

**STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION**

MMEA is Michigan's trade association of municipally owned electric utilities. As units of local government, municipal electric systems are non-profit, community owned and operated, and regulated directly by the city and customers they serve. In 2012, MMEA's members (Applicants) accounted for approximately 7.5% of all Michigan retail sales and served over 300,000 customers. Municipal utilities are small with confined service territories, and customer concentration and budgets for Energy Optimization (EO) programs can be very limited.

MMEA is requesting to exercise the option to file joint EO biennial plans for the years 2016-2017 as allowed under docket number U-17008 approved by the MPSC on April 17, 2012.

Based on conversations with MPSC staff, filing joint biennials will be acceptable if they are accompanied with updates from the last biennial filing in 2013. There have been two major plan updates since the 2013 biennial filing: Administrative Changes under U-17008 approved by the MPSC April 12, 2012 and the Market Transformation Multiplier for LED technologies, heat pumps and heat pump water heaters which MPSC found in compliance with PA 295 in March of 2014. Updates for both those filings are as follows.

Applicants request to continue operating under the current Commission-approved plans, with no changes at this time, through 2016 and 2017. The EO portfolio summary which details program budget and goals for 2016 and 2017 for each municipal utility can be found in Attachment A.

Administrative Changes under U-17008

On April 17, 2012 the MPSC issued an order U-17008 that allowed the MMEA members certain administrative changes in the way the Municipal Utilities (MUs) will be permitted to design and administer the energy optimization plans required under 2008 PA 295 (Act 295); MCL 460.1001 *et seq.*, in the future. The benefits of these administrative changes since this order was issued are outlined below.

A. Beginning with the 2011 annual reports due on May 31, 2012 and for all future annual reports thereafter, MUs shall be authorized to file individually or jointly in a combined energy optimization annual report format as provided in this order.

- Since 2011, the MUs have filed a joint annual report and this has resulted in time and cost-savings while providing consistent reporting data to the Michigan Public Service Commission (MPSC).

B. Beginning with the 2013 biennial energy optimization plans, MUs shall be authorized to have the option of filing either an individual or a joint energy optimization plan as provided in this order.

- MMEA is filing this joint biennial plan in 2015 for the years 2016 and 2017. This filing will continue to use the plans that were approved for the year 2015 in the biennial filing approved by the MPSC on November 12, 2013.

C. MUs shall be authorized to reallocate expenditures budgeted for a specific program offering within a customer class to successful programs in another customer class when the municipal utility's experience shows that the market in that customer class is not responding to energy optimization program offerings and the change is reasonable and cost effective as provided in this order.

- This benefits MUs by allowing the transfer of funds from one program to another that is performing well. One example is Bay City Electric Light & Power (BCELP). The utility's efficient lighting program experienced high participation and they were able to keep meeting customer demand by reallocating funds from a less successful program. Another MU, the Lansing Board of Water & Light (BWL) had low participation in a Residential Multifamily New Construction Pilot Program so funds were reallocated to the utility's high performing Business Custom Program. Holland Board of Public Works (BPW) and Traverse City Light & Power (TCLP) have also transferred funds between programs.
- Allowing the member utilities to reallocate expenditures within a customer class has allowed active programs to receive additional funding when it becomes evident that the budget for a less successful program will not be spent. This allows customers to continue participating in popular and effective EO programs and ensures that these programs will not be shut down partway through a program year.

D. MUs are authorized to limit the third party evaluations performed for certification purposes to the certification of a municipal utility's gross kilowatt-hour savings as provided in this order.

- This benefits MUs due to the limited funding available to invest in independent third party evaluations of incremental savings.

E. MUs shall be authorized to include savings resulting from load management programs that reduce overall energy usage and that allow for the transfer of renewable energy credits as provided in this order.

- At this time no MU is participating in this option.

F. MUs shall be authorized to calculate net energy savings towards the kilowatt-hour goals found in MCL 460.1077 by including energy savings resulting from a municipal utility customer's participation in an energy optimization heating, ventilation, and air conditioning program or a fuel-switching pilot program that results in the municipal utility customer thereafter undertaking fuel-switching that involves geothermal or air-to-air heat pumps as provided in this order. In addition, a municipal utility shall be authorized to include annual energy savings associated with customers installing solar thermal systems.

- MMEA members continue to evaluate these opportunities.

G. MUs shall be authorized the additional flexibility to allocate savings and budget over a multi-year period up to and including the projected life of the project by allowing their large commercial and industrial customers to implement multi-year projects with significant energy savings and costs as provided in this order if they continue to offer energy optimization programs to all customer classes.

- Several MUs have benefited from the ability to carry forward both savings and budgets into multiple years. Large (C&I) customers factor in the EO incentives when planning for energy efficiency upgrades with large electric savings potential. An example of this is the BWL's

projects with a large industrial customer. For this customer to invest in energy efficiency improvements they must meet certain payback criteria. One project produced savings of over 6 million kilowatt-hours (kWh). If BWL were only allowed to carry over 33%, over 2 million kWh savings would not have been claimed. Another example is Sebewaing Light & Water (SLW), a small rural utility with a large industrial processing plant. This customer implemented a significant Variable Frequency Drive (VFD) project in one year. Unless the associated savings can be carried forward, SLW would not be allowed to claim a significant amount of kWh savings, which could have challenged SLW's ability to meet their goals in future program years.

H. Upon petition by a municipal utility, the Commission may, for good cause, grant up to two extensions for compliance with the electric savings standard established by MCL 460.1077(1)(d) as provided in this order. Upon subsequent petition by a municipal electric provider, at least three months before the expiration of the second extension, the Commission may, for good cause, establish a permanent revised energy efficiency standard of less than 1%.

- At this time no MU is participating in this option. This may become more important as smaller municipal utilities reach market saturation of certain energy efficiency measures.

G. MUs and their governing bodies have sole discretion with respect to the use of volumetric or per-meter energy optimization surcharges as provided by law.

- At this time there is only one municipal utility that has a per-meter charge for residential customers.

Market Transformation Multiplier

On March 10, 2013 MMEA submitted a revised update to the 2014-2015 Energy Optimization Plan. This revision included the use of a market transformation multiplier for LED technology and Residential Heat Pumps and Heat Pump Water Heaters. The MPSC staff reviewed and found this update in compliance with PA 295.

- The market transformation multiplier on LED technologies, mini-split systems, heat pumps and heat pump water heaters began in 2014. Due to the increased savings allowed for these measures, MUs were able to offer higher incentives. In particular, this brought the price of LEDs down and made them more affordable for customers to purchase. Because of the competitive pricing, BCLEP, BWL, BPW and TCLP along with several other MUs have focused on featuring LED technologies prominently in their EO programs. In addition, prices dropped due to the increase in sales and competition. As more retailers and manufacturers wanted to be involved, it drove demand and spurred manufacturers to increase production of LEDs. In summary, retail prices for LEDs dropped in the market as a result of increased competition among manufacturers and retailers due to higher incentives offered.

