

Energy Waste Reduction 2019 Annual Report for Michigan Electric Municipal Utilities

Introduction

Pursuant to 2016 Public Act 342 (PA 342), the municipal utilities are filing this annual energy waste reduction (EWR) report with the Michigan Public Service Commission (MPSC). This EWR annual report consists of two sections:

- Section 1 will address the requirements under PA 342 Section 97, Subsections 1-3 and Section 71, Subsection 4 (i).
- Section 2 will summarize the EWR programs implemented in 2019.

SECTION 1: PA 342 SECTION 97 AND SECTION 71 REQUIREMENTS

Section 97 (1) By a time determined by the commission, each provider shall submit to the commission an annual report that provides information relating to the actions taken by the provider to comply with the energy waste reduction standards.

Each municipal electric provider has continued to offer Energy Waste Reduction programs to all customer classes. Attachment A provides a list of EWR programs offered by each provider and the implementation contractors if applicable.

Section 97 (2) Annual reports under subsection (1) shall include the following: (a) The amount of energy waste reduction achieved during the reporting period. (b) Expenditures made in the past year and anticipated future expenditures to comply with this subpart. (c) Any other information that the commission determines necessary.

The number of energy waste reduction credits (in megawatt hours) generated for 2019 and the targets for 2020 are shown in Attachment B for the municipal utilities. The expenditures for 2019 for the Low Income, Residential, Commercial/Industrial programs and Administration/EM&V can be found in Attachment C. The EWR Residential surcharge for each municipal in cost per kilowatt hour (or cost per meter) along with the responsible party for administration of programs is listed in Attachment D.

Section 97 (3) Concurrent with the submission of each report under subsection (1), a municipally-owned electric utility shall submit a summary of the report to its customers with a bill insert and to its governing body. A municipally owned electric utility shall make a copy of the report available at its office and shall post a copy of the report on its website.

Each municipal electric utility will submit a summary of this annual report to its customers and its governing body; make it available at its office and on its website.

Section 71 (4)(i) Include a process for obtaining an independent expert evaluation of the actual energy waste reduction programs to verify the incremental energy savings from each energy waste reduction program for purposes of section 77.

The verification of the incremental gross energy savings for each municipal electric utility was performed where funding allowed.

SECTION 2: SUMMARY OF EWR PROGRAMS IMPLEMENTED IN 2019

Residential Low Income Services

All the municipal electric utilities continued to offer low income programs to their customers in 2019.

Residential Solutions

All the municipal electric utilities offered programs to their residential customers, examples of the types of programs are listed below.

- *Efficient Lighting Program*
- *Appliance Turn-In and Recycling Program*
- *Residential Education Services*
- *Residential HVAC and Appliances*
- *Audit and Weatherization*
- *Farm Services*
- *Residential Home Energy*
- *New Construction*
- *Residential Multi-Family In-Unit Efficiency*
- *Electric Water Heater Savings Kits*
- *Pilot/Emerging Technology Programs*

Business Solutions

All the municipal electric utilities offered programs to their commercial and industrial customers, examples of the types of programs are listed below.

- *Commercial and Industrial Prescriptive Incentive Program*
 - *Commercial and Industrial Custom Incentive Program*
 - *Multi-Family Common Area Program*
 - *Small Business Direct Install*
 - *New Construction & Remodeling*
 - *Business Education Services*
 - *Pilot/Emerging Technology Programs*
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ENERGY WASTE REDUCTION PROGRAMS AND CONTRACTORS

