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		
		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	Efficiency Smart		
	Residential	3	Appliance Recycling	2009	JACO		
	Residential	4	Residential Education Services	2009	Internally		
Coldwater		5	Residential Appliances & HVAC	2009	Efficiency Smart		
Board of Public Utilities		7	Residential Pilot Programs Prescriptive Incentive	2009	Efficiency Smart Efficiency Smart		
r ubiic Utilities		2	Custom Incentive	2009	Efficiency Smart		
	C & I	3	Education Services	2009	Internally		
		4	Pilot Programs	2009	Efficiency Smart		
		Eval	Evaluation & Verification	2010	Integral Analytics		
		1	Residential Low Income	2010	Walker Miller Energy Services		
	Residential	2	Efficient Lighting	2010	Walker Miller Energy Services		
Detroit Public		3	Educational Services	2010	Internal / Walker Miller Energy Services		
Lighting Dept.	C & I	1	Prescriptive Incentive	2010	Walker Miller Energy Services		
Lighting Dept.		2	Custom Incentive	2010	Walker Miller Energy Services		
		3 Eval	Education Services Evaluation & Verification	2010	Walker Miller Energy Services KEMA		
		Lvai	Evaluation a verification	2010	INCIANT		
					1		
		1	Residential Low Income	2009	CACS & MEO		
		2	Efficient Lighting Program	2009	MEO/WECC		
	Residential	3	Efficient Lighting Program Refrigerator/Freezer Turn-In		MEO/WECC MEO/WECC		
	Residential	2	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency	2009 2009 2010 2010	MEO/WECC		
Lansing Board	Residential	2 3 4 5 6	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services	2009 2009 2010 2010 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally		
of Water &	Residential	2 3 4 5 6 7	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs	2009 2009 2010 2010 2009 2011	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally		
	Residential	2 3 4 5 6 7	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive	2009 2009 2010 2010 2009 2011 2009	MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy		
of Water &		2 3 4 5 6 7 1 2	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2010 2010 2010 2009 2011 2009 2009	MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy		
of Water &	Residential C & I	2 3 4 5 6 7	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive	2009 2009 2010 2010 2010 2009 2011 2009 2009	MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy		
of Water &		2 3 4 5 6 7 1 2 3 4 5	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs	2009 2009 2010 2010 2010 2009 2011 2009 2011 2009 2010	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally Internally Internally Internally Internally		
of Water &		2 3 4 5 6 7 1 2 3 4	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2010 2010 2010 2009 2011 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally Franklin Energy		
of Water &		2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification	2009 2009 2010 2010 2010 2011 2009 2011 2009 2011 2009 2010 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally Internally		
of Water &		2 3 4 5 6 7 1 2 3 4 5	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs	2009 2009 2010 2010 2010 2009 2011 2009 2011 2009 2010	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally Internally Internally Internally Internally		
of Water & Light	C & I	2 3 4 5 6 7 1 2 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification	2009 2009 2010 2010 2010 2011 2009 2011 2009 2011 2009 2010 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally Internally Internally Internally		
of Water &	C & I	2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive	2009 2009 2010 2010 2010 2010 2009 2011 2009 2011 2009 2010 2009 2009 2009 2009 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I	2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Custom Incentive	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009 2009 2009 2009 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential	2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Education Services	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009 2009 2009 2009 2009 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential	2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Custom Incentive	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009 2009 2009 2009 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential	2 3 4 5 6 7 1 2 3 4 5 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Education Services Education Services Evaluation & Verification	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 1 2 3 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Services	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 1 2 3 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Custom Incentive Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Education Services Residential Education Services	2009 2009 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Franklin Energy Franklin Energy Franklin Energy Internally		
