Energy Optimization 2015 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 2015.

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 2015 and the targets for 2016 are shown in Attachment B for the municipal utilities. The expenditures for 2015 for the Low Income, Residential, Commercial/Industrial programs and Administration/EM&V 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 2015

Residential Low Income Services

All the municipal electric utilities continued to offer low income programs to their customers in 2015.

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

		ENER	GY OPTIMIZATION PROGRAMS AND	CONTR	ACTORS			
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 4	Residential Education Services Residential Appliances & HVAC	2009 2009	Internally Internally			
Clinton		1	Business Services	2009	Internally			
	C & I	2	Education Services	2009	Internally			
		Eval	Evaluation & Verification	2009	Local Police Officer			
		1 1	Residential Low Income	2009	Internally			
		2	Efficient Lighting Program	2009	Internally			
	Residential	3	Appliance Recycling	2009	JACO			
	Residentiai	4	Residential Education Services	2009	Internally			
Coldwater		5 7	Residential Appliances & HVAC Residential Pilot Programs	2009	Internally Internally			
Board of		1	Prescriptive Incentive	2009	Internally			
Public Utilities		2	Custom Incentive	2009	Internally			
	C & I	3	Education Services	2009	Internally			
		4	Pilot Programs	2009	Internally			
		Eval	Evaluation & Verification	2010	E3M Solutions			
		T 1	Residential Low Income	2009	MEO & Internally			
	Residential	2	Efficient Lighting Program	2009	MEOWECC			
		3	Appliance Recycling	2009	MEO/WECC			
		4	Residential Appliances & HVAC	2010	MEO/WECC			
		5 6	Residential Multi-Family In-Unit Efficiency Residential Education Services	2010 2009	MEO/WECC			
Lansing Board		7	Residential Pilot Programs	2009	Internally Internally			
of Water &	C & I	1	Prescriptive Incentive	2009	Franklin Energy			
Light		2	Custom Incentive	2009	Franklin Energy			
		3	Small Business Direct Install	2011	Franklin Energy			
		<u>4</u> 5	Education Services	2009	Internally			
		Eval	Pilot Programs Evaluation & Verification	2010	Internally DNV-GL			
		Lvai	Evaluation a verification	2000	DIV OL			
		1	Residential Low Income	2009	Internally			
	Residential	2	Residential Services	2009	Internally			
City of		3	Residential Education Services Prescriptive Incentive	2009 2009	Internally Internally			
Marshall		2	Custom Incentive	2009	Internally			
	C & I	3	I .					
			Education Services	2009	Internally			
		Eval	Evaluation & Verification	2009 2010	Internally Internally			
			Evaluation & Verification	2010	Internally			
		Eval 1	Evaluation & Verification Residential Low Income	2010	Internally [Internally			
	Residential	Eval 1 2	Residential Low Income Residential Services	2010 2009 2009	Internally Internally Internally			
	Residential	Eval 1	Evaluation & Verification Residential Low Income	2010	Internally [Internally			
	Residential	1 2 3 4 5	Residential Low Income Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC	2010 2009 2009 2009	Internally Internally Internally Internally			
Sebewaing	Residential	1 2 3 4 5 1	Residential Low Income Residential Services Residential Education Services Residential Filot Residential Appliances & HVAC Prescriptive Incentive	2010 2009 2009 2009 2010 2010 2009	Internally Internally Internally Internally Internally Internally Internally Internally			
Sebewaing -		1 2 3 4 5 1 2	Residential Low Income Residential Services Residential Education Services Residential Fulot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive	2010 2009 2009 2009 2010 2010 2009 2009	Internally			
Sebewaing -	Residential	1 2 3 4 5 1 2 2 3 3	Residential Low Income Residential Services Residential Education Services Residential Fulot Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services	2010 2009 2009 2009 2010 2010 2010 2009 2009 2009	Internally			
Sebewaing -		1 2 3 4 5 1 2	Residential Low Income Residential Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs	2010 2009 2009 2009 2010 2010 2009 2009	Internally			
Sebewaing		1 2 3 4 5 1 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Residential Low Income Residential Services Residential Education Services Residential Fulot Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services	2010 2009 2009 2009 2010 2010 2010 2009 2009 2009	Internally			
Sebewaing ·	C & I	Eval 1 2 3 4 5 5 1 2 3 4 Eval 1	Residential Low Income Residential Services Residential Education Services Residential Education Services Residential Pilot Residential Appliances & HVAC Prescriptive Incentive Custom Incentive Education Services Pilot Programs Evaluation & Verification Residential Low Income	2010 2009 2009 2010 2010 2010 2009 2009 2009 2010 2009 2010 2009	Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally			
Sebewaing -		Eval 1 2 3 4 5 5 1 2 3 4 Eval 1 2	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2010 2009 2009 2009 2010 2009 2009 2009	Internally			
	C & I	Eval 1 2 3 4 Eval 1 2 3 4 Eval 2 3 3 4 Eval 2 3 3 4 Eval 2 3 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2009 2009 2009 2009 2009 2009 2009	Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally Internally			
Union City	C & I Residential	Eval 1 2 3 4 5 5 1 2 3 4 Eval 1 2	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2010 2009 2009 2009 2010 2009 2009 2009	Internally			
Union City Electric	C & I	Eval 1 2 3 4 5 1 2 3 4 Eval	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2010 2010 2010 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009	Internally			
Union City Electric	C & I Residential	1	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2010 2010 2010 2010 2009 2009	Internally Internally			
Union City Electric	C & I Residential C&I	1	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 2010 2010 2010 2010 2009 2009	Internally			
Union City Electric Department	C & I Residential	1	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 Education Services Prescriptive Incentive Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Services	2010 2009 2009 2010 2010 2010 2010 2009 2009	Internally			
Union City Electric Department City of	C & I Residential C&I	1	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 Evaluation & Verification	2010 2009 2009 2010 2010 2010 2010 2009 2009	Internally Internally			
Union City Electric Department	C & I Residential C&I	1	Residential Low Income Residential Services Residential Education Services Residential Education Services 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 Education Services Prescriptive Incentive Education Services Prescriptive Incentive Program Education Services Evaluation & Verification Residential Low Income Residential Low Income Residential Services	2010 2009 2009 2010 2010 2010 2010 2009 2009	Internally			