INDEPENDENTLY ADMINISTERING

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Village of Clinton	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Residential Education Services	2009	Internally
		4	Residential Appliances & HVAC	2009	Internally
	C & I	1	Business Services	2009	Internally
		2	Education Services	2009	Internally
Eval		Evaluation & Verification	2009	Local Police Officer	
Coldwater Board of Public Utilities	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	In transition
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2009	Internally
		7	Residential Pilot Programs	2009	Internally
		C & I	1	Prescriptive Incentive	2009
	2		Custom Incentive	2009	Internally
	3		Education Services	2009	Internally
	4		Pilot Programs	2009	Internally
Eval	Evaluation & Verification	2010	E3M Solutions		
Lansing Board of Water & Light	Residential	1	Residential Low Income	2009	MEO & Internally
		2	Efficient Lighting Program	2009	MEO/Franklin (2018)
		3	Appliance Recycling	2009	MEO (2011)
		4	Residential Appliances & HVAC	2010	MEO/Franklin (2018)
		5	Residential Multi-Family In-Unit Efficiency	2010	MEO/Franklin (2018)
		6	Residential Education Services	2009	National Energy Foundation/Apogee/Internally
		7	Residential Pilot Programs	2011	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Questline/Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
City of Marshall	Residential	1	Residential Low Income	2009	Internally
		2	Residential Services	2009	Internally
		3	Residential Education Services	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Internally
		2	Custom Incentive	2009	Internally
		3	Education Services	2009	Internally
Eval	Evaluation & Verification	2010	Internally		
Sebewaing	Residential	1	Residential Low Income	2009	Internally
		2	Residential Services	2009	Internally
		3	Residential Education Services	2009	Internally
		4	Residential Pilot	2010	Internally
		5	Residential Appliances & HVAC	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Internally
		2	Custom Incentive	2009	Internally
		3	Education Services	2009	Internally
		4	Pilot Programs	2010	Internally
Eval	Evaluation & Verification	2009	DNV-GL		
Union City Electric Department	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Residential Education Services	2009	Internally
	C&I	1	Prescriptive Incentive Program	2009	Internally
		2	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	Local Police Officer
City of Wakefield	Residential	1	Residential Low Income	2009	Internally
		2	Residential Services	2009	Internally
		3	Residential Education Services	2009	Internally
	C&I	1	Business Services	2009	Internally
		2	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	Internally

