



A CMS Energy Company

February 9, 2018

Ms. Kavita Kale
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. Kale:

Included for electronic filing in the above-captioned case is **Consumers Energy Company’s Load Reduction Program Annual Filing for the Year 2017**. This is a paperless filing and is therefore being filed only in PDF format.

Sincerely,

Gary A. Gensch, Jr.

cc: Gary Kitts, MPSC

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STATE OF MICHIGAN
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 2017

Consumers Energy Company (“Consumers Energy” or the “Company”) makes this annual informational filing of customers enrolled in its load reduction program for the year 2017 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 2017, Consumers Energy conducted two residential demand response programs known as Air Conditioning (“AC”) Peak Cycling and Peak Time of Use (“TOU”) and a Commercial and Industrial (“C&I”) Program. The Company’s 2017 residential AC Peak Cycling Program enrolled 30,219 participants, and the residential Peak TOU Program enrolled 17,432 participants. The average load reduction in the AC Peak Cycling Program was 0.58 kW per customer. The average load reduction in the Peak TOU Program was 0.63 kW per customer.

The Company had both an emergency and an economic demand response program in the C&I market during 2017. The emergency demand response program in the C&I market had 50.1 MW under contract and included 125 customer participants. There were no emergency

demand response events called by the Midcontinent Independent System Operator, Inc. during the 2017 demand response season. The economic demand response program in the C&I market had 19.5 MW under contract and included 45 C&I customer participants. There were nine economic demand response events during the 2017 demand response season. Load reduction in the C&I economic demand response program averaged 2.09 MW per customer. For additional detail, please see Attachment 1, which is the annual information that was provided to the Commission in the Company's December 2017 monthly demand response report.

The Company has offered an interruptible service rate to primary voltage customers for many years. In 2017, 19 customers were on this rate, with 112.2 MW of load designated as interruptible. No load interruptions were ordered by the grid operator during the year.

Consumers Energy notes that it is providing the Commission additional reports that contain the same information that is in this report. For example, the Company provides demand response information as part of its monthly 45-day reports. Consumers Energy also will perform demand response reporting as part of its annual demand response reconciliation filings. Accordingly, Consumers Energy requests that the Commission issue an order removing the requirement that Consumers Energy continue demand response reporting in Case No. U-12278.

Dated: February 9, 2018

Respectfully submitted,

CONSUMERS ENERGY COMPANY

Monthly Demand Response Report for December 2017

Tariff and Sheet No.	Number of Service Accounts Enrolled ¹	Total MW Enrolled ²	Total MW Available ³	Total MW Called On ⁴	Notes	
RESIDENTIAL INTERRUPTIBLE AND PRICE RESPONSE PROGRAMS						
Peak Power Savers® ; Sheet No. D - 11.00 - 11.10	30,219	33.8452			Summer only resource	
RDP & RDPR; Sheet No. D - 13.00, D-13.01, D-13.02	17,432	10.9821			Summer only resource	
TOTAL	47651	44.8273				
COMMERCIAL AND INDUSTRIAL INTERRUPTIBLE AND PRICE RESPONSE PROGRAMS						
Rate GPD/GI Provision; Sheet No. D-34.00 & D-34.10	18	112.2	112.2	0	There were no GI warnings or enactments, or load changes during Dec.	
C&I DR – Emergency	125	50.1	50.1	0		
C&I DR – Economic	45	19.5	19.5	19.5	4MW nomination has been removed from the economic program at their request	94.9
TOTAL	188	181.8	181.8	19.5		4.866667 2.108889

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

² Report the total number of MW enrolled in each tariffed 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).

Total MW Enrolled for DLM calculation is number of service accounts enrolled multiplied by a 1.12per kW conversion factor and RDP&RDPR uses a 0.63 per kW conversion factor.

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 ⁵	MW RESPONSE ⁶	EVENT TYPE ⁷	Notes
9/21/2017	1400 - 2000	Peak Power Savers®	17.313	4.500	Economic DR	15,458 customers @ 1.12 kW. MW Response based on estimated event results.
9/21/2018	1400 - 1800	RDP	2.2056	1.050	Economic DR	3,501 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/21/2019	1400 - 1800	RDPR	1.102	0.260	Economic DR	1,749 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/21/2020	1400 - 1800	C&I Economic DR	19.5	7.900	Economic DR	45 customers voluntarily participated.
9/22/2017	1400 - 1800	Peak Power Savers®	8.357	3.030	Economic DR	7,462 customers @ 1.12 kW. MW Response based on estimated event results.
9/22/2018	1400 - 1800	RDP	4.261	1.800	Economic DR	6,764 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/22/2019	1400 - 1800	RDPR	2.267	0.260	Economic DR	3,598 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/22/2020	1400 - 1800	C&I Economic DR	19.5	12.300	Economic DR	45 customers voluntarily participated.

