

**REPORT ON THE
IMPLEMENTATION OF PUBLIC ACT 295
UTILITY ENERGY OPTIMIZATION PROGRAMS**



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MICHIGAN PUBLIC SERVICE COMMISSION
Department of Energy, Labor & Economic Growth

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Introduction

Report Criteria

In October 2008, the Governor signed Public Act 295 of 2008 (PA 295 or the Act) into law. Section 95(3)(e) of the Act requires that by November 30, 2009, and each year thereafter, the Michigan Public Service Commission (Commission) is to submit to the standing committees of the Senate and House of Representatives with primary responsibility for energy and environmental issues, a report on the Commission's efforts to implement energy conservation and energy efficiency programs or measures. The Act states that the report may include any recommendations of the Commission for energy conservation legislation.

Background: Energy Optimization Plans and Commission Approval

Subpart B of the Act requires providers of electric or natural gas service to establish Energy Optimization (EO) programs for their customers. Energy providers subject to the EO provisions of the Act exclude electric Alternative Energy Suppliers (AESs) and natural gas retail marketers in that retail choice customers may participate in their local distribution utility programs.

In compliance with PA 295, on December 4, 2008, the Commission issued a temporary order in [Case No. U-15800](#) to implement the Act. The temporary order provided EO plan filing guidelines and resolved implementation issues for EO and renewable energy plans. EO plan submittals were required from all retail rate-regulated electric utilities, retail rate-regulated rural electric cooperatives, member-regulated electric cooperatives, municipally-owned electric utilities and retail rate-regulated gas utilities in Michigan. In total, 65 utilities filed EO plans with the Commission between February 16, 2009 and April 1, 2009. All 65 EO plans were approved by the Commission on or before July 1, 2009 and within the 90-day timeframe

stipulated by the Act. One small municipally-owned utility filed late and its plan was approved on October 31, 2009. Nine out of the 10 electric cooperatives filed a joint (coordinated) energy optimization plan. Ten Upper Peninsula municipal utilities filed jointly. Thirteen utilities opted to use the Commission-selected administrator.

In summary, the Commission approved Energy Optimization Plans for nine Electric investor-owned utilities, 10 electric cooperatives, 41 municipal electric companies, and six gas companies for a total of 66 energy optimization plans. A listing of case numbers, company names, and approval dates can be found in *Appendix A*.

Program Offerings and Implementation Dates

On November 30, 2009, a major milestone in Michigan was achieved: all natural gas and electric utility customers in Michigan can participate in specific energy efficiency programs offered by their local utility. This milestone has been achieved through the 2009 launch of utility-directed EO programs and launch of the program run by the state-selected administrator, *Efficiency United*. Importantly, this is the first time in over 14 years that utility energy-efficiency programs, funded via a public benefits approach, have been available to Michigan utility customers. However, it should be noted that 2009 is a phase-in year for these programs. Not all program offerings are available in 2009. Utilities will phase-in the implementation of additional programs over the next several years.

The Commission has gathered specific information from each utility company regarding program offerings and implementation dates. Information from each utility on its specific residential and commercial programs and dates of implementation for each specific program have been compiled. In general, individual programs are divided into two broad categories: residential; and commercial and industrial. Residential programs generally consist of four

categories: lighting (compact fluorescent), heating ventilating and air conditioning (HVAC), appliance recycling, and weatherization. Commercial and industrial programs consist of prescriptive and custom programs. Prescriptive programs provide rebates for specific equipment replacement such as lighting, boilers, pumps, compressors, etc. Custom programs generally provide a rebate per kWh savings (or per Mcf savings) for a comprehensive system or industrial process improvement. Specific program offerings and implementation dates by utility can be found in *Appendix B*.

State Selected Administrator: *Efficiency United*

Section 91 of PA 295, creates an option for utilities to offer energy optimization services through an energy optimization program administrator selected by the Commission. Section 91(6) requires the administrator to be a “qualified nonprofit organization” and selected through a competitive bid process. To fund the program, which has been named *Efficiency United*, the administrator will be paid directly by the participating utilities using funds collected from customers through Commission approved surcharges on utility bills.

The Michigan Community Action Agency Association (MCAAA) received the *Efficiency United* contract on August 10, 2009, following the required bid process. MCAAA is a membership organization of 30 community action agencies covering the entire state of Michigan and has extensive experience with administering grant-funded programs, including administering LIEEF funds for energy assistance, weatherization, and energy efficiency since 2002. They will design, implement, and administer EO programs for the following nine electric and four natural gas providers that elected to participate:

Electric: Alpena Power Company, Bayfield Electric Cooperative, Village of Daggett Electric Department, Edison Sault Electric Company, Indiana Michigan Power Company,

Upper Peninsula Power Company, Wisconsin Electric Power Company, Wisconsin Public Service Corporation, Northern States Power Company (Xcel)

Gas: Michigan Gas Utilities Corporation, SEMCO Energy Incorporated, Wisconsin Public Service Corporation, Northern States Power Company (Xcel)

MCAAA has assembled the following team members to assist in the design, implementation, administration, and marketing of *Efficiency United*: CLEAResult Consulting Great Lakes, Urban Options/Northern Options (now Michigan Energy Options), WARM Training Center, JACO Environmental, Franklin Energy, Inskip Design Partners, Maiorana & Partners and Morgan Marketing Partners.

Efficiency United EO programs will begin launching on November 30, 2009. Services and offerings will be similar to, and coordinated with, those of other providers. The intent is to have as much consistency as possible across the state, reducing confusion among customers and trade allies, and resulting in greater efficacy in achieving the energy efficiency goals of PA 295.

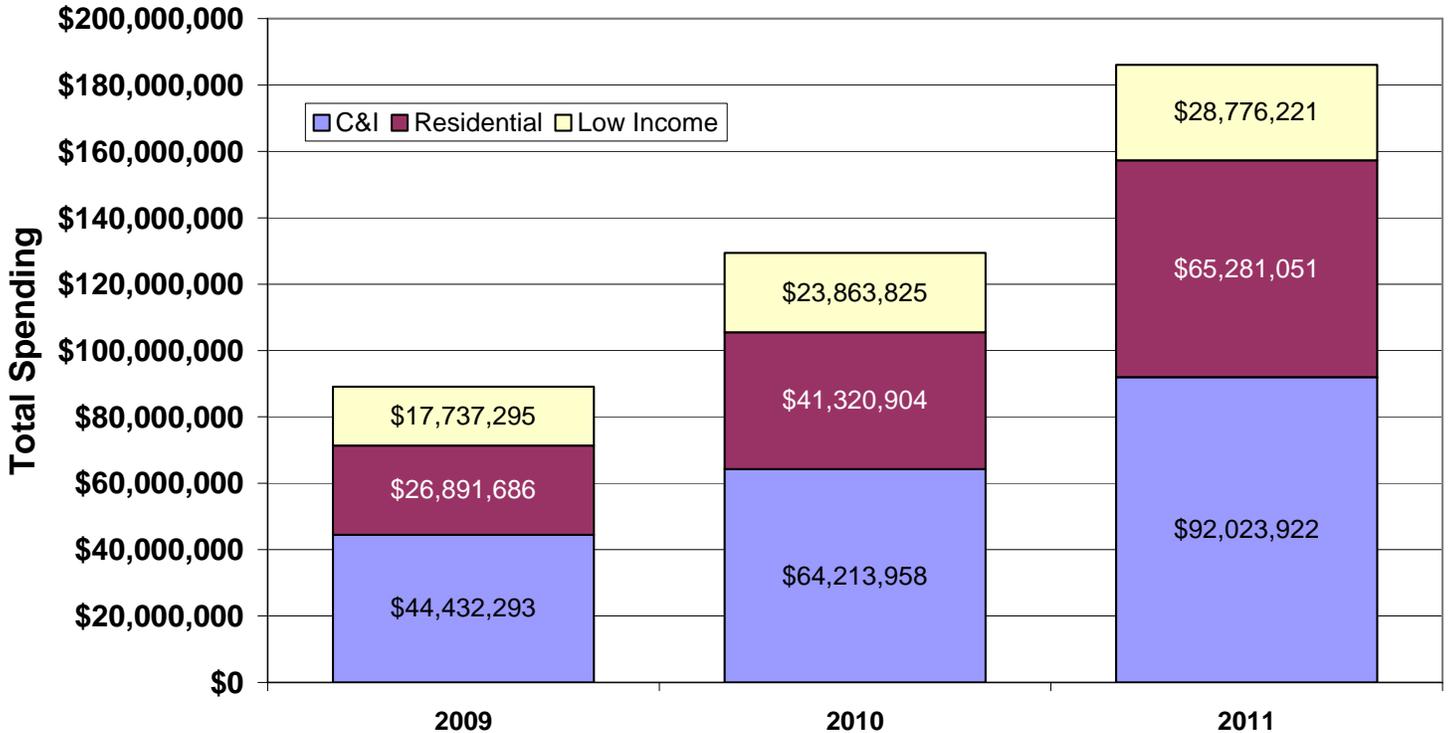
Through the end of 2011, *Efficiency United* will have an estimated total budget of \$35,603,690 and save 125,869 MWh of electricity and 750,592,000 Mcf of natural gas. The funding and targets are broken out by provider in *Appendix C*.

