogas from dairy manure at Jose Soares Dairy in Chowchilla, CA; upgraded to pipeline quality at RNG MOOVERS SOARES; pipelined to California for transportation use	2024 AFPR Recert Complete	
B072501	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Meadowvale Dairy, LLC in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use [PROV3.0]	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07250100	-345.33	CNG026B07250101	-345.33	12/18/2025	None	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Meadowvale Dairy, LLC in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
B072502	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Rock River Jerseys, LLC in Inwood, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use [PROV3.0]	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07250200	-332.36	CNG026B07250201	-290.00	12/18/2025	None	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Rock River Jerseys, LLC in Inwood, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
B072503	Tier 2	3.0	Fuel Producer: GEVO NW IOWA RNG, LLC (1907); Facility Name: Gevo NW Iowa RNG, LLC (72561); Biogas from dairy manure at Winding Meadows Dairy, Inc. in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use [PROV3.0]	Iowa	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07250300	-351.61	CNG026B07250301	-307.00	12/18/2025	None	Bio-CNG	GEVO NW IOWA RNG, LLC (1907)	Gevo NW Iowa RNG, LLC (72561)	Biogas from dairy manure at Winding Meadows Dairy, Inc. in Rock Valley, IA; upgraded to pipeline quality at Gevo NW Iowa RNG, LLC; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
A011001	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Ameresco Woodland Meadows Romulus, LLC (A0833); Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California [3.0]	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01100103	46.54	CNG025A01100104	55.00	1/12/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	Ameresco Woodland Meadows Romulus, LLC (A0833)	Woodland Meadows landfill gas from Wayne, Michigan to pipeline-quality biomethane; delivered via pipeline to CNG stations in California; liquefied to LNG in Topock, Arizona; and transported by truck and re-gassified to L-CNG in California	2024 AFPR Recert Complete	
A021901	Tier 1	3.0	Fuel Producer: EBI ENERGIE INC. (6459); Facility Name: SAINT-THOMAS BIOMETHANE PLANT (71254); Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc in Quebec, Canada; pipelined to California for compression to CNG [3.0]	Canada	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02190101	31.80	CNG025A02190102	32.00	1/12/2026	None	Bio-CNG	EBI ENERGIE INC. (6459)	SAINT-THOMAS BIOMETHANE PLANT (71254)	Biomethane from Landfill in Saint-Thomas, Quebec; upgrading at EBI Energie Inc in Quebec, Canada; pipelined to California for compression to CNG	2024 AFPR Recert Complete	
A023201	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG. [3.0]	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02320102	39.48	CNG025A02320103	45.00	1/12/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Biomethane from Landfill at Euless, TX 76040; Upgrading at US Gain; Pipelined to California for compression to CNG.	2024 AFPR Recert Complete	
A024101	Tier 1	3.0	Fuel Producer: COMPLEXE ENVIRO CONNEXIONS LTEE (6282); Facility Name: Complexe Enviro Connexions (F00139); Biomethane from Landfill at Quebec Canada, upgrading at Complexe Enviro Connexions Ltée, pipelined to California for compression to CNG [3.0]	Canada	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02410101	30.04	CNG025A02410102	29.65	1/12/2026	None	Bio-CNG	COMPLEXE ENVIRO CONNEXIONS LTEE (6282)	Complexe Enviro Connexions (F00139)	Biomethane from Landfill at Quebec Canada, upgrading at Complexe Enviro Connexions Ltée, pipelined to California for compression to CNG	2024 AFPR Recert Complete	

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
A024701	Tier 1	3.0	Fuel Producer: CANTON RENEWABLES, LLC (5896); Facility Name: CANTON RENEWABLES, LLC (71041); Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG [3.0]	Michigan	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02470104	50.00	CNG025A02470105	60.00	1/13/2026	None	Bio-CNG	CANTON RENEWABLES, LLC (5896)	CANTON RENEWABLES, LLC (71041)	Biomethane from Landfill at 5011 Lilley Rd. Canton, MI 48188 upgrading at Canton Renewables, LLC, pipelined to California for compression to CNG	2024 AFPR Recert Complete	
A027601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Meadow Branch Landfill Gas Processing Facility (71252); Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel [3.0]	Tennessee	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A02760102	50.00	CNG025A02760103	50.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Meadow Branch Landfill Gas Processing Facility (71252)	Biomethane from landfill gas generated in Athens, Tennessee; upgraded at Meadow Branch Landfill Gas Processing Facility, pipelined to California, and dispensed as CNG fuel	2024 AFPR Recert Complete	
A030201	Tier 1	3.0	Fuel Producer: Tomorrow RNG LLC (C1280); Facility Name: Melissa Renewables, LLC (71407); Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG [3.0]	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03020101	34.04	CNG025A03020102	38.32	1/13/2026	None	Bio-CNG	Tomorrow RNG LLC (C1280)	Melissa Renewables, LLC (71407)	Biomethane from Melissa Landfill at Melissa, Texas, upgrading at Melissa Renewables, pipelined to California for compression to CNG	2024 AFPR Recert Complete	
B013901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ruckman Farm (71256); Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Albany, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01390101	-324.00	CNG044B01390102	-398.00	1/9/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Ruckman Farm (71256)	Renewable Natural Gas (RNG) from Swine Manure of Ruckman Farm, Albany, Missouri; RNG is delivered via pipeline to Los Angeles, California and central California locations	2024 AFPR Recert Complete	
B014101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Locust Ridge Farm (71298); Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01410101	-407.00	CNG044B01410102	-391.00	1/9/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Locust Ridge Farm (71298)	Renewable Natural Gas (RNG) from Swine Manure of Locust Ridge Farm, Harris, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California areas	2024 AFPR Recert Complete	
B014301	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Valley View Farm (70021S); Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01430103	-346.00	CNG044B01430104	-354.00	1/12/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Valley View Farm (70021S)	Renewable Natural Gas (RNG) from Swine Manure of Valley View Farms, Greencastle, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California and central California locations	2024 AFPR Recert Complete	
A031001	Tier 1	3.0	Fuel Producer: River Birch, LLC (C1065); Facility Name: River Birch Landfill (F00278); Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG [3.0]	Louisiana	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A03100101	41.37	CNG025A03100102	55.53	1/13/2026	None	Bio-CNG	River Birch, LLC (C1065)	River Birch Landfill (F00278)	Biomethane from River Birch Landfill in Avondale, Louisiana and Jefferson Parish Landfill in Westwego, Louisiana, upgrading at River Birch, LLC, pipelined to California for compression to CNG	2024 AFPR Recert Complete	
B014901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: South Meadows Farm (F00195); Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B01490102	-336.00	CNG044B01490103	-352.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	South Meadows Farm (F00195)	Renewable Natural Gas (RNG) from Swine Manure of South Meadows Farm, Browning, Missouri; transported by truck to pipeline injection point; delivered via pipeline to Los Angeles, California	2024 AFPR Recert Complete	
B020701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070103	-130.00	CNG026B02070104	-102	1/6/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz Home Farm and (5) satellite farms in Sun Prairie, WI; RNG pipelined to multiple California fueling stations	2024 AFPR Recert Complete	
B020702	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Dane Renewable Energy, LLC (F00235); Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02070203	-190.00	CNG026B02070204	-158	1/6/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	Dane Renewable Energy, LLC (F00235)	Renewable Natural Gas (RNG) from Dairy Manure from the Statz B Farm; RNG pipelined to multiple California fueling stations	2024 AFPR Recert Complete	
A040601	Tier 1	3.0	Fuel Producer: Tomorrow RNG LLC (C1280); Facility Name: CITY OF EDINBURG LANDFILL (71223); Biomethane from City of Edinburg Landfill in Edinburg, Texas, upgrading at Edinburg Renewables, LLC, pipelined to California for compression to CNG. [3.0]	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04060100	37.12	CNG025A04060101	37.58	1/13/2026	None	Bio-CNG	Tomorrow RNG LLC (C1280)	CITY OF EDINBURG LANDFILL (71223)	Biomethane from City of Edinburg Landfill in Edinburg, Texas, upgrading at Edinburg Renewables, LLC, pipelined to California for compression to CNG.	2024 AFPR Recert Complete	
B021501	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: Rosendale Renewable Energy, LLC (71041); Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02150102	-290.00	CNG026B02150103	-208.00	1/6/2026	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	Rosendale Renewable Energy, LLC (71041)	Renewable Natural Gas (RNG) from Dairy Manure at Rosendale Farms and upgraded at Rosendale Renewable Energy, LLC in Pickett, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2024 AFPR Recert Complete	
B021901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: HOMAN FARM (71343); RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02190103	-374.00	CNG044B02190104	-359.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	HOMAN FARM (71343)	RNG produced from swine manure of Homan Farm and upgraded at Homan Farm Upgrading, King City, MO; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B022001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: SOMERSET FARM (71381); Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B02200104	-300.00	CNG044B02200105	-280.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	SOMERSET FARM (71381)	Biogas from Swine Manure at Somerset Farm in Powersville, MO; upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
A041301	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Imperial Landfill Gas Company, LLC (F00219); Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG. [3.0]	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04130102	54.49	CNG025A04130103	59.65	1/13/2026	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Imperial Landfill Gas Company, LLC (F00219)	Biomethane from Imperial Landfill in Imperial, Pennsylvania, pipelined to California for compression to CNG.	2024 AFPR Recert Complete	