MECA COLLABORATIVE

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Daggett Electric Department	Residential	1	Income Qualified	2016	slipstream (previously named WECC)
		2	High Efficiency Products	2016	slipstream (previously named WECC)
		3	Education Services	2016	slipstream (previously named WECC)
		4	Pilot Programs	2016	slipstream (previously named WECC)
	C & I	1	General Business Services	2016	slipstream (previously named WECC)
		2	Education Services	2016	slipstream (previously named WECC)
		3	Pilot Programs	2016	slipstream (previously named WECC)
	Eval	Evaluation & Verification	2016	DNV-GL	
Escanaba Electric Department	Residential	1	Income Qualified	2009	slipstream (previously named WECC)
		2	High Efficiency Products	2009	slipstream (previously named WECC)
		3	Appliance Recycling	2009	slipstream (previously named WECC)
		4	Efficient HVAC	2009	slipstream (previously named WECC)
		5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
		6	Education Services	2009	slipstream (previously named WECC)
		7	Pilot Programs	2009	slipstream (previously named WECC)
	C & I	1	General Business Services	2009	slipstream (previously named WECC)
		2	Education Services	2009	slipstream (previously named WECC)
		3	Pilot Programs	2009	slipstream (previously named WECC)
	Eval	Evaluation & Verification	2009	DNV-GL	
Marquette Board of Light & Power	Residential	1	Residential Low Income	2009	slipstream (previously named WECC)
		2	High Efficiency Products	2009	slipstream (previously named WECC)
		3	Appliance Recycling	2009	slipstream (previously named WECC)
		4	Efficient HVAC	2009	slipstream (previously named WECC)
		5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
		6	Education Services	2009	slipstream (previously named WECC)
		7	Pilot Programs	2009	slipstream (previously named WECC)
	C&I	1	General Business Services	2009	slipstream (previously named WECC)
		2	Education Services	2009	slipstream (previously named WECC)
		3	Pilot Programs	2009	slipstream (previously named WECC)
	Eval	Evaluation & Verification	2009	DNV-GL	
Newberry Water & Light Board	Residential	1	Residential Low Income	2009	slipstream (previously named WECC)
		2	High Efficiency Products	2009	slipstream (previously named WECC)
		3	Appliance Recycling	2009	slipstream (previously named WECC)
		4	Efficient HVAC	2009	slipstream (previously named WECC)
		5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
		6	Education Services	2009	slipstream (previously named WECC)
		7	Pilot Programs	2009	slipstream (previously named WECC)
	C&I	1	General Business Services	2009	slipstream (previously named WECC)
		2	Education Services	2009	slipstream (previously named WECC)
		3	Pilot Programs	2009	slipstream (previously named WECC)
	Eval	Evaluation & Verification	2009	DNV-GL	
South Haven Dept. of Public Works	Residential	1	Residential Low Income	2016	slipstream (previously named WECC)
		2	High Efficiency Products	2016	slipstream (previously named WECC)
		3	Appliance Recycling	2016	slipstream (previously named WECC)
		4	Efficient HVAC	2016	slipstream (previously named WECC)
		5	Audit & Weatherization / New Construction	2016	slipstream (previously named WECC)
		6	Farm Services	2016	slipstream (previously named WECC)
		7	Education Services	2016	slipstream (previously named WECC)
		8	Pilot Programs	2016	slipstream (previously named WECC)
	C & I	1	General Business Services	2016	slipstream (previously named WECC)
		2	Education Services	2016	slipstream (previously named WECC)
3		Pilot Programs	2016	slipstream (previously named WECC)	
	Eval	Evaluation & Verification	2016	DNV-GL	
City of Stephenson	Residential	1	Residential Low Income	2009	slipstream (previously named WECC)
		2	High Efficiency Products	2009	slipstream (previously named WECC)
		3	Appliance Recycling	2009	slipstream (previously named WECC)
		4	Efficient HVAC	2009	slipstream (previously named WECC)
		5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
		6	Education Services	2009	slipstream (previously named WECC)
		7	Pilot Programs	2009	slipstream (previously named WECC)
	C & I	1	General Business Services	2009	slipstream (previously named WECC)
		2	Education Services	2009	slipstream (previously named WECC)
		3	Pilot Programs	2009	slipstream (previously named WECC)
	Eval	Evaluation & Verification	2009	DNV-GL	

MPPA Collaborative					
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Bay City Electric Light & Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	Internally
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Internally
		6	Residential Home Energy Programs	2010	Internally
		7	Electric Water Heater Saving Kits	2010	Internally
		8	Residential Pilot Programs	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
4		Education Services	2009	Internally	
5		Pilot Programs	2010	Internally	
Eval	Evaluation & Verification	2009	DNV-GL		
City of Charlevoix	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
Eval	Evaluation & Verification	2009	DNV-GL		
Chelsea Electric Department	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Pilot Programs	2010	Franklin Energy (2015)
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
5	Pilot Programs	2010	Franklin Energy (2015)		
Eval	Evaluation & Verification	2009	DNV-GL		
Croswell Light & Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
		3	Appliance Recycling	2009	Franklin Energy
		4	Efficient Appliances & HVAC	2009	Franklin Energy
		5	Residential Pilot Programs	2009	Internally
		6	Educational Services	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
Eval	Evaluation & Verification	2009	DNV-GL		
City of Eaton Rapids	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Pilot Programs	2010	Franklin Energy (2015)
		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Home Energy Program	2012	Franklin Energy (2015)
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
5	Pilot Programs	2010	Internally		
Eval	Evaluation & Verification	2009	DNV-GL		

MPPA Collaborative (continued)