Summary of EO Spending & Targets: Statewide and By Utility

Spending: Based upon EO Plan filings with the Commission, for calendar year 2009, the aggregate statewide funding for EO programs is \$89,328,886. For calendar year 2010, the statewide EO budget is \$129,858,127. For calendar year 2011, the statewide EO budget is \$186,945,184. The statewide three-year cumulative funding level for EO programs is \$406,132,197. The three-year cumulative funding level can be divided into three categories: \$133,493,641 designated for residential (excluding low-income) programs; \$200,670,173 designated for commercial and industrial programs (C&I); and \$70,377,341 for low income

programs. (This is shown in Figure 1.) In addition to the three categories, utilities are spending \$1,591,042 on administration and evaluation. For a detailed spreadsheet of spending information by utility, see *Appendix D-1*.

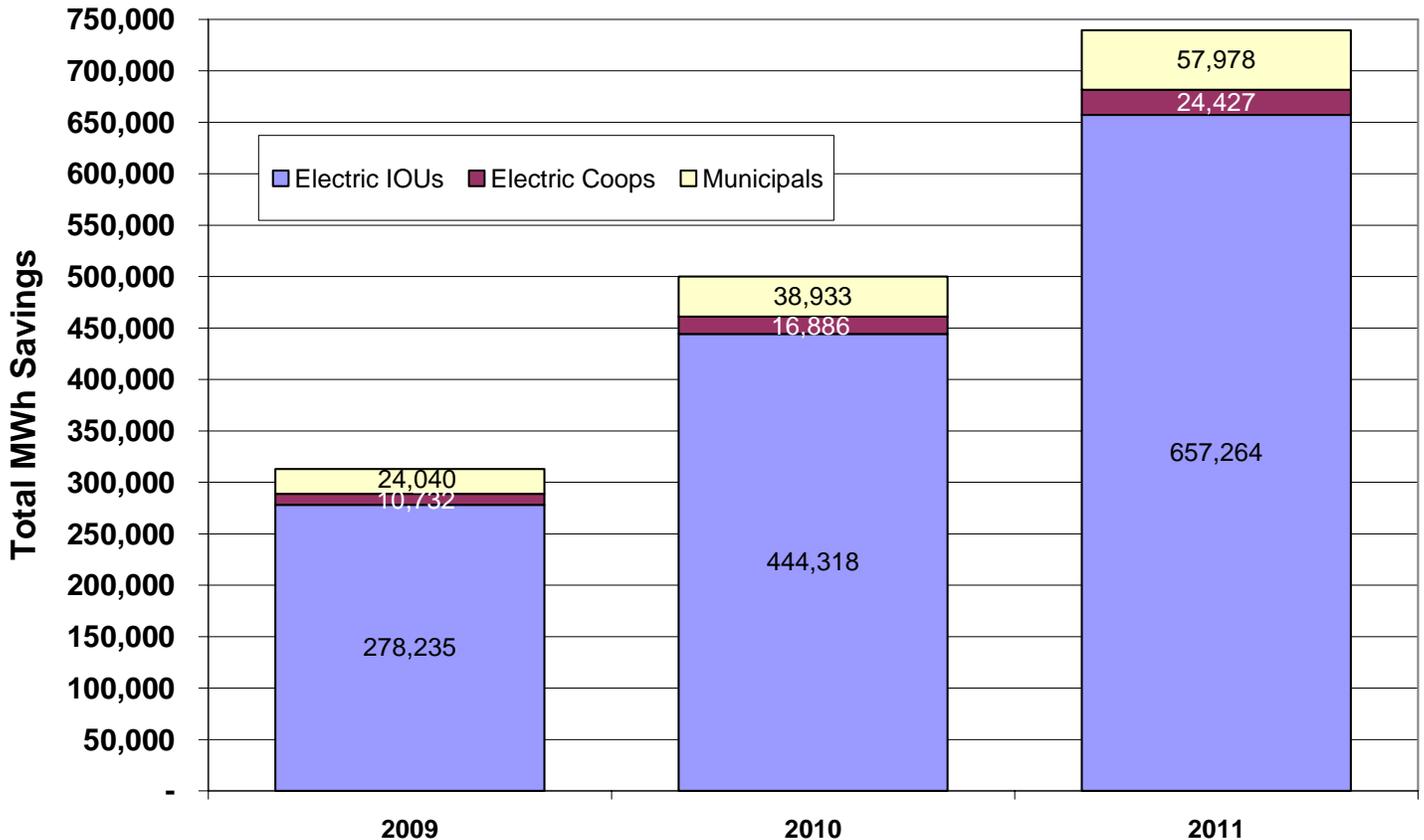
**Figure 1 - State of Michigan
Electric & Gas EO Spending by Year**



Targets: The Commission also gathered information regarding gas and electric utility Mcf and MWh energy savings targets for 2009-2011. The mandatory minimum savings targets are based upon a stipulated percentage of calendar-year retail sales for each utility. An annual schedule is delineated in PA 295 that progressively increases required energy savings over a four-year period. Based upon filings made with the Commission, all utilities plan on meeting the minimum targets. Two utilities, Detroit Edison and Michigan Consolidated Gas Company (Mich Con), plan on exceeding the minimum targets.

In 2009, the aggregate statewide electric energy savings target is 24,039 MWh. This is approximately 0.3 percent of the statewide retail electric sales level. The 2010 and 2011 statewide electric savings levels progressively rise to 38,933 MWh (0.5 percent of retail sales) and 57,977 MWh (0.75 percent of retail sales). Figure 2 shows how each annual saving target is composed of individual targets for regulated electric investor-owned utilities (IOUs), electric cooperatives, and municipal utilities. Regulated IOUs represent 88.9 percent of the statewide electric savings targets; electric cooperatives, 3.4 percent; and municipal utilities, 7.8 percent.