of Water & Light City of Marshall	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 1 2 3 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Education Services Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Prescriptive Incentive Custom Incentive Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Education Services Residential Education Services Residential Education Services Residential Education Services	2009 2009 2010 2010 2010 2010 2010 2009 2011 2009 2011 2009 2010 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 1 2 3 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Custom Incentive Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Education Services Residential Education Services	2009 2009 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009	MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light City of Marshall	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 1 2 3 Eval 2 3 4 5 5 Eval 2 3 4 5 5 6 7 7 7 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Education Services Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Residential Education Services Prescriptive Incentive Custom Incentive Education Services Residential Education Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Low Income Residential Education Services Residential Education Services Residential Education Services Residential Services Residential Education Services Residential Education Services Residential Education Services Residential Pilot Residential Appliances & HVAC	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2010 2009 2009 2009 2009 2009 2009 2009 2009 2009 2010 2009 2010	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light City of Marshall	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 Eval 2 3 4 5 Eval 2 3 4 5 5 5 6 7 7 1 2 3 4 5 5 6 7 7 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 7 8	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Prescriptive Incentive Custom Incentive Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Education Services Evaluation & Verification Residential Low Income Residential Education Services Evaluation & Verification Residential Education Services Residential Education Services Residential Education Services Residential Fulcome Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2011 2009 2010 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		
of Water & Light City of Marshall	C & I Residential C & I	2 3 4 5 6 7 1 2 3 4 5 Eval 1 2 3 Eval 2 3 4 5 Eval 2 3 4 5 5 5 6 7 7 1 2 3 4 5 5 6 7 7 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8 8 8	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Education Services Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Residential Services Prescriptive Incentive Custom Incentive Education Services Prescriptive Incentive Education Services Evaluation & Verification Residential Education Services Prescriptive Incentive Education Services Evaluation & Verification Residential Low Income Residential Education Services Residential Filot Residential Forvices Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive	2009 2009 2010 2010 2010 2010 2011 2009 2011 2009 2011 2009 2010 2009 2009	MEO/WECC MEO/WECC MEO/WECC MEO/WECC Internally Internally Internally Franklin Energy Franklin Energy Internally		

1			INDEPENDENTLY ADMINISTERING (C	ontinue	a)	
Utility Sector			Program Type		Implementation Contractors	
		1 4	Desidential Levy Income	2000	Internally	
	Residential	1 2	Residential Low Income Efficient Lighting Program	2009 2009	Internally	
Union City	residential	3	Residential Education Services	2009	Internally	
Electric		1	Prescriptive Incentive Program	2009	Internally	
Department	C&I	2	Education Services	2009	Internally	
		Eval	Evaluation & Verification	2009	KEMA INC.	
		1	Residential Low Income	2010	Internally	
	Residential	2	Efficient Lighting Program	2010	Internally	
	Residential	3	Residential Education Services	2010	Internally	
City of		4	Electric Water Heater Saving Kits	2010	Internally	
Wakefield		1	Prescriptive Incentive	2010	Internally	
	C & I	3	Custom Incentive	2010	Internally	
		Eval	Education Services Evaluation & Verification	2010	Internally None due to budget constraints	
·		Lvai	L Variation a Vollination		Trong due to budget constrainte	
			MECA COLLABORATIVE			
		1	Residential Low Income	2010	WECC	
		2	Energy Star Products	2010	WECC	
	.	3	Appliance Recycling	2010	WECC	
Faar :- !	Residential	4	Efficient HVAC Audit & Weatherization / New Construction	2010	WECC	
Escanaba Electric		5 6	Education Services	2010 2010	WECC	
Department		7	Pilot Programs	2010	WECC	
Department		1	General Business Services	2010	WECC	
		2	Education Services	2010	WECC	
	C & I	3	Pilot Programs	2010	WECC	
		Eval	Evaluation & Verification	2009	KEMA	
		1 1	Residential Low Income	2010	WECC	
	Residential	2	Energy Star Products	2010	WECC	
		3	Appliance Recycling	2010	WECC	
		4	Efficient HVAC	2010	WECC	
Marquette		5	Audit & Weatherization / New Construction	2010	WECC	
Board of Light		6	Education Services	2010	WECC	
& Power		7	Pilot Programs	2010	WECC	
