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

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.)) 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.)) 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.)) 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.)) 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.)) 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.))) 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.)) 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.)) 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.)) 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.)) 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.)) 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.))) 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.	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.	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.)	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.	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.)	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 	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 CITY OF ST. LOUIS to fully comply with Public Act 295 of 2008, as amended by Public Act 342 of 2016.)) Case No. U-18314)))
In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for) Case No. U-18315
the CITY OF STEPHENSON to fully comply)
with Public Act 295 of 2008, as amended by)
Public Act 342 of 2016.)
In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for) Case No. U-18316
the CITY OF STURGIS to fully comply with)
Public Act 295 of 2008, as amended by)
Public Act 342 of 2016.)
In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for) Case No. U-18317
TRAVERSE CITY LIGHT & POWER to fully)
comply with Public Act 295 of 2008, as amended)
by Public Act 342 of 2016.)
In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for the) Case No. U-18318
UNION CITY ELECTRIC DEPARTMENT to)
fully comply with Public Act 295 of 2008, as)
amended by Public Act 342 of 2016.)
In the matter, on the Commission's own motion,)
regarding the regulatory reviews, revisions,)
determinations, and/or approvals necessary for) Case No. U-18319
the CITY OF WAKEFIELD to fully comply with)
Public Act 295 of 2008, as amended by)
Public Act 342 of 2016.)

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.

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. Case No. U-18320

Case No. U-18321

JOINT SUBMITTAL OF ENERGY WASTE REDUCTION 2019 ANNUAL REPORT

Pursuant to the Michigan Public Service Commission's Order issued January 23, 2020,

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the utilities listed in the above caption hereby submit the attached Energy Waste Reduction 2019

Annual Report.

Respectfully submitted,

DICKINSON WRIGHT PLLC Attorneys for Michigan Municipal Electric Association

By:

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MICHIGAN MUNICIPAL ELECTRIC ASSOCIATION

By:

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Dated: May 29, 2020

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

ENERGY WASTE REDUCTION PROGRAMS AND CONTRACTORS							
INDEPENDENTLY ADMINISTERING							
Utility	Sector		Program Type	Year Imp.	Implementation Contractors		
		1	Residential Low Income	2009	Internally		
	Residential	2	Efficient Lighting Program	2009	Internally		
Village of	Rooldonida	3	Residential Education Services	2009	Internally		
Clinton		4	Residential Appliances & HVAC	2009	Internally		
	C & I	1	Business Services Education Services	2009	Internally		
	Cal	∠ Eval	Evaluation & Verification	2009	Internally Local Police Officer		
				2003			
		1	Residential Low Income	2009	Internally		
		2	Efficient Lighting Program	2009	Internally		
	Residential	3	Appliance Recycling	2009	In transition		
	Residential	4	Residential Education Services	2009	Internally		
Coldwater		5	Residential Appliances & HVAC	2009	Internally		
Board of		7	Residential Pilot Programs	2009	Internally		
Public Utilities		1	Prescriptive Incentive	2009	Internally		
	C & I	2	Custom Incentive	2009	Internally		
	CAI	3	Education Services Pilot Programs	2009	Internally Internally		
		Eval	Evaluation & Verification	2009	E3M Solutions		
		Lvai		2010			
		1	Residential Low Income	2009	MEO & Internally		
		2	Efficient Lighting Program	2009	MEO/Franklin (2018)		
		3	Appliance Recycling	2009	MEO (2011)		
	Residential	4	Residential Appliances & HVAC	2010	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/Internally		
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	Pilot Programs	2010	Internally		
		Eval	Evaluation & Verification	2009	DNV-GL		
		1	Residential Low Income	2009	Internally		
	Residential	2	Residential Services	2009	Internally		
	rtoordornidi	3	Residential Education Services	2009	Internally		
City of		1	Prescriptive Incentive	2009	Internally		
Marshall	0.0.1	2	Custom Incentive	2009	Internally		
	C & I	3	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2010	Internally		
					-		
		1	Residential Low Income	2009	Internally		
		2	Residential Services	2009	Internally		
	Residential	3	Residential Education Services	2009	Internally		
		4	Residential Pilot	2010	Internally		
Sebewaing		5	Residential Appliances & HVAC	2010	Internally		
J		1	Prescriptive Incentive	2009	Internally		
	C & I	2	Custom Incentive	2009	Internally		
	υαι	3	Education Services Pilot Programs	2009 2010	Internally Internally		
		Eval	Evaluation & Verification	2010	DNV-GL		
		1	Residential Low Income	2009	Internally		
Union City	Residential	2	Efficient Lighting Program	2009	Internally		
Electric		3	Residential Education Services	2009	Internally		
Department		1	Prescriptive Incentive Program	2009	Internally		
opartment	C&I	2	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2009	Local Police Officer		
		4	Desidential Law Incorre-	2000	Internelly		
	Depidential	1	Residential Low Income	2009	Internally		
0.1	Residential	2	Residential Services	2009	Internally		
City of		3	Residential Education Services	2009	Internally		
Wakefield	0.01	1	Business Services	2009	Internally		
	C&I	2	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2009	Internally		