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A041601	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: Greentree Landfill Gas Company (F00212); Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG. [3.0]	Pennsylvania	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A04160104	84.83	CNG025A04160105	85.22	1/13/2026	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	Greentree Landfill Gas Company (F00212)	Biomethane from Greentree Landfill in Kersey, Pennsylvania, pipelined to California for compression to CNG.	2024 AFPR Recert Complete	
B028201	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY S&S (71361); Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02820102	-360.00	CNG026B02820103	-350	1/6/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY S&S (71361)	Biogas from dairy manure at Jerseyland Dairy in Sturgeon Bay, WI; upgraded to pipeline quality at U.S. GAIN RNG FACILITY S&S; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B028301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEER RUN RNG PROJECT (71482); Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02830102	-143.80	CNG026B02830103	-60	1/6/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	DEER RUN RNG PROJECT (71482)	Biogas from dairy manure at Deer Run in Kewaunee, WI; upgraded to pipeline quality at Deer Run RNG; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B030701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070102	-288.83	CNG026B03070103	-279	1/6/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Wreden Ranch Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B033801	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: DALHART RNG, LLC (70981); Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use [3.0]	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03380102	-410.00	CNG044B03380103	-400.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	DALHART RNG, LLC (70981)	Biogas from swine manure at Dalhart Farm in Dalhart, TX; upgraded to pipeline quality at Dalhart RNG and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B034501	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAKESHORE RNG PROJECT (71321); Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03450102	-241.33	CNG026B03450103	-190.75	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAKESHORE RNG PROJECT (71321)	Biogas from dairy manure at Lakeshore Dairy in Wilson, NY; upgraded to pipeline quality at Yellow Jacket Lakeshore RNG Project; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B034601	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET LAMB RNG PROJECT (71101); Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03460102	-280.33	CNG026B03460103	-277.67	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET LAMB RNG PROJECT (71101)	Biogas from dairy manure at Lamb Farm in Oakfield, NY; upgraded to pipeline quality at Yellow Jacket Lamb RNG Project and pipelined to California for transportation use	2024 AFPR Recert Complete	
B034701	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET BOXLER RNG PROJECT (71222); Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03470101	-199.67	CNG026B03470102	-152.18	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET BOXLER RNG PROJECT (71222)	Biogas from dairy manure at Boxler Dairy in Varysburg, NY; upgraded to pipeline quality at Yellow Jacket Boxler RNG Project; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B036901	Tier 2	3.0	Fuel Producer: MONTAUK ENERGY HOLDINGS, LLC (6139); Facility Name: Pico Energy, LLC (71221); Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use. [3.0]	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03690101	-368.95	CNG026B03690102	-140.00	1/13/2026	None	Bio-CNG	MONTAUK ENERGY HOLDINGS, LLC (6139)	Pico Energy, LLC (71221)	Biogas from dairy manure at B2 Dairy, B6 Dairy, Crossbred Dairy in Jerome, ID, and B5 Dairy in Wendell, ID; upgraded to pipeline quality at Pico Energy, LLC, and pipeline to CA for transportation use.	2024 AFPR Recert Complete	
B037001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: GREEN HILLS FARM (71881); Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03700102	-284.00	CNG044B03700103	-283.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	GREEN HILLS FARM (71881)	Biogas from swine manure at Green Hills Farm in Unionville, MO; upgraded to pipeline-quality on-site at the farm and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B037101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: WHITETAIL FARM (71882); Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use [3.0]	Missouri	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B03710102	-247.00	CNG044B03710103	-297.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	WHITETAIL FARM (71882)	Biogas from swine manure at Whitetail Farm in Unionville, MO; upgraded to pipeline quality at Whitetail Farm and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B039301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY CLOVER HILL (71261); Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03930101	-191.64	CNG026B03930102	-120.00	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY CLOVER HILL (71261)	Biogas from Dairy Manure at Clover Hill Dairy in Campbellsport, WI; upgraded to pipeline quality at US Gain RNG Facility Clover Hill; pipelined to California for transportation use	2024 AFPR Recert Complete	
B040001	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET ZUBER RNG PROJECT (71121); Biogas from Dairy Manure at Zuber Farms in Byron, NY; and E&M ZUBER LLC in Elba, NY; upgraded to pipeline quality at Yellow Jacket Zuber RNG Project; pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04000101	-150.41	CNG026B04000102	-96.94	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET ZUBER RNG PROJECT (71121)	Biogas from Dairy Manure at Zuber Farms in Byron, NY; and E&M ZUBER LLC in Elba, NY; upgraded to pipeline quality at Yellow Jacket Zuber RNG Project; pipelined to California for transportation use	2024 AFPR Recert Complete	
B040101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: YELLOW JACKET SWISS VALLEY RNG PROJECT (71161); Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04010102	-170.34	CNG026B04010103	-144.36	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	YELLOW JACKET SWISS VALLEY RNG PROJECT (71161)	Biogas from Dairy Manure at Swiss Valley Farms in Warsaw, NY; upgraded to pipeline quality at Yellow Jacket Swiss Valley RNG Project; pipelined to California for transportation use	2024 AFPR Recert Complete	
B040301	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04030101	-369.27	CNG026B04030102	-399.00	1/13/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Belonave Biogas LLC in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC; pipelined to California for transportation use	2024 AFPR Recert Complete	

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B040401	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: AUGEAN RNG PROJECT (71081); Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use. [3.0]	Washington	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04040101	-200.31	CNG026B04040102	-183.97	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	AUGEAN RNG PROJECT (71081)	Biogas from dairy manure at Augean RNG project, Outlook, WA; upgraded to pipeline quality at Augean RNG Project; currently trucked to pipeline injection and pipelined to CA for transportation use.	2024 AFPR Recert Complete	
B042201	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220101	-397.34	CNG026B04220102	-334.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Five H in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042202	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220201	-288.18	CNG026B04220202	-245.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Red Rock in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042203	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220301	-287.58	CNG026B04220302	-215.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vista Verde in Chowchilla, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042204	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220401	-187.32	CNG026B04220402	-170.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Vander Woude in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042205	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220501	-258.91	CNG026B04220502	-216.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Rockshar in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042206	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220601	-397.80	CNG026B04220602	-381.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Michael De Hoog in Merced, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B042207	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04220701	-357.77	CNG026B04220702	-355.00	1/13/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Renewable Natural Gas (RNG) from Dairy Manure at Double Diamond in El Nido, CA and upgraded at Merced Pipeline, LLC Facility in Merced, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
A051001	Tier 1	3.0	Fuel Producer: TRUSTAR ENERGY LLC (6523); Facility Name: NOBLE ROAD RNG LLC (72142); Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG [PROV3.0]	Ohio	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A05100101	52.25	CNG025A05100102	56.82	1/13/2026	None	Bio-CNG	TRUSTAR ENERGY LLC (6523)	NOBLE ROAD RNG LLC (72142)	Biomethane from Noble Road Landfill in Shiloh, OH; upgrading at Noble Road RNG LLC, pipelined to California for compression to CNG (Provisional)	2024 AFPR Recert Complete	
B043801	Tier 2	3.0	Fuel Producer: Lone Oak Energy, LLC (C1177); Facility Name: Lone Oak Energy, LLC (F00542); Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC, trucked to pipeline injection and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04380101	-240.44	CNG026B04380102	-186.00	1/13/2026	None	Bio-CNG	Lone Oak Energy, LLC (C1177)	Lone Oak Energy, LLC (F00542)	Biogas from dairy manure at Lone Oak Farms #2 in Fresno, CA; upgraded to pipeline quality at Lone Oak Energy, LLC, trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B045001	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: DEMETER RNG PROJECT (71302); Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04500101	-196.9	CNG026B04500102	-193.84	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	DEMETER RNG PROJECT (71302)	Biogas from dairy manure at Endres Dairy, Maiers White Gold, Ripps Dairy Valley, Endres Berry Ridge, and Wagner Dairy in WI; upgraded to pipeline quality at DEMETER RNG PROJECT; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B045901	Tier 2	3.0	Fuel Producer: Still Water Power, LLC (C1180); Facility Name: Still Water Power, LLC (F00552); Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04590101	-305.73	CNG026B04590102	-297.00	1/13/2026	None	Bio-CNG	Still Water Power, LLC (C1180)	Still Water Power, LLC (F00552)	Biogas from Dairy Manure at Still Water Dairy in Hanford, CA; upgraded to pipeline quality at Still Water Power, LLC; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B053501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Sunray-Taylor Biogas (F00536); Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use [3.0]	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B05350101	-390	CNG044B05350102	-330.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Sunray-Taylor Biogas (F00536)	Biogas from swine manure at Seaboard Sunray Farm and Seaboard Taylor B Farm in Sunray, TX; upgraded to pipeline quality at Sunray-Taylor Biogas; pipelined to California for transportation use	2024 AFPR Recert Complete	
B060401	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Snowflake Farm (F00579); Biogas from swine manure at Snowflake Farm in Snowflake, AZ; upgraded to pipeline quality at Snowflake Farm; trucked to pipeline injection site and pipelined to California for transportation use [3.0]	Arizona	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B06040100	-419.55	CNG044B06040101	-400.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Snowflake Farm (F00579)	Biogas from swine manure at Snowflake Farm in Snowflake, AZ; upgraded to pipeline quality at Snowflake Farm; trucked to pipeline injection site and pipelined to California for transportation use	2024 AFPR Recert Complete	
B068101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Perryton Biogas (F00639); Biogas from swine manure at Perryton Farm in Perryton, TX; upgraded to pipeline quality at Perryton Biogas; pipelined to CA for transportation use [3.0]	Texas	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B06810100	-407.01	CNG044B06810101	-386.00	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Perryton Biogas (F00639)	Biogas from swine manure at Perryton Farm in Perryton, TX; upgraded to pipeline quality at Perryton Biogas; pipelined to CA for transportation use	2024 AFPR Recert Complete	