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Grand Haven Board of Light & Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Home Energy Program	2012	Internally
		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy (2015)
		8	Residential Pilot Programs	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
4		Education Services	2009	Internally	
5		Pilot Programs	2010	Internally	
Eval	Evaluation & Verification	2009	DNV-GL		
City of Hart Hydro Electric	Residential	1	Residential Low Income	2010	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval	Evaluation & Verification	2009	DNV-GL	
	Holland Board of Public Works	Residential	1	Residential Low Income	2009
2			Efficient Lighting Program	2009	Internally (2013)
3			Appliance Recycling	2009	PADNOS (2015)
4			Residential Multi-Family In-Unit Efficiency	2009	Internally
5			Residential Appliances & HVAC	2009	Internally & Franklin Energy
6			Home Energy	2012	Internally
7			Residential Education Services	2009	Internally, National Energy Foundation, West Michigan Environmental Action Council
8			Residential Pilot Programs	2009	Internally, Ottawa County CAA
C & I		1	Prescriptive Incentive	2009	Internally (2015)
		2	Custom Incentive	2009	Internally (2015)
		3	Small Business Direct Install	2011	Internally (2015)
	4	Education Services	2009	Internally	
5	Pilot Programs	2009	Internally		
Eval	Evaluation & Verification	2009	DNV-GL		
Lowell Light and Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Pilot Programs	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		5	Pilot Programs	2009	Internally
Eval	Evaluation & Verification	2009	DNV-GL		

MPPA Collaborative (continued)

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Niles Utilities Department	Residential	1	Residential Low Income	2010	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2009	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
Eval	Evaluation & Verification	2009	DNV-GL		
Village of Paw Paw	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Multi-Family In-Unit Efficiency	2009	Franklin Energy
		5	Residential Education Services	2009	Franklin Energy (2015)
		6	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
Eval	Evaluation & Verification	2009	DNV-GL		
City of Petoskey	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Pilot Programs	2010	Franklin Energy (2015)
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
5	Pilot Programs	2010	Franklin Energy (2015)		
Eval	Evaluation & Verification	2009	DNV-GL		
Portland Light and Power Board	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
Eval	Evaluation & Verification	2009	DNV-GL		
City of St. Louis	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Pilot Programs	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
5	Pilot Programs	2010	Internally		
Eval	Evaluation & Verification	2009	DNV-GL		

MPPA Collaborative (continued)

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
City of Sturgis	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Residential Home Energy Program	2012	Internally
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Pilot Programs	2010	Internally
		5	Education Services	2009	Franklin Energy (2015)
	Eval	Evaluation & Verification	2009	DNV-GL	
Traverse City Light and Power	Residential	1	Residential Low Income	2009	Internally (2018)
		2	Efficient Lighting Program	2009	Internally (2018)
		3	Appliance Recycling	2009	Internally (2018)
		4	Residential Education Services	2009	Internally (2018)
		5	Residential Appliances & HVAC	2009	Internally (2018)
		6	Residential Pilot Programs	2009	Internally (2018)
	C & I	1	Prescriptive Incentive	2009	Internally (2018)
		2	Custom Incentive	2009	Internally (2018)
		3	Small Business Direct Install	2011	Internally (2018)
		4	Education Services	2009	Internally (2018)
		5	Pilot Programs	2009	Internally (2018)
		Eval	Evaluation & Verification	2009	DNV-GL
	Wyandotte Municipal Services	Residential	1	Residential Low Income	2009
2			Efficient Lighting Program	2009	Internally
3			Appliance Recycling	2009	Franklin Energy
4			Residential Education Services	2009	Internally
5			Residential Pilot Programs	2009	Internally
6			Residential Appliances & HVAC	2010	Franklin Energy
C & I		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Pilot Programs	2009	Internally
		4	Education Services	2009	Internally
	Eval	Evaluation & Verification	2009	DNV-GL	
Zeeland Board of Public Works	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2010	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Pilot Programs	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval	Evaluation & Verification	2010	DNV-GL	