Attachment A: Bay City Electric Light & Power Energy Optimization Program Portfolio

U-17382

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	273,892	\$98,722	273,892	\$98,722	273,892	\$98,722
Residential Services	3.10	\$0.02	1,122,259	\$228,019	1,122,259	\$228,019	1,122,259	\$228,019
Educational Services	3.70	\$0.01	49,276	\$9,893	49,276	\$9,893	49,276	\$9,893
Pilot Programs	3.70	\$0.01	65,701	\$13,190	65,701	\$13,190	65,701	\$13,190
Subtotal - Residential Solutions	3.10	\$0.02	1,511,128	\$349,823	1,511,128	\$349,823	1,511,128	\$349,823
Business Services	4.40	\$0.01	1,658,955	\$233,840	1,658,955	\$233,840	1,658,955	\$233,840
Educational Services	3.70	\$0.01	49,276	\$9,893	49,276	\$9,893	49,276	\$9,893
Pilot/Emerging Technology Programs	3.70	\$0.01	65,701	\$13,190	65,701	\$13,190	65,701	\$13,190
Subtotal - Business Solutions	4.40	\$0.01	1,773,932	\$256,923	1,773,932	\$256,923	1,773,932	\$256,923
Total Program Portfolio			3,285,060	\$606,746	3,285,060	\$606,746	3,285,060	\$606,746
Utility Administration				\$26,380		\$26,380		\$26,380
Evaluation (EM&V)				\$26,380		\$26,381		\$26,381
Subtotal - Admin/Evaluation				\$52,760		\$52,761		\$52,761
Projected Annual Totals	3.6	\$0.01	3,285,060	\$659,507	3,285,060	\$659,507	3,285,060	\$659,507

Attachment A: City of Charlevoix Energy Optimization Program Portfolio

U-17383

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	19,850	\$6,216	19,850	\$6,216	19,850	\$6,216
Residential Services	3.20	\$0.02	167,471	\$30,984	167,471	\$30,984	167,471	\$30,984
Educational Services	4.10	\$0.01	9,212	\$1,623	9,212	\$1,623	9,212	\$1,623
Pilot Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Residential Solutions	3.20	\$0.01	196,533	\$38,823	196,533	\$38,823	196,533	\$38,823
Business Services	4.30	\$0.01	408,420	\$57,996	408,420	\$57,996	408,420	\$57,996
Educational Services	4.10	\$0.01	9,212	\$1,623	9,212	\$1,623	9,212	\$1,623
Pilot/Emerging Technology Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	417,633	\$59,619	417,633	\$59,619	417,633	\$59,619
Total Program Portfolio			614,166	\$98,442	614,166	\$98,442	614,166	\$98,442
Utility Administration				\$5,409		\$5,409		\$5,409
Evaluation (EM&V)				\$4,327		\$4,327		\$4,327
Subtotal - Admin/Evaluation				\$9,736		\$9,736		\$9,736
Projected Annual Totals	3.7	\$0.01	614,166	\$108,178	614,166	\$108,178	614,166	\$108,178

Attachment A: Chelsea Electric Department Energy Optimization Program Portfolio

U-17384

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	15,061	\$5,403	15,061	\$5,403	15,061	\$5,403
Residential Services	2.50	\$0.02	80,994	\$16,372	80,994	\$16,372	80,994	\$16,372
Educational Services	4.20	\$0.01	14,408	\$2,380	14,408	\$2,380	14,408	\$2,380
Pilot Programs	4.20	\$0.01	24,014	\$3,966	24,014	\$3,966	24,014	\$3,966
Subtotal - Residential Solutions	3.00	\$0.02	134,477	\$28,122	134,477	\$28,122	134,477	\$28,122
Business Services	4.30	\$0.01	787,651	\$111,483	787,651	\$111,483	787,651	\$111,483
Educational Services	4.20	\$0.01	14,408	\$2,380	14,408	\$2,380	14,408	\$2,380
Pilot/Emerging Technology Program	4.20	\$0.01	24,014	\$3,966	24,014	\$3,966	24,014	\$3,966
Subtotal - Business Solutions	4.30	\$0.01	826,073	\$117,829	826,073	\$117,829	826,073	\$117,829
Total Program Portfolio			960,550	\$145,950	960,550	\$145,950	960,550	\$145,950
Utility Administration				\$6,346		\$6,346		\$6,346
Evaluation (EM&V)				\$6,346		\$6,346		\$6,346
Subtotal - Admin/Evaluation				\$12,691		\$12,691		\$12,691
Projected Annual Totals	3.9	\$0.01	960,550	\$158,642	960,550	\$158,642	960,550	\$158,642

Attachment A: Village of Clinton Energy Optimization Program Portfolio

U-17385

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	2,164	\$1,000	2,164	\$1,000	2,164	\$1,000
Efficient Lighting	6.6	\$0.01	97,380	\$12,100	97,380	\$12,100	97,380	\$12,100
Educational Services	2.00	\$0.04	3,246	\$300	3,246	\$300	3,246	\$300
Subtotal - Residential Solutions	2.51	\$0.02	102,790	\$13,400	102,790	\$13,400	102,790	\$13,400
Business Efficient Lighting	4.90	\$0.04	110,365	\$3,300	110,365	\$3,300	110,365	\$3,300
Educational Services	2.00	\$0.04	3,246	\$300	3,246	\$300	3,246	\$300
Subtotal - Business Solutions	3.60	\$0.01	113,611	\$3,600	113,611	\$3,600	113,611	\$3,600
Total Program Portfolio			216,401	\$17,000	216,401	\$17,000	216,401	\$17,000
Program Administration				\$2,000		\$2,000		\$2,000
Evaluation (EM&V)				\$1,000		\$1,000		\$1,000
Subtotal - Admin/Evaluation				\$3,000		\$3,000		\$3,000
Projected Annual Totals	4.2	\$0.02	216,401	\$20,000	216,401	\$20,000	216,401	\$20,000

Attachment A: Coldwater Board of Public Utilities Energy Optimization Program Portfolio