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B077101	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Grady Swine Facility (F00630); Biogas from swine manure at Kilpatrick Farm, Goodson Farm, M&M-Waters Farm, Dell Farm, DM Section 2, and DM Farm Section 3 in NC; upgraded to pipeline quality at Grady Swine Facility; pipelined to California for transportation use [PROV3.0]	North Carolina	Swine Manure (044)	Compressed Natural Gas (CNG)	CNG044B07710100	-373.63	CNG044B07710101	-378.58	1/13/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Grady Swine Facility (F00630)	Biogas from swine manure at Kilpatrick Farm, Goodson Farm, M&M-Waters Farm, Dell Farm, DM Section 2, and DM Farm Section 3 in NC; upgraded to pipeline quality at Grady Swine Facility; pipelined to California for transportation use (Provisional)	2024 AFPR Recert Complete	
B088401	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: BUTTERFIELD RNG 1, LLC (73041); Biogas from dairy manure at Butterfield Dairy, LLC in GILA BEND, AZ; upgraded to pipeline quality at BUTTERFIELD RNG 1, LLC; pipelined to CA for transportation use [3.0]	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026B00840100	-205.72	1/8/2026	Application Package	Bio-CNG	U.S. Venture, Inc. (5504)	BUTTERFIELD RNG 1, LLC (73041)	Biogas from dairy manure at Butterfield Dairy, LLC in GILA BEND, AZ; upgraded to pipeline quality at BUTTERFIELD RNG 1, LLC; pipelined to CA for transportation use	None	
A011501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ameresco San Antonio Biogas (71204); Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel [3.0]	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01150103	40.00	CNG030A01150104	42.00	1/15/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Ameresco San Antonio Biogas (71204)	Biomethane generated at the SAWS Dos Rios Water Recycling Center; upgraded to pipeline-quality biomethane in San Antonio, Texas; Delivered via pipeline to California; Dispensed as CNG fuel	2024 AFPR Recert Complete	
A015601	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Ninety-First Avenue Renewable Biogas LLC (70241); Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel [3.0]	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A01560102	29.00	CNG030A01560103	29.00	1/15/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Ninety-First Avenue Renewable Biogas LLC (70241)	Digester Gas generated at the 91st Ave WWTP; upgraded to pipeline-quality biomethane in Tolleson, Arizona; Delivered via pipeline to California; Dispensed as CNG fuel	2024 AFPR Recert Complete	
A017101	Tier 1	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Fair Oaks Upgrader, LLC (71001); Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California [3.0]	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026A01710102	-165.00	CNG026A01710103	-130.00	1/14/2026	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Fair Oaks Upgrader, LLC (71001)	Renewable Natural Gas (RNG) from Dairy and Swine Manure at the Site 3 digester, upgraded to RNG at Renewable Dairy Fuels (RDF) in Fair Oaks, Indiana; RNG pipelined to Bakersfield, California	2024 AFPR Recert Complete	
B007201	Tier 2	3.0	Fuel Producer: IOGEN D3 BIOFUEL PARTNERS II LLC (7180); Facility Name: ResilientIG Threemile Acquisition LLC (F00100); Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use [3.0]	Oregon	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00720104	-143.57	CNG026B00720105	-134.41	1/14/2026	None	Bio-CNG	IOGEN D3 BIOFUEL PARTNERS II LLC (7180)	ResilientIG Threemile Acquisition LLC (F00100)	Renewable Natural Gas (RNG) from Dairy Manure at Columbia River Dairy and Six Mile Farms, upgraded in Boardman, Oregon; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B009601	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Dairy Dreams (F00127); Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00960103	-355.00	CNG026B00960104	-255.00	1/14/2026	None	Bio-CNG	Clean Energy (5481)	Calumet - Dairy Dreams (F00127)	Renewable Natural Gas (RNG) produced from Dairy Manure at Dairy Dreams Farm and upgraded at Calumet - Dairy Dreams in Casco, Wisconsin; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B009701	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Calumet - Ponderosa (F00128); Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00970102	-269.00	CNG026B00970103	-192.00	1/14/2026	None	Bio-CNG	Clean Energy (5481)	Calumet - Ponderosa (F00128)	Renewable Natural Gas (RNG) produced from Dairy Manure of Pagel's Ponderosa Dairy Farm and upgraded at Calumet-Ponderosa, Kewaunee, Wisconsin; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B010901	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090103	-243.00	CNG026B01090104	-181.00	1/23/2026	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy East and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B010902	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090203	-253.00	CNG026B01090204	-207.00	1/23/2026	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Maple Leaf Dairy West and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B010903	Tier 2	3.0	Fuel Producer: Clean Energy (5481); Facility Name: Maple Leaf/Grotegut RNG Facility (F00167); Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01090303	-254.00	CNG026B01090304	-164.00	1/23/2026	None	Bio-CNG	Clean Energy (5481)	Maple Leaf/Grotegut RNG Facility (F00167)	Renewable Natural Gas (RNG) produced from Grotegut Dairy Farm and upgraded at Calumet – Maple Leaf/Grotegut RNG Facility, Newton, Wisconsin; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B009801	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Circle A Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980103	-409.65	CNG026B00980104	-406.30	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Circle A Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B009802	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980203	-408.20	CNG026B00980204	-404.93	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Robert Vander Eyk & Sons Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2024 AFPR Recert Complete	
B009803	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980302	-409.51	CNG026B00980303	-405.95	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Legacy Ranch digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2024 AFPR Recert Complete	
B009804	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980402	-339.52	CNG026B00980403	-340.98	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Cornerstone Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2024 AFPR Recert Complete	