		1	MECA COLLABORATIVE	T	1
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Income Qualified	2016	slipstream (previously named WECC)
		2	High Efficiency Products	2016	slipstream (previously named WECC)
	Residential	3	Education Services	2016	slipstream (previously named WECC)
Daggett		4	Pilot Programs	2016	slipstream (previously named WECC)
Electric		1	General Business Services	2016	slipstream (previously named WECC)
Department	C & I	2	Education Services	2016	slipstream (previously named WECC)
	our	3	Pilot Programs	2016	slipstream (previously named WECC)
		Eval	Evaluation & Verification	2016	DNV-GL
		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)
	Residential	4	Efficient HVAC	2009	slipstream (previously named WECC)
Escanaba	Residential	5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
Electric		6	Education Services	2009	slipstream (previously named WECC)
Department		7	Pilot Programs	2009	slipstream (previously named WECC)
		1 2	General Business Services Education Services	2009 2009	slipstream (previously named WECC) slipstream (previously named WECC)
	C & I	3	Pilot Programs	2009	slipstream (previously named WECC)
		Eval	Evaluation & Verification	2009	DNV-GL
				2003	
		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)
	Residential	4	Efficient HVAC	2009	slipstream (previously named WECC)
Marquette		5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
Board of Light		6	Education Services	2009	slipstream (previously named WECC)
& Power		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
I		1	Residential Low Income	2000	clipstroom (proviously served WECC)
		2	High Efficiency Products	2009 2009	slipstream (previously named WECC) slipstream (previously named WECC)
		3	Appliance Recycling	2009	slipstream (previously named WECC)
	Residential	4	Efficient HVAC	2009	slipstream (previously named WECC)
	Residential	5	Audit & Weatherization / New Construction	2009	slipstream (previously named WECC)
Newberry					slipstream (previously named WECC)
Newberry Water & Light					
Water & Light		6	Education Services Pilot Programs	2009	
Newberry Water & Light Board		6 7	Pilot Programs	2009	slipstream (previously named WECC)
Water & Light		6 7 1	Pilot Programs General Business Services	2009 2009	slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light	C&I	6 7 1 2	Pilot Programs General Business Services Education Services	2009 2009 2009	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Vater & Light	C&I	6 7 1	Pilot Programs General Business Services	2009 2009	slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light	C&I	6 7 1 2 3	Pilot Programs General Business Services Education Services Pilot Programs	2009 2009 2009 2009	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light	C&I	6 7 1 2 3	Pilot Programs General Business Services Education Services Pilot Programs	2009 2009 2009 2009	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light	C&I	6 7 1 2 3 Eval	Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification	2009 2009 2009 2009 2009	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL
Vater & Light	C&I	6 7 1 2 3 Eval	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	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC)
Vater & Light		6 7 1 2 3 Eval 2 3 4	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 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board	C&I Residential	6 7 1 2 3 Eval 2 3 4 5	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	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Vater & Light Board		6 7 1 2 3 Eval 2 3 4 5 6	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 Farm Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board		6 7 1 2 3 Eval 2 3 4 5 6 7	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 Farm Services Education Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Vater & Light Board		6 7 1 2 3 Eval 2 3 4 5 6 7 8	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 Farm Services Education Services Pilot Programs	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board		6 7 1 2 3 Eval 2 3 4 5 6 7 8 1	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 Farm Services Education Services Pilot Programs General Business Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board	Residential	6 7 1 2 3 Eval 2 3 4 5 6 7 8 8 1 2	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 Farm Services Education Services Pilot Programs General Business Services Education Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board		6 7 1 2 3 Eval 2 3 4 5 6 7 8 8 1 2 3	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 Farm Services Pilot Programs General Business Services Education Services Pilot Programs General Business Services Education Services Pilot Programs	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
South Haven	Residential	6 7 1 2 3 Eval 2 3 4 5 6 7 8 8 1 2	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 Farm Services Education Services Pilot Programs General Business Services Education Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
South Haven	Residential	6 7 1 2 3 Eval 1 2 3 4 5 6 7 7 8 1 2 3 Eval	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 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	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board South Haven Dept. of Public	Residential	6 7 1 2 3 Eval 2 3 4 5 6 7 7 8 1 2 3 Eval 2 3 5 6 7 7 8 1 1 2 3 5 6 7 7 1 1 2 3 3 4 5 5 6 7 7 1 1 2 3 1 2 1 2 3 1 2 1 3 1 2 1 3 1 2 1 3 1 2 1 3 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 3 1 1 2 1 1 1 1	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 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 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) plostream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board	Residential	6 7 1 2 3 Eval 2 3 4 5 6 7 8 1 2 3 Eval 2 3 Eval	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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board South Haven Dept. of Public	Residential C & I	6 7 1 2 3 Eval 2 3 4 5 6 7 8 4 5 6 7 8 1 2 3 Eval 2 3 Eval	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 Farm Services 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 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Nater & Light Board South Haven Dept. of Public	Residential	6 7 1 2 3 Eval 2 3 4 5 5 6 7 8 8 1 2 3 Eval 2 3 5 5 4 4	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 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 Efficient HVAC	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light Board	Residential C & I	6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 2 3 Eval 2 3 Eval	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 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 Efficient HVAC Audit & Weatherization / New Construction	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Vater & Light Board South Haven Dept. of Public Works	Residential C & I	6 7 1 2 3 Eval 4 5 6 7 8 8 1 2 3 Eval 2 3 Eval 2 3 5 6	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 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 Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light Board South Haven Dept. of Public Works	Residential C & I	6 7 1 2 3 Eval 5 6 7 8 1 2 3 4 5 6 7 8 8 1 2 3 8 2 3 5 5 6 7 7	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 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 Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Piloticent HVAC Audit & Weatherization / New Construction Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Water & Light Board South Haven Dept. of Public Works	Residential C & I Residential	6 7 1 2 3 Eval 2 3 4 5 6 7 8 1 2 3 Eval 2 3 Eval 2 3 4 5 6 7 7 1	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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Education & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Addit & Weatherization / New Construction Construction & Verification Verificiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services	2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)
Vater & Light Board South Haven Dept. of Public Works	Residential C & I	6 7 1 2 3 Eval 5 6 7 8 1 2 3 4 5 6 7 8 8 1 2 3 8 2 3 5 5 6 7 7	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 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 Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Piloticent HVAC Audit & Weatherization / New Construction Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016	slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC)

