

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for ) Case No. U-18282  
the CITY OF BAY CITY to fully comply )  
with Public Act 295 of 2008, as amended by )  
Public Act 342 of 2016. )  
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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for ) Case No. U-18283  
the CITY OF CHARLEVOIX to fully comply )  
with Public Act 295 of 2008, as amended by )  
Public Act 342 of 2016. )  
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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for the ) Case No. U-18284  
CHELSEA DEPARTMENT OF ELECTRIC AND )  
WATER to fully comply with Public Act 295 )  
of 2008, as amended by Public Act 342 of 2016. )  
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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for the ) Case No. U-18285  
VILLAGE OF CLINTON to fully comply with )  
Public Act 295 of 2008, as amended by )  
Public Act 342 of 2016. )  
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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for the ) Case No. U-18286  
COLDWATER BOARD OF PUBLIC UTILITIES )  
to fully comply with Public Act 295 of 2008, )  
as amended by Public Act 342 of 2016. )  
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In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
CROSWELL MUNICIPAL LIGHT & POWER  
DEPARTMENT to fully comply with Public Act 295  
of 2008, as amended by Public Act 342 of 2016.

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Case No. U-18287

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the DAGGETT ELECTRIC DEPARTMENT  
to fully comply with Public Act 295 of 2008,  
as amended by Public Act 342 of 2016.

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Case No. U-18289

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
CITY OF EATON RAPIDS to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18292

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF ESCANABA to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18293

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
GRAND HAVEN BOARD OF LIGHT AND POWER  
to fully comply with Public Act 295 of 2008, as  
amended by Public Act 342 of 2016.

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Case No. U-18295

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF HART HYDRO to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18297

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
HOLLAND BOARD OF PUBLIC WORKS to  
fully comply with Public Act 295 of 2008,  
as amended by Public Act 342 of 2016.

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Case No. U-18299

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
LANSING BOARD OF WATER & LIGHT to  
fully comply with Public Act 295 of 2008, as  
amended by Public Act 342 of 2016.

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Case No. U-18301

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
LOWELL LIGHT AND POWER to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18302

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
MARQUETTE BOARD OF LIGHT AND POWER  
to fully comply with Public Act 295 of 2008, as  
amended by Public Act 342 of 2016.

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Case No. U-18303

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
CITY OF MARSHALL ELECTRIC DEPARTMENT  
to fully comply with Public Act 295 of 2008, as  
amended by Public Act 342 of 2016.

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Case No. U-18304

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
NEWBERRY WATER & LIGHT BOARD to  
fully comply with Public Act 295 of 2008, as  
amended by Public Act 342 of 2016.

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Case No. U-18306

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for the  
NILES UTILITY DEPARTMENT to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18307

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the VILLAGE OF PAW PAW to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18309

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF PETOSKEY to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18310

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF PORTLAND to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18311

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF SEBEWAING to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18312

In the matter, on the Commission’s own motion,  
regarding the regulatory reviews, revisions,  
determinations, and/or approvals necessary for  
the CITY OF SOUTH HAVEN to fully comply  
with Public Act 295 of 2008, as amended by  
Public Act 342 of 2016.

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Case No. U-18313



In the matter, on the Commission’s own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for )  
the WYANDOTTE DEPARTMENT OF )  
MUNICIPAL SERVICE to fully comply with )  
Public Act 295 of 2008, as amended by )  
Public Act 342 of 2016. )  
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Case No. U-18320

In the matter, on the Commission’s own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for the )  
ZEELAND BOARD OF PUBLIC WORKS to )  
fully comply with Public Act 295 of 2008, as )  
amended by Public Act 342 of 2016. )  
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Case No. U-18321

**JOINT SUBMITTAL OF ENERGY WASTE REDUCTION 2020 ANNUAL REPORT**

Pursuant to the Michigan Public Service Commission’s Order issued November 19, 2020,  
the utilities listed in the above caption hereby submit the attached Energy Waste Reduction 2020  
Annual Report.

Respectfully submitted,

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Dated: May 28, 2021

# Energy Waste Reduction 2020 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 2020.

## 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 2020 and the targets for 2021 are shown in Attachment B for the municipal utilities. The expenditures for 2020 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 2020**

### **Residential Low Income Services**

All the municipal electric utilities continued to offer low income programs to their customers in 2020.

### **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
	C & I	7	Residential Pilot Programs	2009	Internally
		1	Prescriptive Incentive	2009	Internally
		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)
	C & I	8	Pilot Programs	2016	slipstream (previously named WECC)
		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		

<b>MPPA Collaborative (continued)</b>					
<b>Utility</b>	<b>Sector</b>		<b>Program Type</b>	<b>Year Imp.</b>	<b>Implementation Contractors</b>
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		

<b>MPPA Collaborative (continued)</b>					
<b>Utility</b>	<b>Sector</b>		<b>Program Type</b>	<b>Year Imp.</b>	<b>Implementation Contractors</b>
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

