Energy Waste Reduction 2018 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 2018.

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 2018 and the targets for 2019 are shown in Attachment B for the municipal utilities. The expenditures for 2018 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 2018

Residential Low Income Services

All the municipal electric utilities continued to offer low income programs to their customers in 2018.

Residential Solutions

All the municipal electric utilities continued to offer 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 continued to offer 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

			WASTE REDUCTION PROGRAMS A	ND COM	ITRACTORS
			INDEPENDENTLY ADMINISTE		
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	Internally
	Residential	2	Efficient Lighting Program	2009	Internally
Village of		3	Residential Education Services	2009	Internally
Clinton		4	Residential Appliances & HVAC	2009	Internally
	C & I	1	Business Services Education Services	2009 2009	Internally Internally
	Car	∠ Eval	Evaluation & Verification	2009	Local Police Officer
		2 10.		2000	
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
	Residential	3	Appliance Recycling	2009	In transition
Coldwater		4 5	Residential Education Services Residential Appliances & HVAC	2009 2009	Internally Internally
Board of		7	Residential Pilot Programs	2009	Internally
Public Utilities		1	Prescriptive Incentive	2009	Internally
		2	Custom Incentive	2009	Internally
	C & I	3	Education Services	2009	Internally
		4	Pilot Programs	2009	Internally
		Eval	Evaluation & Verification	2010	E3M Solutions
r			Desidential Levels and	0000	
		1	Residential Low Income	2009 2009	MEO & Internally
		2	Efficient Lighting Program Appliance Recycling	2009	MEO/Franklin (2018) MEO (2011)
	Residential	4	Residential Appliances & HVAC	2009	MEO/Franklin (2018)
		5	Residential Multi-Family In-Unit Efficiency	2010	MEO/Franklin (2018)
ansing Board		6	Residential Education Services	2009	National Energy Foundation/Apogee/Interna
of Water &		7	Residential Pilot Programs	2011	Internally
Light	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 Eval	Pilot Programs Evaluation & Verification	2010 2009	Internally DNV-GL
		Lvai		2003	
		1	Residential Low Income	2009	Internally
	Residential	2	Residential Services	2009	Internally
City of		3	Residential Education Services	2009	Internally
Marshall		1	Prescriptive Incentive	2009	Internally
	C & I	2	Custom Incentive	2009	Internally
		3 Eval	Education Services Evaluation & Verification	2009 2010	Internally Internally
		Eval		2010	Internally
		т. Т	Residential Low Income	2009	Internally
		1 2	Residential Low Income Residential Services	2009 2009	Internally Internally
	Residential	1		1	
	Residential	1 2	Residential Services	2009	Internally
Sebewaing	Residential	1 2 3 4 5	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC	2009 2009 2010 2010	Internally Internally Internally Internally
Sebewaing -	Residential	1 2 3 4 5 1	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive	2009 2009 2010 2010 2009	Internally Internally Internally Internally Internally
Sebewaing		1 2 3 4 5 1 2	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive	2009 2009 2010 2010 2009 2009	Internally Internally Internally Internally Internally Internally
Sebewaing	Residential	1 2 3 4 5 1 2 3	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services	2009 2009 2010 2010 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally
Sebewaing		1 2 3 4 5 1 2 3 4	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs	2009 2009 2010 2010 2009 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally Internally
Sebewaing		1 2 3 4 5 1 2 3	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services	2009 2009 2010 2010 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally
Sebewaing		1 2 3 4 5 1 2 3 4	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs	2009 2009 2010 2010 2009 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally Internally
		1 2 3 4 5 1 2 3 4 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification	2009 2009 2010 2010 2009 2009 2009 2010 2009	Internally Internally Internally Internally Internally Internally Internally Internally
Union City	C & I	1 2 3 4 5 1 2 3 4 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services	2009 2009 2010 2009 2009 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally DNV-GL Internally Internally Internally Internally Internally
Union City Electric	C & I Residential	1 2 3 4 5 1 2 3 4 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City	C & I	1 2 3 4 5 1 2 3 4 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services	2009 2009 2010 2010 2009 2009 2009 2009	Internally
Union City Electric	C & I Residential	1 2 3 4 5 1 2 3 4 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City Electric	C & I Residential	1 2 3 4 5 1 2 3 4 Eval 2 3 1 2 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Education Services Evaluation & Verification	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City Electric	C & I Residential C&I	1 2 3 4 5 1 2 3 4 Eval 2 3 1 2 5 1 2 2 5 1 2 2 5 1 2 2 5 1 2 2 3 1 2 2 3 1 2 2 3 1 2 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 3 1 2 3 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 1 3 3 1 2 3 3 3 3	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Education Services Residential Low Verification Residential Low Income Education Services Evaluation & Verification Residential Low Income	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City Electric Department	C & I Residential	1 2 3 4 5 1 2 3 4 Eval 1 2 2 3 1 2 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Education Services Residential Education Services Evaluation & Verification Residential Education Services Residential Low Income Residential Services	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City Electric Department	C & I Residential C&I	1 2 3 4 5 1 2 3 4 Eval 2 3 1 2 Eval 2 Eval 2 2 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Residential Education Services Evaluation & Verification Residential Low Income Residential Services Residential Education Services	2009 2009 2010 2009 2009 2009 2009 2009	Internally
Union City Electric Department	C & I Residential C&I	1 2 3 4 5 1 2 3 4 Eval 1 2 2 3 1 2 Eval	Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Prescriptive Incentive Program Education Services Residential Education Services Evaluation & Verification Residential Education Services Residential Low Income Residential Services	2009 2009 2010 2009 2009 2009 2009 2009	Internally

