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February 10, 2023

Ms. Lisa Felice
Executive Secretary
Michigan Public Service Commission
7109 West Saginaw Highway
Post Office Box 30221
Lansing, MI 48909

Re: MPSC Case No. U-12278 – Consumers Energy Company's Load Reduction Program Annual Filing

Dear Ms. Felice:

Included for electronic filing in the above-captioned case is **Consumers Energy Company's Load Reduction Program Annual Filing for the Year 2022.** This is a paperless filing and is therefore being filed only in PDF format.

Sincerely,

Digitally signed by
Gary A. Gensch, Jr.
Date: 2023.02.10
14:21:05 -05'00'

Gary A. Gensch, Jr.

cc: Paul Proudfoot, MPSC

S T A T E O F M I C H I G A N

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application of **CONSUMERS ENERGY COMPANY** for a new tariff provision concerning contractual provisions for load reduction in times of high system demands	))))))	Case No. U-12278

CONSUMERS ENERGY COMPANY'S
LOAD REDUCTION PROGRAM ANNUAL FILING FOR THE YEAR 2022

Consumers Energy Company ("Consumers Energy" or the "Company") makes this annual informational filing of customers enrolled in its load reduction program for the year 2022 as required by the Michigan Public Service Commission's ("MPSC" or the "Commission") Order Approving Application dated February 9, 2000. The Order provides: "Consumers Energy Company shall file each year on the anniversary of this order information on the number of customers enrolled in its load reduction program and the corresponding load reduction accomplished."

During 2022, Consumers Energy conducted three residential demand response programs known as Air Conditioning ("AC") Peak Cycling, Smart Thermostat ("STP"), and Peak Time of Use ("TOU"). The TOU program comprises both the Peak Time Rewards ("PTR") and Critical Peak Pricing ("CPP") programs. Total program enrollment as of December 31, 2022 was 90,919 for AC Peak Cycling, 45,287 for STP, and 114,294 for TOU. The peak load reduction in the AC Peak Cycling Program was 0.60 kW per customer. The peak load reduction in the STP program was .92 kW per customer. The peak load reduction in the Peak TOU Program was 0.25 kW per customer for CPP and 0.21 kW per customer for PTR.

The Company also operated a Commercial and Industrial ("C&I") emergency demand response program in 2022. The C&I emergency demand response program had 267.0 MW under contract and included 1,125 customers. There was one emergency demand response event called by the Midcontinent Independent System Operator, Inc. ("MISO") on December 23, 2022. The settlement related to this event is expected to be available on March 26, 2023, and the Company will provide updated information from this settlement as part of the 2022 Demand Response Reconciliation.

The Company has offered an interruptible service rate to primary voltage customers for many years. In 2022, 16 customers were on this rate, with 198.6 MW of load designated as interruptible.

Dated: February 10, 2023

Respectfully submitted,

CONSUMERS ENERGY COMPANY

Attachment A

Case U-12278

Monthly Demand Response Report for December 2022

Tariff and Sheet No.	Number of Service Accounts Enrolled[1]	Total MW Enrolled[2]	Total MW Available[3]	Total MW Called On[4]	Monthly Notes
RESIDENTIAL INTERRUPTIBLE AND PRICE RESPONSE PROGRAMS					
Peak Power Savers® -Air Conditioning Peak Cycling Program; Sheet No. D - 11.10	90,919	54.6	54.6	See event report below	Summer Resource Only
Peak Powers Savers® - Critical Peak Time of Use (RDP) and Peak Rewards Time of Use (RDPR); Sheet No. D-13.00 to D-13.04	114,294	24.6	24.6	See event report below	Summer Resource Only
Smart Thermostat Program	45,287	41.7	41.7	See event report below	Summer Resource Only
TOTAL	250,500	120.9	120.9		
SMALL BUSINESS INTERRUPTIBLE AND PRICE RESPONSE PROGRAMS					
Smart Thermostat Program	1,030	0.62	0.62	See event report below	Summer Resource Only
COMMERCIAL AND INDUSTRIAL INTERRUPTIBLE AND PRICE RESPONSE PROGRAMS					
Rate GPD/GI Provision; Sheet No. D-34.00 & D-34.10	16	198.6	198.6	See event report below	See event report below
C&I DR – Emergency	1125	267.0	267.0	See event report below	No events in December
C&I DR – Economic	3	1.1	1.1	See event report below	
TOTAL	1141	465.6	465.6		

[1] Report the total (cumulative) number of customer accounts enrolled in each demand response program at the end of the reporting period.

