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

| In the matter, on the Commission's own motion, |) | |
|--|---|------------------|
| regarding the regulatory reviews, revisions, |) | |
| determinations, and/or approvals necessary for |) | Case No. U-18320 |
| the WYANDOTTE DEPARTMENT OF |) | |
| MUNICIPAL SERVICE 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-18321 |
| ZEELAND BOARD OF PUBLIC WORKS to |) | |
| fully comply with Public Act 295 of 2008, as |) | |
| amended by Public Act 342 of 2016. |) | |
| - |) | |

JOINT SUBMITTAL OF ENERGY WASTE REDUCTION 2021 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 2021 Annual Report.

Respectfully submitted,

DICKINSON WRIGHT PLLC Attorneys for Michigan Municipal Electric Association

By:

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MICHIGAN MUNICIPAL ELECTRIC ASSOCIATION

Katie Abraham **Executive Director** 809 Centennial Way Lansing, MI 48917 (517) 853-6680

Dated: May 31, 2022

Energy Waste Reduction 2021 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 2021.

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 2021 are shown in Attachment B for the municipal utilities. The expenditures for 2021 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 2021

Residential Low-Income Services

All the municipal electric utilities continued to offer low-income programs to their customers in 2021.

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

| | | | | ND CON | TRACTORS |
|---|-----------------|---|---|--|--|
| | | | INDEPENDENTLY ADMINISTE | RING | |
| Utility | Sector | | Program Type | Year Imp. | Implementation Contractors |
| | | 1 | Residential Low Income | 2009 | Internally |
| | Residential | 2 | Efficient Lighting Program | 2009 | Internally |
| Village of | | 3 | Residential Education Services Residential Appliances & HVAC | 2009 | Internally Internally |
| Clinton | | 1 | Business Services | 2009 | Internally |
| | C & I | 2 | Education Services | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2009 | Local Police Officer |
| | | 1 | Residential Low Income | 2009 | Internally |
| | | 2 | Efficient Lighting Program | 2009 | Internally |
| | Residential | 3 | Appliance Recycling | 2009 | In transition |
| Coldwater | | 5 | Residential Education Services Residential Appliances & HVAC | 2009 | Internally Internally |
| Board of | | 7 | Residential Pilot Programs | 2009 | Internally |
| Public Utilities | | 1 | Prescriptive Incentive | 2009 | Internally |
| | | 2 | Custom Incentive | 2009 | Internally |
| | C & I | 3 | Education Services | 2009 | Internally |
| | | 4 | Pilot Programs | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2010 | E3M Solutions |
| | | 1 | Residential Low Income | 2009 | MEO |
| | Residential | 2 | Efficient Lighting Program | 2009 | MEO/Slipstream (2020) |
| | | 3 | Appliance Recycling | 2009 | MEO (2011) |
| | | 4 | Residential Appliances & HVAC | 2010 | MEO/Slipstream (2020) |
| | | 5 | Residential Multi-Family In-Unit Efficiency | 2010 | MEO (2020) |
| ansing Board of Water & | | <u>6</u> 7 | Residential Education Services | 2009 | National Energy Foundation/Apogee/Internally |
| Light | | 1 | Residential Pilot Programs Prescriptive Incentive | 2011 | Internally Franklin Energy |
| Ligiti | C & I | 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 |
| City of | | 3 | Residential Education Services | 2009 | Internally |
| Marshall | | 1 | Prescriptive Incentive | 2009 | Internally |
| | C & I | 3 | Custom Incentive Education Services | 2009 | Internally Internally |
| | | Eval | Evaluation & Verification | 2010 | Internally |
| | | T 4 | Decidential Lawrence | 2000 | Lot a see all. |
| | | 2 | Residential Low Income | 2009 | Internally |
| | Residential | 3 | Residential Services Residential Education Services | 2009 | Internally Internally |
| | Residential | | | 2000 | Internally |
| | | | Residential Pilot | 2010 | |
| Oak awaisan | | 4 5 | | 2010 2010 | Internally |
| Sebewaing - | | 4 | Residential Pilot | | · · · · · · · · · · · · · · · · · · · |
| Sebewaing - | | 4 5 1 2 | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive | 2010 2009 2009 | Internally Internally Internally |
| Sebewaing - | C & I | 4 5 1 2 3 | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services | 2010 2009 2009 2009 | Internally Internally Internally Internally Internally |
| Sebewaing - | C & I | 4 5 1 2 3 4 | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs | 2010 2009 2009 2009 2010 | Internally Internally Internally Internally Internally Internally |
| Sebewaing - | C & I | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification | 2010 2009 2009 2009 2010 2009 | Internally Internally Internally Internally Internally Internally Internally DNV-GL |
| Sebewaing - | | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income | 2010 2009 2009 2009 2010 2009 | Internally Internally Internally Internally Internally Internally DNV-GL Internally |
| Union City | C & I | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program | 2010 2009 2009 2009 2010 2009 2009 2009 | Internally Internally Internally Internally Internally Internally DNV-GL Internally Internally Internally |
| Union City Electric | | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services | 2010 2009 2009 2009 2010 2010 2009 2009 | Internally Internally Internally Internally Internally Internally DNV-GL Internally Internally Internally Internally Internally Internally Internally |
| Union City Electric | | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program | 2010 2009 2009 2009 2010 2009 2009 2009 | Internally Internally Internally Internally Internally Internally DNV-GL Internally Internally Internally |
| Union City | Residential | 4 5 1 2 3 4 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services | 2010 2009 2009 2009 2010 2010 2009 2009 | Internally |
| Union City Electric | Residential | 4 5 1 2 3 4 Eval 1 2 5 5 1 2 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification | 2010 2009 2009 2009 2010 2010 2009 2009 | Internally |
| Union City Electric | Residential C&I | 4 5 1 2 3 4 Eval 1 2 5 5 1 1 2 2 5 5 1 1 2 1 1 2 1 1 1 1 | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification | 2010 2009 2009 2009 2010 2010 2009 2009 | Internally |
| Union City Electric Department | Residential | 4 5 1 2 3 4 Eval 1 2 Eval 1 2 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Low Income Residential Education Services Evaluation Services Evaluation Services Evaluation Services | 2010 2009 2009 2010 2010 2009 2009 2009 | Internally |
| Union City Electric Department City of | Residential C&I | 4 5 1 2 3 4 Eval 1 2 Eval 1 2 2 3 3 3 4 3 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lightling Program Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Low Income Residential Low Income Residential Services Residential Services | 2010 2009 2009 2010 2010 2009 2009 2009 | Internally |
| Union City Electric Department | Residential C&I | 4 5 1 2 3 4 Eval 1 2 Eval 1 2 Eval | Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Residential Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Low Income Residential Education Services Evaluation Services Evaluation Services Evaluation Services | 2010 2009 2009 2010 2010 2009 2009 2009 | Internally |