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B009805	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of Sousa and Sousa Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980503	-389.47	CNG026B00980504	-369.29	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of Sousa and Sousa Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2024 AFPR Recert Complete	
B009806	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure of J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B00980603	-249.60	CNG026B00980604	-240.67	1/14/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure of J&J Vanderpoel Dairy digester, upgraded at Calgren Biofuels LLC in Pixley, California; RNG pipelined to Fresno and West Sacramento, California for use as transportation fuel in California	2024 AFPR Recert Complete	
B010201	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use [3.0]	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020108	-260.00	CNG026B01020109	-227.00	1/23/2026	None	Bio-CNG	GREENGASCO, LLC (1681)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Westside Dairy and Eastside Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B010202	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco, LLC (F00154); Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use [3.0]	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01020203	-240.00	CNG026B01020204	-100.00	1/23/2026	None	Bio-CNG	GREENGASCO, LLC (1681)	Greengasco, LLC (F00154)	Renewable Natural Gas (RNG) produced from Dairy Manure at Exum Dairy and upgraded at GreenGasco in Stratford, Texas; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B010801	Tier 2	3.0	Fuel Producer: AgPower Jerome, LLC (C1036); Facility Name: AgPower Jerome RNG Project (F00077); Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use [3.0]	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01080104	-125.00	CNG026B01080105	-185.52	1/23/2026	None	Bio-CNG	AgPower Jerome, LLC (C1036)	AgPower Jerome RNG Project (F00077)	Renewable Natural Gas (RNG) produced from Dairy Manure at Double A Dairy and Double A Dairy #6 and upgraded at AgPower Jerome RNG in Jerome, Idaho; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
A027401	Tier 1	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: Renovar Arlington, LTD RNG Project (70501); Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California [3.0]	Texas	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A02740104	38.36	CNG030A02740105	45.00	1/26/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	Renovar Arlington, LTD RNG Project (70501)	Digester Gas generated at the Village Creek Water Reclamation Facility, Euless, Texas; upgraded to pipeline-quality biomethane in Texas; delivered via pipeline to CNG stations in California	2024 AFPR Recert Complete	
A030401	Tier 1	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: Point Loma Digester Gas Project (F00027); Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California. [3.0]	California	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A03040103	48.72	CNG030A03040104	45.00	1/16/2026	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	Point Loma Digester Gas Project (F00027)	Point Loma WWTP digester gas, upgraded to pipeline quality utilizing mainly only onsite produced power from biogas powered engines, injected into the pipeline and dispensed in California.	2024 AFPR Recert Complete	
B019101	Tier 2	3.0	Fuel Producer: California Renewable Power LLC(C196); Facility Name: California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270); Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles. [3.0]	California	Urban Landscaping Waste (028)	Compressed Natural Gas (CNG)	CNG028B01910102	13.87	CNG028B01910103	12.17	1/14/2026	None	Bio-CNG	California Renewable Power LLC(C196)	California Renewable Power and Organics Recycling and Anaerobic Digestion Facility (71270)	Renewable Natural Gas (RNG) produced from mixed Urban Landscaping Waste and Food Scraps and upgraded at California Renewable Power and Organics Recycling and Anaerobic Digestion Facility in Perris, California; RNG used in CNG vehicles.	2024 AFPR Recert Complete	
B035301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: U.S. GAIN RNG FACILITY DALLMAN (71341); Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03530102	-316.31	CNG026B03530103	-235.00	1/13/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	U.S. GAIN RNG FACILITY DALLMAN (71341)	Biogas from dairy manure at Callmann East River Dairy in Brillion, WI; upgraded to pipeline quality at U.S. Gain RNG Facility Dallman and pipelined to CA for transportation use	2024 AFPR Recert Complete	
A049401	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Tres Rios Water Reclamation Facility (F00443); Biomethane derived from anaerobic digestion of wastewater sludge. [3.0]	Arizona	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A04940101	29.00	CNG030A04940102	29.00	1/16/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Tres Rios Water Reclamation Facility (F00443)	Biomethane derived from anaerobic digestion of wastewater sludge.	2024 AFPR Recert Complete	
B042001	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: RIALTO Bioenergy (F00475); Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use [3.0]	California	Food Scraps/Waste (027)	Compressed Natural Gas (CNG)	CNG027B04200101	30.00	CNG027B04200102	50.00	1/14/2026	None	Bio-CNG	Anew RNG, LLC (5877)	RIALTO Bioenergy (F00475)	Bio-CNG from landfill-diverted food scraps sourced from multiple materials recovery facilities and upgraded at RIALTO Bioenergy facility in Bloomington, CA; Bio-CNG injected into California natural gas pipeline for transportation use	2024 AFPR Recert Complete	
A050801	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Eugene/Springfield Water Pollution Control Facility (F00546); RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California. [3.0]	Oregon	Wastewater Sludge (030)	Compressed Natural Gas (CNG)	CNG030A05080101	39	CNG030A05080102	39.00	1/14/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Eugene/Springfield Water Pollution Control Facility (F00546)	RNG produced from the mesophillic anaerobic digestion of wastewater sludge at the MWMC Regional Wastewater Treatment Plant using grid-based electricity, NG; CNG transported via pipeline; dispensed at refueling stations in California.	2024 AFPR Recert Complete	
A056901	Tier 1	3.0	Fuel Producer: Messer LLC (f.k.a. Linde LLC) (L012); Facility Name: Live Oak Landfill Gas (F00744); Landfill gas generated at the Live Oak Landfill in Conley, Georgia and upgraded to biomethane at the Air Liquide Advanced Technologies RNG facility; biomethane pipelined to California for use as transportation fuel. [3.0]	Georgia	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A01360100	46.5	CNG025A05690101	50.41	1/14/2026	None	Bio-CNG	Messer LLC (f.k.a. Linde LLC) (L012)	Live Oak Landfill Gas (F00744)	Landfill gas generated at the Live Oak Landfill in Conley, Georgia and upgraded to biomethane at the Air Liquide Advanced Technologies RNG facility; biomethane pipelined to California for use as transportation fuel.	2024 AFPR Recert Complete	
A058501	Tier 1	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Blue Ridge Renewables (F00189); Biomethane from Landfill at 2200 FM 521, Fresno, TX, US 77545 upgrading at Anew RNG, LLC, pipelined to California for compression to CNG [PROV3.0]	Texas	Landfill Gas (025)	Compressed Natural Gas (CNG)	CNG025A05850100	36.73	CNG025A05850101	39.00	1/14/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Blue Ridge Renewables (F00189)	Biomethane from Landfill at 2200 FM 521, Fresno, TX, US 77545 upgrading at Anew RNG, LLC, pipelined to California for compression to CNG (Provisional)	2024 AFPR Recert Complete	
B046101	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04610101	-163.97	CNG026B04610102	-130.00	1/16/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Elm Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use	2024 AFPR Recert Complete	

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B046102	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: HOLSUM RNG PROJECT (71481); Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04610201	-225	CNG026B04610202	-75.00	1/16/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	HOLSUM RNG PROJECT (71481)	Biogas from dairy manure at Holsum Irish Dairy in Hilbert, WI; upgraded to pipeline quality at HOLSUM RNG PROJECT; pipelined to California for transportation use	2024 AFPR Recert Complete	
B047301	Tier 2	3.0	Fuel Producer: SUNOMA RENEWABLE BIOFUEL, LLC (1781); Facility Name: Sunoma Renewable Biofuel, LLC (F00497); Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use [3.0]	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04730101	-340.73	CNG026B04730102	-263.99	1/16/2026	None	Bio-CNG	SUNOMA RENEWABLE BIOFUEL, LLC (1781)	Sunoma Renewable Biofuel, LLC (F00497)	Biogas from dairy manure at Paloma dairy in Gila Bend, AZ; upgraded to pipeline quality at Sunoma Renewable Biofuel, LLC; pipelined to California for transportation use	2024 AFPR Recert Complete	
B048501	Tier 2	3.0	Fuel Producer: Trillium Transportation Fuels, LLC (T311); Facility Name: SANCO Services Anaerobic Digestor Plant (F00478); Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use. [3.0]	California	Other Organic Waste (029)	Compressed Natural Gas (CNG)	CNG029B04850101	-23.47	CNG029B04850102	-15.21	1/14/2026	None	Bio-CNG	Trillium Transportation Fuels, LLC (T311)	SANCO Services Anaerobic Digestor Plant (F00478)	Biogas from landfill-diverted food scraps and urban landscaping waste upgraded at SANCO Services Anaerobic Digestor Plant facility in Escondido, CA; Bio-CNG injected into California natural gas pipeline for transportation use.	2024 AFPR Recert Complete	
B048901	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Helios RNG LLC - Lawnhurst (F00521); Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04890101	-87.44	CNG026B04890102	-200.00	1/16/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Helios RNG LLC - Lawnhurst (F00521)	Biogas from dairy manure at Lawnhurst farms, LLC in Stanley, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Lawnhurst; pipelined to California for transportation use	2024 AFPR Recert Complete	
B049701	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970101	-218.05	CNG026B04970102		1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Skyview Dairy in Shafter, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B049702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970201	-336.03	CNG026B04970202		1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Whiteside Dairy in Wasco, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B049703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970301	-395.67	CNG026B04970302		1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Maya Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B049704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970401	-396.78	CNG026B04970402		1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Southern Cross Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B049705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Buttonwillow LLC (F00516); Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B04970501	-349.82	CNG026B04970502		1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Buttonwillow LLC (F00516)	Biogas from dairy manure at Goyenetche Dairy in Buttonwillow, CA; upgraded to pipeline quality at CalBioGas Buttonwillow LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020101	-375.11	CNG026B05020102	-342.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Ribeiro Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020201	-341.22	CNG026B05020202	-293.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rib-Arrow Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050203	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020301	-185.93	CNG026B05020302	-218.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Elk Creek Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050204	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020401	-351.76	CNG026B05020402	-356.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Friesian Farms in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050205	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020501	-299.7	CNG026B05020502	-335.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dairyland Farms in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B050206	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05020601	-255.75	CNG026B05020602	-284.00	1/22/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rio Blanco Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	

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B050401	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Helios RNG LLC - Gardeau Crest (F00533); Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05040101	-227.37	CNG026B05040102	-250.00	1/22/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Helios RNG LLC - Gardeau Crest (F00533)	Biogas from dairy manure at Gardeau Crest Dairy Farm in Perry, NY; upgraded to pipeline quality at Brightmark Helios RNG LLC - Gardeau Crest; trucked to pipeline injection site and pipelined to California for transportation use	2024 AFPR Recert Complete	
B051401	Tier 2	3.0	Fuel Producer: FM Jerseys Dairy Biogas, LLC (C1178); Facility Name: FM Jerseys Dairy Digester (F00479); Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05140101	-397.03	CNG026B05140102	-377.00	1/22/2026	None	Bio-CNG	FM Jerseys Dairy Biogas, LLC (C1178)	FM Jerseys Dairy Digester (F00479)	Biogas from dairy manure at FM Jerseys Dairy in Tipton, CA; upgraded to pipeline quality at FM Jerseys Dairy Digester; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054301	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Vintage Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430100	-293.62	CNG026B05430101	-235.76	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Vintage Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054302	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Hettinga Farms in Pixley, CA, and Avenue 128 Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430200	-419.43	CNG026B05430201	-356.69	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Hettinga Farms in Pixley, CA, and Avenue 128 Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054303	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at V2 Cattle in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430300	-420.21	CNG026B05430301	-285.74	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at V2 Cattle in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054304	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Williams Family Dairy in Pixley, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430400	-419.49	CNG026B05430401	-321.08	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Williams Family Dairy in Pixley, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054305	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at JR Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430500	-226.01	CNG026B05430501	-184.16	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at JR Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054306	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Biogas from dairy manure at Mario Simoes Family Dairy and Joe M. Simoes Family Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05430600	-284.27	CNG026B05430601	-168.20	1/22/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Biogas from dairy manure at Mario Simoes Family Dairy and Joe M. Simoes Family Dairy in Tipton, CA; upgraded to pipeline quality at Calgren Dairy Fuels, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B012701	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270104	-409.43	CNG026B01270105	-406.15	1/23/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at K&M Visser and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B012702	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270203	-409.67	CNG026B01270204	-396.30	1/23/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Riverview Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B012703	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270304	-410.26	CNG026B01270305	-396.83	1/23/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at Little Rock and Blue Moon Dairy and upgraded at Calgren Dairy fuels in Pixley, California; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B012704	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Calgren Dairy Fuels, LLC (F00029); Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01270403	-408.99	CNG026B01270404	-406.06	1/23/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Calgren Dairy Fuels, LLC (F00029)	Renewable Natural Gas (RNG) produced from Dairy Manure at 4K Dairy and upgraded at Calgren Dairy Fuels in Pixley, California; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B018501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850103	-194.02	CNG026B01850104	-138.00	1/23/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #8 LLC dba S&S Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B018502	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850203	-305.55	CNG026B01850204	-390.00	1/23/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #9 LLC dba Moonlight Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	
B018503	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01850302	-354.20	CNG026B01850303	-353.00	1/23/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Renewable Natural Gas (RNG) from Dairy Manure of ABEC #15 LLC dba Hamstra Dairy Biogas and upgraded at CalBioGas West in Tulare, CA; RNG pipelined to California for transportation use	2024 AFPR Recert Complete	