U-17386

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	40,200	\$46,000	40,200	\$46,000	40,200	\$46,000
Efficient Lighting	6.70	\$0.01	494,100	\$107,500	494,100	\$107,500	494,100	\$107,500
Refrigerator/Freezer Recycling	2.90	\$0.03	43,300	\$8,500	43,300	\$8,500	43,300	\$8,500
Efficient Appliances/Electronics	2.50	\$0.06	40,000	\$11,600	40,000	\$11,600	40,000	\$11,600
Efficient HVAC Equipment	3.20	\$0.05	20,400	\$9,600	20,400	\$9,600	20,400	\$9,600
Educational Services	6.70	\$0.04	30,000	\$6,300	30,000	\$6,300	30,000	\$6,300
Pilot/Emerging Technology	2.10	\$0.04	45,000	\$7,800	45,000	\$7,800	45,000	\$7,800
Subtotal - Residential Solutions	N/A	N/A	713,000	\$191,000	713,000	\$191,000	713,000	\$191,000
Prescriptive Incentive Program	4.80	\$0.02	1,472,000	\$210,700	1,472,000	\$210,700	1,472,000	\$210,700
Custom Incentive Program	7.80	\$0.01	574,000	\$85,000	574,000	\$85,000	574,000	\$85,000
Educational Services	2.10	\$0.04	54,000	\$11,400	54,000	\$11,400	54,000	\$11,400
Pilot/Emerging Technology Programs	2.10	\$0.04	45,000	\$7,800	45,000	\$7,800	45,000	\$7,800
Subtotal - Business Solutions	N/A	N/A	2,145,000	\$314,900	2,145,000	\$314,900	2,145,000	\$314,900
Total Program Portfolio			2,858,000	\$505,900	2,858,000	\$505,900	2,858,000	\$505,900
Utility Program Administration				\$61,900		\$61,900		\$61,900
Evaluation (EM&V)				\$4,300		\$4,300		\$4,300
Subtotal - Admin/Evaluation				\$65,200		\$65,200		\$65,200
Projected Annual Totals	4.6	\$0.02	2,858,000	\$570,100	2,858,000	\$570,100	2,858,000	\$570,100

Attachment A: Croswell Light & Power Department Energy Optimization Program Portfolio

U-17387

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	15,195	\$5,523	15,195	\$5,523	15,195	\$5,523
Residential Services	2.70	\$0.02	22,125	\$4,696	22,125	\$4,696	22,125	\$4,696
Educational Services	4.20	\$0.01	5,331	\$888	5,331	\$888	5,331	\$888
Pilot Programs	4.20	\$0.01	10,663	\$1,776	10,663	\$1,776	10,663	\$1,776
Subtotal - Residential Solutions	3.30	\$0.01	53,314	\$12,882	53,314	\$12,882	53,314	\$12,882
Business Services	4.40	\$0.01	296,784	\$40,703	296,784	\$40,703	296,784	\$40,703
Educational Services	4.20	\$0.01	5,331	\$888	5,331	\$888	5,331	\$888
Pilot/Emerging Technology Programs	4.20	\$0.01	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.40	\$0.01	302,115	\$41,591	302,115	\$41,591	302,115	\$41,591
Total Program Portfolio			355,429	\$54,474	355,429	\$54,474	355,429	\$54,473
Utility Administration				\$2,368		\$2,368		\$2,368
Evaluation (EM&V)				\$2,368		\$2,368		\$2,368
Subtotal - Admin/Evaluation				\$4,737		\$4,737		\$4,737
Projected Annual Totals	4.0	\$0.01	355,429	\$59,211	355,429	\$59,211	355,429	\$59,211

Attachment A: City of Eaton Rapids Energy Optimization Program Portfolio

U-17392

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	23,826	\$7,465	23,826	\$7,465	23,826	\$7,465
Residential Services	2.70	\$0.02	107,088	\$24,113	107,088	\$24,113	107,088	\$24,113
Educational Services	3.90	\$0.01	8,182	\$1,500	8,182	\$1,500	8,182	\$1,500
Pilot Programs	3.90	\$0.01	13,637	\$2,500	13,637	\$2,500	13,637	\$2,500
Subtotal - Residential Solutions	2.80	\$0.02	152,733	\$35,578	152,733	\$35,578	152,733	\$35,578
Business Services	4.30	\$0.01	370,924	\$52,434	370,924	\$52,434	370,924	\$52,434
Educational Services	3.90	\$0.01	8,182	\$1,500	8,182	\$1,500	8,182	\$1,500
Pilot/Emerging Technology Programs	3.90	\$0.01	13,637	\$2,500	13,637	\$2,500	13,637	\$2,500
Subtotal - Business Solutions	4.30	\$0.01	392,743	\$56,434	392,743	\$56,434	392,743	\$56,434
Total Program Portfolio			545,476	\$92,012	545,476	\$92,012	545,476	\$92,012
Utility Administration				\$4,000		\$4,000		\$4,000
Evaluation (EM&V)				\$4,000		\$4,000		\$4,000
Subtotal - Admin/Evaluation				\$8,001		\$8,001		\$8,001
Projected Annual Totals	3.7	\$0.01	545,476	\$100,013	545,476	\$100,013	545,476	\$100,013

Attachment A: Escanaba Energy Optimization Program Portfolio

U-17393

Portfolio Category	Program Portfolio			2015		Total - 4 Years		2016		2017	
		USRCT Results	CCE Results	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Residential	Low Income Services	N/A	N/A	18,029	8,520	71,738	33,902	18,029	8,520	18,029	8,520
	ENERGY STAR Products	4.5	0.01	216,946	43,923	863,237	132,742	216,946	43,923	216,946	43,923
	Appliance Recycling	5.8	0.01	69,618	8,013	277,012	31,883	69,618	8,013	69,618	8,013
	Efficient HVAC Equipment	2.1	0.04	7,631	4,789	30,364	19,056	7,631	4,789	7,631	4,789
	Audit/Weatherization/New Construction	5.6	0.01	8,006	769	31,855	3,061	8,006	769	8,006	769
	Farm Services	N/A	N/A	-	-	-	-	-	-	-	-
	Educational Services	3.9	0.02	10,442	2,532	41,550	8,640	10,442	2,532	10,442	2,532
	Pilot Programs	3.9	0.02	17,404	4,219	69,250	14,401	17,404	4,219	17,404	4,219
	Subtotal - Residential Solutions	4.0	0.02	348,075	\$ 72,766	1,385,007	\$ 243,685	348,075	72,766	348,075	72,766
Commercial & Industrial	Self-Direct Customers	N/A	N/A	-	-	-	-	-	-	-	-
	General Business Services	5.9	0.01	985,594	139,357	3,936,942	547,511	985,594	139,357	985,594	139,357
	Educational Services	5.5	0.01	32,139	5,565	128,379	21,748	32,139	5,565	32,139	5,565
	Pilot/Emerging Technology Programs	5.5	0.01	53,565	9,275	213,964	36,247	53,565	9,275	53,565	9,275
	Subtotal - Business Solutions	5.3	0.01	1,071,298	154,197	4,279,285	605,506	1,071,298	154,197	1,071,298	154,197
	Total Program Portfolio			1,419,373	226,963	5,664,292	849,191	1,419,373	226,963	1,419,373	226,963
Portfolio-Level Costs	MECA Overall Administration	N/A	N/A		3,500		14,000	-	3,500	-	3,500
	Cooperative Overhead/Indirect	N/A	N/A		15,665		59,063	-	15,665	-	15,665
	Tracking Systems	N/A	N/A		4,952		19,810	-	4,952	-	4,952
	Evaluation	N/I	N/I		18,798		70,876	-	18,798	-	18,798
		Subtotal - Portfolio Level Costs				42,916		163,749		42,916	
	Projected Annual Totals	5.0	0.01	1,419,373	269,879	5,664,292	1,012,940	1,419,373	269,879	1,419,373	269,879