| MECA COLLABORATIVE | | | | | |
|---|-------------------------|---|--|--|---|
| 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) |
| | | 3 Eval | Pilot Programs Evaluation & Verification | 2016 2016 | slipstream (previously named WECC) DNV-GL |
| | | <u>'</u> | | <u>'</u> | |
| | | 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 | | 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 | General Business Services | 2009 | slipstream (previously named WECC) |
| | C & I | 2 | Education Services | 2009 | slipstream (previously named WECC) |
| | | 3 Eval | Pilot Programs Evaluation & Verification | 2009 | slipstream (previously named WECC) DNV-GL |
| | | Lvai | Evaluation & verification | | |
| | | 1 | Residential Low Income | 2009 | slipstream (previously named WECC) |
| | | 2 | High Efficiency Products | 2009 | slipstream (previously named WECC) |
| | Desire of t | 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) |
| oard 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) |
| | | 3 | Education Services Pilot Programs | 2009 | slipstream (previously named WECC) slipstream (previously named WECC) |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | | Evaluation a volinication | 2000 | DIW GE |
| | | 1 | Residential Low Income | 2009 | slipstream (previously named WECC) |
| | Residential | 2 | High Efficiency Products | 2009 | slipstream (previously named WECC) |
| | | 3 | Appliance Recycling | 2009 | slipstream (previously named WECC) |
| | | | Efficient HVAC | 2009 | slipstream (previously named WECC) |
| | Residential | 4 | | | |
| Newberry | Residential | 5 | Audit & Weatherization / New Construction | 2009 | slipstream (previously named WECC) |
| Vater & Light | Residential | 5 6 | Education Services | 2009 | slipstream (previously named WECC) |
| Newberry Vater & Light Board | Residential | 5 6 7 | Education Services Pilot Programs | 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | Residential | 5 6 7 1 | Education Services Pilot Programs General Business Services | 2009 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | | 5 6 7 1 2 | Education Services Pilot Programs General Business Services Education Services | 2009 2009 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | Residential C&I | 5 6 7 1 2 3 | Education Services Pilot Programs General Business Services Education Services Pilot Programs | 2009 2009 2009 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | | 5 6 7 1 2 | Education Services Pilot Programs General Business Services Education Services | 2009 2009 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | | 5 6 7 1 2 3 | Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income | 2009 2009 2009 2009 2009 | slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| Vater & Light | | 5 6 7 1 2 3 Eval | Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification | 2009 2009 2009 2009 2009 2009 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light | | 5 6 7 1 2 3 Eval | Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling | 2009 2009 2009 2009 2009 2009 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| /ater & Light | C&I | 5 6 7 1 2 3 Eval | 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 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| /ater & Light Board | | 5 6 7 1 2 3 Eval | 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 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light Board South Haven | C&I | 5 6 7 1 2 3 Eval | 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 Farm Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public | C&I | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light Board South Haven | C&I | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public | C&I | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs General Business Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light Board South Haven ept. of Public | C&I | 5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 1 2 | 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 Farm Services Education Services Pilot Programs General Business Services Education Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light Board South Haven ept. of Public | C&I Residential | 5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 1 2 3 3 | 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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven | C&I Residential | 5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 1 2 | 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 Farm Services Education Services Pilot Programs General Business Services Education Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| Vater & Light Board South Haven ept. of Public | C&I Residential | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL |
| South Haven ept. of Public | C&I Residential | 5 6 7 1 2 3 Eval | 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 Farm Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) slipstream (previously named WECC) |
| South Haven ept. of Public | C&I Residential C & I | 5 6 7 1 2 3 Eval | 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 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 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public | C&I Residential | 5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC | 2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven | C&I Residential C & I | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction | 2009 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public Works | C&I Residential C & I | 5 6 7 1 2 3 Eval | 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 Farm Services Education Services Pilot Programs General Business Services Education Services Pilot Programs Evaluation & Verification Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) |
| South Haven ept. of Public Works | C&I Residential C & I | 5 6 7 1 2 3 Eval 1 2 3 4 4 5 6 7 8 1 2 3 8 1 2 3 8 1 2 3 8 1 1 2 3 3 8 1 1 2 3 8 1 1 2 3 1 2 3 1 3 1 2 3 1 3 1 3 1 3 1 3 | 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 Farm 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) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public Works | C&I Residential C & I | 5 6 7 1 2 3 Eval 1 2 3 4 5 6 7 8 1 2 3 3 Eval 1 2 3 4 5 6 7 7 8 8 8 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 | 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 Farm 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 Residential Low Income High Efficiency Products Appliance Recycling Efficient HVAC Audit & Weatherization / New Construction Education Services Pilot Programs General Business Services | 2009 2009 2009 2009 2009 2009 2016 2016 2016 2016 2016 2016 2016 2016 | slipstream (previously named WECC) DNV-GL slipstream (previously named WECC) |
| South Haven ept. of Public Works | C&I Residential C & I | 5 6 7 1 2 3 Eval 1 2 3 4 4 5 6 7 8 1 2 3 8 1 2 3 8 1 2 3 8 1 2 3 8 1 2 3 8 1 2 3 8 1 8 1 2 3 8 1 2 3 8 1 8 1 8 1 2 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 | 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 Farm 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) DNV-GL 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 |
| | | 5 | Residential Appliances & HVAC | 2010 | Internally |
| Bay City | | 6 | Residential Home Energy Programs | 2010 | Internally |
| ectric Light & | | 7 | Electric Water Heater Saving Kits | 2010 | Internally |
| Power | | 8 | Residential Pilot Programs | 2010 | Internally |
| | | 2 | Prescriptive Incentive Custom Incentive | 2009 | Franklin Energy Franklin Energy |
| | | 3 | Small Business Direct Install | 2009 | Franklin Energy |
| | C & I | 4 | Education Services | 2009 | Internally |
| | | 5 | Pilot Programs | 2010 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | Lvai | Evaluation & verification | 2009 | DIVV-GL |
| T | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | | 2 | Efficient Lighting Program | 2009 | Franklin Energy |
| | Residential | 3 | Appliance Recycling | 2009 | Franklin Energy |
| | | 4 | Residential Education Services | 2009 | Franklin Energy (2015) |
| City of | | 5 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| Charlevoix | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | | 4 | Education Services | 2009 | Franklin Energy (2015) |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | 1 . | 1= | | |
| | | 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) |
| Chelsea | | 6 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| Electric | | 7 | Residential Pilot Programs | 2010 | Franklin Energy (2015) |
| Department | | 2 | Prescriptive Incentive | 2009 | Franklin Energy Franklin Energy |
| | | 3 | Custom Incentive Small Business Direct Install | 2009 | Franklin Energy Franklin Energy |
| | C & I | 4 | Education Services | 2009 | Franklin Energy (2015) |
| | | 5 | Pilot Programs | 2010 | Franklin Energy (2015) |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | 1=10. | Evaluation a volinication | 2000 | DITT OL |
| | | 1 | Residential Low Income | 2009 | Internally |
| | | 2 | Efficient Lighting | 2009 | Internally |
| | Describe of all | 3 | Appliance Recycling | 2009 | Franklin Energy |
| | Residential | 4 | Efficient Appliances & HVAC | 2009 | Franklin Energy |
| rooveall Light | | 5 | Residential Pilot Programs | 2009 | Internally |
| roswell 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 | 15 | | |
| | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | | 2 | Efficient Lighting Program | 2009 | Franklin Energy |
| | Deside of a | 3 | Appliance Recycling | 2009 | Franklin Energy |
| | Residential | 4 | Residential Education Services | 2009 | Franklin Energy (2015) |
| | | 5 | Residential Pilot Programs | 2010 | Franklin Energy (2015) |
| ity of Eaton | | 6 | Residential Appliances & HVAC | 2010 | Franklin Energy (2015) |
| Rapids | | 7 | Residential Home Energy Program | 2012 | Franklin Energy (2015) |
| | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 3 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 4 | Small Business Direct Install Education Services | 2011 | Franklin Energy Internally |
| | 2 0 1 | | TO CONTRACTOR SPECIAL | 1 2009 | III II CIII I III V |
| | | 5 | Pilot Programs | 2010 | Internally |