Utility	Sector		Program Type		Implementation Contractors	
'		- Fire	Evaluation & Verification	2010	latera elle	
		Eval 2	Energy Star Products	2009	Internally WECC	
		3	Appliance Recycling	2009	WECC	
	Residential	4	Efficient HVAC	2009	WECC	
Гасальна	Residential	5	Audit & Weatherization / New Construction	2009	WECC	
Escanaba		6	Education Services	2009	WECC	
Electric		7	Pilot Programs	2009	WECC	
Department		1	General Business Services	2009	WECC	
		2	Education Services	2009	WECC	
	C & I	3	Pilot Programs	2009	WECC	
		Eval	Evaluation & Verification	2009	DNV-GL	
			_ raidaion a roimeaton	2000	J 02	
I		1	Residential Low Income	2009	IWECC	
		2	Energy Star Products	2009	WECC	
		3	Appliance Recycling	2009	WECC	
	Residential	4	Efficient HVAC	2009	WECC	
Marquette	Residential	5	Audit & Weatherization / New Construction	2009	WECC	
Board of Light		6	Education Services	2009	WECC	
& Power		7	Pilot Programs	2009	WECC	
& Power		1	General Business Services	2009	WECC	
		2	Education Services	2009	WECC	
	C&I	3	Pilot Programs	2009	WECC	
		Eval	Evaluation & Verification	2009	DNV-GL	
		1	Residential Low Income	2009	WECC	
		2	Energy Star Products	2009	WECC	
		3	Appliance Recycling	2009	WECC	
	Desidential	4	Efficient HVAC	2009	WECC	
	Residential	5	Audit & Weatherization / New Construction	2009	WECC	
Newberry		6	Farm Services	2012	WECC	
Water & Light		7	Education Services	2009	WECC	
Board		8	Pilot Programs	2009	WECC	
		1	General Business Services	2009	WECC	
	C&I	2	Education Services	2009	WECC	
	Cai	3	Pilot Programs	2009	WECC	
		Eval	Evaluation & Verification	2009	DNV-GL	
l		1	Residential Low Income	2009	WECC	
l		2	Energy Star Products	2009	WECC	
l		3	Appliance Recycling	2009	WECC	
l	Residential	4	Efficient HVAC	2009	WECC	
		5	Audit & Weatherization / New Construction	2009	WECC	
City of		6	Education Services	2009	WECC	
Stephenson		7	Pilot Programs	2009	WECC	
		1	General Business Services	2009	WECC	
	0.01		Education Comicae	0000	WEGG	
l	C & I	2	Education Services	2009	WECC	
l		3	Pilot Programs	2009	WECC	
		Eval	Evaluation & Verification	2009	DNV-GL	