		1	General Business Services	2010	WECC	
	C&I	2	Education Services	2010	WECC WECC	
		3 Eval	Pilot Programs Evaluation & Verification	2010 2009	KEMA	
					rsa.rr.s	
		1	Residential Low Income	2010	WECC	
		2	Energy Star Products	2010	WECC	
		3	Appliance Recycling	2010	WECC	
	Residential	4	Efficient HVAC Audit & Weatherization / New Construction	2010	WECC	
Newberry		5 6	Farm Services	2010 2012	WECC WECC	
Vater & Light		7	Education Services	2012	WECC	
Board		8	Pilot Programs	2010	WECC	
F		1	General Business Services	2010	WECC	
	Col	2	Education Services	2010	WECC	
	C&I	3	Pilot Programs	2010	WECC	
		Eval	Evaluation & Verification	2009	KEMA	
I		1	Residential Low Income	2010	WECC	
		2	Energy Star Products	2010	WECC	
		3	Appliance Recycling	2010	WECC	
	Residential	4	Efficient HVAC	2010	WECC	
		5	Audit & Weatherization / New Construction	2010	WECC	
City of		6	Education Services	2010	WECC	
City of Stephenson			IDU-t December	2010	WECC	
City of Stephenson		7	Pilot Programs			
		1	General Business Services	2010	WECC	
	C & I					

			MPPA Collaborative		
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
Bay City	Residential	4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
		6	Residential Home Energy Programs	2010	Internally
Electric Light		7	Electric Water Heater Saving Kits	2010	Internally
& Power		8	Residential Pilot Programs	2010	Internally
		2	Prescriptive Incentive Custom Incentive	2009 2009	Franklin Energy
		3	Small Business Direct Install	2009	Franklin Energy Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	KEMA
		Lvai	Evaluation & verification	2000	IXE W/X
		1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
City of		5	Residential Appliances & HVAC	2010	Franklin Energy
Charlevoix		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 Eval	Education Services	2009	Internally KEMA
		Evai	Evaluation & Verification	2009	REMA
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
		5	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy
Chelsea		6	Residential Appliances & HVAC	2010	Franklin Energy
Electric		7	Residential Pilot Programs	2010	Internally
Department		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services Pilot Programs	2009	Internally
		5 Eval	Evaluation & Verification	2010	Internally KEMA
L			Evaluation & verification	2009	REIMA
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
	Pooldontia!	3	Refrigerator/Freezer Turn-In & Recycling	2009	Franklin Energy
	Residential	4	Efficient Appliances & HVAC	2009	Franklin Energy
Croswell Light		5	Residential Pilot Programs	2009	Internally
& Power		6	Educational Services	2009	Internally
□ 1 0₩GI		1	Prescriptive Incentive	2009	Franklin Energy
	0.0.	2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4 Eval	Education Services Evaluation & Verification	2009	Internally
		Eval	Evaluation & verification	2009	KEMA
I		1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
Dowagiac		4	Residential Education Services	2009	Internally
Department of		5	Residential Appliances & HVAC	2010	Franklin Energy
Public		1	Prescriptive Incentive	2009	Franklin Energy
Services		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	KEMA

		1	MPPA Collaborative	1	
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
		5	Residential Pilot Programs	2010	Internally
City of Eaton		<u>6</u> 7	Residential Appliances & HVAC Residential Home Energy Program	2010 2012	Franklin Energy Internal
Rapids		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	0.01	3	Small Business Direct Install	2011	Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	KEMA
		1 4	Decidential Law Income	2000	INCAAA
		2	Residential Low Income Efficient Lighting Program	2009	MCAAA Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy Franklin Energy
		4	Residential Education Services	2009	Internally
	Residential	5	Residential Home Energy Program	2012	Internal
Crand Haven		6	Residential Appliances & HVAC	2010	Franklin Energy
Grand Haven Board of Light		7	Residential Multi-Family In-Unit Efficiency	2010	Franklin Energy
& Power		8	Residential Pilot Programs	2010	Internally
a i owei		1	Prescriptive Incentive	2009	Franklin Energy
		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		5 Eval	Pilot Programs Evaluation & Verification	2010	Internally KEMA
		Eval	Evaluation & Verification	2009	INEMIA
		1	Residential Low Income	2010	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
Harbor		4	Residential Education Services	2009	Internally
Springs		5	Residential Appliances & HVAC	2010	Franklin Energy
Municipal		1	Prescriptive Incentive	2009	Franklin Energy
Utility	C & I	3	Custom Incentive Small Business Direct Install	2009 2011	Franklin Energy Franklin Energy
	Cai	4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	KEMA
		1	Residential Low Income	2010	Internally
	Posidontial	2	Efficient Lighting Program	2009	Franklin Energy
	Residential	2	Efficient Lighting Program Refrigerator/Freezer Turn-In	2009 2009	Franklin Energy Franklin Energy