			MPPA Collaborative		-
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
	Reelaonia	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
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Posidontial Low Income	2000	Franklin Energy (2015)
		2	Residential Low Income Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling	2009	Franklin Energy
	residential	4	Residential Education Services	2009	Franklin Energy (2015)
City of		5	Residential Appliances & HVAC	2009	Franklin Energy
Charlevoix		1	Prescriptive Incentive	2010	Franklin Energy
Ghanevola		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2009	Franklin Energy
	Cal	4	Education Services	2009	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
		Lvai	Evaluation & venileation	2003	BIN-GE
		1	Residential Low Income	2009	Franklin Energy (2015)
	Residential	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
Chelsea		7	Residential Pilot Programs	2010	Franklin Energy (2015)
Electric	C & I	1	Prescriptive Incentive	2009	Franklin Energy
Department		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
		1			
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
		3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Efficient Appliances & HVAC	2009	Franklin Energy
		5	Residential Pilot Programs	2009	Internally
Croswell Light		6	Educational Services	2009	Internally
& Power		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	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 Pilot Programs	2010	Franklin Energy (2015)
City of Eaton		6	Residential Appliances & HVAC	2010	Franklin Energy
City of Eaton		7	Residential Home Energy Program	2012	Franklin Energy (2015)
Rapids		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
	C & I		Education Services	2009	Internally
		4	Education Services	2003	Internally
		4 5	Pilot Programs	2003	Internally