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B018701	Tier 2	3.0	Fuel Producer: Dry Creek RNG LLC (C1098); Facility Name: Dry Creek RNG Project (F00342); Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use [3.0]	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01870103	-425.00	CNG026B01870104	-418.75	1/23/2026	None	Bio-CNG	Dry Creek RNG LLC (C1098)	Dry Creek RNG Project (F00342)	Biogas from Dairy Manure at Dry Creek Dairy and Southside Dairy in Hansen, Idaho; Upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B019701	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California [3.0]	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970102	-229.00	CNG026B01970103	-268.36	1/23/2026	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Bos Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2024 AFPR Recert Complete	
B019702	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California [3.0]	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970202	-130.00	CNG026B01970203	-157.75	1/23/2026	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Herrema Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2024 AFPR Recert Complete	
B019703	Tier 2	3.0	Fuel Producer: Generate Indiana RNG Holdings, LLC (9889); Facility Name: Generate Jasper Upgrader, LLC (71002); Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California [3.0]	Indiana	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01970302	-303.00	CNG026B01970303	-310.68	1/23/2026	None	Bio-CNG	Generate Indiana RNG Holdings, LLC (9889)	Generate Jasper Upgrader, LLC (71002)	Renewable Natural Gas (RNG) from Dairy Manure of Windy Ridge Dairy, Fair Oaks, Indiana; delivered via pipeline to Bakersfield, California	2024 AFPR Recert Complete	
B051501	Tier 2	3.0	Fuel Producer: Calgren Dairy Fuels, LLC (C1007); Facility Name: Channel Islands Dairy (F00439); Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05150101	-414.29	CNG026B05150102	-418.19	1/27/2026	None	Bio-CNG	Calgren Dairy Fuels, LLC (C1007)	Channel Islands Dairy (F00439)	Biogas from dairy manure at Channel Islands Dairy in Corcoran, CA; upgraded to pipeline quality at Channel Islands Dairy; trucked to pipeline injection site and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054701	Tier 2	3.0	Fuel Producer: RAM ENERGY WORKS, LLC (2827); Facility Name: RAM ENERGY WORKS, LLC (F00483); Biogas from dairy manure at Oak Valley Dairy 1 & 4 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use [3.0]	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05470100	-407.68	CNG026B05470101	-104.00	1/27/2026	None	Bio-CNG	RAM ENERGY WORKS, LLC (2827)	RAM ENERGY WORKS, LLC (F00483)	Biogas from dairy manure at Oak Valley Dairy 1 & 4 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B054702	Tier 2	3.0	Fuel Producer: RAM ENERGY WORKS, LLC (2827); Facility Name: RAM ENERGY WORKS, LLC (F00483); Biogas from dairy manure at Oak Valley Dairy 5 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use [3.0]	Idaho	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05470200	-415.24	CNG026B05470201	-178.00	1/27/2026	None	Bio-CNG	RAM ENERGY WORKS, LLC (2827)	RAM ENERGY WORKS, LLC (F00483)	Biogas from dairy manure at Oak Valley Dairy 5 in Burley, ID; upgraded to pipeline quality at Oak Valley Energy, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B055301	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Helios RNG LLC - Willet (F00534); Biogas from dairy manure at Willet Dairy Farm in King Ferry, NY; upgraded to pipeline quality at Brightmark Helios RNG - Willet; trucked to pipeline injection site and pipelined to California for transportation use [3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05530100	-209.23	CNG026B05530101	-195.00	1/27/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Helios RNG LLC - Willet (F00534)	Biogas from dairy manure at Willet Dairy Farm in King Ferry, NY; upgraded to pipeline quality at Brightmark Helios RNG - Willet; trucked to pipeline injection site and pipelined to California for transportation use	2024 AFPR Recert Complete	
B057701	Tier 2	3.0	Fuel Producer: RNG MOOVERS, LLC (1704); Facility Name: RNG MOOVERS COSTA VIEW (72601); Biogas from dairy manure at Costa View Farms in Madera, CA; upgraded to pipeline quality at RNG MOOVERS COSTA VIEW; trucked to pipeline injection site and pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B05770100	-400.89	CNG026B05770101	-253.87	1/29/2026	None	Bio-CNG	RNG MOOVERS, LLC (1704)	RNG MOOVERS COSTA VIEW (72601)	Biogas from dairy manure at Costa View Farms in Madera, CA; upgraded to pipeline quality at RNG MOOVERS COSTA VIEW; trucked to pipeline injection site and pipelined to California for transportation use	2024 AFPR Recert Complete	
B060001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Art Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06000100	-416.19	CNG026B06000101	-343.00	1/27/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Art Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B060002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Gerben and Pauline Leyendekker Dairy, South Corner Dairy, and Rocky Road Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06000200	-300.64	CNG026B06000201	-329.00	1/27/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Gerben and Pauline Leyendekker Dairy, South Corner Dairy, and Rocky Road Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B060003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Gerben Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06000300	-371.43	CNG026B06000301	-284.00	1/27/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Gerben Leyendekker Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B060301	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco Hub 3 (72841); Biogas from dairy manure at Hartley Farms in Dalhart, TX; upgraded to pipeline quality at Greengasco Hub 3; pipelined to CA for transportation use [3.0]	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06030100	-378	CNG026B06030101	-242.00	1/29/2026	None	Bio-CNG	GREENGASCO, LLC (1681)	Greengasco Hub 3 (72841)	Biogas from dairy manure at Hartley Farms in Dalhart, TX; upgraded to pipeline quality at Greengasco Hub 3; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B061301	Tier 2	3.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: ENTECH GL DAIRY RNG FACILITY (72181); Biogas from dairy manure at Blue Star Dairy and Ziegler Dairy Farms in Middleton, WI, Endres Berry Ridge Farms, Hensen Brothers Dairy, and Maier Farms in Waunakee, WI; upgraded to pipeline quality at ENTECH GL DAIRY RNG FACILITY; trucked to [trun] [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06130100	-273.99	CNG026B06130101	-200.00	1/29/2026	None	Bio-CNG	U.S. Venture, Inc. (5504)	ENTECH GL DAIRY RNG FACILITY (72181)	Biogas from dairy manure at Blue Star Dairy and Ziegler Dairy Farms in Middleton, WI, Endres Berry Ridge Farms, Hensen Brothers Dairy, and Maier Farms in Waunakee, WI; upgraded to pipeline quality at ENTECH GL DAIRY RNG FACILITY; trucked to [trun]	2024 AFPR Recert Complete	
B061501	Tier 2	3.0	Fuel Producer: FC Jerseys Energy, LLC (C1217); Facility Name: FC Jerseys Energy, LLC (F00544); Biogas from dairy manure at FC Jerseys Dairy in Dalhart, TX; upgraded to pipeline quality at FC Jerseys Energy, LLC; pipelined to CA for transportation use [3.0]	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06150100	-335.18	CNG026B06150101	-205.00	1/29/2026	None	Bio-CNG	FC Jerseys Energy, LLC (C1217)	FC Jerseys Energy, LLC (F00544)	Biogas from dairy manure at FC Jerseys Dairy in Dalhart, TX; upgraded to pipeline quality at FC Jerseys Energy, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B062201	Tier 2	3.0	Fuel Producer: GREENGASCO, LLC (1681); Facility Name: Greengasco (F00619); Biogas from dairy manure at North Dumas Farms, LLC in Dumas, TX; upgraded to pipeline quality at Greengasco; pipelined to CA for transportation use [3.0]	Texas	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06220100	-282.12	CNG026B06220101	-198.00	1/29/2026	None	Bio-CNG	GREENGASCO, LLC (1681)	Greengasco (F00619)	Biogas from dairy manure at North Dumas Farms, LLC in Dumas, TX; upgraded to pipeline quality at Greengasco; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B066101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Rocking Horse Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford LLC; pipelined to CA for transportation use [PROV3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06610100	-241.74	CNG026B06610101	-243.00	1/29/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Rocking Horse Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford LLC; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
B067801	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Biogas from dairy manure at Meirinho Holsteins Dairy in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06780100	-312.5	CNG026B06780101	-276.00	1/29/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Biogas from dairy manure at Meirinho Holsteins Dairy in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B067802	Tier 2	3.0	Fuel Producer: Merced Pipeline LLC (C1199); Facility Name: Merced Pipeline, LLC (F00518); Biogas from dairy manure at Homen Dairy Biogas, LLC in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06780200	-237.28	CNG026B06780201	-182.00	1/29/2026	None	Bio-CNG	Merced Pipeline LLC (C1199)	Merced Pipeline, LLC (F00518)	Biogas from dairy manure at Homen Dairy Biogas, LLC in Merced, CA; upgraded to pipeline quality at Merced Pipeline LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B068801	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763) ; Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Open Sky Power, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06880100	-201.74	CNG026B06880101	-200.00	1/27/2026	None	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Open Sky Power, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B068802	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Wilson Dairy Biogas, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06880200	-227.61	CNG026B06880201	-216.00	1/27/2026	None	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Wilson Dairy Biogas, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B068803	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Van der Hoek Dairy Biogas, LLC in Helm CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06880300	-401.12	CNG026B06880301	-265.00	1/27/2026	None	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Van der Hoek Dairy Biogas, LLC in Helm CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B068804	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at L&J Vanderham Energy, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06880400	-199.97	CNG026B06880401	-156.00	1/27/2026	None	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at L&J Vanderham Energy, LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B068805	Tier 2	3.0	Fuel Producer: FIVE POINTS PIPELINE LLC (1763); Facility Name: FIVE POINTS PIPELINE LLC (82281); Biogas from dairy manure at Van der Kooi Dairy Power LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06880500	-183.56	CNG026B06880501	-143.00	1/27/2026	None	Bio-CNG	FIVE POINTS PIPELINE LLC (1763)	FIVE POINTS PIPELINE LLC (82281)	Biogas from dairy manure at Van der Kooi Dairy Power LLC in Riverdale, CA; upgraded to pipeline quality at FIVE POINTS PIPELINE LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B069201	Tier 2	3.0	Fuel Producer: GHI Energy, LLC (6156); Facility Name: Spruce Haven Dairy (F00568); Biogas from dairy manure at Spruce Haven Dairy in Union Springs, NY; upgraded to pipeline quality at Spruce Haven Dairy; pipelined to CA for transportation use [PROV3.0]	New York	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06920100	-368.72	CNG026B06920101	-341.07	1/29/2026	None	Bio-CNG	GHI Energy, LLC (6156)	Spruce Haven Dairy (F00568)	Biogas from dairy manure at Spruce Haven Dairy in Union Springs, NY; upgraded to pipeline quality at Spruce Haven Dairy; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
B069901	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Athena RNG LLC - Mooody (F00569); Biogas from dairy manure at Moody Farm in Sherman, SD; upgraded to pipeline quality at Brightmark Athena RNG – Mooody; pipelined to CA for transportation use [3.0]	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B06990100	-293.47	CNG026B06990101	-315.00	1/29/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Athena RNG LLC - Mooody (F00569)	Biogas from dairy manure at Mooody Farm in Sherman, SD; upgraded to pipeline quality at Brightmark Athena RNG – Mooody; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B070001	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Athena RNG LLC - Boadwine (F00570); Biogas from dairy manure at Boadwine Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use [3.0]	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07000100	-226.49	CNG026B07000101	-270.00	1/29/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Athena RNG LLC - Boadwine (F00570)	Biogas from dairy manure at Boadwine Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B070002	Tier 2	3.0	Fuel Producer: Chevron RNG Holdings LLC (C1197); Facility Name: Chevron Athena RNG LLC - Boadwine (F00570); Biogas from dairy manure at Pioneer Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use [3.0]	South Dakota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07000200	-237.84	CNG026B07000201	-215.00	1/29/2026	None	Bio-CNG	Chevron RNG Holdings LLC (C1197)	Chevron Athena RNG LLC - Boadwine (F00570)	Biogas from dairy manure at Pioneer Dairy in Baltic, SD; upgraded to pipeline quality at Brightmark Athena RNG – Boadwine; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B072701	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158) ; Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Lakeside Energy Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07270100	-210.46	CNG026B07270101	-190.00	1/27/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Lakeside Energy Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B072702	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Yokum Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07270200	-327.18	CNG026B07270201	-252.00	1/27/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Yokum Dairy Digester in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	