City of Hart	Residential	2 3 4	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services	2009 2009 2009	Franklin Energy Franklin Energy Internally
City of Hart Hydro Electric	Residential	2 3 4 5	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2010	Franklin Energy Franklin Energy Internally Franklin Energy
	Residential	2 3 4 5	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive	2009 2009 2009 2010 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy
City of Hart Hydro Electric	Residential C & I	2 3 4 5	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2010	Franklin Energy Franklin Energy Internally Franklin Energy
		2 3 4 5 1 2	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2009 2010 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally
		2 3 4 5 1 2 3	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2009 2010 2009 2009 2011	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy
		2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA
		2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity
		2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy
		2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity
	C & I	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Franklin Energy Franklin Energy
Hydro Electric	C & I	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Internally Internally Internally
Hydro Electric Holland Board of Public	C & I	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Pilot Programs	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Franklin Energy Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally
Hydro Electric Holland Board	C & I	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Pilot Programs Prescriptive Incentive	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally Franklin Energy Internally Franklin Energy
Hydro Electric Holland Board of Public	C & I	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Franklin Energy Franklin Energy Internally Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy
Hydro Electric Holland Board of Public	C & I	2 3 4 5 1 2 3 4 Eval 1 2 3 4 5 8 9 1 2 3 3	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy
Hydro Electric Holland Board of Public	C & I Residential	2 3 4 5 1 2 3 4 Eval	Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Multi-Family In-Unit Efficiency Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA MCAAA, Lakeshore Habitat for Humanity Franklin Energy Internally Franklin Energy Franklin Energy Internally Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy

1			MPPA Collaborative (continue)	1
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Internally
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
Lowell Light	. 100100111101	4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2010	Franklin Energy
Lowell Light and Power		6	Residential Pilot Programs Prescriptive Incentive	2009 2009	Internally Franklin Energy
and rower		2	Custom Incentive	2009	Franklin Energy
	0.01	3	Small Business Direct Install	2011	Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2009	Internally
		Eval	Evaluation & Verification	2009	KEMA
		2	Residential Low Income Efficient Lighting Program	2010 2009	MCAAA Franklin Energy
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy Franklin Energy
	residential	4	Residential Education Services	2009	Internally
Niles Utilities		5	Residential Appliances & HVAC	2009	Franklin Energy
Department		1	Prescriptive Incentive	2009	Franklin Energy
•		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
		4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	KEMA
1		4	Posidontial Lour Income	2000	Internally
		1 2	Residential Low Income Efficient Lighting Program	2009 2009	Internally Franklin Energy
		3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
	Residential	4	Residential Multi-Family In-Unit Efficiency	2009	Franklin Energy
		5	Residential Education Services	2009	Internally
/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	Internally
		Eval	Evaluation & Verification	2009	KEMA
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
		4	Residential Education Services	2009	Internally
City of		5 6	Residential Appliances & HVAC Pilot Programs	2010 2010	Franklin Energy Internally
Petoskev		1	Prescriptive Incentive	2009	Franklin Energy
1 Closkey		2	Custom Incentive	2009	Franklin Energy
	0.0:	3	Small Business Direct Install	2011	Franklin Energy
	C & I	4	Education Services	2009	Internally
		5	Pilot Programs	2010	Internally
		Eval	Evaluation & Verification	2009	KEMA
			Desidential Leur III	0000	
l l		1	Residential Low Income	2009	MCAAA Franklin Energy
		^		2000	ICIAUKUU CURUUV
	Recidential	2	Efficient Lighting Program	2009	
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy
Portland Light	Residential	3 4	Refrigerator/Freezer Turn-In Residential Education Services	2009 2009	Franklin Energy Internally
and Power	Residential	3 4 5	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC	2009 2009 2010	Franklin Energy Internally Franklin Energy
•	Residential	3 4	Refrigerator/Freezer Turn-In Residential Education Services	2009 2009	Franklin Energy Internally
