

Energy Optimization 2012 Annual Report for Michigan Electric Municipal Utilities

Introduction

Pursuant to 2008 Public Act 295 (PA 295), the municipal utilities are filing this annual energy optimization (EO) report with the Michigan Public Service Commission (MPSC). This EO annual report consists of two sections:

- Section 1 will address the requirements under PA 295 Section 97, Subsections 1-3 and Section 71, Subsection 3 (i).
- Section 2 will summarize the EO programs implemented in 2012.

SECTION 1: PA 295 SECTION 97 AND SECTION 71 REQUIREMENTS

Section 97 (1) 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 optimization standards.

Each municipal electric provider has continued to offer Energy Optimization programs to all customer classes. Attachment A provides a list of EO 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 number of energy optimization credits that the provider generated 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 optimization credits (in megawatt hours) generated for 2012 and the targets for 2013 are shown in Attachment B for the municipal utilities. The expenditures for 2012 for the Low Income, Residential and Commercial/Industrial programs can be found in Attachment C. The EO 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 in their bills with a bill insert, to its governing body, at its office and on its website.

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

Section 71 (3)(i) Include a process for obtaining an independent expert evaluation of the actual energy optimization programs to verify the incremental energy savings from each energy optimization 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 EO PROGRAMS IMPLEMENTED IN 2012

Residential Low Income Services

All the municipal electric utilities continued to offer low income programs to their customers in 2012.

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 Program*

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 Program*

ENERGY OPTIMIZATION PROGRAMS AND CONTRACTORS					
INDEPENDENTLY ADMINISTERING					
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Village of Clinton	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Residential Education Services	2009	Internally
		4	Residential Appliances & HVAC	2009	Internally
	C & I	1	Business Services	2009	Internally
		2	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	Local Police Officer
Coldwater Board of Public Utilities	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Efficiency Smart
		3	Appliance Recycling	2009	JACO
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2009	Efficiency Smart
	C & I	7	Residential Pilot Programs	2009	Efficiency Smart
		1	Prescriptive Incentive	2009	Efficiency Smart
		2	Custom Incentive	2009	Efficiency Smart
		3	Education Services	2009	Internally
		4	Pilot Programs	2009	Efficiency Smart
Eval	Evaluation & Verification	2010	Integral Analytics		
Detroit Public Lighting Dept.	Residential	1	Residential Low Income	2010	Walker Miller Energy Services
		2	Efficient Lighting	2010	Walker Miller Energy Services
		3	Educational Services	2010	Internal / Walker Miller Energy Services
	C & I	1	Prescriptive Incentive	2010	Walker Miller Energy Services
		2	Custom Incentive	2010	Walker Miller Energy Services
		3	Education Services	2010	Walker Miller Energy Services
	Eval	Evaluation & Verification	2010	KEMA	
Lansing Board of Water & Light	Residential	1	Residential Low Income	2009	CACS & MEO
		2	Efficient Lighting Program	2009	MEO/WECC
		3	Refrigerator/Freezer Turn-In	2009	MEO/WECC
		4	Residential Appliances & HVAC	2010	MEO/WECC
		5	Residential Multi-Family In-Unit Efficiency	2010	MEO/WECC
		6	Residential Education Services	2009	Internally
		7	Residential Pilot Programs	2011	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
4	Education Services	2009	Internally		
5	Pilot Programs	2010	Internally		
Eval	Evaluation & Verification	2009	KEMA		
City of Marshall	Residential	1	Residential Low Income	2009	Internally
		2	Residential Services	2009	Internally
		3	Residential Education Services	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Internally
		2	Custom Incentive	2009	Internally
		3	Education Services	2009	Internally
Eval	Evaluation & Verification	2010	Internally		
Sebewaing	Residential	1	Residential Low Income	2009	Internally
		2	Residential Services	2009	Internally
		3	Residential Education Services	2009	Internally
		4	Residential Pilot	2010	Internally
		5	Residential Appliances & HVAC	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Internally
		2	Custom Incentive	2009	Internally
		3	Education Services	2009	Internally
		4	Pilot Programs	2010	Internally
Eval	Evaluation & Verification	2009	KEMA		