ATTACHMENT B

MWh Data

Electric Municipals	1.00%			1.00%
	2019 Target	2019 Actual	% Achieved	2020 Target
Bay City Electric Light & Power	2,260	2,698	119%	2,322
City of Charlevoix	562	645	115%	529
Chelsea Electric Department	683	394	58%	986
Village of Clinton	213	214	100%	216
Coldwater Board of Public Utilities	2,430	5,688	234%	2,431
Croswell Light & Power Department	410	295	72%	410
Daggett Electric Department	12	12	108%	16
City of Eaton Rapids	1,035	944	91%	1,063
Escanaba Electric Department	1,420	1,512	107%	1,451
Grand Haven Board of Light and Power	2,053	3,352	163%	2,087
City of Hart Hydro Electric	525	404	77%	514
Holland Board of Public Works	7,420	10,152	137%	7,491
Lansing Board of Water & Light	21,771	24,110	111%	19,904
Lowell Light and Power	550	1,318	240%	559
Marquette Board of Light and Power	3,019	3,492	116%	3,170
City of Marshall Electric Department	975	670	69%	1,058
Newberry Water & Light Board	170	181	107%	187
Niles Utilities Department	1,285	540	42%	1,313
Village of Paw Paw	287	154	54%	291
City of Petoskey	688	2,038	296%	692
Portland Light and Power Board	246	234	95%	252
Sebewaing Light & Water Dept.	269	273	101%	268
South Haven Dept. of Public Works	1,397	1,551	111%	1,439
City of St. Louis	245	221	90%	248
City of Stephenson	61	64	106%	67
City of Sturgis	1,590	2,106	132%	1,922
Traverse City Light & Power	3,214	4,835	150%	2,455
Union City	150	161	108%	148
City of Wakefield	260	11	4%	130
Wyandotte Municipal Services	1,541	698	45%	1,529
Zeeland Board of Public Works	3,944	2,985	76%	4,040

ATTACHMENT C

Actual 2019 Expenditures

Electric Municipals	Total 2019	Residential w/o Low Income	Residential with Low Income	Commercial & Industrial	Low Income	Admin & Eval
Bay City Electric Light & Power	\$489,554	\$182,371	\$241,885	\$204,469	\$59,514	\$43,200
City of Charlevoix	\$73,807	\$20,601	\$27,967	\$41,214	\$7,366	\$4,626
Chelsea Electric Department	\$56,310	\$21,214	\$22,838	\$27,663	\$1,624	\$5,809
Village of Clinton	\$13,450	\$8,372	\$8,659	\$2,491	\$287	\$2,300
Coldwater Board of Public Utilities	\$390,387	\$27,669	\$36,097	\$243,322	\$8,428	\$110,968
Croswell Light & Power Department	\$25,615	\$344	\$382	\$21,664	\$38	\$3,569
Daggett Electric Department	\$6,178	\$502	\$1,727	\$3,632	\$1,225	\$819
City of Eaton Rapids	\$97,625	\$27,109	\$32,793	\$60,112	\$5,684	\$4,720
Escanaba Electric Department	\$224,710	\$46,710	\$50,130	\$163,153	\$3,420	\$11,427
Grand Haven Board of Light and Power	\$316,077	\$103,567	\$105,983	\$182,219	\$2,416	\$27,875
City of Hart Hydro Electric	\$45,296	\$11,130	\$12,986	\$28,419	\$1,856	\$3,891
Holland Board of Public Works	\$1,098,806	\$235,018	\$294,664	\$676,877	\$59,646	\$127,265
Lansing Board of Water & Light	\$3,855,083	\$929,679	\$1,176,738	\$2,200,810	\$247,059	\$477,535
Lowell Light and Power	\$96,360	\$11,258	\$13,095	\$74,007	\$1,837	\$9,258
Marquette Board of Light and Power	\$470,458	\$100,878	\$107,702	\$338,555	\$6,828	\$24,201
City of Marshall Electric Department	\$45,598	\$8,123	\$9,347	\$20,958	\$1,224	\$15,293
Newberry Water & Light Board	\$28,357	\$7,181	\$8,746	\$16,177	\$1,565	\$3,434
Niles Utilities Department	\$76,379	\$33,838	\$44,162	\$24,747	\$10,324	\$7,470
Village of Paw Paw	\$29,601	\$18,290	\$20,378	\$5,183	\$2,088	\$4,040
City of Petoskey	\$91,910	\$28,533	\$33,941	\$51,408	\$5,408	\$6,561
Portland Light and Power Board	\$37,008	\$18,855	\$24,597	\$8,710	\$5,742	\$3,701
Sebewaing Light & Water Dept.	\$77,993	\$14,664	\$18,724	\$53,869	\$4,060	\$5,400
South Haven Dept. of Public Works	\$215,222	\$61,638	\$68,775	\$134,667	\$7,137	\$11,780
City of St. Louis	\$31,285	\$11,403	\$15,405	\$11,765	\$4,002	\$4,115
City of Stephenson	\$10,638	\$3,878	\$4,309	\$4,920	\$438	\$1,409
City of Sturgis	\$217,742	\$53,390	\$70,790	\$135,440	\$17,400	\$11,512
Traverse City Light & Power	\$346,487	\$20,468	\$37,916	\$233,869	\$17,448	\$74,702
Union City	\$17,426	\$5,100	\$5,161	\$8,840	\$61	\$3,425
City of Wakefield	\$11,072	\$2,476	\$2,751	\$8,252	\$275	\$70
Wyandotte Municipal Services	\$131,016	\$42,329	\$47,032	\$38,215	\$4,703	\$45,769
Zeeland Board of Public Works	\$255,799	\$40,599	\$48,951	\$194,949	\$8,352	\$11,899