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Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Income Qualified	2016	WECC
		2	High Efficiency Products	2016	WECC
	Residential	3	Education Services	2016	WECC
Daggett		4	Pilot Programs	2016	WECC
Electric		1	General Business Services	2016	WECC
Department	0.0.1	2	Education Services	2016	WECC
	C & I	3	Pilot Programs	2016	WECC
		Eval	Evaluation & Verification	2016	DNV-GL
		T .			
		1	Income Qualified	2009	WECC
		2	High Efficiency Products	2009	WECC
	Desidential	3	Appliance Recycling	2009	WECC
E	Residential	4	Efficient HVAC	2009	WECC
Escanaba		5	Audit & Weatherization / New Construction	2009	WECC
Electric		6	Education Services	2009	WECC
Department		7	Pilot Programs	2009	WECC
		1	General Business Services	2009	WECC
	C & I	2	Education Services	2009	WECC
		3	Pilot Programs	2009	WECC
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Residential Low Income	2009	WECC
		2	High Efficiency Products	2009	WECC
		3	Appliance Recycling	2009	WECC
	Residential	4	Efficient HVAC	2009	WECC
Marquette		5	Audit & Weatherization / New Construction	2009	WECC
oard of Light		6	Education Services	2009	WECC
& Power		7	Pilot Programs	2009	WECC
		1	General Business Services	2009	WECC
	C&I	2	Education Services	2009	WECC
		3	Pilot Programs	2009	WECC
		Eval	Evaluation & Verification	2009	DNV-GL
		1 .			
		1	Residential Low Income	2009	WECC
		2	High Efficiency Products	2009	WECC
	Residential	3	Appliance Recycling	2009	WECC
		4			
Nowborn	Residential	4	Efficient HVAC	2009	
Newberry	Residential	5	Audit & Weatherization / New Construction	2009	WECC
Vater & Light	Residential	5 6	Audit & Weatherization / New Construction Education Services	2009 2009	WECC WECC
	Residential	5 6 7	Audit & Weatherization / New Construction Education Services Pilot Programs	2009 2009 2009	WECC WECC WECC
Vater & Light	Residential	5 6 7 1	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services	2009 2009 2009 2009	WECC WECC WECC WECC
/ater & Light	Residential	5 6 7 1 2	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services	2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC
ater & Light		5 6 7 1 2 3	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC WECC
/ater & Light		5 6 7 1 2	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services	2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC
ater & Light		5 6 7 1 2 3	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC WECC
/ater & Light		5 6 7 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification	2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC WECC DNV-GL
/ater & Light		5 6 7 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC WECC DNV-GL WECC
ater & Light	C&I	5 6 7 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC
/ater & Light Board		5 6 7 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC
Vater & Light Board	C&I	5 6 7 1 2 3 Eval 1 2 3 4	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC
Vater & Light Board South Haven Dept. of	C&I	5 6 7 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC
Jater & Light Board South Haven Dept. of	C&I	5 6 7 1 2 3 Eval 1 2 3 4 5 6	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Jater & Light Board South Haven Dept. of	C&I	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Jater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Vater & Light Board South Haven Dept. of	C&I	5 6 7 1 2 3 Eval 2 3 4 5 6 7 8 8 1 2 3	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Pilot Programs General Business Services Pilot Programs General Business Services Pilot Programs	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC WECC WECC WECC DNV-GL WECC
Jater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 2 3 Eval 4 5 6 7 8 8 1 2	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Jater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 8 1 2 3 Eval	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Jater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 5 6 7 7 8 4 5 6 7 7 8 1 2 3 8 1 2 3 5 5 6 7 7 1 1 2 1 2 1 2 3 1 2 1 2 1 2 1 2 3 1 2 1 2	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Vater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 7 8 1 2 3 Eval 2 3 5 5 6 7 7 8 1 2 3 5 5 6 7 7 1 2 2 3 2 4 4 5 5 6 7 1 2 2 2 3 2 2 2 3 2 2 2 3 2 2 2 3 2 2 3 2 2 3 2 2 3 2 3 2 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 3 2 4 4 3 3 5 3 3 3 3 5 4 4 3 3 5 5 3 3 5 5 3 3 5 5 5 5	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
Jater & Light Board South Haven Dept. of	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 7 8 1 2 3 Eval 2 3 5 5 6 7 7 8 1 2 3 5 5 6 7 7 1 2 3 3 5 7 6 7 7 1 2 3 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
South Haven Dept. of Public Works	C&I Residential	5 6 7 1 2 3 Eval 5 6 7 7 8 4 5 6 7 7 8 1 2 3 8 1 2 3 5 5 6 7 7 8 8 1 1 2 3 5 4 4 5 5 6 7 7 1 2 3 8 8 9 7 1 1 2 3 8 9 8 9 8 9 8 9 9 8 9 9 9 9 9 9 9 9 9	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
City of	C&I Residential	5 6 7 1 2 3 Eval 2 3 4 5 6 7 7 8 8 1 2 3 Eval 2 3 5 5 5 8 1 2 3 3 Eval 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
City of	C&I Residential	5 6 7 1 2 3 Eval 2 3 4 5 6 7 8 8 1 2 3 Eval 2 3 Eval 2 3 3 Eval 2 3 5 6 6	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services	2009 2009 2009 2009 2009 2009 2009 2009	WECC WECC
City of	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 2 3 Eval 2 3 Eval 2 3 3 Eval 2 3 3 Eval 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs <td>2009 2009 2009 2009 2009 2009 2009 2009</td> <td>WECC WECC WECC</td>	2009 2009 2009 2009 2009 2009 2009 2009	WECC
City of	C&I Residential C & I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 8 1 2 3 Eval 2 3 5 6 7 7 8 8 1 2 3 5 6 7 7 1	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services	2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	WECC WECC WECC WECC WECC DNV-GL WECC WECC WECC WECC WECC WECC WECC WEC
South Haven Dept. of Public Works	C&I Residential	5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 2 3 Eval 2 3 Eval 2 3 3 Eval 2 3 3 Eval 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Farm Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs <td>2009 2009 2009 2009 2009 2009 2009 2009</td> <td>WECC WECC WECC</td>	2009 2009 2009 2009 2009 2009 2009 2009	WECC