Attachment A: Grand Haven Board of Light and Power Energy Optimization Program Portfolio

U-17395

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	40,061	\$13,618	40,061	\$13,618	40,061	\$13,618
Residential Services	2.90	\$0.02	630,133	\$122,623	630,133	\$122,623	630,133	\$122,623
Educational Services	4.00	\$0.01	54,710	\$9,761	54,710	\$9,761	54,710	\$9,761
Pilot Programs	4.00	\$0.01	68,387	\$12,201	68,387	\$12,201	68,387	\$12,201
Subtotal - Residential Solutions	3.10	\$0.02	793,291	\$158,203	793,291	\$158,203	793,291	\$158,203
Business Services	4.10	\$0.01	1,846,454	\$273,715	1,846,454	\$273,715	1,846,454	\$273,715
Educational Services	4.00	\$0.01	27,355	\$4,880	27,355	\$4,880	27,355	\$4,880
Pilot/Emerging Technology Programs	4.00	\$0.01	68,387	\$12,201	68,387	\$12,201	68,387	\$12,201
Subtotal - Business Solutions	4.10	\$0.01	1,942,196	\$290,796	1,942,196	\$290,796	1,942,196	\$290,796
Total Program Portfolio			2,735,488	\$448,999	2,735,488	\$448,999	2,735,488	\$448,999
Utility Administration				\$19,522		\$19,522		\$19,522
Evaluation (EM&V)				\$19,522		\$19,522		\$19,522
Subtotal - Admin/Evaluation				\$39,043		\$39,043		\$39,043
Projected Annual Totals	3.6	\$0.01	2,735,488	\$488,042	2,735,488	\$488,042	2,735,488	\$488,042

Attachment A: City of Hart Hydro Electric Energy Optimization Program Portfolio

U-17397

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	11,314	\$4,314	11,314	\$4,314	11,314	\$4,314
Residential Services	2.70	\$0.02	38,481	\$8,294	38,481	\$8,294	38,481	\$8,294
Educational Services	4.20	\$0.01	6,495	\$1,099	6,495	\$1,099	6,495	\$1,099
Pilot Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Residential Solutions	2.90	\$0.02	56,290	\$13,707	56,290	\$13,707	56,290	\$13,707
Business Services	4.30	\$0.01	370,215	\$52,603	370,215	\$52,603	370,215	\$52,603
Educational Services	4.20	\$0.01	6,495	\$1,099	6,495	\$1,099	6,495	\$1,099
Pilot/Emerging Technology Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	376,710	\$53,702	376,710	\$53,702	376,710	\$53,702
Total Program Portfolio			433,000	\$67,410	433,000	\$67,410	433,000	\$67,410
LBWL Program Administration				\$2,931		\$2,931		\$2,931
Evaluation (EM&V)				\$2,931		\$2,931		\$2,931
Subtotal - Admin/Evaluation				\$5,862		\$5,862		\$5,862
Projected Annual Totals	3.9	\$0.01	433,000	\$73,271	433,000	\$73,272	433,000	\$73,271

Attachment A: Holland Board of Public Works Energy Optimization Program Portfolio

U-17399

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	281,062	\$85,824	281,062	\$85,824	281,062	\$85,824
Residential Services	2.80	\$0.02	966,158	\$188,764	966,158	\$188,764	966,158	\$188,764
Educational Services	4.30	\$0.01	162,681	\$26,537	162,681	\$26,537	162,681	\$26,537
Pilot Programs	4.30	\$0.01	271,135	\$44,228	271,135	\$44,228	271,135	\$44,228
Subtotal - Residential Solutions	3.20	\$0.02	1,681,036	\$345,354	1,681,036	\$345,354	1,681,036	\$345,354
Business Services	4.40	\$0.01	8,730,540	\$1,211,461	8,730,540	\$1,211,461	8,730,540	\$1,211,461
Educational Services	4.30	\$0.01	162,681	\$26,537	162,681	\$26,537	162,681	\$26,537
Pilot/Emerging Technology Programs	4.30	\$0.01	271,135	\$44,228	271,135	\$44,228	271,135	\$44,228
Subtotal - Business Solutions	4.40	\$0.01	9,164,355	\$1,282,226	9,164,355	\$1,282,226	9,164,355	\$1,282,226
Total Program Portfolio			10,845,391	\$1,627,580	10,845,391	\$1,627,580	10,845,391	\$1,627,580
Utility Administration				\$70,764		\$70,764		\$70,764
Evaluation (EM&V)				\$70,764		\$70,764		\$70,764
Subtotal - Admin/Evaluation				\$141,529		\$141,529		\$141,529
Projected Annual Totals	4.0	\$0.01	10,845,391	\$1,769,109	10,845,391	\$1,769,109	10,845,391	\$1,769,109

Attachment A: Lansing Board of Water & Light Energy Optimization Program Portfolio

U-17401

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Low Income Services	N/A	N/A	754,691	\$195,000	754,691	\$195,000	754,691	\$195,000
Residential Services	3.01	\$0.02	3,410,377	\$581,919	3,410,377	\$581,919	3,410,377	\$581,919
Multi-family Services	2.45	\$0.02	796,009	\$172,461	796,009	\$172,461	796,009	\$172,461
Educational Services	2.83	\$0.02	434,258	\$80,000	434,258	\$80,000	434,258	\$80,000
Pilot Programs	2.83	\$0.02	759,952	\$140,300	759,952	\$140,300	759,952	\$140,300
Subtotal - Residential Solutions	2.51	\$0.02	6,155,287	\$1,169,680	6,155,287	\$1,169,680	6,155,287	\$1,169,680
Business Services	4.31	\$0.01	15,240,617	\$2,113,973	15,240,617	\$2,113,973	15,240,617	\$2,113,973
Educational Services	2.82	\$0.02	217,129	\$40,000	217,129	\$40,000	217,129	\$40,000
Pilot/Emerging Technology Programs	2.82	\$0.02	868,517	\$158,000	868,517	\$158,000	868,517	\$158,000
Subtotal - Business Solutions	3.60	\$0.01	16,326,263	\$2,311,973	16,326,263	\$2,311,973	16,326,263	\$2,311,973
Total Program Portfolio			22,481,550	\$3,481,653	22,481,550	\$3,481,653	22,481,550	\$3,481,653
LBWL Program Administration				\$320,000		\$320,000		\$320,000
Evaluation (EM&V)				\$210,000		\$210,000		\$210,000
Subtotal - Admin/Evaluation				\$530,000		\$530,000		\$530,000
Projected Annual Totals	3.28	\$0.02	22,481,550	\$4,011,653	22,481,550	\$4,011,653	22,481,550	\$4,011,653