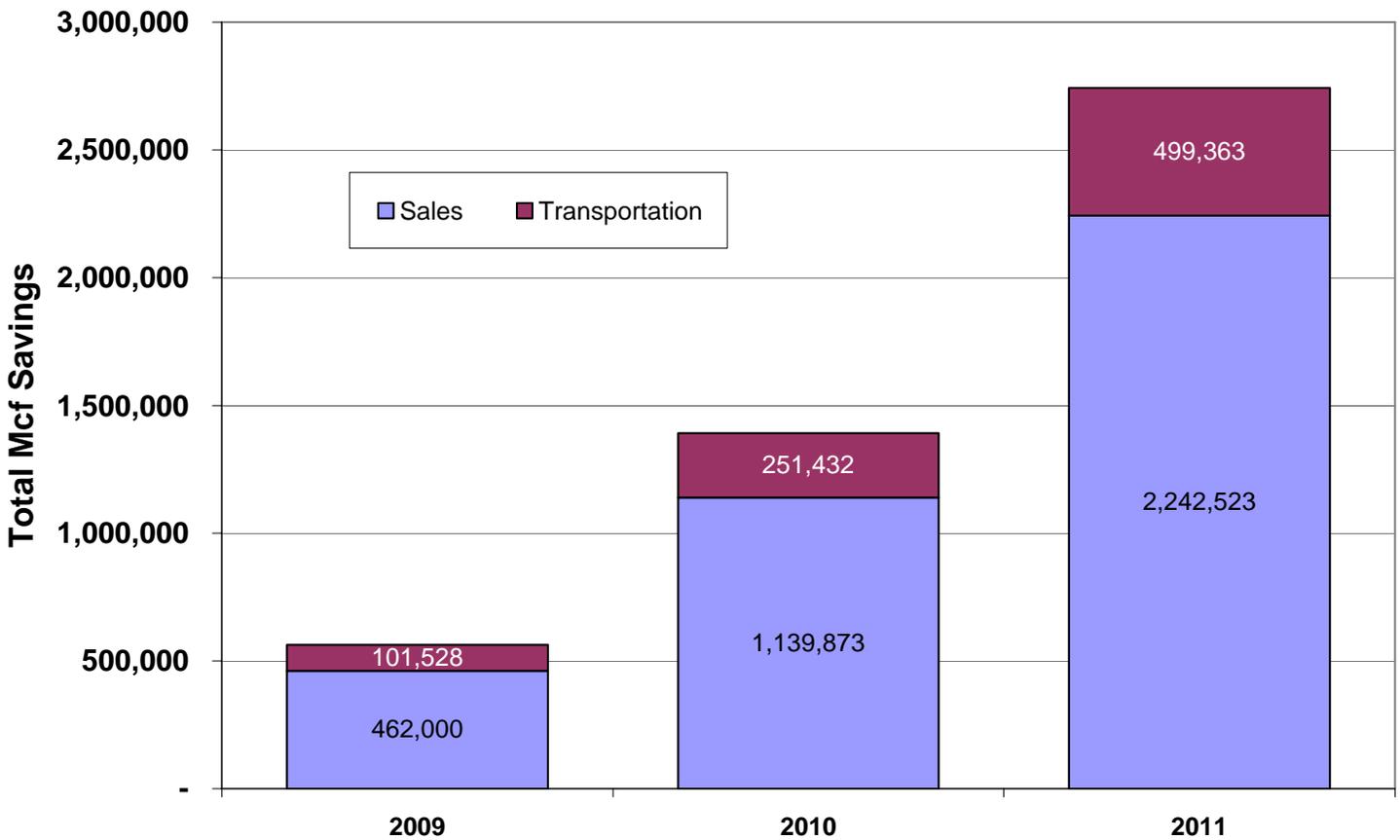
**Figure 2 - State of Michigan
Electric EO Targets by Year (MWh)**



Natural gas utilities filed EO plans with Mcf targets, also based upon a stipulated percentage of calendar year retail sales levels. Five out of the six natural gas utilities operating in Michigan have gas transportation customers. Approximately one-third of the natural gas load in Michigan

is related to gas transportation customer class, (primarily large commercial and industrial customers). Thus, gas utility EO targets are heavily dependent on the level of gas transportation load. The Commission authorized Mich Con to prorate its gas transportation targets to reflect the much lower level of EO program operating revenues derived from the gas transportation class. It is expected that in the future, the other four utilities having gas transportation rate schedules will similarly request proration.

Figure 3 - State of Michigan Gas EO Targets by Year (Mcf)



In 2009, the aggregate statewide gas energy savings target is 563,528 Mcf (563.5 Bcf). This is approximately 0.1 percent of the statewide retail gas sales level. The 2010 and 2011 statewide energy savings levels progressively rise to 1,391,305 Mcf (1391.3 Bcf) and 2,741,886 Mcf (2741.9 Bcf). This is 0.25 percent of retail sales and 0.50 percent of retail sales

respectively. Figure 3 breaks down the calendar year savings targets by sales (including gas Customer Choice) and gas transportation. All of the targets are related to regulated investor-owned utilities, in that gas cooperatives were not subject to PA 295. Savings from gas sales customers represent 81.8 percent of the statewide gas savings targets; savings from gas transportation customers represent 18.2 percent. For a detailed spreadsheet of target information by utility, see *Appendices D-2 and D-3*.

Energy Optimization Surcharges/Rates

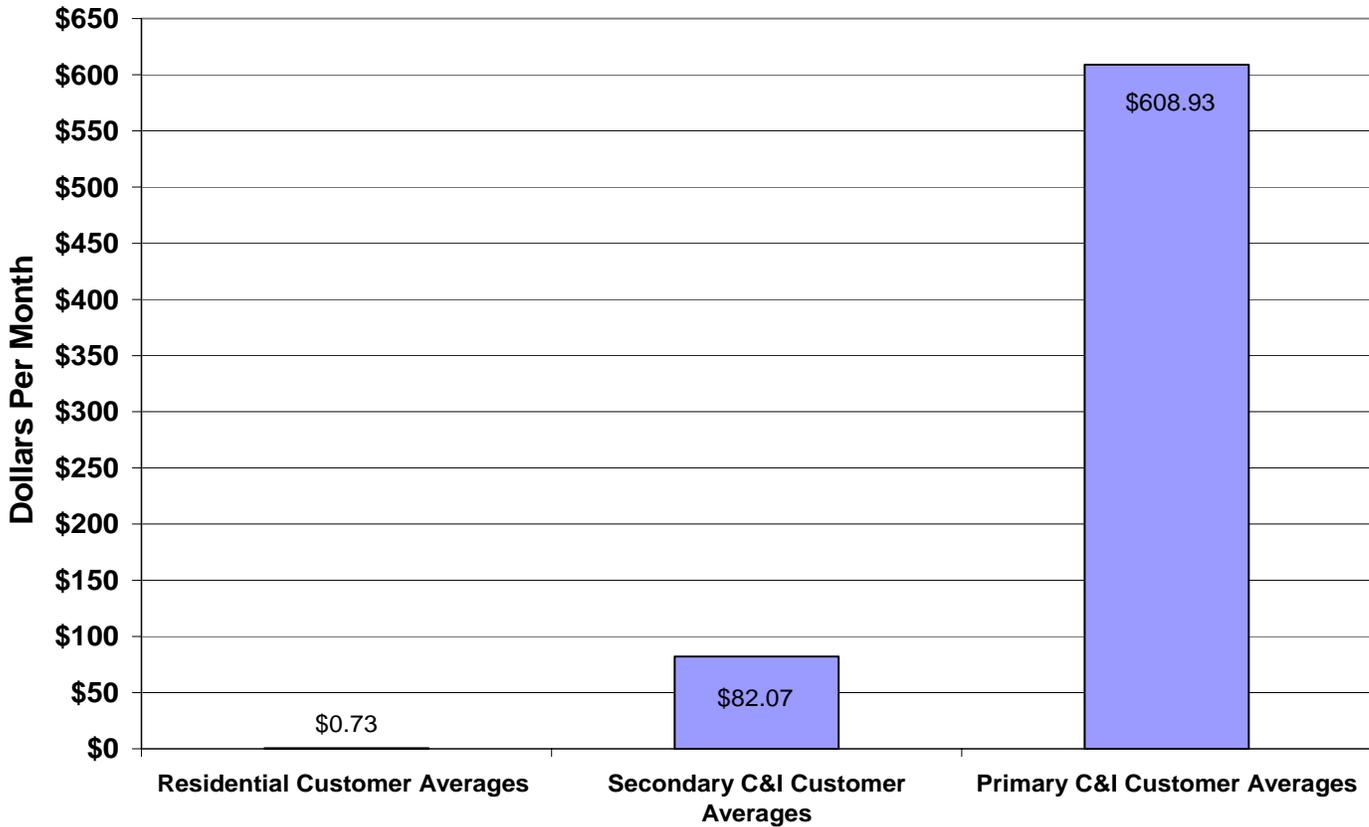
From a rate-setting perspective, the computation of EO surcharges for the residential customer class resulted in fairly consistent rates from utility to utility, with significantly greater variation in rates for commercial and industrial customer classes. For a typical residential customer using 500 kWh per month the statewide arithmetic average surcharge is 73 cents per month. (Note that residential EO surcharges are calculated as per kWh charges, all other customers classes are required by statute to pay fixed monthly surcharges.) The average surcharge for residential customers of electric IOUs is 65 cents per month. Notably, Consumers Energy is 72 cents per month and Detroit Edison is 54 cents per month. The average EO surcharge for residential customers of municipal utilities is 62 cents per month; for electric cooperatives, the average is 82 cents per month.