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Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	Internally
	Residential	4	Residential Education Services	2009	Internally
	Residential	5	Residential Appliances & HVAC	2010	Internally
Bay City		6	Residential Home Energy Programs	2010	Internally
Electric Light		7	Electric Water Heater Saving Kits	2010	Internally
& Power		8	Residential Pilot Programs	2010	Internally
		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy Franklin Energy
	C & I	4	Small Business Direct Install Education Services	2011 2009	Internally
		5	Pilot Programs	2009	Internally
		Eval	Evaluation & Verification	2010	DNV-GL
		Lvai		2009	DIV-GL
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
City of		5	Residential Appliances & HVAC	2010	Franklin Energy
Charlevoix		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
		T .	1=		
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling Residential Education Services	2009	Franklin Energy
		4		2009	Franklin Energy (2015)
Chelsea		6	Residential Appliances & HVAC Residential Pilot Programs	2010	Franklin Energy Franklin Energy (2015)
Electric		1	Prescriptive Incentive	2010	Franklin Energy
Department		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2003	Franklin Energy
	C & I	4	Education Services	2009	Franklin Energy (2015)
		5	Pilot Programs	2010	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
		1			
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
	Residential	3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Efficient Appliances & HVAC	2009	Franklin Energy
Croswell Light		5	Residential Pilot Programs	2009	Internally
& Power		6	Educational Services	2009	Internally
		1	Prescriptive Incentive	2009	Franklin Energy
	e	2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		4	Posidential Law Income	2000	Frenklin Energy (2015)
		1	Residential Low Income	2009	Franklin Energy (2015)
		3	Efficient Lighting Program Appliance Recycling	2009	Franklin Energy Franklin Energy
	Residential	4	Residential Education Services	2009	Franklin Energy Franklin Energy (2015)
	Residential	4 5	Residential Pilot Programs	2009	Franklin Energy (2015)
		6	Residential Appliances & HVAC	2010	Franklin Energy
City of Eaton		7	Residential Home Energy Program	2010	Franklin Energy (2015)
Rapids		1	Prescriptive Incentive	2012	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	_	3	Small Business Direct Install	2009	Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2003	Internally
		· · ·		2010	