1		$\overline{}$	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
		4	Residential Education Services	2009	Internally
	Residential	5	Residential Appliances & HVAC	2010	Internally
		6	Residential Home Energy Programs	2010	Internally
Bay City		7	Electric Water Heater Saving Kits	2010	Internally
Electric 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
		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
Onanovoix		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	0 4.	4	Education Services	2009	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
	Residential	1	Residential Low Income	2009	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
		4	Residential Education Services	2009	Franklin Energy (2015)
Chelsea		6	Residential Appliances & HVAC	2010	Franklin Energy
		7	Residential Pilot Programs	2010	Franklin Energy (2015)
Electric		1	Prescriptive Incentive	2009	Franklin Energy
Department		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	Cai	4	Education Services	2009	Franklin Energy (2015)
		5	Pilot Programs	2010	Franklin Energy (2015)
		Eval	Evaluation & Verification	2009	DNV-GL
			IDesidential Law Income	2000	Lateraelli
		1	Residential Low Income	2009	Internally
		2	Efficient Lighting	2009	Internally
	Residential	3	Appliance Recycling Efficient Appliances & HVAC	2009	Franklin Energy Franklin Energy
		5	Residential Pilot Programs	2009	Internally
Croswell Light		6	Educational Services	2009	Internally
& Power		1	Prescriptive Incentive	2009	
2.000		1			Franklin Energy
	0.01	3	Custom Incentive Small Business Direct Install	2009 2011	Franklin Energy
	C & I	4	Education Services	2011	Franklin Energy Internally
		Eval	Evaluation & Verification	2009	DNV-GL
		= Val	L valdation a volitication	2003	DITT OF
T		1 1	Residential Low Income	2009	Franklin Energy (2015)
Т		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
			Residential Education Services	2009	Franklin Energy (2015)
	Residential	4			
	Residential	4 5		2010	Franklin Energy (2015)
	Residential	5	Residential Pilot Programs	2010 2010	Franklin Energy (2015)
City of Eaton	Residential	5 6	Residential Pilot Programs Residential Appliances & HVAC	2010	Franklin Energy
City of Eaton Rapids	Residential	5 6 7	Residential Pilot Programs Residential Appliances & HVAC Residential Home Energy Program	2010 2012	Franklin Energy Franklin Energy (2015)
	Residential	5 6 7 1	Residential Pilot Programs Residential Appliances & HVAC Residential Home Energy Program Prescriptive Incentive	2010 2012 2009	Franklin Energy Franklin Energy (2015) Franklin Energy
	Residential	5 6 7 1 2	Residential Pilot Programs Residential Appliances & HVAC Residential Home Energy Program Prescriptive Incentive Custom Incentive	2010 2012 2009 2009	Franklin Energy Franklin Energy (2015) Franklin Energy Franklin Energy
	Residential C & I	5 6 7 1 2 3	Residential Pilot Programs Residential Appliances & HVAC Residential Home Energy Program Prescriptive Incentive Custom Incentive Small Business Direct Install	2010 2012 2009 2009 2011	Franklin Energy Franklin Energy (2015) Franklin Energy Franklin Energy Franklin Energy
City of Eaton Rapids		5 6 7 1 2	Residential Pilot Programs Residential Appliances & HVAC Residential Home Energy Program Prescriptive Incentive Custom Incentive	2010 2012 2009 2009	Franklin Energy Franklin Energy (2015) Franklin Energy Franklin Energy