and Power	Residential C & I	3 4 5 1	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive	2009 2009 2010 2009	Franklin Energy Internally Franklin Energy Franklin Energy
and Power		3 4 5 1 2 3 4	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2010 2009 2009 2011 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally
and Power		3 4 5 1 2 3	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2010 2009 2009 2011	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy
and Power		3 4 5 1 2 3 4	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2010 2009 2009 2011 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally
and Power		3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification	2009 2009 2010 2009 2009 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA
and Power	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income	2009 2009 2010 2009 2009 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA
and Power		3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services	2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy Franklin Energy Internally Internally Internally Internally Internally Internally Internally Internally Internally
and Power Board	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC	2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally Franklin Energy
and Power Board	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Pilot Programs	2009 2009 2010 2009 2011 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Internally Internally Internally Internally
and Power Board	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive	2009 2009 2010 2009 2011 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy
and Power Board	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2010 2009 2009 2009 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy
and Power Board	C & I	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2010 2009 2009 2011 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy
and Power Board	C & I Residential	3 4 5 1 2 3 4 Eval	Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Evaluation & Verification Residential Low Income Efficient Lighting Program Refrigerator/Freezer Turn-In Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2010 2009 2009 2009 2009 2009	Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally KEMA Internally Franklin Energy

MPPA Collaborative (continued)							
Utility	Sector		Program Type	Year Imp.	Implementation Contractors		
		1 1	Residential Low Income	2009	MCAAA		
		2	Efficient Lighting Program	2009	Franklin Energy		
	Residential	3	Residential Home Energy Program	2012	Internally		
		4	Residential Education Services	2009	Internally		
		5	Residential Appliances & HVAC	2010	Franklin Energy		
City of Sturgis		1	Prescriptive Incentive	2009	Franklin Energy		
ony or orangio		2	Custom Incentive	2009	Franklin Energy		
		3	Small Business Direct Install	2011	Franklin Energy		
	C & I	4	Pilot Programs	2010	Internally		
		5	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2009	KEMA		
		<u> </u> Lvai	Evaluation & verification	2000	INCLIVIA		
		1	Residential Low Income	2009	Internally, MCAAA, DHS, TCHC		
		2	Efficient Lighting Program	2009	Internally		
	Residential	3	Refrigerator/Freezer Turn-In	2009	Franklin Energy		
		4	Residential Education Services	2009	Internally		
T 0''		5	Residential Appliances & HVAC	2009	Franklin Energy		
Traverse City		6	Residential Pilot Programs	2009	Internally		
Light and		1	Prescriptive Incentive	2009	Franklin Energy		
Power		2	Custom Incentive	2009	Franklin Energy		
	C & I	3	Small Business Direct Install	2011	Franklin Energy		
		4	Education Services	2009	Internally		
		5	Pilot Programs	2009	Internally		
		Eval	Evaluation & Verification	2009	KEMA		
		<u>'</u>					
		1	Residential Low Income	2009	Internally		
	Residential	2	Efficient Lighting Program	2009	Internally		
		3	Refrigerator/Freezer Turn-In	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		
		2	Custom Incentive	2009	Franklin Energy		
	C & I	3	Pilot Programs	2009	Internally		
		4	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2009	KEMA		
	<u> </u>	1	Residential Low Income	2009	MCAAA		
		2	Efficient Lighting Program	2009	Internally		
	Residential	3	Refrigerator/Freezer Turn-In	2010	Franklin Energy		
	ivesinei iliai	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	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

Floatric Municipals		1.00%				
Electric Municipals	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
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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	Residential	Residential	C&I	Low Income	Admin &
•	2012	W/O Low Income	W/Low Income			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
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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

			EO Residential
Electric Municipals	Case No.	Administration 2012	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