			MPPA Collaborative (continu	ied)	
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
	Residential	5	Residential Home Energy Program	2012	Internally
Grand Haven		6	Residential Appliances & HVAC	2010	Franklin Energy
Board of Light		7	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy (2015)
& Power		8	Residential Pilot Programs	2010	Internally
a i owei		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	Car	4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
			Destination in the second	0040	
		1	Residential Low Income	2010	Franklin Energy (2015)
	Residential	2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling	2009	Franklin Energy
City of Line		4	Residential Education Services	2009	Franklin Energy (2015)
City of Hart		5	Residential Appliances & HVAC	2010	Franklin Energy
lydro Electric		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		1		1	Lakeshore Habitat for Humanity,
			Residential Low Income	2009	Community Action House, Salvation Arm
		1		2003	Ottawa County CAA
		2	Efficient Lighting Program	2009	Internally (2013)
		3	Appliance Recycling	2009	PADNOS (2015)
		4	Residential Multi-Family In-Unit Efficiency	2009	Internally
	Residential	5	Residential Appliances & HVAC	2009	Internally & Franklin Energy
		6	Home Energy	2009	Internally
Iolland Board		0	Home Energy	2012	Internally, National Energy Foundation,
of Public			Desidential Education Continue	0000	
Works		7	Residential Education Services	2009	West Michigan Environmental Action
		7		0000	Council
-		8	Residential Pilot Programs	2009	Internally, Ottawa County CAA
		1	Prescriptive Incentive	2009	Internally (2015)
		2	Custom Incentive	2009	Internally (2015)
	C & I	3	Small Business Direct Install	2011	Internally (2015)
		4	Education Services	2009	Internally
		5	Pilot Programs	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2003	Franklin Energy
Lowell Light		6	Residential Pilot Programs	2010	Internally
and Power					
anu ruwei		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		5	Pilot Programs	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL

		1	MPPA Collaborative (continu			
Utility	Sector		Program Type	Year Imp.	Implementation Contractors	
		1	Residential Low Income	2010	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
	Residential	3	Appliance Recycling	2009	Franklin Energy	
		4	Residential Education Services	2009	Franklin Energy (2015)	
Niles Utilities		5	Residential Appliances & HVAC	2009	Franklin Energy	
Department		1	Prescriptive Incentive	2009	Franklin Energy	
		2	Custom Incentive	2009	Franklin Energy	
	C & I	3	Small Business Direct Install	2011	Franklin Energy	
		4	Education Services	2009	Franklin Energy (2015)	
		Eval	Evaluation & Verification	2009	DNV-GL	
		1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
	Residential	3	Appliance Recycling	2009	Franklin Energy	
	i tooluontiai	4	Residential Multi-Family In-Unit Efficiency	2009	Franklin Energy	
/illage of Paw		5	Residential Education Services	2009	Franklin Energy (2015)	
Paw		6	Residential Appliances & HVAC	2010	Franklin Energy	
		1	Prescriptive Incentive	2009	Franklin Energy	
	0.0.1	2	Custom Incentive	2009	Franklin Energy	
	C & I	3	Small Business Direct Install	2011	Franklin Energy	
		4	Education Services	2009	Franklin Energy (2015)	
		Eval	Evaluation & Verification	2009	DNV-GL	
		1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
		3	Appliance Recycling	2009	Franklin Energy	
	Residential	4	Residential Education Services	2009	Franklin Energy (2015)	
		5	Residential Appliances & HVAC	2010	Franklin Energy	
City of		6	Pilot Programs	2010	Franklin Energy (2015)	
Petoskey		1	Prescriptive Incentive	2009	Franklin Energy	
		2	Custom Incentive	2009	Franklin Energy	
	C & I	3	Small Business Direct Install	2011	Franklin Energy	
	Cal	4	Education Services	2009	Franklin Energy (2015)	
		5	Pilot Programs	2010	Franklin Energy (2015)	
		Eval	Evaluation & Verification	2009	DNV-GL	
		1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
	Residential	3	Appliance Recycling	2009	Franklin Energy	
	rtoordorntar	4	Residential Education Services	2009	Franklin Energy (2015)	
Portland Light		5	Residential Appliances & HVAC	2000	Franklin Energy	
and Power		1	Prescriptive Incentive	2009	Franklin Energy	
Board		2	Custom Incentive	2009	Franklin Energy	
	C & I	3	Small Business Direct Install	2011	Franklin Energy	
		4	Education Services	2009	Franklin Energy (2015)	
		Eval	Evaluation & Verification	2009	DNV-GL	
		1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
	Residential	3	Appliance Recycling	2009	Franklin Energy	
		4	Residential Education Services	2009	Franklin Energy (2015)	
City of Ot		5	Residential Appliances & HVAC	2010	Franklin Energy	
City of St.		6	Residential Pilot Programs	2010	Internally	
Louis		1	Prescriptive Incentive	2009	Franklin Energy	
		2	Custom Incentive	2009	Franklin Energy	
	C & I	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 (cont	inued)	
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Residential Home Energy Program	2012	Internally
		4	Residential Education Services	2009	Franklin Energy (2015)
		5	Residential Appliances & HVAC	2010	Franklin Energy
City of Sturgis		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	041	4	Pilot Programs	2010	Internally
		5	Education Services	2009	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
		1 4	Desidential Law Inc. (1)	0000	listers alles (2040)
		1	Residential Low Income	2009	Internally (2018)
		2	Efficient Lighting Program	2009	Internally (2018)
	Residential	3	Appliance Recycling	2009	Internally (2018)
		4	Residential Education Services	2009	Internally (2018)
Traverse City		5	Residential Appliances & HVAC	2009	Internally (2018)
Light and		6	Residential Pilot Programs	2009	Internally (2018)
Power		1	Prescriptive Incentive	2009	Internally (2018)
		2	Custom Incentive	2009	Internally (2018)
	C & I	3	Small Business Direct Install	2011	Internally (2018)
		4	Education Services	2009	Internally (2018)
		5 Eval	Pilot Programs Evaluation & Verification	2009	Internally (2018) DNV-GL
				2009	DIV-GE
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
Wyandotte		5	Residential Pilot Programs	2009	Internally
Municipal		6	Residential Appliances & HVAC	2010	Franklin Energy
Services		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Pilot Programs	2009	Internally
		4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling	2010	Franklin Energy
	. condonitial	4	Residential Education Services	2009	Internally
Zeeland Board		5	Residential Appliances & HVAC	2010	Franklin Energy
of Public		6	Residential Pilot Programs	2009	Internally
Works		1	Prescriptive Incentive	2009	Franklin Energy
	_	2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2010	DNV-GL

MWh Data			,,,,,,	
		1.00%	1.00%	
Electric Municipals	2018	2018	%	
	Target	Actual	Achieved	2019 Target
Bay City Electric Light & Power	2,191	2,680	122%	2,260
City of Charlevoix	454	496	109%	562
Chelsea Electric Department	649	936	144%	683
Village of Clinton	210	213	102%	213
Coldwater Board of Public Utilities	3,643	7,463	205%	2,430
Croswell Light & Power Department	319	229	72%	410
Daggett Electric Department	11	12	105%	11
City of Eaton Rapids	667	558	84%	1,035
Escanaba Electric Department	1,414	1,503	106%	1,411
Grand Haven Board of Light and Power	2,022	3,171	157%	2,053
City of Hart Hydro Electric	324	302	93%	525
Holland Board of Public Works	7,300	12,613	173%	7,420
Lansing Board of Water & Light	19,488	21,845	112%	21,823
Lowell Light and Power	541	735	136%	550
Marquette Board of Light and Power	3,025	3,300	109%	2,987
City of Marshall Electric Department	1,019	1,105	108%	975
Newberry Water & Light Board	172	190	110%	167
Niles Utilities Department	1,130	848	75%	1,285
Village of Paw Paw	275	303	110%	287
City of Petoskey	685	993	145%	688
Portland Light and Power Board	241	242	101%	246
Sebewaing Light & Water Dept.	269	283	105%	269
South Haven Dept. of Public Works	1,380	1,445	105%	1,387
City of St. Louis	245	239	98%	245
City of Stephenson	61	67	111%	59
City of Sturgis	1,569	1,437	92%	1,590
Traverse City Light & Power	2,342	2,426	104%	3,214
Union City	141	141	100%	150
City of Wakefield	87	NO	DATA AVAI	LABLE
Wyandotte Municipal Services	1,552	882	57%	1,541
Zeeland Board of Public Works	3,903	3,340	86%	3,944