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B072703	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Poplar Lane Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07270300	-296.72	CNG026B07270301	-225.00	1/27/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Poplar Lane Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B072704	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at High Roller Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07270400	-345.44	CNG026B07270401	-313.00	1/27/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at High Roller Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to CA for transportation use	2024 AFPR Recert Complete	
B072901	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: CEA GREELY, LLC (72281); Biogas from dairy manure at Johnson Dairy Farm in Eaton, CO and Marrs Milky Way Farm in Ault, CO, and Longs Peak Pierce Farm in Pierce, CO; upgraded to pipeline quality at CEA GREELY, LLC; pipelined to CA for transportation use [PROV3.0]	Colorado	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B07290100	-303.74	CNG026B07290101	-305.00	1/29/2026	None	Bio-CNG	Anew RNG, LLC (5877)	CEA GREELY, LLC (72281)	Biogas from dairy manure at Johnson Dairy Farm in Eaton, CO and Marrs Milky Way Farm in Ault, CO, and Longs Peak Pierce Farm in Pierce, CO; upgraded to pipeline quality at CEA GREELY, LLC; pipelined to CA for transportation use (Provisional)	2024 AFPR Recert Complete	
B019801	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980103	-310.52	CNG026B01980104	-362.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 5 LLC dba Trilogy Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B019802	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980202	-392.36	CNG026B01980203	-401.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 6 LLC dba Maple Dairy Biogas in Bakersfield, CA; upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B019803	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980302	-372.68	CNG026B01980303	-397.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at ABEC# 7 LLC dba T&W Dairy Biogas in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B019804	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980402	-309.72	CNG026B01980403	-211.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at BV Dairy Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B019805	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B01980502	-392.49	CNG026B01980503	-332.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at Western Sky Biogas LLC in Bakersfield, CA; Upgraded biomethane pipelined to California for transportation use	2024 AFPR Recert Complete	
B021601	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: KEWAUNEE RENEWABLE ENERGY, LLC (71003); Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02160103	-190.00	CNG026B02160104	-191.00	1/26/2026	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	KEWAUNEE RENEWABLE ENERGY, LLC (71003)	Renewable Natural Gas (RNG) from Dairy Manure at Kinnard Farms and upgraded at Kewaunee Renewable Energy, LLC in Casco, WI; RNG is trucked to pipeline injection and pipelined to California for transportation use	2024 AFPR Recert Complete	
B021701	Tier 2	3.0	Fuel Producer: DTE ENERGY TRADING, INC. (6545); Facility Name: NEW CHESTER RENEWABLE ENERGY, LLC (71181); Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02170103	-240.00	CNG026B02170104	-173.00	1/26/2026	None	Bio-CNG	DTE ENERGY TRADING, INC. (6545)	NEW CHESTER RENEWABLE ENERGY, LLC (71181)	Renewable Natural Gas (RNG) from Dairy Manure at New Chester Farm and upgraded at NEW CHESTER RENEWABLE ENERGY, LLC in Grand Marsh, WI, LLC; RNG is trucked to pipeline injection and pipelined to California for transportation use	2024 AFPR Recert Complete	
B025001	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use [3.0]	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500103	-147.00	CNG026B02500104	-135.37	1/26/2026	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at District 45 farm in Hancock, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B025003	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use [3.0]	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500303	-204.00	CNG026B02500304	-145.32	1/26/2026	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at West River farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B030702	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070202	-303.29	CNG026B03070203	-394.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Hollandia Farms Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B030703	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070302	-219.24	CNG026B03070303	-228.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Cloverdale Dairy in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B030704	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070402	-222.01	CNG026B03070403	-272.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Valadao in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2024 AFPR Recert Complete	

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B030705	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Hanford LLC (F00435); Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03070502	-386.06	CNG026B03070503	-414.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Hanford LLC (F00435)	Biogas from dairy manure at Grimmius in Hanford, CA; upgraded to pipeline quality at CalBioGas Hanford and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031001	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100102	-370.66	CNG026B03100103	-381.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Double J in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031002	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100202	-228.64	CNG026B03100203	-233.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rob Van Grouw in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031003	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100302	-351.79	CNG026B03100303	-375.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mellema in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031004	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100402	-299.36	CNG026B03100403	-315.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Mineral King in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031005	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100502	-293.10	CNG026B03100503	-311.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Rancho Sierra Vista in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031006	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas North Visalia LLC (F00433); Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03100602	-194.91	CNG026B03100603	-375.00	1/26/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas North Visalia LLC (F00433)	Biogas from dairy manure at Jacobus De Groot #2 Dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas North Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B035201	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520102	-374.68	CNG026B03520104	-376.00	1/28/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from dairy manure at Newhouse Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC in and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031101	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110103	-270.70	CNG026B03110104	-231.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Aukeman Farm in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031102	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110202	-330.93	CNG026B03110203	-313.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Dykstra Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031103	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110302	-398.23	CNG026B03110303	-396.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Horizon Jersey Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031104	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110402	-233.55	CNG026B03110403	-230.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Rancho Teresita Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031105	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110502	-245.29	CNG026B03110503	-239.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Bos Farms Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031106	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110602	-319.09	CNG026B03110603	-307.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Riverbend South Dairy in Tulare, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031107	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110702	-270.2	CNG026B03110703	-310.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at El Monte Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	