For the natural gas regulated IOUs, the statewide average surcharge per residential customer using 100 Ccf natural gas per month is \$1.37 per month. Consumers Energy customers pay \$1.72 per month and Mich Con customers pay 88 cents per month.

The variation in EO surcharges for electric commercial and industrial customers is significant. For example, with respect to the regulated IOU, Alpena Power Company, the monthly surcharge per meter for general service customers is \$1.33 per month; the large power

customer's surcharge is \$162.72 per month and for large industrial customers above 13 kV, the EO surcharge is \$2,744.32 per month. Figure 4 shows the average monthly electric surcharge amounts by customer class.

Figure 4 – Average Monthly EO Electric Surcharges



In general, small utilities tend to have higher EO surcharges for large C&I customers because the number of C&I customers is lower and thus the ability to rely on load diversity to spread EO expenses across customer classes is reduced. From an equity perspective, it should be noted that the larger utilities with relatively lower EO surcharges for their largest customers are effectively shifting some of those costs to lower consumption customers. As a result, the Commission has seen some high bill complaints from the smallest C&I customers within a rate

class. For this reason, the Commission granted a Consumers Energy request for rehearing of its EO Plan order to divide its secondary electric customers into five different classes with EO surcharges ranging from 96 cents per month to \$32.27 per month. Similarly, Consumers' electric primary service customers were divided into five classes with EO surcharges ranging from \$2.99 to \$422.23 per meter per month. For a detailed spreadsheet of EO surcharges and rates, see *Appendices E-1 and E-2*.

MPSC Energy Optimization Collaborative

Included in orders approving the Consumers Energy ([Case No. U-15805](#)) and Detroit Edison ([Case No. U-15806](#)) EO plans were provisions for the establishment of an energy optimization collaborative that required the participation of all gas and electric providers and offered the opportunity for a variety of additional stakeholders to participate from the energy efficiency industry, environmental groups and other interested stakeholders.

Initially the EO collaborative includes the following six goals: 1) education; 2) make recommendations for improving energy optimization plans and programs for all providers; 3) provide program evaluation support and develop any needed re-design and improvements to energy efficiency programs; 4) update and refine the Michigan Energy Measures Database (MEMD) on the basis of actual experience; 5) promote economic development and job creation in Michigan by providing a forum to connect Michigan manufacturers, suppliers and vendors with utility EO programs ; and 6) coordinate low-income programs and provide a comprehensive assessment of all issues impacting the design and implementation of low-income EO programs.

To start the collaborative process, the Commission issued a press release and held a kick-off meeting for the collaborative on June 29, 2009. In addition to the press release, a Web page was developed (see http://www.michigan.gov/mpsc/0,1607,7-159-52495_53750---,00.html) to

serve as a communications platform and to post materials for upcoming meetings. The kick-off meeting was attended by representatives from Michigan's load serving entities, Commission staff, energy efficiency industry, environmental groups and other interested stakeholders.

The collaborative structure includes three main workgroups: Program Design and Implementation; Evaluation; and Low-Income Programs.

The Program Design and Implementation workgroup will coordinate program delivery between utilities including new technology assessment and updating of the MEMD. The workgroup will also determine the structure and direction to be used throughout the EO program implementation period and will strategize on proposals to maximize EO program quality from multiple stakeholder perspectives.

The Evaluation workgroup's mission is to facilitate coordination, communication and education among program evaluators working in Michigan, Commission staff, program administration staff, program implementation staff and other interested stakeholders on evaluation-related topics. Specific goals will be to advise the Commission on issues related to program evaluation and on establishing a transparent process for adding measures, reviewing and updating deemed savings of existing measures and inputs into the derivation of deemed values and to educate stakeholders on program evaluation including: the roles of evaluation, methodologies, and the use of evaluation results.

The Low-Income workgroup's mission is to coordinate comprehensive assessment of all issues impacting the design and implementation of EO programs for low-income customers. It is responsible for developing appropriate guidelines relating to the delivery of the EO program to low-income participants to show availability, need, and focus of these plans while providing assistance and opportunities to the low-income population. Per the Commission's Order dated

September 29, 2009, the Commission's Low-Income Task Force (established in Case No. U-15918) became a part of the Low-Income Workgroup. By combining the two, all inter-related utility service issues bearing on Michigan's low-income population can be addressed simultaneously. The Low-Income Program also contains a sub-workgroup called the Neighborhood Sweep that will focus on weatherization pilot programs that include installation of significant energy saving measures in selected neighborhoods.

It is intended that all workgroups meet on a monthly basis and make quarterly reports to the policy group called the Steering Committee workgroup. Participation in the Steering Committee is by invitation only and includes stakeholders representing gas and electric providers, interveners in EO plan cases, energy efficiency advocates, as well as others. As part of the collaborative, there is an Economic Development Forum component that will involve holding a series of statewide forums for contractor education and information exchange about EO programs. A flow chart of the EO Collaborative workgroup structure is located in *Appendix F*.

Partners/Implementation Contractors

The Commission gathered available information from utilities regarding program implementation partners, contractors and subcontractors of specific programs of each utility company. Because of the absence of energy efficiency programming in Michigan over the past decade and a half, Michigan lost much of its energy efficiency implementation contractor industry, which migrated to other states that continued energy efficiency programs. The lack of professional energy efficiency consulting businesses in Michigan has required utilities to obtain out of state design and implementation contractors. However, utilities required a Michigan presence as part of their RFP process and most contractors plan on opening Michigan offices.

Further, with respect to sub-contractors, utilities have required recruitment of local labor for all field work. Commissioner Monica Martinez took the lead on instigating utility outreach to local workers and businesses by coordinating a series of trade ally fairs across Michigan where utilities could explain their EO programs and their labor needs.

The EO programs have led to at least one new business in Michigan. The first appliance recycling facility began commercial operation in the summer of 2009. The JACO Environmental recycling center is located in Livonia and will service customers of The Detroit Edison Company (Detroit Edison), Consumers Energy Company (Consumers Energy), Lansing Board of Water and Light, and several small electric cooperatives and municipal utilities. The center recycles the refrigerators, freezers, air conditioners and dehumidifiers collected in the various EO appliance rebate programs.