INDEPENDENTLY ADMINISTERING (continued)					
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Union City Electric Department	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Residential Education Services	2009	Internally
	C&I	1	Prescriptive Incentive Program	2009	Internally
		2	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	KEMA INC.
City of Wakefield	Residential	1	Residential Low Income	2010	Internally
		2	Efficient Lighting Program	2010	Internally
		3	Residential Education Services	2010	Internally
		4	Electric Water Heater Saving Kits	2010	Internally
	C & I	1	Prescriptive Incentive	2010	Internally
		2	Custom Incentive	2010	Internally
		3	Education Services	2010	Internally
		Eval	Evaluation & Verification	2009	None due to budget constraints
		MECA COLLABORATIVE			
EsCANABA Electric Department	Residential	1	Residential Low Income	2010	WECC
		2	Energy Star Products	2010	WECC
		3	Appliance Recycling	2010	WECC
		4	Efficient HVAC	2010	WECC
		5	Audit & Weatherization / New Construction	2010	WECC
		6	Education Services	2010	WECC
		7	Pilot Programs	2010	WECC
	C & I	1	General Business Services	2010	WECC
		2	Education Services	2010	WECC
		3	Pilot Programs	2010	WECC
Eval	Evaluation & Verification	2009	KEMA		
Marquette Board of Light & Power	Residential	1	Residential Low Income	2010	WECC
		2	Energy Star Products	2010	WECC
		3	Appliance Recycling	2010	WECC
		4	Efficient HVAC	2010	WECC
		5	Audit & Weatherization / New Construction	2010	WECC
		6	Education Services	2010	WECC
		7	Pilot Programs	2010	WECC
	C&I	1	General Business Services	2010	WECC
		2	Education Services	2010	WECC
		3	Pilot Programs	2010	WECC
Eval	Evaluation & Verification	2009	KEMA		
Newberry Water & Light Board	Residential	1	Residential Low Income	2010	WECC
		2	Energy Star Products	2010	WECC
		3	Appliance Recycling	2010	WECC
		4	Efficient HVAC	2010	WECC
		5	Audit & Weatherization / New Construction	2010	WECC
		6	Farm Services	2012	WECC
		7	Education Services	2010	WECC
		8	Pilot Programs	2010	WECC
	C&I	1	General Business Services	2010	WECC
		2	Education Services	2010	WECC
3	Pilot Programs	2010	WECC		
Eval	Evaluation & Verification	2009	KEMA		
City of Stephenson	Residential	1	Residential Low Income	2010	WECC
		2	Energy Star Products	2010	WECC
		3	Appliance Recycling	2010	WECC
		4	Efficient HVAC	2010	WECC
		5	Audit & Weatherization / New Construction	2010	WECC
		6	Education Services	2010	WECC
		7	Pilot Programs	2010	WECC
	C & I	1	General Business Services	2010	WECC
		2	Education Services	2010	WECC
		3	Pilot Programs	2010	WECC
Eval	Evaluation & Verification	2009	KEMA		

MPPA Collaborative					
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
Bay City Electric Light & Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Home Energy Programs	2010	Internally
		7	Electric Water Heater Saving Kits	2010	Internally
		8	Residential Pilot Programs	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
4		Education Services	2009	Internally	
5		Pilot Programs	2010	Internally	
Eval		Evaluation & Verification	2009	KEMA	
City of Charlevoix	Residential	1	Residential Low Income	2009	MCAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA
	Chelsea Electric Department	Residential	1	Residential Low Income	2009
2			Efficient Lighting Program	2009	Franklin Energy
3			Refrigerator/Freezer Turn-In	2009	Franklin Energy
4			Residential Education Services	2009	Internally
5			Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy
6			Residential Appliances & HVAC	2010	Franklin Energy
7			Residential Pilot Programs	2010	Internally
C & I		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
5	Pilot Programs	2010	Internally		
Eval		Evaluation & Verification	2009	KEMA	
Croswell Light & Power	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
		3	Refrigerator/Freezer Turn-In & Recycling	2009	Franklin Energy
		4	Efficient Appliances & HVAC	2009	Franklin Energy
		5	Residential Pilot Programs	2009	Internally
		6	Educational Services	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA
Dowagiac Department of Public Services	Residential	1	Residential Low Income	2009	MCAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA

MPPA Collaborative					
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
City of Eaton Rapids	Residential	1	Residential Low Income	2009	MCAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Pilot Programs	2010	Internally
		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Home Energy Program	2012	Internal
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
5		Pilot Programs	2010	Internally	
Eval		Evaluation & Verification	2009	KEMA	
Grand Haven Board of Light & Power	Residential	1	Residential Low Income	2009	MCAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Home Energy Program	2012	Internal
		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy
		8	Residential Pilot Programs	2010	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
4		Education Services	2009	Internally	
5	Pilot Programs	2010	Internally		
Eval		Evaluation & Verification	2009	KEMA	
Harbor Springs Municipal Utility	Residential	1	Residential Low Income	2010	MCAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA
City of Hart Hydro Electric	Residential	1	Residential Low Income	2010	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA
Holland Board of Public Works	Residential	1	Residential Low Income	2009	MCAA, Lakeshore Habitat for Humanity
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2009	Franklin Energy
		8	Residential Multi-Family In-Unit Efficiency	2009	Franklin Energy
		9	Residential Pilot Programs	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		5	Pilot Programs	2009	Internally
	Eval		Evaluation & Verification	2009	KEMA

MPPA Collaborative (continued)

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

MPPA Collaborative (continued)

Utility	Sector		Program Type	Year Imp.	Implementation Contractors
City of Sturgis	Residential	1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Residential Home Energy Program	2012	Internally
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Pilot Programs	2010	Internally
		5	Education Services	2009	Internally
	Eval	Evaluation & Verification		2009	KEMA
Traverse City Light and Power	Residential	1	Residential Low Income	2009	Internally, MCAAA, DHS, TCHC
		2	Efficient Lighting Program	2009	Internally
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2009	Franklin Energy
		6	Residential Pilot Programs	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	5	Pilot Programs	2009	Internally	
	Eval	Evaluation & Verification		2009	KEMA
Wyandotte Municipal Services	Residential	1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Pilot Programs	2009	Internally
		6	Residential Appliances & HVAC	2010	Franklin Energy
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Pilot Programs	2009	Internally
		4	Education Services	2009	Internally
	Eval	Evaluation & Verification		2009	KEMA
Zeeland Board of Public Works	Residential	1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Internally
		3	Refrigerator/Freezer Turn-In	2010	Franklin Energy
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Pilot Programs	2009	Internally
	C & I	1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
		3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
	Eval	Evaluation & Verification		2010	KEMA

Efficiency United Municipal Utilities

Village of Baraga
City of Crystal Falls
Daggett Electric Department
City of Gladstone Electrical Department
Hillsdale Board of Public Utilities
Village of L'Anse
City of Negaunee Electric Department
City of Norway Electric Department
South Haven Department of Public Works

MWh Data

Electric Municipals	1.00%			1.00%
	2012 Target	2012 Actual	% Achieved	2013 Target
Bay City Electric Light & Power	2,860	3,037	106%	3,124
City of Charlevoix	603	643	106%	569
Chelsea Electric Department	366	479	131%	828
Village of Clinton	213	203	95%	227
Coldwater Board of Public Utilities	2,589	2,104	81%	3,280
Croswell Light & Power Department	357	489	137%	271
Detroit Public Lighting Department	865	592	68%	1,608
Dowagiac Department of Public Services	417	538	129%	EU in 2013
City of Eaton Rapids	455	607	133%	377
Escanaba Electric Department	1,428	1,338	94%	1,471
Grand Haven Board of Light and Power	2,223	1,912	86%	2,986
Harbor Springs Municipal Utility	358	369	103%	EU in 2013
City of Hart Hydro Electric	394	265	67%	551
Holland Board of Public Works	7,948	8,116	102%	9,653
Lansing Board of Water & Light	19,280	23,147	120%	18,363
Lowell Light and Power	483	503	104%	628
Marquette Board of Light and Power	3,098	2,912	94%	3,199
City of Marshall Electric Department	537	868	162%	725
Newberry Water & Light Board	192	243	127%	140
Niles Utilities Department	1,287	1,003	78%	1,578
Village of Paw Paw	480	450	94%	511
City of Petoskey	1,080	839	78%	1,358
Portland Light and Power Board	362	332	92%	392
Sebewaing Light & Water Dept.	311	1,017	327%	163
City of St. Louis	378	365	97%	391
City of Stephenson	60	68	113%	51
City of Sturgis	2,215	2,798	126%	1,699
Traverse City Light & Power	2,543	4,109	162%	2,157
Union City	139	125	89%	171
City of Wakefield	52	52	100%	130
Wyandotte Municipal Services	2,495	2,500	100%	3,187
Zeeland Board of Public Works	2,601	1,484	57%	4,101