Attachment A: Lowell Light and Power Energy Optimization Program Portfolio

U-17402

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	7,123	\$2,501	7,123	\$2,501	7,123	\$2,501
Residential Services	2.80	\$0.02	136,714	\$30,566	136,714	\$30,566	136,714	\$30,566
Educational Services	3.90	\$0.01	10,274	\$1,887	10,274	\$1,887	10,274	\$1,887
Pilot Programs	3.90	\$0.01	17,124	\$3,145	17,124	\$3,145	17,124	\$3,145
Subtotal - Residential Solutions	3.00	\$0.02	171,235	\$38,099	171,235	\$38,099	171,235	\$38,099
Business Services	4.20	\$0.01	486,309	\$68,193	486,309	\$68,193	486,309	\$68,193
Educational Services	3.90	\$0.01	10,274	\$1,887	10,274	\$1,887	10,274	\$1,887
Pilot/Emerging Technology Programs	3.90	\$0.01	17,124	\$3,145	17,124	\$3,145	17,124	\$3,145
Subtotal - Business Solutions	4.20	\$0.01	513,706	\$73,225	513,706	\$73,225	513,706	\$73,225
Total Program Portfolio			684,942	\$111,325	684,942	\$111,325	684,942	\$111,325
Utility Administration				\$8,805		\$8,805		\$8,805
Evaluation (EM&V)				\$5,661		\$5,661		\$5,661
Subtotal - Admin/Evaluation				\$14,466		\$14,466		\$14,466
Projected Annual Totals	3.6	\$0.02	684,942	\$125,791	684,942	\$125,791	684,942	\$125,791

Attachment A: Marquette Energy Optimization Program Portfolio

U-17403

Portfolio Category	Program Portfolio	USRCT Results	CCE Results	2015		2016		2017	
				Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Residential	Low Income Services	N/A	N/A	42,910	20,279	42,910	20,279	42,910	20,279
	ENERGY STAR Products	4.5	\$ 0.01	653,137	132,236	653,137	132,236	653,137	132,236
	Appliance Recycling	5.8	\$ 0.01	209,592	24,123	209,592	24,123	209,592	24,123
	Efficient HVAC Equipment	2.1	\$ 0.04	22,974	14,418	22,974	14,418	22,974	14,418
	Audit/Weatherization/New Construction	5.6	\$ 0.01	24,102	2,316	24,102	2,316	24,102	2,316
	Farm Services	N/A	N/A	-	-	-	-	-	-
	Educational Services	4.1	\$ 0.02	31,067	7,273	31,067	7,273	31,067	7,273
	Pilot Programs	4.1	\$ 0.02	51,778	12,121	51,778	12,121	51,778	12,121
	Subtotal - Residential Solutions	4.1	\$ 0.02	1,035,560	\$ 212,766	1,035,560	212,766	1,035,560	212,766
Commercial & Industrial	Self-Direct Customers	N/A	N/A	-	-	-	-	-	-
	General Business Services	5.9	\$ 0.01	1,871,704	264,647	1,871,704	264,647	1,871,704	264,647
	Educational Services	5.6	\$ 0.01	61,034	10,382	61,034	10,382	61,034	10,382
	Pilot/Emerging Technology Programs	5.6	\$ 0.01	101,723	17,303	101,723	17,303	101,723	17,303
	Subtotal - Business Solutions	5.4	\$ 0.01	2,034,461	292,332	2,034,461	292,332	2,034,461	292,332
Total Program Portfolio				3,070,020	505,098	3,070,020	505,098	3,070,020	505,098
Portfolio-Level Costs	MECA Overall Administration	N/A	N/A		6,000	-	6,000	-	6,000
	Cooperative Overhead/Indirect	N/A	N/A		30,295	-	30,295	-	30,295
	Tracking Systems	N/A	N/A		10,745	-	10,745	-	10,745
	Evaluation	N/I	N/I		36,354	-	36,354	-	36,354
	Subtotal - Portfolio Level Costs				83,394	-	83,394	-	83,394
Projected Annual Totals		4.9	\$0.01	3,070,020	588,493	3,070,020	588,493	3,070,020	588,493

Attachment A: City of Marshall Energy Optimization Program Portfolio

U-17404

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Low Income Services	N/A	N/A	27,201	\$8,148	27,201	\$8,148	27,201	\$8,148
Residential Services	3.2	\$0.02	158,383	\$32,651	158,383	\$32,651	158,383	\$32,651
Educational Services	4.1	\$0.01	15,907	\$2,549	15,907	\$2,549	15,907	\$2,549
Subtotal - Residential Solutions	3.2	\$0.01	201,492	\$43,348	201,492	\$43,348	201,492	\$43,348
Business Services	4.3	\$0.01	843,084	\$108,737	843,084	\$108,737	843,084	\$108,737
Educational Services	4.1	\$0.01	15,907	\$2,549	15,907	\$2,549	15,907	\$2,549
Subtotal - Business Solutions	4.3	\$0.01	858,991	\$111,286	858,991	\$111,286	858,991	\$111,286
Total Program Portfolio			1,060,483	\$154,633	1,060,483	\$154,633	1,060,483	\$154,633
Program Administration				\$8,496		\$8,496		\$8,496
Evaluation (EM&V)				\$6,797		\$6,797		\$6,797
Subtotal - Admin/Evaluation				\$15,293		\$15,293		\$15,293
Projected Annual Totals	3.7	\$0.01	1,060,483	\$169,927	1,060,483	\$169,927	1,060,483	\$169,927

Attachment A: Newberry Energy Optimization Program Portfolio

U-17406

Portfolio Category	Program Portfolio			2015		2016		2017	
		USRCT Results	CCE Results	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Residential	Low Income Services	N/A	N/A	5,107	2,414	5,107	2,414	5,107	2,414
	ENERGY STAR Products	4.5	\$ 0.01	50,607	10,246	50,607	10,246	50,607	10,246
	Appliance Recycling	6.1	\$ 0.01	18,017	1,971	18,017	1,971	18,017	1,971
	Efficient HVAC Equipment	N/A	N/A	-	-	-	-	-	-
	Audit/Weatherization/New Construction	5.6	\$ 0.01	1,867	179	1,867	179	1,867	179
	Farm Services	4.3	\$ 0.02	2,338	374	2,338	374	2,338	374
	Educational Services	4.1	\$ 0.02	2,541	598	2,541	598	2,541	598
	Pilot Programs	4.1	\$ 0.02	4,236	997	4,236	997	4,236	997
	Subtotal - Residential Solutions	4.2	0.02	84,714	\$ 16,779	84,714	16,779	84,714	16,779
Commercial & Industrial	Self-Direct Customers	N/A	N/A	-	-	-	-	-	-
	General Business Services	5.9	\$ 0.01	105,196	14,874	105,196	14,874	105,196	14,874
	Educational Services	5.2	\$ 0.01	3,430	638	3,430	638	3,430	638
	Pilot/Emerging Technology Programs	5.2	\$ 0.01	5,717	1,063	5,717	1,063	5,717	1,063
	Subtotal - Business Solutions	5.1	\$ 0.01	114,344	16,575	114,344	16,575	114,344	16,575
	Total Program Portfolio			199,058	33,354	199,058	33,354	199,058	33,354
Portfolio-Level Costs	MECA Overall Administration	N/A	N/A		500	-	500	-	500
	Cooperative Overhead/Indirect	N/A	N/A		3,036	-	3,036	-	3,036
	Tracking Systems	N/A	N/A		665	-	665	-	665
	Evaluation	N/I	N/I		3,643	-	3,643	-	3,643
	Subtotal - Portfolio Level Costs				7,844	-	7,844	-	7,844
Projected Annual Totals		4.7	\$ 0.01	199,058	41,198	199,058	41,198	199,058	41,198