A review of implementation contractors reveals that most implementation work in Michigan is being performed by a handful of businesses. One unintended result of having so few implementation contractors is that this may help promote coordination of programs between utilities. The promotion of coordination between utility EO programs is a major objective of the Commission. The Commission intends to factor coordination in its review of utility EO plans, whereby coordination will reduce costs or increase program performance. Finally, it should be noted that all utility EO low-income programs in the state, including the Commission's *Efficiency United* program, will rely on the MCAAA to implement low-income programs. Information on partners and contractors by specific utility company can be found in ***Appendix G-1 through 6.***

Low-Income Programs

Sections 71, 89 and 93 of 2008 PA 295 require utilities to offer EO programs for each customer class, including low-income. Each rate class must contribute proportionally to low-income program costs, based on its funding of the utility's total EO program. Low-income EO programs are excluded from the requirement to meet the cost-benefit test.

Table 1 - 2009 EO Low-Income Program Budget

Provider Type	Low Income Budget
Electric IOUs	\$ 5,382,687
Electric Cooperatives	\$ 254,141
Municipals	\$ 238,523
Gas Providers	\$11,861,944
TOTAL:	\$17,737,295

Low-income EO programs are currently in development by *Efficiency United*, the state-selected administrator that will be coordinating programs for 10 electric and gas utilities with an implementation date of November 30, 2009. Cooperatives have contracted with the Michigan Electric Cooperative Association (MECA) for coordination of their programs. Consumers Energy and Detroit Edison are focusing on direct installation of energy efficient measures and weatherization programs targeting individuals with incomes below 200 percent of the Federal Poverty Guideline. Pilot projects are also in process. *See, Appendix H.*

Michigan Saves Grant Program

On February 13, 2009, the Commission issued a request for proposals for a statewide energy efficiency financing program called *Michigan Saves*. The *Michigan Saves* financing program is garnering interest from utilities, states, and municipalities across the country because of its innovative approach to providing financing for energy efficiency improvements. The

Michigan Saves system is established through a Michigan Energy Efficiency (MIEEG) grant derived from two sources: 1) \$7,200,000 from the Low-Income and Energy Efficiency Fund (LIEEF), and 2) \$405,000 awarded to the State of Michigan from the U.S. Department of Energy (DOE). The DOE interest in funding *Michigan Saves* lies in using Michigan's program as a model for other states.

On April 22, 2009, the Commission awarded the grant to Public Sector Consultants Inc. Subsequently, Public Sector Consultants Inc. has created a *Michigan Saves* non-profit administrative agency and is in the process of establishing a trust fund that would serve as an initial capital pool to finance the installation of energy efficiency measures with no up-front cost to the utility customer (commercial, industrial, residential). At this time, it appears that the \$6.4 million trust fund will not be directly used as a revolving loan fund, but rather as a loss reserve, thereby allowing *Michigan Saves* to leverage private equity and foundation monies. The loss reserve would provide for the coverage of uncollectible expenses, thus reducing the level of risk for potential financing partners. The Commission believes that *Michigan Saves* will be a critical tool for utilities to help meet their statutory energy savings targets, particularly in light of the national financial crisis which has resulted in significantly restricted ability for Michigan's residents and businesses to obtain credit for energy efficiency improvements.

One of the key *Michigan Saves* pilots will be to test the practicality of a utility on-bill financing program for energy efficiency improvements made by utility customers. Through the on-bill approach, a participating utility customer would conveniently make monthly repayment through their normal utility bill, with the utility serving as billing agent. Further, a key deliverable of the pilot will be to see if this program can be designed so that participating customers will see a net bill reduction from that which would otherwise be incurred. In addition

to the on-bill program design, *Michigan Saves* will be looking at alternative practicable program designs. For example, a program using a third-party billing agent and providing for repayment of any balances at the sale of a residence would avoid complications associated with a debt that is assigned to a utility meter rather than to a particular customer. Programs that allow for financing of energy efficiency measures through a local property tax bill may require new legislation. *For more information:* <http://www.michigansaves.org/>.

Self-Directed Energy Optimization Program

Under Section 93 of PA 295, electric customers who meet certain eligibility requirements may create and implement a customized energy optimization plan and thus be exempt from paying an EO surcharge to its utility provider. Electric customer eligibility to participate in the self-directed EO plans is determined by the customer’s annual peak demand. For 2009 and 2010, the Act allows the largest customers to participate, or those with 2 MW annual peak demand in the preceding year or 10 MW aggregate at all of the customer’s sites within a service provider’s territory.

As of the 2009 initial enrollment period, 75 utility customers in Michigan are expected to participate for the calendar year 2009 and calendar year 2010 EO Plan period. Projected energy savings for these large commercial and industrial customers are summarized in Table 2.

Table 2 – Projected Energy Savings for Large Commercial and Industrial Customers

Provider	# of Customers	2009 expected load reduction (MWh)	2010 expected load reduction (MWh)
Detroit Edison	26	12,494	20,086
Consumers	31	11,317	15,182
State Administrator	8	7,612	12,343
Cooperative	2	178	296
Municipal	8	2,578	1,032
Total	75	34,179	33,757

Each fall, an open enrollment period begins allowing new customers to opt into the self-directed program. The Commission's general observation is that small utilities are seeing additional migration of customers to the self-directed program due to the typically higher EO surcharges for the large primary customer classes. Several large electric utilities including, Consumers Energy, Detroit Edison, and Lansing Board of Water and Light, in contrast, are seeing some self-directed customer interest in terminating self-directed programs in light of the relatively low EO surcharges for their largest electric customers.

Financial Incentive Mechanism

On September 29, 2009, the Commission approved financial incentive mechanisms for Detroit Edison (U-15806), Michigan Consolidated Gas Company (U-15890) and Consumers Energy (U-15805 & U-15889). The Commission authorized a mechanism that it believed would incent utilities to pursue cost effective energy efficiency programs that significantly exceed the statutory minimum. The incentive mechanism requires a utility to simultaneously meet two thresholds: exceed the statutory minimum targets; and exceed Utility System Resource Cost Test (USRCT) of 1.0. The incentive payout is computed as a percent of program spending, and is a linear interpolation between the minimums and maximum achievement level of 115 percent of the energy savings target and a USRCT of 1.25. The maximum incentive is capped at 15 percent of program spending. If the maximum criteria are met, a utility spending \$50 million in a given year, for example, could be awarded \$7,500,000. For more detailed information, including the financial incentive mechanism nomograph, see *Appendices I-1 through 3*.

Revenue Decoupling

The Commission approved an electric revenue decoupling mechanism for Consumers Energy's electric utility in its most recent rate case, [Case No. U-15645](#). It specifically tied implementation of a decoupling true-up to Consumers Energy exceeding EO targets and provision of proposals for demand response and load control programs, *i.e.*, demand resources. Currently, the Commission has decoupling proposals before it for Consumers Energy Gas, Detroit Edison and Mich Con. By tying a decoupling true-up to EO performance exceeding statutory minimums, the Commission recognizes that the outcome of a decoupling mechanism is to remove the throughput disincentive to promoting energy efficiency.

PA 295 Energy Optimization Rules

As provided in MCL 460.1191(2), the Commission must promulgate the rules within one year of the effective date of PA 295. On October 7, 2008, the Commission filed a request for rulemaking (RFR) with the State Office of Administrative Hearings and Rules (SOAHR). On the same date, SOAHR approved the RFR, which has been assigned the SOAHR docket number 2008-042 LG. On October 6, 2009, the Commission submitted the draft of the PA 295 rules to SOAHR. The rules are expected to be finalized within nine months, well in advance of the next EO plan filings. The pending Commission rules are located at: <http://www.state.mi.us/orr/emi/rules.asp?type=dept&id=LG>. The rules are referred to as the Clean, Renewable and Efficient Energy Rules.