			MPPA Collaborative (continu	ea)	
Utility	Sector		Program Type	Year Imp.	Implementation Contractors
		1	Residential Low Income	2009	MCAAA
		2	Efficient Lighting Program	2009	Franklin Energy
		3	Appliance Recycling	2009	Franklin Energy
	Residential	4	Residential Education Services	2009	Internally
	Residential	5	Residential Home Energy Program	2012	Internally
0		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
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	OWI	4	Education Services	2009	Internally
		5	Pilot Programs Evaluation & Verification	2010	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
ı		T 1	Residential Low Income	2010	Franklin Energy (2015)
		2	Efficient Lighting Program	2009	Franklin Energy
	Residential	3	Appliance Recycling	2009	Franklin Energy
	Nesidelitidi	4	Residential Education Services	2009	Franklin Energy (2015)
City of Hart		5	Residential Appliances & HVAC	2010	Franklin Energy
Hydro Electric		1	Prescriptive Incentive	2009	Franklin Energy
nyuro Electric		2	Custom Incentive	2009	Franklin Energy
	C & I	3	Small Business Direct Install	2011	Franklin Energy
	Cai	4	Education Services	2009	Internally
		Eval	Evaluation & Verification	2009	DNV-GL
					Lakeshore Habitat for Humanity, Community
	Residential	1	Residential Low Income	2009	Action House, Salvation Army
		2	Efficient Lighting Program	2009	Internally
		3	Appliance Recycling	2009	JACO Environmental, PADNOS
		4	Residential Education Services	2009	Internally
		5	Residential Appliances & HVAC	2009	Internally & Franklin Energy
		6	Home Energy	2012	Internally
Holland Board		7	H20 Kits	2012	Internally
of Public		8	Residential Multi-Family In-Unit Efficiency	2009	Internally
Works		9	Residential Pilot Programs	2009	Internally, Ottawa Co. Com. Action Agency
		1	Prescriptive Incentive	2009	Internally (2015)
		2	Custom Incentive	2009	Internally (2015)
				0044	Unternally (2045)
		3	Small Business Direct Install	2011	Internally (2015)
	C & I		Small Business Direct Install Education Services	2011	Internally (2015)
	C & I	3	Education Services		
	C & I	3 4		2009	Internally
	C & I	3 4 5	Education Services Pilot Programs	2009 2009	Internally Internally
	C & I	3 4 5 Eval	Education Services Pilot Programs Evaluation & Verification	2009 2009 2009	Internally Internally DNV-GL
		3 4 5 Eval	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling	2009 2009 2009 2009 2009 2009	Internally Internally DNV-GL Internally
	C & I	3 4 5 Eval 1 2	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services	2009 2009 2009 2009 2009	Internally Internally DNV-GL Internally Internally
		3 4 5 Eval 1 2 3	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2009 2009 2009	Internally Internally DNV-GL Internally Internally Internally Franklin Energy
Lowell Light		3 4 5 Eval 1 2 3 4	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services	2009 2009 2009 2009 2009 2009 2009	Internally Internally DNV-GL Internally Internally Franklin Energy Internally
Lowell Light		3 4 5 Eval 1 2 3 4 5	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2009 2009 2009 2009 2010	Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy
Lowell Light and Power		3 4 5 Eval 1 2 3 4 5 6	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive	2009 2009 2009 2009 2009 2009 2009 2010 2009	Internally Internally DNV-GL Internally Internally Franklin Energy
	Residential	3 4 5 Eval 1 2 3 4 5 6	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy
		3 4 5 Eval 1 2 3 4 5 6 1 2 3 4	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internallin Energy Internally
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally Internally DNV-GL
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 6 5 Eval 1 5 6 1 2 3 5 6 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7 1 7	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Internally Internally Internally Internally DNV-GL Franklin Energy (2015)
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 5 Eval 1 2 5 6 1 2 3 4 5 5 6 1 1 2 1 2 1 2 1 3 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program	2009 2009 2009 2009 2009 2009 2009 2010 2009 2011 2009 2011 2009 2009	Internally Internally Internally DNV-GL Internally Internally Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally DNV-GL Franklin Energy (2015) Franklin Energy
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 5 Eval 1 2 3 4 5 5 Eval 1 2 3 4 5 5 5 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally DNV-GL Franklin Energy (2015) Franklin Energy Franklin Energy
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 Eval 1 2 3 4 5 6 5 Eval 1 2 3 4 5 5 6 6 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program	2009 2009 2009 2009 2009 2009 2009 2010 2009 2011 2009 2011 2009 2009	Internally Internally Internally DNV-GL Internally Internally Internally Franklin Energy Franklin Energy Internally Internally DNV-GL Franklin Energy (2015) Franklin Energy
and Power	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 5 Eval 1 2 3 4 5 5 Eval 1 2 3 4 5 5 5 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling	2009 2009 2009 2009 2009 2009 2009 2010 2009 2011 2009 2009	Internally Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally Internally DNV-GL Franklin Energy (2015) Franklin Energy Franklin Energy Franklin Energy
and Power	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 Eval 1 2 3 4 5 6 5 Eval 1 2 3 4 5 5 6 6 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services	2009 2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally DNV-GL Franklin Energy (2015) Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy
	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 5 6 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC	2009 2009 2009 2009 2009 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Internally Internally Internally Internally Internally Internally Franklin Energy Internally Franklin Energy (2015) Franklin Energy
and Power	Residential C & I Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2 2 3 4 5 5 Eval 1 2 2 3 4 5 5 5 1 1 2 1 2 1 2 1 2 1 1 2 1 1 1 1 1	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Prescriptive Incentive	2009 2009 2009 2009 2009 2009 2010 2010	Internally Internally Internally DNV-GL Internally Internally Internally Franklin Energy Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally Internally Internally Franklin Energy
and Power	Residential	3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 Eval 1 2 3 4 5 6 1 2 3 4 5 5 Eval 1 2 3 4 5 5 5 1 1 2 1 2 3 4 5 5 5 5 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Appliances & HVAC Residential Pilot Programs Prescriptive Incentive Custom Incentive Small Business Direct Install Education Services Pilot Programs Evaluation & Verification Residential Low Income Efficient Lighting Program Appliance Recycling Residential Education Services Residential Education Services Residential Appliances & HVAC Prescriptive Incentive Custom Incentive	2009 2009 2009 2009 2009 2009 2010 2009 2010 2009 2011 2009 2010 2009 2010 2009 2009	Internally Internally Internally DNV-GL Internally Internally Internally Internally Franklin Energy Internally Franklin Energy Franklin Energy Franklin Energy Franklin Energy Franklin Energy Internally Internally Internally Internally Internally Franklin Energy