App/Pathway #	Class	Calculator Version	Applicant & Pathway Description	Facility Location	Feedstock	Fuel Type	Legacy FPC	Legacy CI	Current Certified FPC	Current Certified CI	Certification Date	Postings and Comments	Fuel Category	Company (ID)	Facility (ID)	Pathway Description	AFPR Recertification Status	Retired Pathway
B031108	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas South Tulare LLC (F00434); Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03110802	-263.48	CNG026B03110803	-260.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas South Tulare LLC (F00434)	Biogas from dairy manure at Scheenstra Dairy in Tipton, CA; upgraded to pipeline quality at CalBioGas South Tulare and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B031501	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas West Visalia LLC (F00337); Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03150102	-363.81	CNG026B03150103	-394.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas West Visalia LLC (F00337)	Biogas from dairy manure at Udder dairy in Visalia, CA; upgraded to pipeline quality at CalBioGas West Visalia and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B035202	Tier 2	3.0	Fuel Producer: California Bioenergy LLC (B194); Facility Name: CalBioGas Kern LLC (F00336); Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03520202	-357.4	CNG026B03520203	-293.00	1/30/2026	None	Bio-CNG	California Bioenergy LLC (B194)	CalBioGas Kern LLC (F00336)	Biogas from Dairy Manure at McMoo Dairy in Bakersfield, CA; upgraded to pipeline quality at CalBioGas Kern LLC and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B038501	Tier 2	3.0	Fuel Producer: Anew RNG, LLC (5877); Facility Name: Green Valley Dairy LLC (F00198); Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use [3.0]	Wisconsin	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03850102	-167.50	CNG026B03850103	-209.64	1/30/2026	None	Bio-CNG	Anew RNG, LLC (5877)	Green Valley Dairy LLC (F00198)	Biogas from dairy manure at Green Valley Dairy in Krakow, WI; upgraded to pipeline quality at Green Valley Dairy; trucked to pipeline injection and pipelined to CA for transportation use	2024 AFPR Recert Complete	
B039601	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960101	-415.05	CNG026B03960102	-275.00	1/30/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Lone Oak #1 Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use.	2024 AFPR Recert Complete	
B039602	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960201	-243.99	CNG026B03960202	-221.00	1/30/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Dixie Creek Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California For transportation use	2024 AFPR Recert Complete	
B039603	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at River Ranch Dairy In Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use. [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960301	-414.99	CNG026B03960302	-379.00	1/30/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at River Ranch Dairy In Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use.	2024 AFPR Recert Complete	
B039604	Tier 2	3.0	Fuel Producer: Lakeside Pipeline, LLC (C1158); Facility Name: Lakeside Pipeline, LLC (F00480); Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use [3.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B03960401	-414.95	CNG026B03960402	-382.00	1/30/2026	None	Bio-CNG	Lakeside Pipeline, LLC (C1158)	Lakeside Pipeline, LLC (F00480)	Biogas from dairy manure at Decade Dairy in Hanford, CA; upgraded to pipeline quality at Lakeside Pipeline, LLC; pipelined to California for transportation use	2024 AFPR Recert Complete	
B025002	Tier 2	3.0	Fuel Producer: AMPRENEW OFFTAKE I LLC (9041); Facility Name: RDF STEVENS LLC (71701); Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use [3.0]	Minnesota	Dairy Manure (026)	Compressed Natural Gas (CNG)	CNG026B02500203	-214.00	CNG026B02500204	-229.64	1/26/2026	None	Bio-CNG	AMPRENEW OFFTAKE I LLC (9041)	RDF STEVENS LLC (71701)	Biogas from dairy manure at Riverview farm in Morris, MN; upgraded to pipeline quality at RDF Stevens and pipelined to CA for transportation use	2024 AFPR Recert Complete	
A064501	Tier 1	4.0	Fuel Producer: U.S. Venture, Inc. (5504); Facility Name: MARICOPA RNG 1, LLC (73181); Biogas from dairy manure at Milky Way Dairy in Maricopa, AZ; upgraded to pipeline quality at MARICOPA RNG 1, LLC; and pipelined to CA for transportation use [4.0]	Arizona	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026A06450100	-205.00	12/30/2025	None	Bio-CNG	U.S. Venture, Inc. (5504)	MARICOPA RNG 1, LLC (73181)	Biogas from dairy manure at Milky Way Dairy in Maricopa, AZ; upgraded to pipeline quality at MARICOPA RNG 1, LLC; and pipelined to CA for transportation use	None	
A070501	Tier 1	4.0	Fuel Producer: EAST DAKOTAS RENEWABLE ENERGY, LLC (1942); Facility Name: EAST DAKOTAS RENEWABLE ENERGY, LLC (72581); Biogas from dairy manure at Mount Hope Dairy in Beresford, SD and Dakota Plains Dairy in Centerville, SD; upgraded to pipeline quality at EAST DAKOTAS RENEWABLE ENERGY, LLC; and pipelined to CA for transportation use [4.0]		Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026A07050100	-416.96	2/9/2026	None	Bio-CNG	EAST DAKOTAS RENEWABLE ENERGY, LLC (1942)	EAST DAKOTAS RENEWABLE ENERGY, LLC (72581)	Biogas from dairy manure at Mount Hope Dairy in Beresford, SD and Dakota Plains Dairy in Centerville, SD; upgraded to pipeline quality at EAST DAKOTAS RENEWABLE ENERGY, LLC; and pipelined to CA for transportation use	None	
A063801	Tier 1	4.0	Fuel Producer: DG Energy, LLC (C1233) ; Facility Name: DG Energy, LLC (F00654); Biogas from dairy manure at Avalon Dairy Farms in Wasco, CA; upgraded to pipeline quality at DG Energy, LLC; trucked to pipeline injection and pipelined to CA for transportation use. [4.0]	California	Dairy Manure (026)	Compressed Natural Gas (CNG)	None	None	CNG026A06380100	-255.00	2/17/2026	None	Bio-CNG	DG Energy, LLC (C1233)	DG Energy, LLC (F00654)	Biogas from dairy manure at Avalon Dairy Farms in Wasco, CA; upgraded to pipeline quality at DG Energy, LLC; trucked to pipeline injection and pipelined to CA for transportation use.	None	

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-4.136a_Supplemental

Respondent: A. E. Jackson

Page: 1 of 1

Question: Refer to Table 2 and lines 12-21 on page 10 of Ms. Jackson's direct testimony on Unplanned Main Renewals. Please:

a. Expand Table 2 to include actual information for 2025 and provide it in Excel.

Answer: Please see attached file U-21973 AGDG-4.*136 & 4.137 Unplanned Main Renewal* for requested information.

Attachment: U-21973 AGDG-4.136 & 4.137 Unplanned Main Renewal

Michigan Public Service Commission
DTE Gas Company
Discovery Response AGDG-4.136a

Case No.: U-21973
Exhibit: A-41
Schedule: EE1
Witness: A. E. Jackson

SEMI

Unplanned Main Renewal	2022	2023	2024	2025 P	2025 A	2026 P	2027 P
Capital Spend ($000)	$ 5,201	$ 4,391	$ 6,212	$ 8,500	$ 1,756	$ 3,500	$ 3,500
Units (feet)	15,002	14,489	15,700	18,100	8,479	10,044	10,044
Cost / Unit	$ 347	$ 303	$ 396	$ 470	$ 207	$ 348	$ 348

GRMI

Unplanned Main Renewal	2022	2023	2024	2025 P	2025 A	2026 P	2027 P
Capital Spend ($000)	$ 1,417	$ 1,427	$ 1,032	$ 2,277	$ 1,417	$ 2,277	$ 1,921
Units (feet)	12,407	9,349	7,627	14,164	8,290	17,227	15,528
Cost / Unit	$ 114	$ 153	$ 135	$ 161	$ 171	$ 132	$ 124

State

Unplanned Main Renewal	2022	2023	2024	2025 P	2025 A	2026 P	2027 P
Capital Spend ($000)	$ 6,618	$ 5,818	$ 7,244	$ 10,777	$ 3,173	$ 5,777	$ 5,421
Units (feet)	27,409	23,838	23,327	32,264	16,769	27,271	25,572
Cost / Unit	$ 241	$ 244	$ 311	$ 334	$ 189	$ 212	$ 212

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-4.155d

Respondent: A. E. Jackson

Page: 1 of 1

Question: Refer to page 49 of Ms. Jackson's direct testimony on the Columbus 23 gas storage processing unit upgrade project. Please:

d. Identify the phase of development that the project is currently in (i.e., Preliminary Assessment, Project Planning or Scoping, Conceptual Design, Engineering Design, Contractor Bids Requested, Construction, Completed) and the date when the next phase will start.