Conclusion

Over the past year, the Commission has dutifully attempted to implement the new legislation in the spirit that was intended. The year of implementation has successfully adhered to the expeditious 90-day processing timelines. In order to do this, the Commission directed staff to utilize an Energy Optimization Collaborative on all EO issues. The Collaborative provides an informal venue for all stakeholders, including EO Plan interveners, to informally work out differences with EO plan design and evaluation outside of the contested case process. The collaborative is an essential tool that will assist the Commission in continuing to successfully implement the Energy Optimization program

An unlikely, unintended consequence is the EO charges for commercial and industrial customers that are by statutory fiat required to be monthly per-meter fixed charges as opposed to volumetric charges. The monthly fixed-charge mandate makes it difficult to create rate equity due to the wide diversity in loads among the commercial and industrial class of customers. The smaller usage customers may carry a disproportionate burden because of the required per meter charge. For example, in June 2009, Consumers Energy filed for a rehearing on the issue of surcharges for primary and secondary electric customer classes. A more equitable distribution of fixed EO surcharges was approved by the Commission in August. By increasing the number of fixed-charge classes, the utilities can attempt to more appropriately match customer size with the monthly rate. However, the increased number of rate classifications increases rate complexity.

In overall conclusion, the Commission is very pleased with PA 295 and proud to promote the development of clean and renewable energy and energy optimization through the standards that were enacted. As the information detailed earlier in this report makes clear, much progress has already been made in bringing back significant energy efficiency programs for electricity and

natural gas customers in Michigan. The Commission looks forward to the adoption of the Clean, Renewable and Efficient Energy Rules and future administration of the PA 295 process.

While the Commission is not recommending specific legislative changes with this report, we do note that a number of states around the nation, and in our own Midwest region, have adopted larger energy efficiency savings requirements than are contained in PA 295. Should the legislature desire to consider the issue of strengthening the energy optimization components of PA 295, the Commission would be happy to cooperate in that effort.

STATE OF MICHIGAN
EO Filings: Case Numbers, Companies, and Dates of Approval

	CASE #	COMPANY	DATE OF APPROVAL
	IOUs		
1	U-15804	Alpena Power Company	5/12/2009
2	U-15805	Consumers Energy Company	5/26/2009
3	U-15806	Detroit Edison Company	6/2/2009
4	U-15807	Edison Sault Electric Company	5/12/2009
5	U-15808	Indiana Michigan Power Company	5/12/2009
6	U-15809	Northern States Power Company-Wisconsin	5/12/2009
7	U-15810	Upper Peninsula Power Company	5/26/2009
8	U-15811	Wisconsin Public Service Corporation	5/26/2009
9	U-15812	Wisconsin Electric Power Company **	5/26/2009
	Co-ops		
10	U-15813	Alger Delta Cooperative Electric Association	5/12/2009
11	U-15814	Bayfield Electric Cooperative (Waiver Requested)	6/2/2009
12	U-15815	Cherryland Electric Cooperative	5/12/2009
13	U-15816	Cloverland Electric Cooperative	5/12/2009
14	U-15817	Great Lakes Energy Cooperative	5/12/2009
15	U-15818	Midwest Energy Cooperative	5/12/2009
16	U-15819	Ontonagon Co. Rural Electrification Assoc.	5/12/2009
17	U-15820	Presque Isle Electric and Gas Co-op	5/12/2009
18	U-15821	Thumb Electric Cooperative	5/12/2009
19	U-15822	Tri-County Electric Cooperative	5/12/2009
	Municipals		
20	U-15848	Village of Baraga	7/1/2009
21	U-15849	City of Bay City	7/1/2009
22	U-15850	City of Charlevoix	7/1/2009
23	U-15851	Chelsea Department of Electric and Water	7/1/2009
24	U-15852	Village of Clinton	7/1/2009
25	U-15853	Coldwater Board of Public Utilities	7/1/2009
26	U-15854	Croswell Municipal Light & Power Department	7/1/2009
27	U-15855	City of Crystal Falls	7/1/2009
28	U-15856	Daggett Electric Department	10/13/2009
29	U-15857	Detroit Public Lighting Department	7/1/2009
30	U-15858	City of Dowagiac	7/1/2009
31	U-15859	City of Eaton Rapids	7/1/2009
32	U-15860	City of Escanaba	7/1/2009
33	U-15861	City of Gladstone	7/1/2009
34	U-15862	Grand Haven Board of Light and Power	7/1/2009
35	U-15863	City of Harbor Springs	7/1/2009
36	U-15864	City of Hart Hydro	7/1/2009
37	U-15865	Hillsdale Board of Public Utilities	7/1/2009
38	U-15866	Holland Board of Public Works	7/1/2009
39	U-15867	Village of L'Anse	7/1/2009
40	U-15868	Lansing Board of Water & Light	7/1/2009
41	U-15869	Lowell Light and Power	7/1/2009
42	U-15870	Marquette Board of Light and Power	7/1/2009
43	U-15871	Marshall Electric Department	7/1/2009
44	U-15872	Negaunee Department of Public Works	7/1/2009
45	U-15873	Newberry Water and Light Board	7/1/2009
46	U-15874	Niles Utility Department	7/1/2009
47	U-15875	City of Norway	7/1/2009
48	U-15876	City of Paw Paw	7/1/2009
49	U-15877	City of Petoskey	7/1/2009
50	U-15878	City of Portland	7/1/2009
51	U-15879	City of Sebewaing	7/1/2009
52	U-15880	City of South Haven	7/1/2009
53	U-15881	City of St. Louis	7/1/2009
54	U-15882	City of Stephenson	7/1/2009
55	U-15883	City of Sturgis	7/1/2009
56	U-15884	Traverse City Light & Power	7/1/2009
57	U-15885	Union City Electric Department	7/1/2009
58	U-15886	City of Wakefield	7/1/2009
59	U-15887	Wyandotte Department of Municipal Service	7/1/2009
60	U-15888	Zeeland Board of Public Works	7/1/2009
	Retail Rate-Regulated Natural Gas Providers		
61	U-15805	Consumers Energy Company	5/26/2009
62	U-15890	Michigan Consolidated Gas Company	6/2/2009
63	U-15891	Michigan Gas Utilities Corporation	5/26/2009
64	U-15892	Northern States Power Co - Wisconsin	5/12/2009
65	U-15893	SEMCO Energy, Inc.	5/26/2009
66	U-15894	Wisconsin Public Service Corporation	5/26/2009

Program Offerings by Utility

Utility	Sector	Market	Implementation Date
Consumers Energy	Residential	1 Residential Comprehensive Homes Program that includes direct installation components for low-income and multi family customers.	
		2 Efficient Products Program, which features rebates for Energy Star ® products such as compact fluorescent light bulbs (CFL), furnaces, central air conditioners, room air conditioners, water heaters, clothes washers, and dehumidifiers.	
		3 Appliance recycling program that collects and disposes of used refrigerators, freezers, room air conditioners, and dehumidifiers in an environmentally safe manner.	
		4 Energy education program for 4th-6th grade students and their families, which includes low cost energy efficiency measures.	
		5 Several residential pilot programs.	
	Commercial and Industrial	1 Comprehensive Business Solutions Program that will provide incentives for the purchase of over 170 energy efficiency measures.	
		2 Custom Business Solutions Program, targeted at large commercial and industrial customers, which provides for specialized energy savings applications.	
		3 Small Business Direct Install Program that provides direct installation of efficient lighting technologies and other low cost measures	
		4 The Business Pilots Program, which will offer local government, universities, schools, and hospitals an opportunity to participate in a Michigan Saves type program.	
			5 The Small Business Solutions Program is designed to help small businesses and not-for-profit customers, typically considered "hard to reach", participate in an energy efficiency program. A trained group of electrical and refrigeration contractors utilize a web based tool to complete an on-site energy audit and generate an energy efficiency proposal for the customer. The program typically covers between 75% to 95% of the project cost up to \$5000 with the customer responsible for the remainder. The program is available to non residential customers with an annual electric usage of less than 300,000 kWh. The program was launched August 11, with a planned investment level of \$2,851,520 and is expected to save 6,292 MWh in 2009.