		1	MPPA Collaborative (continu	<u> </u>	1	
Utility Sector			Program Type	Year Imp.	Implementation Contractors	
		1 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)	
Village 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	
T		1 1	Desidential Low Income	2000	I Franklin Energy (2015)	
		1	Residential Low Income	2009	Franklin Energy (2015)	
		3	Efficient Lighting Program Appliance Recycling	2009	Franklin Energy Franklin Energy	
	Residential	4	Residential Education Services	2009	Franklin Energy Franklin Energy (2015)	
		5	Residential Appliances & HVAC	2009	Franklin Energy	
Oite (6	Pilot Programs	2010	Franklin Energy (2015)	
City of		1	Prescriptive Incentive	2009	Franklin Energy	
Petoskey		2	Custom Incentive	2009	Franklin Energy	
		3	Small Business Direct Install	2011	Franklin Energy	
	C & I	4	Education Services	2009	Franklin Energy (2015)	
		5	Pilot Programs	2010	Franklin Energy (2015)	
		Eval	Evaluation & Verification	2009	DNV-GL	
·						
	Residential	1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
		3	Appliance Recycling	2009	Franklin Energy	
Portland Light		4	Residential Education Services	2009	Franklin Energy (2015)	
and Power		5	Residential Appliances & HVAC	2010	Franklin Energy	
Board		1	Prescriptive Incentive	2009	Franklin Energy	
Боаго		2	Custom Incentive	2009	Franklin Energy	
	C & I	3	Small Business Direct Install Education Services	2011	Franklin Energy Franklin Energy (2015)	
			Evaluation & Verification	2009	DNV-GL	
		Eval	Evaluation & verification	2009	DNV-GL	
		1 1	Residential Low Income	2009	Franklin Energy (2015)	
		2	Efficient Lighting Program	2009	Franklin Energy	
		3	Appliance Recycling	2009	Franklin Energy	
	Residential	4	Residential Education Services	2009	Franklin Energy (2015)	
		5	Residential Appliances & HVAC	2010	Franklin Energy	
City of St.		6	Residential Pilot Programs	2010	Internally	
Louis		1	Prescriptive Incentive	2009	Franklin Energy	
20010		2	Custom Incentive	2009		
	0 0 1	3	Small Business Direct Install	2011	Franklin Energy	
	C & I	4	Education Services	2009	Franklin Energy (2015)	
		5	Pilot Programs	2010	Internally	
		Eval	Evaluation & Verification	2009	DNV-GL	
		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)	
<u> </u>		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	
		4	Pilot Programs	2010	Internally	
		5	Education Services	2009	Franklin Energy (2015)	