<b>Electric Municipals</b>	1.00%			1.00%
	2020 Target	2020 Actual	% Achieved	2021 Target
Bay City Electric Light & Power	2,324	2,585	111%	2,401
City of Charlevoix	530	232	44%	612
Chelsea Electric Department	986	250	25%	986
Village of Clinton	216	165	76%	216
Coldwater Board of Public Utilities	3,644	1,387	38%	3,644
Croswell Light & Power Department	420	240	57%	420
Daggett Electric Department	16	16	100%	16
City of Eaton Rapids	1,063	528	50%	1,063
Escanaba Electric Department	1,451	1,537	106%	1,434
Grand Haven Board of Light and Power	2,087	2,748	132%	2,087
City of Hart Hydro Electric	514	180	35%	514
Holland Board of Public Works	7,491	9,561	128%	7,491
Lansing Board of Water & Light	19,904	23,405	118%	16,098
Lowell Light and Power	581	795	137%	581
Marquette Board of Light and Power	3,170	3,294	104%	3,134
City of Marshall Electric Department	1,365	2,671	196%	718
Newberry Water & Light Board	187	201	107%	185
Niles Utilities Department	1,313	725	55%	1,313
Village of Paw Paw	291	546	188%	291
City of Petoskey	692	294	42%	692
Portland Light and Power Board	252	355	141%	252
Sebewaing Light & Water Dept.	268	271	101%	268
South Haven Dept. of Public Works	1,439	1,552	108%	1,422
City of St. Louis	248	265	107%	322
City of Stephenson	67	71	106%	66
City of Sturgis	1,922	1,981	103%	1,922
Traverse City Light & Power	2,455	3,174	129%	2,455
Union City	148	168	114%	139
City of Wakefield	NO DATA AVAILABLE			
Wyandotte Municipal Services	1,529	262	17%	1,529
Zeeland Board of Public Works	4,040	985	24%	4,040

**ATTACHMENT C**

Actual 2020 Expenditures

<b>Electric Municipals</b>	Total 2020	Residential w/o Low Income	Residential With Low Income	Commercial & Industrial	Low Income	Admin & Eval
Bay City Electric Light & Power	\$497,104	\$166,627	\$207,829	\$257,815	\$41,202	\$31,460
City of Charlevoix	\$73,039	\$23,390	\$29,306	\$39,421	\$5,916	\$4,312
Chelsea Electric Department	\$81,663	\$28,963	\$34,879	\$41,316	\$5,916	\$5,468
Village of Clinton	\$8,085	\$2,369	\$2,615	\$3,170	\$246	\$2,300
Coldwater Board of Public Utilities	\$191,600	\$24,679	\$34,984	\$60,780	\$10,305	\$95,836
Croswell Light & Power Department	\$35,460	\$900	\$950	\$31,247	\$50	\$3,263
Daggett Electric Department	\$3,140	\$1,889	\$1,985	\$688	\$96	\$467
City of Eaton Rapids	\$113,417	\$40,142	\$44,318	\$64,710	\$4,176	\$4,389
Escanaba Electric Department	\$212,180	\$65,146	\$70,762	\$132,785	\$5,616	\$8,633
Grand Haven Board of Light and Power	\$413,266	\$140,000	\$150,339	\$237,592	\$10,339	\$25,335
City of Hart Hydro Electric	\$37,891	\$9,896	\$11,636	\$22,667	\$1,740	\$3,588
Holland Board of Public Works	\$814,682	\$218,610	\$249,275	\$498,738	\$30,665	\$66,669
Lansing Board of Water & Light	\$4,332,448	\$1,021,996	\$1,289,145	\$2,535,744	\$267,149	\$507,559
Lowell Light and Power	\$95,323	\$14,043	\$14,310	\$71,185	\$267	\$9,828
Marquette Board of Light and Power	\$415,021	\$121,450	\$130,075	\$266,129	\$8,625	\$18,817
City of Marshall Electric Department	\$109,182	\$9,850	\$11,453	\$82,436	\$1,603	\$15,293
Newberry Water & Light Board	\$29,047	\$10,913	\$11,618	\$14,723	\$705	\$2,706
Niles Utilities Department	\$163,124	\$72,849	\$80,099	\$75,925	\$7,250	\$7,100
Village of Paw Paw	\$52,816	\$11,028	\$13,058	\$36,023	\$2,030	\$3,735
City of Petoskey	\$89,880	\$44,464	\$49,684	\$33,986	\$5,220	\$6,210
Portland Light and Power Board	\$49,546	\$17,434	\$22,944	\$23,203	\$5,510	\$3,399
Sebewaing Light & Water Dept.	\$49,429	\$8,050	\$10,927	\$33,103	\$2,876	\$5,400
South Haven Dept. of Public Works	\$228,025	\$105,564	\$111,329	\$107,136	\$5,765	\$9,560
City of St. Louis	\$47,524	\$17,972	\$22,032	\$21,672	\$4,060	\$3,820
City of Stephenson	\$11,822	\$3,603	\$4,035	\$6,357	\$432	\$1,430
City of Sturgis	\$309,619	\$71,905	\$87,739	\$210,798	\$15,834	\$11,082
Traverse City Light & Power	\$255,802	\$40,958	\$48,783	\$199,878	\$7,825	\$7,141
Union City	\$14,163	\$5,252	\$5,365	\$5,373	\$113	\$3,425
City of Wakefield	NO DATA AVAILABLE					
Wyandotte Municipal Services	\$78,108	\$20,000	\$25,728	\$39,510	\$5,728	\$12,870
Zeeland Board of Public Works	\$273,192	\$50,943	\$54,307	\$207,467	\$3,364	\$11,418



**ATTACHMENT D**

<b>Energy Waste Reduction Administration and Residential Surcharges for 2020</b>			
<b>Electric Municipals</b>	<b>Docket No.</b>	<b>Administration 2020</b>	<b>EWR Residential Surcharge per \$/kWh or Per Meter</b>
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	\$0.00410
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