[2] Report the total number of MW enrolled in each demand response program at the end of the reporting period, even if the resource is not actually available in the reporting period (i.e. direct ac load control in the winter).

Based on demand response levels observed during 2021 DR events, the per customer kW conversion factors for the residential DR programs were changed as follows for 2022: AC Peak Cycling was decreased from .64 kW per customer in 2021 to .60 kW, RDP was decreased from .31 kW per customer in 2021 to .25 kW, RDPR was decreased from .22 kW per customer in 2021 to .21 kW and the Smart Thermostat Program was increased from .9 kW per customer in 2021 to .92 kW.

[3] Report the maximum number of available MW that could have been called on, if necessary, during the reporting period.

[4] Report the total amount of demand response for interruptible programs, or realized for price response programs, during the reported month.

[5] Column D, E, and F are customer level MWs and are not grossed up.

Monthly Event Reporting

Date	HOUR	TARIFF	MW CALLED[6]	MW RESPONSE[7]	EVENT TYPE[8]	Notes
6/15/2022	1400-1800 EDT	STP	29.0	29.6	ECONOMIC	High: 94°F, Average: 93°F
6/15/2022	1400-1800 EDT	ACPC	38.0	35.1	ECONOMIC	High: 94°F, Average: 93°F
6/15/2022	1400-1800 EDT	PTR	28.9	11.0	ECONOMIC	71,791 Participants
6/15/2022	1400-1800 EDT	CPP	5.4	2.7	ECONOMIC	13,593 Participants
6/15/2022	1400-1800 EDT	SMB-STP	0.3	0.2	ECONOMIC	
6/21/2022	1400-1800 EDT	STP	29.0	20.8	ECONOMIC	High: 95°F, Average: 94°F
6/21/2022	1400-1800 EDT	ACPC	38.0	38.9	ECONOMIC	High: 95°F, Average: 94°F
6/21/2022	1400-1800 EDT	PTR	29.1	15.6	ECONOMIC	72,699 Participants
6/21/2022	1400-1800 EDT	CPP	5.7	3.9	ECONOMIC	13,659 Participants
6/21/2022	1400-1800 EDT	SMB-STP	0.3	0.2	ECONOMIC	
6/22/2022	1400-1800 EDT	PTR	31.1	16.3	ECONOMIC	72,879 Participants
6/22/2022	1400-1800 EDT	CPP	6.0	3.9	ECONOMIC	13,661 Participants
7/19/2022	1400-1800 EDT	STP	29.0	29.0	ECONOMIC	High: 91°F, Average: 89°F
7/19/2022	1400-1800 EDT	CPP	14.6	1.6	ECONOMIC	13,876
7/19/2022	1400-1800 EDT	PTR	76.7	6.7	ECONOMIC	76,812
7/19/2022	1400-1800 EDT	GENR-Pilot	0.2	0.4	ECONOMIC	232
7/19/2022	1400-1800 EDT	ACPC	38	35.3	ECONOMIC	85,891
7/19/2022	1400-1800 EDT	SMB-STP	0.3	0.4	ECONOMIC	10,411
7/20/2022	1400-1800 EDT	GENR-CONCERTO	0.1	0.2	ECONOMIC	5,353
7/21/2022	1400-1800 EDT	STP	29.0	20.2	ECONOMIC	292
7/21/2022	1400-1800 EDT	CPP	14.6	2.5	ECONOMIC	13,893
7/21/2022	1400-1800 EDT	PTR	77	14.2	ECONOMIC	77,247
7/21/2022	1400-1800 EDT	GENR-CONCERTO	0.1	0.1	ECONOMIC	100
7/21/2022	1400-1800 EDT	GENR-Pilot	0.5	0.3	ECONOMIC	237
7/21/2022	1400-1800 EDT	ACPC	38	41.7	ECONOMIC	85,777
7/21/2022	1400-1800 EDT	SMB-STP	0.3	0.3	ECONOMIC	10,418
9/21/2022	1400-1800 EDT	SMART OUTLET-Pilot	0.092	0.030	ECONOMIC	90
9/21/2022	1400-1500 EDT	PTR	0.001	0.000	ECONOMIC	1
9/21/2022	1100-1300 EDT	ACPC	0.0000	0.0020	ECONOMIC	1

[6] For price response programs, provide an estimate of maximum number of MW that could have responded to the price signal. Include a description of how this number was calculated.

[7] For price response programs, provide an estimate of the MW response. Include a description of how this estimate was calculated. Values are unaudited real-time system data. Evaluated results are provided in DR Reconciliation filings.

[8] For example, economic, reliability, or other (specify) type of event.