ATTACHMENT D

Energy Waste Reduction Administration and Residential Surcharges for 2019			
Electric Municipals	Docket No.	Administration 2019	EWR Residential Surcharge per \$/kWh or Per Meter
Bay City Electric Light & Power	U-18282	MPPA	0.000825
City of Charlevoix	U-18283	MPPA	\$0.00178
Chelsea Department of Electric and Water	U-18284	MPPA	\$0.00100
Village of Clinton	U-18285	Independently	\$0.00000
Coldwater Board of Public Utilities	U-18286	Independently	\$0.00252
Croswell Municipal Light & Power Department	U-18287	MPPA	\$0.00169
Daggett Electric Department	U-18289	MECA	\$0.01280
City of Eaton Rapids	U-18292	MPPA	\$0.00180
Escanaba Electric Department	U-18293	MECA	\$0.00216
Grand Haven Board of Light and Power	U-18295	MPPA	\$0.00000
City of Hart Hydro Electric	U-18297	MPPA	\$0.00130
Holland Board of Public Works	U-18299	MPPA	\$0.00175
Lansing Board of Water & Light	U-18301	Independently	\$0.00268
Lowell Light and Power	U-18302	MPPA	\$0.00163
Marquette Board of Light and Power	U-18303	MECA	\$0.00171
City of Marshall Electric Department	U-18304	Independently	\$0.00000
Newberry Water & Light Board	U-18306	MECA	\$0.00137
Niles Utilities Department	U-18307	MPPA	\$0.00000
Village of Paw Paw	U-18309	MPPA	\$0.00120
City of Petoskey	U-18310	MPPA	\$0.00182
Portland Light and Power Board	U-18311	MPPA	\$0.00188
Sebewaing Light & Water Dept.	U-18312	Independently	\$0.00174
South Haven Dept. of Public Works	U-18313	MECA	\$0.00161
City of St. Louis	U-18341	MPPA	\$0.00114
City of Stephenson	U-18315	MECA	\$0.00225
City of Sturgis	U-18316	MPPA	\$0.00191
Traverse City Light & Power	U-18317	MPPA	\$0.00000
Union City	U-18318	Independently	\$0.00090
City of Wakefield	U-18319	Independently	\$0.00170
Wyandotte Municipal Services	U-18320	MPPA	\$0.00197
Zeeland Board of Public Works	U-18321	MPPA	\$0.50 Per Meter