| | | | MPPA Collaborative (continu | ued) | |
|----------------|-------------|-------|---|--------------|---|
| Utility | Sector | | Program Type | Year Imp. | Implementation Contractors |
| | | 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 |
| | 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 | Evaluation & Verification | 2003 | BIV CE |
| | | 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 | 2010 | Franklin Energy |
| lydro Electric | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| ,, | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | 0 4 1 | 4 | Education Services | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | 1=10. | _ raidation a volimoation | | 2 02 |
| | | | | | Lakeshore Habitat for Humanity, Communit |
| | | | Residential Low Income | 2009 | Action House, Salvation Army, Ottawa |
| | | 1 | | | County CAA |
| | | 2 | Efficient Lighting Program | 2009 | Internally (2013) |
| | | 3 | Appliance Recycling | 2009 | PADNOS (2015) |
| | | 4 | Residential Multi-Family In-Unit Efficiency | 2009 | Internally |
| | Residential | 5 | Residential Appliances & HVAC | 2009 | Internally & Franklin Energy |
| | | 6 | Home Energy | 2012 | Internally |
| Holland Board | | | Tiome Energy | 2012 | Internally |
| of Public | | | Residential Education Services | 2009 | Internally, National Energy Foundation, Wes |
| Works | | 7 | Residential Education Services | 2009 | Michigan Environmental Action Council |
| | | 8 | Residential Pilot Programs | 2000 | |
| - | | 1 | Prescriptive Incentive | 2009 | Internally, Ottawa County CAA Internally (2015) |
| | | | | 2009 | |
| | | 2 | Custom Incentive | 2009 | Internally (2015) |
| | C & I | 3 | Small Business Direct Install | 2011 | Internally (2015) |
| | | 4 | Education Services | 2009 | Internally |
| | | 5 | Pilot Programs | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | 1 | Pasidantial Law Income | 2000 | Internally |
| | | 2 | Residential Low Income | 2009 | Internally |
| | | | Efficient Lighting Program | 2009 | Internally |
| | Residential | 3 | Appliance Recycling | 2009 | Franklin Energy |
| | | 4 | Residential Education Services | 2009 | Internally |
| ا المساد ا | | 5 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| Lowell Light | | 6 | Residential Pilot Programs | 2009 | Internally |
| and Power | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | - u | 4 | Education Services | 2009 | Internally |
| | | 5 | Pilot Programs | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |

| 1 | | 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 |
| | C & I | 3 | Custom Incentive Small Business Direct Install | 2009 | Franklin Energy |
| | Cal | 4 | Education Services | 2011 | Franklin Energy 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 Multi-Family In-Unit Efficiency | 2009 | Franklin Energy |
| | | 5 | Residential Education Services | 2009 | Franklin Energy (2015) |
| /illage of Paw | | 6 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| Paw | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | | 4 | Education Services | 2009 | Franklin Energy (2015) |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | Residential | 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 |
| City of | | 6 | Pilot Programs | 2010 | Franklin Energy (2015) |
| Petoskey | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | C & I | 2 | Custom Incentive | 2009 | Franklin Energy |
| | | 3 4 | Small Business Direct Install Education Services | 2011 | Franklin Energy Franklin Energy (2015) |
| | | 5 | Pilot Programs | 2009 | Franklin Energy (2015) |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| , | | , | | | |
| | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | Desire of t | 2 | Efficient Lighting Program | 2009 | Franklin Energy |
| | Residential | 3 | Appliance Recycling | 2009 | Franklin Energy |
| Portland Light | | 5 | Residential Education Services Residential Appliances & HVAC | 2009 | Franklin Energy (2015) Franklin Energy |
| and Power | | 1 | Prescriptive Incentive | 2010 | Franklin Energy Franklin Energy |
| Board | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | - W 1 | 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 (2013) |
| | | 3 | Appliance Recycling | 2009 | Franklin Energy 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 |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | σαι | 4 | Education Services | 2009 | Franklin Energy (2015) |
| | | 5 | Pilot Programs | 2010 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |

| | | | MPPA Collaborative (cont | inued) | |
|-----------------|-------------|------|---------------------------------|--------------|----------------------------|
| Utility | Sector | | Program Type | Year Imp. | Implementation Contractors |
| | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | | 2 | Efficient Lighting Program | 2009 | Franklin Energy |
| | Residential | 3 | Residential Home Energy Program | 2012 | Internally |
| | | 4 | Residential Education Services | 2009 | Franklin Energy (2015) |
| | | 5 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| City of Sturgis | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | Cai | 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) |
| | | 4 | Residential Education Services | 2009 | Internally (2018) |
| Traverse City | | 5 | Residential Appliances & HVAC | 2009 | Internally (2018) |
| Light and | | 6 | Residential Pilot Programs | 2009 | Internally (2018) |
| Power | | 1 | Prescriptive Incentive | 2009 | Internally (2018) |
| | C & I | 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 |
| | | 1 | Residential Low Income | 2009 | Internally |
| | | 2 | Efficient Lighting Program | 2009 | Internally |
| | Residential | 3 | Appliance Recycling | 2009 | Franklin Energy |
| | | 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 |
| 00.11000 | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Pilot Programs | 2009 | Internally |
| | 0 0. | 4 | Education Services | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2009 | DNV-GL |
| | | | | | |
| | | 1 | Residential Low Income | 2009 | Franklin Energy (2015) |
| | | 2 | Efficient Lighting Program | 2009 | Franklin Energy |
| | Residential | 3 | Appliance Recycling | 2010 | Franklin Energy |
| | Residential | 4 | Residential Education Services | 2009 | Internally |
| Zeeland Board | | 5 | Residential Appliances & HVAC | 2010 | Franklin Energy |
| of Public | | 6 | Residential Pilot Programs | 2009 | Internally |
| Works | | 1 | Prescriptive Incentive | 2009 | Franklin Energy |
| | | 2 | Custom Incentive | 2009 | Franklin Energy |
| | C & I | 3 | Small Business Direct Install | 2011 | Franklin Energy |
| | | 4 | Education Services | 2009 | Internally |
| | | Eval | Evaluation & Verification | 2010 | DNV-GL |