Attachment A: Niles Utilities Department Energy Optimization Program Portfolio

U-17407

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	43,445	\$14,134	43,445	\$14,134	43,445	\$14,134
Residential Services	3.20	\$0.02	394,268	\$76,144	394,268	\$76,144	394,268	\$76,144
Educational Services	4.00	\$0.01	19,599	\$3,547	19,599	\$3,547	19,599	\$3,547
Pilot Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Residential Solutions	3.20	\$0.02	457,312	\$93,824	457,312	\$93,824	457,312	\$93,824
Business Services	4.30	\$0.01	829,694	\$117,801	829,694	\$117,801	829,694	\$117,801
Educational Services	4.00	\$0.01	19,599	\$3,547	19,599	\$3,547	19,599	\$3,547
Pilot/Emerging Technology Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	849,293	\$121,348	849,293	\$121,348	849,293	\$121,348
Total Program Portfolio			1,306,605	\$215,172	1,306,605	\$215,172	1,306,605	\$215,172
Utility Administration				\$11,823		\$11,823		\$11,823
Evaluation (EM&V)				\$9,458		\$9,458		\$9,458
Subtotal - Admin/Evaluation				\$21,281		\$21,281		\$21,281
Projected Annual Totals	3.7	\$0.01	1,306,605	\$236,453	1,306,605	\$236,453	1,306,605	\$236,453

Attachment A: Village of Paw Paw Energy Optimization Program Portfolio

U-17409

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	38,955	\$6,936	38,955	\$6,936	38,955	\$6,936
Residential Services	3.00	\$0.02	83,545	\$15,838	83,545	\$15,838	83,545	\$15,838
Educational Services	4.20	\$0.01	7,350	\$1,242	7,350	\$1,242	7,350	\$1,242
Pilot Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Residential Solutions	3.10	\$0.02	129,850	\$24,016	129,850	\$24,016	129,850	\$24,016
Business Services	4.30	\$0.01	352,800	\$50,108	352,800	\$50,108	352,800	\$50,108
Educational Services	4.20	\$0.01	7,350	\$1,242	7,350	\$1,242	7,350	\$1,242
Pilot/Emerging Technology Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	360,150	\$51,350	360,150	\$51,350	360,150	\$51,350
Total Program Portfolio			490,000	\$75,366	490,000	\$75,366	490,000	\$75,366
Utility Administration				\$4,141		\$4,141		\$4,141
Evaluation (EM&V)				\$3,313		\$3,313		\$3,313
Subtotal - Admin/Evaluation				\$7,454		\$7,454		\$7,454
Projected Annual Totals	3.8	\$0.01	490,000	\$82,820	490,000	\$82,820	490,000	\$82,820

Attachment A: City of Petoskey Energy Optimization Program Portfolio

U-17410

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	45,324	\$14,266	45,324	\$14,266	45,324	\$14,266
Residential Services	2.50	\$0.02	101,539	\$23,739	101,539	\$23,739	101,539	\$23,739
Educational Services	4.10	\$0.01	16,946	\$2,934	16,946	\$2,934	16,946	\$2,934
Pilot Programs	4.10	\$0.01	28,243	\$4,890	28,243	\$4,890	28,243	\$4,890
Subtotal - Residential Solutions	2.90	\$0.02	192,051	\$45,829	192,051	\$45,829	192,051	\$45,829
Business Services	4.30	\$0.01	892,473	\$126,290	892,473	\$126,290	892,473	\$126,290
Educational Services	4.10	\$0.01	16,946	\$2,934	16,946	\$2,934	16,946	\$2,934
Pilot/Emerging Technology Programs	4.10	\$0.01	28,243	\$4,890	28,243	\$4,890	28,243	\$4,890
Subtotal - Business Solutions	4.30	\$0.01	937,662	\$134,114	937,662	\$134,114	937,662	\$134,114
Total Program Portfolio			1,129,713	\$179,943	1,129,713	\$179,943	1,129,713	\$179,943
Utility Administration				\$7,824		\$7,824		\$7,824
Evaluation (EM&V)				\$7,824		\$7,824		\$7,824
Subtotal - Admin/Evaluation				\$15,647		\$15,647		\$15,647
Projected Annual Totals	3.9	\$0.01	1,129,713	\$195,590	1,129,713	\$195,590	1,129,713	\$195,590

Attachment A: Portland Light and Power Board Energy Optimization Program Portfolio

U-17411

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	8,926	\$3,173	8,926	\$3,173	8,926	\$3,173
Residential Services	3.00	\$0.02	145,034	\$28,468	145,034	\$28,468	145,034	\$28,468
Educational Services	3.90	\$0.01	5,434	\$1,006	5,434	\$1,006	5,434	\$1,006
Pilot Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Residential Solutions	3.00	\$0.02	159,394	\$32,647	159,394	\$32,647	159,394	\$32,647
Business Services	4.30	\$0.01	197,432	\$28,025	197,432	\$28,025	197,432	\$28,025
Educational Services	3.90	\$0.01	5,434	\$1,006	5,434	\$1,006	5,434	\$1,006
Pilot/Emerging Technology Programs	0.00	\$0.00	-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	202,866	\$29,031	202,866	\$29,031	202,866	\$29,031
Total Program Portfolio			362,260	\$61,677	362,260	\$61,677	362,260	\$61,677
Utility Administration				\$2,682		\$2,682		\$2,682
Evaluation (EM&V)				\$2,682		\$2,682		\$2,682
Subtotal - Admin/Evaluation				\$5,363		\$5,363		\$5,363
Projected Annual Totals	3.5	\$0.01	362,260	\$67,041	362,260	\$67,041	362,260	\$67,041

Attachment A: Sebewaing Light & Water Dept. Energy Optimization Program Portfolio