MPPA Collaborative (continued)							
Utility	Sector		Program Type	Year Imp.	Implementation Contractors		
		1	Residential Low Income	2009	Internally		
		2	Efficient Lighting Program	2009	Internally		
	D	3	Appliance Recycling	2009	Internally		
	Residential	4	Residential Education Services	2009	Internally		
		5	Residential Appliances & HVAC	2009	Internally & Franklin Energy		
Traverse City		6	Residential Pilot Programs	2009	Internally & Franklin Energy (2015)		
Light and		1	Prescriptive Incentive	2009	Franklin Energy		
Power		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	DNV-GL		
	Residential	1	Residential Low Income	2009	Internally		
		2	Efficient Lighting Program	2009	Internally		
		3	Appliance Recycling	2009	Franklin Energy		
		4	Residential Education Services	2009	Internally		
Wyandotte		5	Residential Pilot Programs	2009	Internally		
Municipal		6	Residential Appliances & HVAC	2010	Franklin Energy		
Services		1	Prescriptive Incentive	2009	Franklin Energy		
		2	Custom Incentive	2009	Franklin Energy		
	C & I	3	Pilot Programs	2009	Internally		
		4	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2009	DNV-GL		
		1 1	Residential Low Income	2009	Franklin Energy (2015)		
		2	Efficient Lighting Program	2009	Franklin Energy		
		3	Appliance Recycling	2010	Franklin Energy		
	Residential	4	Residential Education Services	2009	Internally		
Zaaland Dassil		5	Residential Appliances & HVAC	2010	Franklin Energy		
Zeeland Board		6	Residential Pilot Programs	2009	Internally		
of Public		1	Prescriptive Incentive	2009	Franklin Energy		
Works		2	Custom Incentive	2009	Franklin Energy		
	C & I	3	Small Business Direct Install	2011	Franklin Energy		
	Οαī	4	Education Services	2009	Internally		
		Eval	Evaluation & Verification	2010	DNV-GL		