MWh Data

| Electric Municipale | 1.00% | | | |
|--------------------------------------|------------------------|--------|------------|--|
| Electric Municipals | 2021 Target 2021 Actua | | % Achieved | |
| Bay City Electric Light & Power | 2,401 | 2,752 | 115% | |
| City of Charlevoix | 611 | 480 | 79% | |
| Chelsea Electric Department | 986 | 876 | 89% | |
| Village of Clinton | 216 | 87 | 40% | |
| Coldwater Board of Public Utilities | 3,644 | 1,300 | 36% | |
| Croswell Light & Power Department | 420 | 390 | 93% | |
| Daggett Electric Department | 16 | 25 | 162% | |
| City of Eaton Rapids | 1,063 | 651 | 61% | |
| Escanaba Electric Department | 1,434 | 1,904 | 133% | |
| Grand Haven Board of Light and Power | 2,087 | 2,802 | 134% | |
| City of Hart Hydro Electric | 514 | 436 | 85% | |
| Holland Board of Public Works | 7,491 | 16,132 | 215% | |
| Lansing Board of Water & Light | 16,098 | 20,932 | 130% | |
| Lowell Light and Power | 571 | 742 | 130% | |
| Marquette Board of Light and Power | 3,134 | 4,218 | 135% | |
| City of Marshall Electric Department | 718 | 1,532 | 213% | |
| Newberry Water & Light Board | 185 | 228 | 123% | |
| Niles Utilities Department | 1,313 | 1,063 | 81% | |
| Village of Paw Paw | 291 | 417 | 143% | |
| City of Petoskey | 692 | 1,676 | 242% | |
| Portland Light and Power Board | 252 | 368 | 146% | |
| Sebewaing Light & Water Dept. | 268 | 631 | 235% | |
| South Haven Dept. of Public Works | 1,422 | 1,702 | 120% | |
| City of St. Louis | 323 | 250 | 77% | |
| City of Stephenson | 66 | 142 | 213% | |
| City of Sturgis | 1,823 | 2,087 | 114% | |
| Traverse City Light & Power | 2,455 | 3,463 | 141% | |
| Union City | 139 | 133 | 96% | |
| City of Wakefield | NO DATA AVAILABLE | | | |
| Wyandotte Municipal Services | 1,528 | 880 | 58% | |
| Zeeland Board of Public Works | 4,039 | 3,865 | 96% | |