U-17412

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	21,923	\$6,929	21,923	\$6,929	21,923	\$6,929
Residential Services	2.40	\$0.02	43,806	\$8,743	43,806	\$8,743	43,806	\$8,743
Educational Services	4.00	\$0.01	5,800	\$1,012	5,800	\$1,012	5,800	\$1,012
Pilot Programs	4.00	\$0.01	9,666	\$1,687	9,666	\$1,687	9,666	\$1,687
Subtotal - Residential Solutions	2.80	\$0.02	81,195	\$18,372	81,195	\$18,372	81,195	\$18,372
Business Services	4.30	\$0.01	289,981	\$41,020	289,981	\$41,020	289,981	\$41,020
Educational Services	4.00	\$0.01	5,800	\$1,012	5,800	\$1,012	5,800	\$1,012
Pilot/Emerging Technology Programs	4.00	\$0.01	9,666	\$1,687	9,666	\$1,687	9,666	\$1,687
Subtotal - Business Solutions	4.30	\$0.01	305,447	\$43,719	305,447	\$43,719	305,447	\$43,719
Total Program Portfolio			386,641	\$62,091	386,641	\$62,091	386,641	\$62,091
Utility Administration				\$2,700		\$2,700		\$2,700
Evaluation (EM&V)				\$2,700		\$2,700		\$2,700
Subtotal - Admin/Evaluation				\$5,399		\$5,399		\$5,399
Projected Annual Totals	3.8	\$0.01	386,641	\$67,490	386,641	\$67,490	386,641	\$67,490

Attachment A: St. Louis' Energy Optimization Program Portfolio

U-17414

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	16,430	\$5,517	16,430	\$5,517	16,430	\$5,517
Residential Services	3.20	\$0.01	81,122	\$14,907	81,122	\$14,907	81,122	\$14,907
Educational Services	3.80	\$0.01	5,628	\$1,053	5,628	\$1,053	5,628	\$1,053
Pilot Programs	3.80	\$0.01	5,628	\$1,053	5,628	\$1,053	5,628	\$1,053
Subtotal - Residential Solutions	3.30	\$0.01	108,807	\$22,530	108,807	\$22,530	108,807	\$22,530
Business Services	4.10	\$0.01	253,258	\$38,865	253,258	\$38,865	253,258	\$38,865
Educational Services	3.80	\$0.01	5,628	\$1,053	5,628	\$1,053	5,628	\$1,053
Pilot/Emerging Technology Programs	3.80	\$0.01	7,504	\$1,403	7,504	\$1,403	7,504	\$1,403
Subtotal - Business Solutions	4.10	\$0.01	266,390	\$41,321	266,390	\$41,321	266,390	\$41,321
Total Program Portfolio			375,198	\$63,851	375,198	\$63,851	375,198	\$63,851
Utility Administration				\$2,807		\$2,807		\$2,807
Evaluation (EM&V)				\$3,508		\$3,508		\$3,508
Subtotal - Admin/Evaluation				\$6,315		\$6,315		\$6,315
Projected Annual Totals	3.7	\$0.01	375,198	\$70,167	375,198	\$70,167	375,198	\$70,167

Attachment A: Stephenson Energy Optimization Program Portfolio

U-17415

Portfolio Category	Program Portfolio			2015		2016		2017	
		USRCT Results	CCE Results	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget	Gross First Year kWh Savings	Program Budget
Residential	Low Income Services	N/A	N/A	1,639	775	1,639	775	1,639	775
	ENERGY STAR Products	4.5	\$ 0.01	16,839	3,409	16,839	3,409	16,839	3,409
	Appliance Recycling	6.1	\$ 0.01	5,995	656	5,995	656	5,995	656
	Efficient HVAC Equipment	N/A	N/A	-	-	-	-	-	-
	Audit/Weatherization/New Construction	5.6	\$ 0.01	621	60	621	60	621	60
	Farm Services	N/A	N/A	-	-	-	-	-	-
	Educational Services	4.2	\$ 0.02	818	185	818	185	818	185
	Pilot Programs	4.2	\$ 0.02	1,364	309	1,364	309	1,364	309
	Subtotal - Residential Solutions	4.3	\$ 0.02	27,277	\$ 5,394	27,277	5,394	27,277	5,394
Commercial & Industrial	Self-Direct Customers	N/A	N/A	-	-	-	-	-	-
	General Business Services	5.9	\$ 0.01	28,842	4,078	28,842	4,078	28,842	4,078
	Educational Services	5.4	\$ 0.01	941	165	941	165	941	165
	Pilot/Emerging Technology Programs	5.4	\$ 0.01	1,568	275	1,568	275	1,568	275
	Subtotal - Business Solutions	5.3	\$ 0.01	31,350	4,518	31,350	4,518	31,350	4,518
Total Program Portfolio				58,628	9,912	58,628	9,912	58,628	9,912
Portfolio-Level Costs	MECA Overall Administration	N/A	N/A		100		100		100
	Cooperative Overhead/Indirect	N/A	N/A		661		661		661
	Tracking Systems	N/A	N/A		208		208		208
	Evaluation	N/I	N/I		793		793		793
	Subtotal - Portfolio Level Costs				1,762		1,762		1,762
Projected Annual Totals		4.8	\$0.01	58,628	11,674	58,628	11,674	58,628	11,674

Attachment A: Sturgis' Energy Optimization Program Portfolio

U-17416

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	47,202	\$16,780	47,202	\$16,780	47,202	\$16,780
Residential Services	2.00	\$0.03	237,557	\$78,019	237,557	\$78,019	237,557	\$78,019
Educational Services	3.90	\$0.01	34,171	\$6,251	34,171	\$6,251	34,171	\$6,251
Pilot Programs			-	-	-	-	-	-
Subtotal - Residential Solutions	2.20	\$0.02	318,929	\$101,050	318,929	\$101,050	318,929	\$101,050
Business Services	4.40	\$0.01	1,811,063	\$255,283	1,811,063	\$255,283	1,811,063	\$255,283
Educational Services	3.90	\$0.01	34,171	\$6,251	34,171	\$6,251	34,171	\$6,251
Pilot/Emerging Technology Programs	3.90	\$0.01	113,903	\$20,838	113,903	\$20,838	113,903	\$20,838
Subtotal - Business Solutions	4.30	\$0.01	1,959,137	\$282,372	1,959,137	\$282,372	1,959,137	\$282,372
Total Program Portfolio	3.7	\$0.01	2,278,066	\$383,422	2,278,066	\$383,422	2,278,066	\$383,422
Utility Administration				\$16,671		\$16,671		\$16,671
Evaluation (EM&V)				\$16,671		\$16,671		\$16,671
Subtotal - Admin/Evaluation				\$33,341		\$33,341		\$33,341
Projected Annual Totals	3.7	\$0.01	2,278,066	\$416,764	2,278,066	\$416,764	2,278,066	\$416,764

Attachment A: Traverse City Light and Power Energy Optimization Program Portfolio