Actual 2018 Expenditures

Actual 2016 Experiolitures						
Electric Municipals	Total 2018	Residential w/o Low Income	Residential With Low Income	Commercial & Industrial	Low Income	Admin & Eval
Bay City Electric Light & Power	\$532,965	\$196,238	\$252,223	\$237,542	\$55,985	\$43,200
City of Charlevoix	\$88,297	\$30,147	\$38,615	\$45,456	\$8,468	\$4,226
Chelsea Electric Department	\$115,982	\$31,490	\$33,230	\$77,374	\$1,740	\$5,378
Village of Clinton	\$16,476	\$7,348	\$7,632	\$5,844	\$284	\$3,000
Coldwater Board of Public Utilities	\$467,884	\$39,345	\$48,808	\$299,578	\$9,463	\$119,498
Croswell Light & Power Department	\$38,839	\$2,544	\$2,827	\$32,826	\$283	\$3,186
Daggett Electric Department	\$3,611	\$788	\$1,183	\$1,666	\$395	\$762
City of Eaton Rapids	\$105,270	\$39,729	\$46,283	\$54,745	\$6,554	\$4,242
Escanaba Electric Department	\$213,981	\$53,237	\$57,562	\$146,925	\$4,325	\$9,494
Grand Haven Board of Light & Power	\$400,151	\$139,767	\$140,281	\$243,395	\$514	\$16,475
City of Hart Hydro Electric	\$59,968	\$10,106	\$11,904	\$44,581	\$1,798	\$3,483
Holland Board of Public Works	\$1,051,787	\$267,062	\$323,084	\$605,691	\$56,022	\$123,012
Lansing Board of Water & Light	\$3,833,012	\$1,017,378	\$1,256,625	\$2,156,979	\$239,247	\$419,408
Lowell Light and Power	\$101,097	\$15,737	\$16,909	\$75,637	\$1,172	\$8,551
Marquette Board of Light and Power	\$464,290	\$181,916	\$190,274	\$254,978	\$8,358	\$19,038
City of Marshall Electric Department	\$68,559	\$15,681	\$18,662	\$34,604	\$2,981	\$15,293
Newberry Water & Light Board	\$36,149	\$9,587	\$10,886	\$22,138	\$1,299	\$3,125
Niles Utilities Department	\$148,650	\$53,622	\$64,758	\$76,868	\$11,136	\$7,024
Village of Paw Paw	\$49,052	\$18,161	\$20,365	\$25,032	\$2,204	\$3,655
City of Petoskey	\$120,401	\$38,989	\$44,963	\$69,325	\$5,974	\$6,113
Portland Light and Power Board	\$53,148	\$25,936	\$31,910	\$17,928	\$5,974	\$3,310
Sebewaing Light & Water Dept.	\$56,281	\$6,380	\$9,375	\$41,506	\$2,995	\$5,400
South Haven Dept. of Public Works	\$241,307	\$74,379	\$85,446	\$146,919	\$11,067	\$8,942
City of St. Louis	\$47,839	\$17,944	\$22,178	\$21,926	\$4,234	\$3,735
City of Stephenson	\$12,752	\$3,721	\$4,569	\$6,948	\$848	\$1,235
City of Sturgis	\$241,546	\$49,463	\$66,863	\$163,741	\$17,400	\$10,942
Traverse City Light & Power	\$264,869	\$30,605	\$31,681	\$154,561	\$1,076	\$78,627
Union City	\$15,020	\$5,787	\$5,950	\$5,645	\$163	\$3,425
City of Wakefield			NO DATA A	AILABLE		
Wyandotte Municipal Services	\$108,862	\$35,729	\$37,800	\$58,354	\$2,071	\$12,708
Zeeland Board of Public Works	\$437,086	\$75,687	\$84,329	\$341,631	\$8,642	\$11,126

Energy Waste Reduction Administration and Residential Surcharges for 2018							
Electric Municipals	Docket No.	Administration 2018	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	\$0.00000				
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	\$0.00132				
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	\$0.75 Per Meter				

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