| Actual 2021 Expenditures | | | | | ATTACHMENT C | | |
|--------------------------------------|-------------------|-------------|-------------|--------------|--------------|-----------|--|
| | | Residential | Residential | | | | |
| Electric Municipals | Total 2021 | w/o Low | With Low | Commercial & | | Admin & | |
| | | Income | Income | Industrial | Low Income | Eval | |
| Bay City Electric Light & Power | \$409,860 | \$138,592 | \$226,812 | \$157,279 | \$88,220 | \$25,769 | |
| City of Charlevoix | \$71,669 | \$18,362 | \$20,402 | \$47,395 | \$2,040 | \$3,872 | |
| Chelsea Electric Department | \$120,778 | \$27,446 | \$28,022 | \$87,459 | \$576 | \$5,297 | |
| Village of Clinton | \$15,238 | \$300 | \$596 | \$11,642 | \$296 | \$3,000 | |
| Coldwater Board of Public Utilities | \$240,874 | \$18,717 | \$18,717 | \$126,321 | \$0 | \$95,836 | |
| Croswell Light & Power Department | \$43,645 | \$609 | \$677 | \$39,957 | \$68 | \$3,011 | |
| Daggett Electric Department | \$4,625 | \$327 | \$2,027 | \$2,108 | \$1,700 | \$490 | |
| City of Eaton Rapids | \$108,110 | \$37,943 | \$41,583 | \$61,417 | \$3,640 | \$5,110 | |
| Escanaba Electric Department | \$263,455 | \$72,591 | \$85,547 | \$167,933 | \$12,956 | \$9,915 | |
| Grand Haven Board of Light & Power | \$451,129 | \$108,042 | \$120,046 | \$303,447 | \$12,004 | \$27,636 | |
| City of Hart Hydro Electric | \$67,449 | \$8,130 | \$9,034 | \$54,918 | \$904 | \$3,497 | |
| Holland Board of Public Works | \$1,587,318 | \$281,233 | \$303,254 | \$1,247,014 | \$22,021 | \$37,050 | |
| Lansing Board of Water & Light | \$4,487,384 | \$722,278 | \$989,427 | \$2,986,183 | \$267,149 | \$511,774 | |
| Lowell Light and Power | \$99,503 | \$11,913 | \$12,175 | \$77,017 | \$262 | \$10,311 | |
| Marquette Board of Light and Power | \$549,832 | \$179,057 | \$193,110 | \$343,597 | \$14,053 | \$13,125 | |
| City of Marshall Electric Department | \$74,165 | \$7,624 | \$11,614 | \$47,259 | \$3,990 | \$15,293 | |
| Newberry Water & Light Board | \$31,955 | \$15,553 | \$18,038 | \$11,072 | \$2,485 | \$2,845 | |
| Niles Utilities Department | \$164,960 | \$54,112 | \$60,125 | \$98,730 | \$6,013 | \$6,105 | |
| Village of Paw Paw | \$53,018 | \$13,740 | \$14,604 | \$35,143 | \$864 | \$3,271 | |
| City of Petoskey | \$102,233 | \$47,617 | \$49,729 | \$47,050 | \$2,112 | \$5,454 | |
| Portland Light and Power Board | \$53,304 | \$19,910 | \$22,022 | \$28,190 | \$2,112 | \$3,092 | |
| Sebewaing Light & Water Dept. | \$72,149 | \$8,050 | \$16,111 | \$50,638 | \$3,440 | \$5,400 | |
| South Haven Dept. of Public Works | \$236,618 | \$109,715 | \$115,415 | \$112,910 | \$5,700 | \$8,293 | |
| City of St. Louis | \$48,950 | \$15,215 | \$15,835 | \$29,623 | \$620 | \$3,492 | |
| City of Stephenson | \$14,199 | \$3,125 | \$3,666 | \$9,133 | \$541 | \$1,400 | |
| City of Sturgis | \$315,263 | \$81,119 | \$88,799 | \$217,038 | \$7,680 | \$9,426 | |
| Traverse City Light & Power | \$316,244 | \$49,541 | \$56,564 | \$211,063 | \$7,023 | \$48,617 | |
| Union City | \$12,799 | \$4,011 | \$4,158 | \$5,216 | \$147 | \$3,425 | |
| City of Wakefield | NO DATA AVAILABLE | | | | | | |
| Wyandotte Municipal Services | \$132,621 | \$37,046 | \$41,162 | \$44,223 | \$4,116 | \$47,236 | |
| Zeeland Board of Public Works | \$571,826 | \$58,666 | \$65,185 | \$490,793 | \$6,519 | \$15,848 | |

| Energy Waste Reduction Administration and Residential Surcharges for 2021 | | | | | | |
|---|---------------|---------------------|--|--|--|--|
| Electric Municipals | Docket No. | Administration 2021 | 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 | \$0.00410 | | | |
| 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 | | | |