9/25/2017	1600 -2000	Peak Power Savers®	15.624	4.300	Economic DR	13,950 customers @ 1.12 kW. MW Response based on estimated event results.
9/26/2017	1400 - 1800	Peak Power Savers®	13.522	4.500	Economic DR	12,073 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/26/2018	1400 - 1800	RDP	4.306	1.750	Economic DR	6,835 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/26/2019	1400 - 1800	RDPR	2.299	0.500	Economic DR	3,649 customers @ 0.63 kW. MW Response based on estimated event baseline.
9/26/2020	1400 - 1800	C&I Economic DR	19.5	9.600	Economic DR	45 customers voluntarily participated.
8/2/2017	2 pm - 6 pm	Peak Power Savers®	11.29 MW	4.70 MW	Economic	10,078 customers @ 1.12 kW. MW Response based on estimated event results.
8/2/2018	2 pm - 6 pm	RDP	3.32 MW	1.68 MW	Economic	5,281 customers @ 0.63 kW. MW Response based on estimated event baseline.
8/2/2019	2 pm - 6 pm	RDPR	1.76 MW	0.73 MW	Economic	2,791 customers @ 0.63 kW. MW Response based on estimated event baseline.
8/2/2020	2 pm - 6 pm	C&I Economic	19.5 MW	8.30	Economic	45 customers voluntarily participated
8/21/2017	2 pm - 6 pm	Peak Power Savers®	7.55 MW	2.70 MW	Economic	6,741 customers @ 1.12 kW. MW Response based on estimated event results.
8/21/2018	2 pm - 6 pm	RDP	3.69 MW	1.85 MW	Economic	5,852 customers @ 0.63 kW. MW Response based on estimated event baseline.
8/21/2019	2 pm - 6 pm	RDPR	1.95 MW	0.86 MW	Economic	3,099 customers @ 0.63 kW. MW Response based on estimated event baseline.
	2 pm - 6 pm	C&I Economic	19.5 MW	8.10	Economic	45 customers voluntarily participated
7/13/17	1400-1800	RDP	3.04	1.50	Economic	4,821 customers @ 0.63 KW. MW response based on estimated event baseline.
7/13/17	1400-1800	RDPR	1.56	0.65	Economic	2,482 customers @ 0.63 KW. MW response based on estimated event baseline.
7/13/17	1400-1800	C&I - Economic	19.8	9.60	Economic	43 customers
7/19/17	1400-1800	Peak Power Savers®	3.98	1.85	Economic	3,556 customers @ 1.12 kW. MW Response based on estimated event baseline.
7/19/17	1400-1800	RDPR	1.09	0.92	Economic	1,743 customers @ 0.63 KW. MW response based on estimated event baseline.
7/19/17	1400-1800	RDP	1.608	0.40	Economic	2,553 customers @ 0.63 KW. MW response based on estimated event baseline.
7/19/17	1400-1800	C&I - Economic	19.8	12.70	Economic	43 customers
7/20/17	1400-1800	Peak Power Savers®	4.05	3.65	Economic	3,616 customers @ 1.12 kW. MW Response based on estimated event baseline.
7/20/17	1400-1800	RDPR	1.12	0.92	Economic	1,781 customers @ 0.63 KW. MW response based on estimated event baseline.

7/20/17	1400-1800	RDP	2.28	0.40	Economic	3,613 customers @ 0.63 KW. MW response based on estimated event baseline.
7/20/17	1400-1800	C&I - Economic	19.8	13.20	Economic	43 customers
7/21/17	1400-1800	Peak Power Savers®	10.44	1.31	Economic	9,321 customers @ 1.12 kW. MW Response based on estimated event baseline.
7/21/17	1400-1800	RDP	3.13	0.83	Economic	4,973 customers @ 0.63 KW. MW response based on estimated event baseline.
7/21/17	1400-1800	RDPR	1.63	0.35	Economic	2,585 customers @ 0.63 KW. MW response based on estimated event baseline.
6/6/2017	1400-1600	Peak Power Savers®	0.0	0.000	Economic	Test of meter/switch communication only. 4,162 customer switches tested; test was successful. No load reduction expected or realized.
6/12/2017	1200-1900	Peak Power Savers®	3.980	1.50	Economic	MW Called: 3,556 customers @ 1.12 kW. MW Response based on estimated event baseline.
6/13/2017	1400-1800	C&I - Economic	19.8	13.20	Economic	43 customers participated in this voluntary event
6/14/2017	1400-1800	RDPR	0.500	0.11	Economic	MW Called: 1,743 customers @ 0.63 kW. MW Response based on estimated event baseline.
6/15/2017	1400-1800	RDP	1.200	0.228	Economic	MW Called: 3,616 customers @ 0.63 KW. MW response based on estimated event baseline.
6/15/2017	1400-1800	RDPR	0.300	0.112	Economic	MW Called: 1,781 customers @ 0.63 kW. MW Response based on estimated event baseline.
6/16/2017	1400-1800	RDP	0.978	0.228	Economic	MW Called: 3,613 customers @ 0.63 kW. MW Reponse based on estimated event baseline.