U-17417

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	22,827	\$4,648	22,827	\$4,648	22,827	\$4,648
Residential Services	2.60	\$0.02	415,135	\$91,261	415,135	\$91,261	415,135	\$91,261
Educational Services	4.30	\$0.01	49,768	\$8,126	49,768	\$8,126	49,768	\$8,126
Pilot Programs	4.30	\$0.01	82,947	\$13,543	82,947	\$13,543	82,947	\$13,543
Subtotal - Residential Solutions	3.00	\$0.02	570,677	\$117,578	570,677	\$117,578	570,677	\$117,578
Self-Direct Customers								
Business Services	4.30	\$0.01	2,614,499	\$369,961	2,614,499	\$369,961	2,614,499	\$369,961
Educational Services	4.30	\$0.01	49,768	\$8,126	49,768	\$8,126	49,768	\$8,126
Pilot/Emerging Technology Programs	4.30	\$0.01	82,947	\$13,543	82,947	\$13,543	82,947	\$13,543
Subtotal - Business Solutions	4.30	\$0.01	2,747,215	\$391,630	2,747,215	\$391,630	2,747,215	\$391,630
Total Program Portfolio	3.9	\$0.01	3,317,892	\$509,208	3,317,892	\$509,208	3,317,892	\$509,208
Utility Administration				\$21,668		\$21,668		\$21,668
Evaluation (EM&V)				\$10,834		\$10,834		\$10,834
Subtotal - Admin/Evaluation				\$32,503		\$32,503		\$32,503
Projected Annual Totals	3.9	\$0.01	3,317,892	\$541,710	3,317,892	\$541,710	3,317,892	\$541,710

Attachment A: Union City's Energy Optimization Program Portfolio

U-17418

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	2,098	\$1,903	2,098	\$1,903	2,098	\$1,903
Residential Services	3.83	\$0.04	88,816	\$19,329	88,816	\$19,329	88,816	\$19,329
Educational Services	2.00	\$0.04	2,384	\$571	2,384	\$571	2,384	\$571
Subtotal - Residential Solutions			93,298	\$21,803	93,298	\$21,803	93,298	\$21,803
Business Services	4.50	\$0.02	63,258	\$12,252	63,258	\$12,252	63,258	\$12,252
Educational Services	2.00	\$0.04	2,384	\$571	2,384	\$571	2,384	\$571
Subtotal - Business Solutions			65,642	\$12,823	65,642	\$12,823	65,642	\$12,823
Total Program Portfolio	3.9	\$0.025	158,940	\$34,626	158,940	\$34,626	158,940	\$34,626
Utility Administration				\$1,903		\$1,903		\$1,903
Evaluation (EM&V)				\$1,522		\$1,522		\$1,522
Subtotal - Admin/Evaluation				\$3,425		\$3,425		\$3,425
Projected Annual Totals	3.9	\$0.025	158,940	\$38,050	158,940	\$38,050	158,940	\$38,050

Attachment A: Wakefield Power and Light's Energy Optimization Program Portfolio

U-17419

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	3,899	\$2,477	3,899	\$2,477	3,899	\$2,477
Residential Services	4.70	\$0.03	60,439	\$7,533	60,439	\$7,533	60,439	\$7,533
Educational Services	2.10	\$0.04	1,950	\$310	1,950	\$310	1,950	\$310
Subtotal - Residential Solutions			66,288	\$10,320	66,288	\$10,320	66,288	\$10,320
Business Services	6.30	\$0.02	61,739	\$8,152	61,739	\$8,152	61,739	\$8,152
Educational Services	2.10	\$0.04	1,950	\$310	1,950	\$310	1,950	\$310
Subtotal - Business Solutions			63,688	\$8,462	63,688	\$8,462	63,688	\$8,462
Total Program Portfolio	4.6	\$0.02	129,976	\$18,781	129,976	\$18,781	129,976	\$18,781
Utility Administration				\$1,032		\$1,032		\$1,032
Evaluation (EM&V)				\$826		\$826		\$826
Subtotal - Admin/Evaluation				\$1,858		\$1,858		\$1,858
Projected Annual Totals	4.6	\$0.02	129,976	\$20,639	129,976	\$20,639	129,976	\$20,639

Attachment A: Wyandotte's Energy Optimization Program Portfolio

U-17420

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	79,516	\$27,787	79,516	\$27,787	79,516	\$27,787
Residential Services	3.00	\$0.02	617,268	\$126,887	617,268	\$126,887	617,268	\$126,887
Educational Services	4.60	\$0.01	74,741	\$9,750	74,741	\$9,750	74,741	\$9,750
Pilot Programs	4.60	\$0.01	59,793	\$7,800	59,793	\$7,800	59,793	\$7,800
Subtotal - Residential Solutions	3.30		831,318	\$172,224	831,318	\$172,224	831,318	\$172,224
Self-Implementing Customer Business Services	4.30	\$0.01	1,135,897	\$0	955,233	\$150,128	955,233	\$150,128
Educational Services	4.60	\$0.01	955,233	\$150,128	15,065	\$1,950	15,065	\$1,950
Pilot/Emerging Technology Programs	4.60	\$0.01	15,065	\$1,950	90,388	\$11,750	90,388	\$11,750
Subtotal - Business Solutions	4.40		2,196,584	\$163,828	2,196,584	\$163,828	2,196,584	\$163,828
Total Program Portfolio	3.9	\$0.01	3,027,901	\$336,052	3,027,902	\$336,052	3,027,902	\$336,052
Administration				\$31,250		\$31,250		\$31,250
Evaluation (EM&V)				\$23,450		\$23,450		\$23,450
Subtotal - Admin/Evaluation				\$54,700		\$54,700		\$54,700
Projected Annual Totals	3.9	\$0.01	3,027,901	\$390,752	3,027,902	\$390,752	3,027,901	\$390,752

Attachment A: Zeeland's Energy Optimization Program Portfolio

U-17421

Program Portfolio	USRT Results	CCE Results	2015 Plan Filing		2016 Plan Filing		2017 Plan Filing	
			Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget	Gross First Year kWh	Program Budget
Low Income Services	N/A	N/A	50,798	\$15,108	50,798	\$15,108	50,798	\$15,108
Residential Services	2.50	\$0.02	186,427	\$43,386	186,427	\$43,386	186,427	\$43,386
Educational Services	4.30	\$0.01	47,445	\$7,789	47,445	\$7,789	47,445	\$7,789
Pilot Programs	4.30	\$0.01	63,260	\$10,385	63,260	\$10,385	63,260	\$10,385
Subtotal - Residential Solutions	3.00	\$0.02	347,929	\$76,668	347,929	\$76,668	347,929	\$76,668
Business Services	4.30	\$0.01	2,767,617	\$393,265	2,767,617	\$393,265	2,767,617	\$393,265
Educational Services	4.30	\$0.01	47,445	\$7,789	47,445	\$7,789	47,445	\$7,789
Pilot/Emerging Technology Programs			-	\$0	-	\$0	-	\$0
Subtotal - Business Solutions	4.30	\$0.01	2,815,062	\$401,054	2,815,062	\$401,054	2,815,062	\$401,054
Total Program Portfolio			3,162,991	\$477,722	3,162,991	\$477,722	3,162,991	\$477,722
Utility Administration				\$25,963		\$25,963		\$25,963
Evaluation (EM&V)				\$15,578		\$15,578		\$15,578
Subtotal - Admin/Evaluation				\$41,541		\$41,541		\$41,541
Projected Annual Totals	3.9	\$0.01	3,162,991	\$519,263	3,162,991	\$519,263	3,162,991	\$519,263