Utility	Sector	Market	Implementation Date
DTE	Residential	1 Energy Star ® (CFL)	August 3, 2009
		2 Energy Star ® (Appliances)	September 1, 2009
		3 Energy Audits	August 3, 2009
		4 Residential HVAC	August 3, 2009
		5 Multifamily	August 3, 2009
		6 Energy Assistance (Low Income)	August 3, 2009
		7 Pilots	August 3, 2009
		8 Appliance Recycling	June 3, 2009
		9 New Construction	Early 2010
	Commercial and Industrial	1 Prescriptive	June 3, 2009
		2 Custom	June 3, 2009
		3 New Construction	November 1, 2009
		4 RFP	November 1, 2009

Utility	Sector	Market	Implementation Date
Alger Delta, Cloverland, Great Lakes Energy, HomeWorks Tri-County, Midwest Energy, Ontonagon, Presque Isle, Thumb Electric	Residential	Low Income - Energy Star ® Appliance and CFL rebate program funded through grant money provided by their Power Provider. Others have been giving away CFLs at community functions or annual meetings.	September 1, 2009
		Energy Efficiency Assistance Program (low income) available through MCAAA. Energy Star ® Refrigerators, CFLs, ECM blower motors with gas furnace replacements (by gas company), and co-funding of some weatherization measures when a working air conditioner is present.	September 1, 2009
		Education has generally been bill inserts, Energy Star ® calendars, and magazine articles featuring the benefits of utilizing energy efficient appliances.	September 1, 2009
		Residential HVAC Program: rebates for ECM blower upgrades on existing furnaces, electric water heater upgrades to .93 efficiency factor or higher, Central Air Conditioner and HP upgrades to 14 SEER or higher on replacing existing inefficient units.	November 1, 2009
		Appliance Recycling	2010
		On-line Audit Program: An energy efficient kit will be sent to the homeowner when they complete the audit. The kit will contain some CFLs, a low flow shower head, and a low flow faucet aerator.	2010
		Multi-family Program	2010
		New Construction Program	2010
		LED Christmas Light Rebates: Utilities will be offering \$2 rebates on a strand of 25 and \$4 rebate on a strand of 50 LED Christmas lights. The program will run through December 2009.	December 1, 2009
	Commercial and Industrial	Pilot Programs	2010
		Custom Programs	2010
		New Construction Program	2010
		RFP Program	2010

Utility	Sector	Market	Implementation Date
Cherryland Electric Cooperative	Residential	1 Residential Low Income Program	May 1, 2009
		2 Residential HVAC Program	
		3 Residential Energy Star Program	
		4 Residential Appliance Recycling Program	
		5 Educational Programs	
	Commercial and Industrial	1 C&I Prescriptive Program	

Utility	Sector	Market	Implementation Date
Lansing Board of Water & Light	Residential	1 Efficient Lighting Program	
		2 Refrigerator/Freezer Turn-In and Recycling Program	
		3 High-Efficiency Appliances and Electronics Program	
		4 High-Efficiency HVAC Equipment	
		5 Multi-Family In-Unit Efficiency	
		6 Residential Education Services	
		7 Pilot/Emerging Technology Programs	
	Commercial and Industrial	1 Prescriptive Program	April 1, 2009
		2 Custom Program	
		3 Services for Multi-Family Property Owners	
	4 Business Education Services		
	5 Pilot/Emerging Technology Programs		

Utility	Sector	Market	Implementation Date
City of Bay City	Residential	1 Efficient Lighting	August 1, 2009
		2 Refrigerator/Freezer Recycling	
		3 Efficient Appliances/Electronics	
		4 Efficient HVAC Equipment	
		5 Education Services	
		6 Pilot/Emerging Technologies	
	Commercial and Industrial	1 Prescriptive Incentive Program	
		2 Custom Incentive Program	
		3 Education Services	
		4 Pilot/Emerging Technologies	

Utility	Sector	Market	Implementation Date
City of Crystal Falls	Residential	1 Energy Star ® Products Program	
		2 Appliance Recycling Program	
		3 HVAC Program	
		4 Multifamily Program	
		5 New Construction Program	
		6 Audit and Weatherization Program	
	Commercial and Industrial	1 Prescriptive Program	
		2 Custom Program	
		3 RFP Program	
		4 New Construction Program	

Utility	Sector	Market	Implementation Date
City of Norway	Residential	1 Energy Star ® Product Program	
		2 Appliance Recycling Program	
		3 HVAC Program	
		4 Multifamily Program	
		5 Residential New Construction Program	
		6 Audit and Weatherization Program	
	Commercial and Industrial	1 Prescriptive Program	
		2 Custom Program	
		3 RFP	
		4 New Construction	

Utility	Sector	Market	Implementation Date
Holland Board of Public Works	Residential	1 Efficient Lighting	July 1, 2009
		2 Refrigerator/Freezer Recycling	
		3 Efficient Appliances/Electronics	
		4 Efficient HVAC Equipment	
		5 Multifamily Direct Install	
		6 Education Services	
		7 Pilot/Emerging Technologies	
	Commercial and Industrial	1 Prescriptive Program	
		2 Custom Program	
		4 Pilot/Emerging Technologies	

Utility	Sector	Market	Implementation Date
Village of Clinton, Coldwater Board of Public Utilities, Hillsdale Board of Public Utilities, Marshall Electric Department, Union City Electric Department	Residential	1 Efficient Lighting Program	July 2009, September 2009, November 2009
		2 Refrigerator/Freezer Turn In and Recycling Program	
		3 High-Efficiency Appliances and Electronics Program	
		4 High-Efficiency HVAC Equipment	
		5 Residential Education Services	
	Commercial and Industrial	1 Commercial and Industrial Prescriptive Incentive Program	
		2 Commercial and Industrial Custom Incentive Program	
		3 Business Education Services	

Utility	Sector	Market	Implementation Date
Baraga, Crystal Falls, Escanaba, Gladstone, L'Anse, Marquette, Negaunee, Newberry, Norway, Stephenson	Residential	Low Income - Energy Star® Appliance and CFL rebate program funded through grant money provided by their Power Provider. Others have been giving away CFLs at community functions or annual meetings.	September 1, 2009
		Energy Efficiency Assistance Program (low income) available through MCAAA. Energy Star® Refrigerators, CFLs, ECM blower motors with gas furnace replacements (by gas company), and co-funding of some weatherization measures when a working air conditioner is present.	September 1, 2009
		Education has generally been bill inserts, Energy Star® calendars, and magazine articles featuring the benefits of utilizing energy efficient appliances.	September 1, 2009
		Residential HVAC Program: rebates for ECM blower upgrades on existing furnaces, electric water heater upgrades to .93 efficiency factor or higher, Central Air Conditioner and HP upgrades to 14 SEER or higher on replacing existing inefficient units.	November 1, 2009
		Appliance Recycling	2010
		On-line Audit Program: An energy efficient kit will be sent to the homeowner when they complete the audit. The kit will contain some CFLs, a low flow shower head, and a low flow faucet aerator.	2010
		Multi-family Program	2010
		New Construction Program	2010
		LED Christmas Light Rebates: Utilities will be offering \$2 rebates on a strand of 25 and \$4 rebate on a strand of 50 LED Christmas lights. The program will run through December 2009.	December 1, 2009
	Commercial and Industrial	Pilot Programs	2010
		Custom Programs	2010
		New Construction Program	2010
		RFP Program	2010