MWh Data

Clastria Municipale		1.00%		
Electric Municipals	2015 Target	2015 Actual	% Achieved	2016 Target
Bay City Electric Light & Power	3,058	3,937	129%	2,407
City of Charlevoix	405	602	149%	416
Chelsea Electric Department	874	889	102%	946
Village of Clinton	210	235	112%	191
Coldwater Board of Public Utilities	2,858	3,694	129%	3,385
Croswell Light & Power Department	336	327	97%	364
City of Eaton Rapids	239	194	81%	591
Escanaba Electric Department	1,419	1,499	106%	1,397
Grand Haven Board of Light and Power	2,160	2,993	139%	1,903
City of Hart Hydro Electric	276	339	123%	371
Holland Board of Public Works	10,173	12,865	126%	8,153
Lansing Board of Water & Light	20,521	30,150	147%	16,469
Lowell Light and Power	675	827	122%	534
Marquette Board of Light and Power	3,070	3,185	104%	3,016
City of Marshall Electric Department	1,039	859	83%	1,050
Newberry Water & Light Board	199	243	122%	175
Niles Utilities Department	1,223	1,281	104%	1,258
Village of Paw Paw	22	463	2102%	49
City of Petoskey	1,114	1,308	117%	924
Portland Light and Power Board	343	563	164%	142
Sebewaing Light & Water Dept.	223	714	321%	228
City of St. Louis	389	504	129%	261
City of Stephenson	59	92	156%	61
City of Sturgis	1,750	2,073	118%	1,955
Traverse City Light & Power	2,802	2,733	98%	3,387
Union City	149	176	118%	130
City of Wakefield	130	61	47%	130
Wyandotte Municipal Services	1,607	1,698	106%	1,800
Zeeland Board of Public Works	2,438	3,410	140%	2,191

Actual 2015 Expenditures

Floatric Municipals	Total	Residential	Residential	C&I	Low Income	Admin &
Electric Municipals	2015	W/O Low Income	W/Low Income			Eval
Bay City Electric Light & Power	\$700,192	\$360,878	\$460,758	\$225,513	\$99,880	\$13,921
City of Charlevoix	\$94,145	\$36,561	\$42,777	\$46,818	\$6,216	\$4,550
Chelsea Electric Department	\$127,311	\$21,378	\$26,781	\$94,755	\$5,403	\$5,775
Village of Clinton	\$16,245	\$8,057	\$8,225	\$5,720	\$198	\$2,300
Coldwater Board of Public Utilities	\$265,514	\$28,694	\$36,964	\$161,480	\$8,270	\$67,070
Croswell Light & Power Department	\$38,081	\$544	\$604	\$33,938	\$60	\$3,539
City of Eaton Rapids	\$58,887	\$24,103	\$31,568	\$22,755	\$7,465	\$4,564
Escanaba Electric Department	\$265,300	\$72,912	\$82,053	\$178,382	\$9,141	\$4,865
Grand Haven Board of Light and Power	\$376,155	\$121,226	\$134,226	\$229,216	\$13,000	\$12,713
City of Hart Hydro Electric	\$51,966	\$12,624	\$16,938	\$31,213	\$4,314	\$3,815
Holland Board of Public Works	\$1,072,065	\$223,449	\$301,305	\$736,834	\$77,856	\$33,926
Lansing Board of Water & Light	\$3,878,490	\$951,283	\$1,199,892	\$2,209,876	\$248,609	\$468,722
Lowell Light and Power	\$74,326	\$8,795	\$9,772	\$59,381	\$977	\$5,173
Marquette Board of Light and Power	\$500,865	\$175,197	\$192,400	\$297,708	\$17,203	\$10,757
City of Marshall Electric Department	\$74,853	\$26,202	\$27,842	\$35,117	\$1,640	\$11,895
Newberry Water & Light Board	\$32,887	\$18,955	\$20,045	\$10,999	\$1,090	\$1,843
Niles Utilities Department	\$190,805	\$57,185	\$71,319	\$112,171	\$14,134	\$7,315
Village of Paw Paw	\$70,204	\$18,024	\$24,960	\$41,275	\$6,936	\$3,969
City of Petoskey	\$174,399	\$33,899	\$48,165	\$119,748	\$14,266	\$6,486
Portland Light and Power Board	\$65,519	\$31,429	\$34,602	\$27,261	\$3,173	\$3,656
Sebewaing Light & Water Dept.	\$61,591	\$9,994	\$12,324	\$43,867	\$2,330	\$5,400
City of St. Louis	\$60,509	\$16,313	\$21,830	\$34,604	\$5,517	\$4,075
City of Stephenson	\$8,738	\$3,501	\$3,788	\$4,374	\$287	\$576
City of Sturgis	\$332,581	\$81,531	\$98,311	\$222,999	\$16,780	\$11,271
Traverse City Light & Power	\$387,710	\$105,578	\$117,578	\$263,435	\$12,000	\$6,697
Union City	\$25,187	\$9,422	\$9,650	\$14,937	\$228	\$600
City of Wakefield	\$19,062	\$310	\$10,310	\$7,030	\$10,000	\$1,721
Wyandotte Municipal Services	\$346,202	\$155,224	\$172,224	\$163,797	\$17,000	\$10,181
Zeeland Board of Public Works	\$392,449	\$79,842	\$94,950	\$286,109	\$15,108	\$11,390