		_	MPPA Collaborative (continu	ued)	1
Utility	Sector		Program Type	Year	Implementation Contractors
Othicy	Sector		Program Type	Imp.	implementation contractors
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
	B	4	Residential Education Services	2009	Internally
	Residential	5	Residential Home Energy Program	2012	Internally
		6	Residential Appliances & HVAC	2010	Franklin Energy
Grand Haven		7	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy (2015)
Board of Light		8	Residential Pilot Programs	2010	Internally
& Power		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		Lvai		2003	
		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)
City of Hart		5	Residential Appliances & HVAC	2009	Franklin Energy
lydro Electric		1	Prescriptive Incentive	2010	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2009	Franklin Energy
		4	Education Services		Internally
				2009	
		Eval	Evaluation & Verification	2009	DNV-GL
					Lakeshore Habitat for Humanity, Commun
			Desidential Law Income	0000	
			Residential Low Income	2009	Action House, Salvation Army, Ottawa
		1		0000	County CAA
		2	Efficient Lighting Program	2009	Internally (2013)
	Residential	3	Appliance Recycling	2009	PADNOS (2015)
		4	Residential Multi-Family In-Unit Efficiency	2009	Internally
		5	Residential Appliances & HVAC	2009	Internally & Franklin Energy
			Home Energy	2012	Internally
- Holland Board		6			
Holland Board		6			
of Public		6	Residential Education Services	2009	
		6			Michigan Environmental Action Council
of Public			Residential Pilot Programs		
of Public		7		2009	5
of Public		7 8	Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009	Michigan Environmental Action Council Internally, Ottawa County CAA
of Public		7 8 1	Residential Pilot Programs Prescriptive Incentive	2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015)
of Public	C & I	7 8 1 2	Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015)
of Public	C & I	7 8 1 2 3	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2009 2009 2011 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally (2015)
of Public	C & I	7 8 1 2 3 4	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs	2009 2009 2009 2009 2011 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015)
of Public	C & I	7 8 1 2 3 4 5	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2009 2009 2011 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally
of Public	C & I	7 8 1 2 3 4 5	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs	2009 2009 2009 2009 2011 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL
of Public	C & I	7 8 1 2 3 4 5 Eval	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income	2009 2009 2009 2009 2011 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally
of Public		7 8 1 2 3 4 5 Eval	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program	2009 2009 2009 2009 2011 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Internally Internally
of Public	C & I Residential	7 8 1 2 3 4 5 Eval	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally Internally Internally Internally Franklin Energy
of Public		7 8 1 2 3 4 5 Eval	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Internally Franklin Energy Internally
of Public Works		7 8 1 2 3 4 5 Eval 1 2 3 4 5	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy
of Public Works		7 8 1 2 3 4 5 Eval 1 2 3 4 5 5 6	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally
of Public Works		7 8 1 2 3 4 5 Eval 1 2 3 4 5 6 1	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy
of Public Works		7 8 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy
of Public Works		7 8 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2 3 3	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy
of Public Works	Residential	7 8 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2	Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2011 2009 2009 2009 2009	Michigan Environmental Action Council Internally, Ottawa County CAA Internally (2015) Internally (2015) Internally (2015) Internally Internally DNV-GL Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy

		1	MPPA Collaborative (continu	ued)	
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
	0.01	2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4 5.00	Education Services Evaluation & Verification	2009	Franklin Energy (2015) DNV-GL
		Eval	Evaluation & venification	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
	1 Condonitial	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
	0.01	2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Franklin Energy (2015) DNV-GL
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	B	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
	our	4	Education Services	2009	Franklin Energy (2015)
		5	Pilot Programs Evaluation & Verification	2010	Franklin Energy (2015)
		Eval	Evaluation & Vernication	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
Portland Light		4	Residential Education Services	2009	Franklin Energy (2015)
Portland Light and Power		5	Residential Appliances & HVAC	2010	Franklin Energy
Board		1	Prescriptive Incentive	2009	Franklin Energy
Douid		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 St.		6	Residential Pilot Programs	2010	Internally
Louis		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
	C & I	4	Education Services	2009	Franklin Energy (2015)
		5	Pilot Programs	2010	Internally
			Evaluation & Verification	2009	DNV-GL

		1	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
	Car	4	Pilot Programs	2010	Internally
		5	Education Services	2009	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
		1	Residential Low Income	2009	Internally (2018)
		2	Efficient Lighting Program	2009	Internally (2018)
	Residential	3	Appliance Recycling	2009	Internally (2018)
	Residential	4	Residential Education Services	2009	Internally (2018)
T		5	Residential Appliances & HVAC	2009	Internally (2018)
Traverse City		6	Residential Pilot Programs	2009	Internally (2018)
Light and		1	Prescriptive Incentive	2009	Internally (2018)
Power		2	Custom Incentive	2009	Internally (2018)
		3	Small Business Direct Install	2011	Internally (2018)
	C & I	4	Education Services	2009	Internally (2018)
		5	Pilot Programs	2009	Internally (2018)
		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
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 = 1 \$1.			
		1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2010	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
eeland 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	2003	Franklin Energy
		4	Education Services	2009	Internally
				2003	

		1.00%		1.00%
Electric Municipals	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

MWh Data

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

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					