Answer: The Columbus 23 facility upgrade project is currently in the project planning and scoping phase. The next step is engineering design, which is expected to begin in Q2 of 2026.

Attachment: None

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-4.157b

Respondent: A. E. Jackson

Page: 1 of 1

Question: Refer to pages 53-54 of Ms. Jackson's direct testimony on the Belle River Mills Z#5 Engine and Compressor Overhaul project. Please:

b. Provide the month and year when the engine and compressor were last overhauled and the cost.

Answer: Last overhaul was completed February 2016 with a cost of $7.1M.

Attachment: None

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-4.161a

Respondent: A. E. Jackson

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Question: Refer to pages 67-69 of Ms. Jackson's direct testimony on the Michigan Ave. Service Center Renovation project. Please:

a. Identify what problems have been experienced at this service center in the past three years that require a major renovation.

Answer: Please reference the attached file U-21973 AGDG-161 Michigan Ave Service Requests inclusive of the service requests at Michigan Ave over the last three years.

Infrastructure is at end of life, particularly HVAC and plumbing. Multiple corrections have been performed to keep the systems running but a full replacement is needed. Over the past three years the Company has had multiple heating or cooling outages at the site. The Company has had leaks and failures with piping systems that have had spot repairs, and has required multiple repairs on fixtures in bathrooms & locker rooms.

Attachment: U-21973 AGDG-4.161 Michigan Ave Service Requests

Michigan Public Service Commission
DTE Gas Company
Discovery Response AGDG-4.161a

Case No.: U-21973
Exhibit: A-41
Schedule: EE4
Witness: A. E. Jackson

TICKETID	SAFETY RELATED	DATE REPORTED	DESCRIPTION	LOCATION	ASSIGNED TO
10973780		3/22/2023	Michigan Ave - Hydraulic leak (seep) coming from hose that dispenses AW32 hydraulic fluid. Garage. B	MICSC	FO_DWEST
10998951	Y	4/10/2023	Michigan Ave - Mold in garage upper office. some on floor and ceiling. - Loc Info: garage area. - Mi	MICSC	FO_DWEST
11048628	Y	5/8/2023	Mini split in Michigan ave garage office not work because needs to be wired up Remove abandoned drainpipe from Michigan Ave Gas Warehouse.	MICSC	FO_DWEST
11145982		7/6/2023	Contact for details	MICSC	FO_DWEST
11230347		8/25/2023	Michigan Ave - Air hose defects at North wall , near office and West wall. . Hydraulic hoses seeping	MICSC	FO_DWEST
11255641		9/11/2023	Michigan Ave Garage - Need to have a 20 amp plug installed upstairs for our hose cut off wheel. - Mi	MICSC	FO_DWEST
11623437		5/10/2024	Remove abandoned pipe in ceiling and racks in whse area for Supply Chain Group v	MICSC	FO_DWEST
11642640		5/21/2024	half of a Tree fell partially blocking driveway. I coned it off to make safe. It	MICSC	FO_DWEST
11650179		5/23/2024	Michigan Ave - Lights over gas pumps flickering . - Tammie Tucker 734-544-7871	MICSC	FO_DWEST
11709115		6/22/2024	Michigan Ave - I have a water leak in the ceiling in my warehouse office. I have a can catching the	MICSC	FO_DWEST
11764355		7/24/2024	Michigan ve - Garage door is inoperative for bay number two. The chain is broken . Has fallen off th	MICSC	FO_DWEST
11800254		8/13/2024	Michigan Ave Garage Bay # 3 - Floor drain in Bay 3 is very slow to drain takes a few days. Michael M	MICSC	FO_DWEST
11802668		8/14/2024	Michigan Ave - Need heat turned off in warehouse and women's restroom. - Tammie Tucker 734 -544-7871	MICSC	FO_DWEST
11873746		9/23/2024	Michigan Ave- Garage bathrooms lights are not working. - Michael Machnak 313)897-0351	MICSC	FO_DWEST
11945483		11/1/2024	Michigan Ave - Filling of potholes and leveling of uneven surfaces in parking lot around roll-off bo	MICSC	FO_DWEST
11945523		11/1/2024	Warehouse metal railing sticking up along floor by rollup door needs to be remov	MICSC	FO_DWEST
11966171		11/14/2024	Michigan Ave - we have serval lights out in the Garage area. let me know if we can update this with	MICSC	FO_DWEST
11978012		11/21/2024	Michigan Ave - Bay door #2 is not fully closing in the Garage . Stops about 3 inches from the floor.	MICSC	FO_DWEST
11984287		11/27/2024	Michigan Ave - An electrical cord has damaged in our parking lot . Aisle # 10 . . Cord was severed .	MICSC	FO_DWEST
11985441		11/27/2024	Michigan Ave - Heat not working in the wash bay at Michigan Ave garage area. Michael Machnak 313-)89	MICSC	FO_DWEST
11990694		12/4/2024	Middle urinal in mens restroom is leaking at the top. - Tammie Tucker 734-544-7871	MICSC	FO_DWEST
12023255		1/2/2025	Michigan Ave * The air compressor in the Garage will not build aiGarage will not build air pressure.	MICSC	FO_DWEST
12049539		1/22/2025	Michigan Ave. Garage Bathroom . -The heat is not working in the garage bathroom . - James Michalik	MICSC	FO_DWEST
12058790		1/30/2025	Michigan Ave We need a replacement of the Warehouse overhead door remote control that goes in the f	MICSC	FO_DWEST
12064902		2/5/2025	Michigan Ave Heat still not working in the bathroom arear of the Michigan Ave garage . -Michael Mac	MICSC	FO_DWEST
12075371		2/17/2025		112430 MICSC	FO_DWEST
12085189		2/26/2025	Michigan Ave - Bathroom light not working on the sink in the garage bathroom Michael Machnak 313) 89	MICSC	FO_DWEST
12094318		3/5/2025	Mini split in Michigan Ave garage area is nor hooked up please look at hooking this unit up during t	MICSC	FO_DWEST
12142495		4/3/2025	Michigan Ave - Lights bulbs need replacing in Warehouse Office. - Keuth Littker 313.858-0250	MICSC	FO_DWEST
12204565		5/5/2025	Michigan Ave Garage - Air compressor has stopped compressor at Michigan Ave Garage stopped working.	MICSC	FO_DWEST
12263831		6/3/2025	Michigan Ave side overhead door will not close.Michael Machnak 313)897-0351	MICSC	FO_DWEST
12286076		6/13/2025	Michigan Ave - Garage door on bay 3 will not close its about 3 feet of the floor. - TTC - Caulk / s	MICSC	FO_DWEST
12309005		6/25/2025	Michigan Ave garage toilet not flushing. I recommend leaving a plunger if possible. Please make this	MICSC	FO_DWEST
12312506		6/27/2025	Michigan Ave - Air conditioning for Mich Ave Warehouse office is not working, - Keith Littler 313-85	MICSC	FO_DWEST
12312509		6/27/2025	Michigan Ave - New window blinds for Mich Ave Warehouse Leader Office - Keith Littler 313-858-0250	MICSC	FO_DWEST
12353922		7/21/2025	ground water intrusion on inground hoist pit in bay 3 at Michigan Ave Garage loc	MICSC	FO_DWEST
12437381		9/4/2025	Michigan Ave Garage wash bay overhead door cable broken. Door is closed but has trailer stuck inside	MICSC	FO_DWEST
12488825	Y	9/29/2025	Michigan Ave Installation of a 6-50R 240 volt 50amp receptacle in bay 6 Michigan ave garage. John Ki	MICSC	FO_DWEST
12489927		9/30/2025	Michigan Ave - Air water separator leaking shop air, causing air compressor to cycle often. This is	MICSC	FO_DWEST
12500270		10/6/2025	Michigan Ave Garage - During a Safety Walk down, a question asked about yellow tape/paint indicator	MICSC	FO_DWEST
12532145	Y	10/21/2025	SR #12353922 (ground water intrusion on inground hoist pit in bay 3 at Michigan Ave Garage loc) the	MICSC	FO_DWEST
12577033	Y	11/14/2025	Michigan Ave - To replace light bulbs in the warehouse that are out causing a safety hazard. - Micha	MICSC	FO_DWEST
12595062	Y	12/1/2025	Michigan Ave please update lights in Michigan Ave garage very hard to see under work areas. please u	MICSC	FO_DWEST
12595082	Y	12/1/2025	Michigan Ave - Heat not working in the Men's bathroom in the Garage space. there was a space heated	MICSC	FO_DWEST

MPSC Case No: U-21973

Requester: AG

Question No.: AGDG-6.231a

Respondent: S. Kehoe

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Question: Refer to Table 26 and lines 4-20 on page 70 of Mr. Kehoe's direct testimony on the additional O&M expenses from union labor negotiations. Please:

a. Explain whether the Company simply acquiesced to the union request for a 20% increase in new hires' starting wages or if there was an effort to negotiate a lower increase. Provide evidence to support your answer. If the Company acquiesced to the request, explain why?

Answer: Negotiations began in September 2024 and concluded in early January 2025. The Company and Union utilized a federal mediator to ensure a fair deal was reached.

Attachment: None