Efficiency United Municipal Utilities
Village of Baraga
City of Crystal Falls
Daggett Electric Department
City of Gladstone Electrical Department
Hillsdale Board of Public Utilities
Village of L'Anse
City of Negaunee Electric Department
City of Norway Electric Department
South Haven Department of Public Works

Actual 2012 Expenditures

Electric Municipals	Total 2012	Residential W/O Low Income	Residential W/Low Income	C&I	Low Income	Admin & Eval
Bay City Electric Light & Power	\$469,307	\$179,571	\$239,588	\$198,694	\$60,017	\$31,026
City of Charlevoix	\$68,757	\$12,125	\$14,127	\$49,970	\$2,002	\$4,660
Chelsea Electric Department	\$72,410	\$20,313	\$20,313	\$44,951	\$0	\$7,146
Village of Clinton	\$9,465	\$5,864	\$5,992	\$1,823	\$127	\$1,650
Coldwater Board of Public Utilities	\$536,800	\$112,600	\$191,000	\$244,200	\$78,400	\$101,600
Croswell Light & Power Department	\$43,500	\$2,952	\$5,507	\$31,946	\$2,555	\$6,047
Detroit Public Lighting Department	\$141,860	\$50	\$600	\$72,180	\$550	\$69,080
Dowagiac Department of Public Services	\$66,347	\$9,716	\$10,122	\$48,546	\$407	\$7,678
City of Eaton Rapids	\$67,040	\$13,487	\$13,839	\$47,397	\$352	\$5,803
Escanaba Electric Department	\$191,237	\$30,025	\$32,571	\$94,476	\$2,546	\$64,190
Grand Haven Board of Light and Power	\$228,811	\$33,988	\$34,626	\$181,452	\$638	\$12,733
Harbor Springs Municipal Utility	\$43,205	\$9,108	\$9,284	\$30,195	\$176	\$3,726
City of Hart Hydro Electric	\$38,926	\$4,177	\$4,177	\$31,040	\$0	\$3,709
Holland Board of Public Works	\$1,066,505	\$186,443	\$236,736	\$743,040	\$50,293	\$86,729
Lansing Board of Water & Light	\$3,260,845	\$929,233	\$1,129,792	\$1,817,240	\$200,559	\$313,813
Lowell Light and Power	\$63,247	\$11,074	\$12,499	\$39,416	\$1,425	\$11,332
Marquette Board of Light and Power	\$488,019	\$95,103	\$104,486	\$236,045	\$9,383	\$147,488
City of Marshall Electric Department	\$55,902	\$9,320	\$9,320	\$32,477	\$0	\$14,105
Newberry Water & Light Board	\$31,159	\$16,341	\$19,808	\$7,918	\$3,467	\$3,433
Niles Utilities Department	\$129,103	\$27,709	\$29,346	\$90,086	\$1,637	\$9,672
Village of Paw Paw	\$55,998	\$9,285	\$9,285	\$42,895	\$0	\$3,817
City of Petoskey	\$96,140	\$13,599	\$13,599	\$76,149	\$0	\$6,393
Portland Light and Power Board	\$41,497	\$15,665	\$16,071	\$21,430	\$407	\$3,995
Sebewaing Light & Water Dept.	\$43,577	\$9,205	\$12,687	\$26,211	\$3,482	\$4,680
City of St. Louis	\$53,446	\$7,908	\$8,332	\$39,990	\$424	\$5,125
City of Stephenson	\$7,799	\$2,378	\$2,593	\$2,656	\$215	\$2,550
City of Sturgis	\$242,340	\$31,996	\$33,340	\$198,609	\$1,344	\$10,392
Traverse City Light & Power	\$612,250	\$94,106	\$100,341	\$386,186	\$6,236	\$125,723
Union City	\$11,577	\$7,434	\$7,635	\$3,092	\$201	\$850
City of Wakefield	\$6,186	\$2,324	\$2,766	\$3,214	\$442	\$206
Wyandotte Municipal Services	\$238,925	\$54,522	\$77,888	\$134,100	\$23,366	\$26,937
Zeeland Board of Public Works	\$285,371	\$67,278	\$67,538	\$204,925	\$260	\$12,908