Energy Optimization Administration and Residential Surcharges for 2015							
Electric Municipals	Docket No.	Administration	EO Residential Surcharge per				
Liectric Municipals	Docket No.	2015	\$/kWh or Per				
			Meter				
Bay City Electric Light & Power	U-17382	MPPA	0.000825				
City of Charlevoix	U-17383	MPPA	\$0.00178				
Chelsea Electric Department	U-17384	MPPA	\$0.00100				
Village of Clinton	U-17385	Independently	\$0.00000				
Coldwater Board of Public Utilities	U-17386	Independently	\$0.00252				
Croswell Light & Power Department	U-17387	MPPA	\$0.00169				
City of Eaton Rapids	U-17392	MPPA	\$0.00080				
Escanaba Electric Department	U-17393	MECA	\$0.00216				
Grand Haven Board of Light and Power	U-17395	MPPA	\$0.00180				
City of Hart Hydro Electric	U-17397	MPPA	\$0.00130				
Holland Board of Public Works	U-17399	MPPA	\$0.00166				
Lansing Board of Water & Light	U-17401	Independently	\$0.00185				
Lowell Light and Power	U-17402	MPPA	\$0.00163				
Marquette Board of Light and Power	U-17403	MECA	\$0.00171				
City of Marshall Electric Department	U-17404	Independently	\$0.00000				
Newberry Water & Light Board	U-17406	MECA	\$0.00137				
Niles Utilities Department	U-17407	MPPA	\$0.00000				
Village of Paw Paw	U-17409	MPPA	\$0.00120				
City of Petoskey	U-17410	MPPA	\$0.00182				
Portland Light and Power Board	U-17411	MPPA	\$0.00132				
Sebewaing Light & Water Dept.	U-17412	Independently	\$0.00174				
City of St. Louis	U-17414	MPPA	\$0.00114				
City of Stephenson	U-17415	MECA	\$0.00128				
City of Sturgis	U-17416	MPPA	\$0.00191				
Traverse City Light & Power	U-17417	MPPA	\$0.00000				
Union City	U-17418	Independently	\$0.00090				
City of Wakefield	U-17419	Independently	\$0.00170				
Wyandotte Municipal Services	U-17420	MPPA	\$0.00197				
Zeeland Board of Public Works	U-17421	MPPA	\$1.00 Per Meter				