Efficiency United Municipal Utilities

Village of Baraga
City of Crystal Falls
Daggett Electric Department
City of Gladstone Electrical Department
Hillsdale Board of Public Utilities
Village of L'Anse
City of Negaunee Electric Department
City of Norway Electric Department
South Haven Department of Public Works

Energy Optimization Administration and Residential Surcharges for 2012			
Electric Municipals	Case No.	Administration 2012	EO Residential Surcharge per \$/kWh or Per Meter
Bay City Electric Light & Power	U-16689	MPPA	0.000825
City of Charlevoix	U-16690	MPPA	\$0.00115
Chelsea Electric Department	U-16691	MPPA	\$0.00100
Village of Clinton	U-16692	Independently	\$0.00000
Coldwater Board of Public Utilities	U-16693	Independently	\$0.00252
Croswell Light & Power Department	U-16694	MPPA	\$0.00169
Detroit Public Lighting Department	U-16697	Independently	\$0.00150
Dowagiac Department of Public Services	U-16698	MPPA	\$0.00100
City of Eaton Rapids	U-16699	MPPA	\$0.00080
Escanaba Electric Department	U-16700	MECA	\$0.00186
Grand Haven Board of Light and Power	U-16702	MPPA	\$0.00138
Harbor Springs Municipal Utility	U-16703	MPPA	\$0.00124
City of Hart Hydro Electric	U-16704	MPPA	\$0.00130
Holland Board of Public Works	U-16706	MPPA	\$0.00159
Lansing Board of Water & Light	U-16708	Independently	\$0.00185
Lowell Light and Power	U-16709	MPPA	\$0.00163
Marquette Board of Light and Power	U-16710	MECA	\$0.00171
City of Marshall Electric Department	U-16711	Independently	\$0.00000
Newberry Water & Light Board	U-16713	MECA	\$0.00137
Niles Utilities Department	U-16714	MPPA	\$0.00000
Village of Paw Paw	U-16716	MPPA	\$0.00120
City of Petoskey	U-16717	MPPA	\$0.00182
Portland Light and Power Board	U-16718	MPPA	\$0.00132
Sebewaing Light & Water Dept.	U-16719	Independently	\$0.00174
City of St. Louis	U-16721	MPPA	\$0.00114
City of Stephenson	U-16722	MECA	\$0.00128
City of Sturgis	U-16723	MPPA	\$0.00112
Traverse City Light & Power	U-16724	MPPA	\$0.00000
Union City	U-16725	Independently	\$0.00090
City of Wakefield	U-16726	Independently	\$0.00122
Wyandotte Municipal Services	U-16727	MPPA	\$0.00148
Zeeland Board of Public Works	U-16728	MPPA	\$1.00 Per Meter

Efficiency United Municipal Utilities

Village of Baraga	U-16688	Efficiency United	
City of Crystal Falls	U-16695	Efficiency United	
Daggett Electric Department	U-16696	Efficiency United	
City of Gladstone Electrical Department	U-16701	Efficiency United	
Hillsdale Board of Public Utilities	U-16705	Efficiency United	
Village of L'Anse	U-16707	Efficiency United	
City of Negaunee Electric Department	U-16712	Efficiency United	
City of Norway Electric Department	U-16715	Efficiency United	
South Haven Department of Public Works	U-16720	Efficiency United	\$0.00079