Utility	Sector	Market	Implementation Date
City of Charlevoix, Chelsea Dept. of Electric and Water, Croswell Municipal Light & Power City of Dowagiac, City of Eaton Rapids, City of Escanaba, Grand Haven Board of Light and Power, City of Harbor Springs, City of Hart Hydro, Lowell Light and Power, Marquette Board of Light and Power, Newberry Water and Light Board, Niles	Residential	Efficient Lighting Program	
		Refrigerator/Freezer Turn In and Recycling Program	
		High-Efficiency Appliances and Electronics Program	
		High-Efficiency HVAC Equipment	
		Residential Education Services	
	Commercial and Industrial	Commercial and Industrial Prescriptive Incentive Program	June 2009, July 2009, August 2009, September 2009
		Commercial and Industrial Custom Incentive Program	
		Business Education Services	

Utility	Sector	Market	Implementation Date
Nagaunee Department of Public Works	Residential	Energy Star® Product Program	
		Appliance Recycling Program	
		HVAC Program	
		Multifamily Program	
		Residential New Construction Program	
		Audit and Weatherization Program	
	Commercial and Industrial	Prescriptive Program	
		Custom Program	
		RFP	
		New Construction	

Utility	Sector	Market	Implementation Date
Village of Lanse	Residential	1 Energy Star® Products Program	
		2 Appliance Recycling Program	
		3 HVAC Program	
		4 Multifamily Program	
		5 New Construction Program	
		6 Audit and Weatherization Program	
	Commercial and Industrial	1 Prescriptive Program	
		2 Custom Program	
		3 RFP	
		4 New Construction	

Utility	Sector	Market	Implementation Date
Village of Baraga	Residential	1 Residential Energy Star® Products Program	
		2 Appliance Recycling Program	
		3 HVAC Program	
		4 Multifamily Program	
		5 Audit and Weatherization Program	
		6 New Construction Program	
	Commercial and Industrial	1 C&I Prescriptive Program	
		2 C&I Custom Program	
		3 C&I RFP Program	
		4 C&I New Construction Program	

STATE OF MICHIGAN
State Selected Administrator
Efficiency United

Payments to Efficiency United		0.75%	1.0%	1.5%	
		2009	2010	2011	2009-2011
1	Alpena	\$200,594	\$295,092	\$401,190	\$896,876
2	Bayfield (coop)	\$240	\$336	\$480	\$1,055
3	Daggett (muni)	\$870	\$978	\$1,740	\$3,588
4	Edison Sault **	\$279,998	\$378,335	\$621,549	\$1,279,881
5	Indiana Michigan	\$1,442,706	\$1,859,141	\$2,885,412	\$6,187,259
6	Northern States Xcel	\$89,002	\$115,837	\$197,747	\$402,586
7	UP Power	\$719,362	\$971,884	\$1,509,369	\$3,200,615
8	Wisconsin Electric **	\$264,328	\$321,835	\$585,745	\$1,171,908
9	WPSCorp	\$139,495	\$215,224	\$317,223	\$671,942
10	MGU (Gas)	\$1,532,721	\$2,427,332	\$3,133,121	\$7,093,173
11	SEMCO Energy (Gas)	\$3,218,624	\$4,798,745	\$6,162,764	\$14,180,133
12	WPSCorp (Gas)	\$49,087	\$72,674	\$98,220	\$219,981
13	Northern States Xcel (Gas)	\$60,440	\$100,711	\$133,542	\$294,693
13	Total	\$7,997,466	\$11,558,123	\$16,048,101	\$35,603,691
Incremental Energy Savings Targets MWh - Electric Utilities		3-yr avg	3-yr avg	3-yr avg	
		0.30%	0.50%	0.75%	
		2008-2009	2010	2011	2009-2011
1	Alpena	973	1,622	2,433	5,029
2	Bayfield (coop)	1	1	1	3
3	Daggett (muni)	5	8	11	24
4	Edison Sault ***	2,014	3,356	5,034	10,404
5	Indiana Michigan	9,159	15,265	22,897	47,321
6	Northern States Xcel	413	688	1,031	2,132
7	UP Power	2,509	4,181	6,271	12,961
8	Wisconsin Electric ***	8,414	14,023	21,034	43,470
9	WPSCorp	876	1,460	2,190	4,527
9	Total	24,362	40,603	60,904	125,869
Incremental Energy Savings Targets Mcf - Gas Utilities		3-yr avg	3-yr avg	3-yr avg	
		0.10%	0.25%	0.50%	
		2008-2009	2010	2011	2009-2011
1	MGU	30,104	75,260	150,519	255,882
2	SEMCO Energy	55,772	139,430	278,861	474,063
3	WPSCorp *	1,544	3,859	7,718	13,121
4	Northern States Xcel *	885	2,213	4,426	7,525
4	Total	88,305	220,762	441,525	750,592
KEY					
* Converted from therms assuming 10 Th = 1 Mcf					
** Self-direct deducted					
*** Includes self-direct goal					
2011 numbers and totals are estimates					

STATE OF MICHIGAN - Energy Optimization Program Spending

	Planned Spending % of Retail Revenues	Total				Residential (Including Low Income)				C&I				Low Income			
		0.75%	1.0%	1.5%		2009	2010	2011	2009-2011	2009	2010	2011	2009-2011	2009	2010	2011	2009-2011
		2009	2010	2011	2009-2011	2009	2010	2011	2009-2011	2009	2010	2011	2009-2011	2009	2010	2011	2009-2011
Electric IOUs																	
1	Alpena	\$200,594	\$295,092	\$401,190	\$896,876	\$70,208	\$103,282	\$140,416	\$313,906	\$130,386	\$191,810	\$260,773	\$582,969	\$20,059	\$29,509	\$40,119	\$89,688
2	Consumers	\$23,400,000	\$33,900,000	\$47,200,000	\$104,500,000	\$7,956,000	\$11,526,000	\$16,048,000	\$35,530,000	\$15,444,000	\$22,374,000	\$31,152,000	\$68,970,000	\$2,057,453	\$2,536,660	\$2,478,445	\$7,072,558
3	Detroit Edison	\$26,743,000	\$36,808,000	\$53,011,000	\$116,562,000	\$10,429,770	\$14,355,120	\$20,674,290	\$45,459,180	\$16,313,230	\$22,452,880	\$32,336,710	\$71,102,820	\$3,021,250	\$4,418,125	\$6,117,250	\$13,556,625
4	Edison Sault	\$279,998	\$378,335	\$559,996	\$1,218,328	\$103,599	\$139,984	\$207,198	\$450,781	\$176,399	\$238,351	\$352,797	\$767,547	\$28,000	\$37,833	\$56,000	\$121,833
5	Indiana Michigan	\$1,442,706	\$1,859,141	\$2,885,412	\$6,187,259	\$605,936	\$780,839	\$1,211,873	\$2,598,649	\$836,769	\$1,078,302	\$1,673,539	\$3,588,610	\$144,271	\$185,914	\$288,541	\$618,726
6	Northern States Wisc	\$89,002	\$115,837	\$178,003	\$382,842	\$39,161	\$50,968	\$78,322	\$168,451	\$49,841	\$64,869	\$99,682	\$214,392	\$8,900	\$11,584	\$17,800	\$38,284
7	UP Power	\$634,917	\$857,984	\$1,269,834	\$2,762,734	\$266,665	\$360,353	\$533,330	\$1,160,348	\$368,252	\$497,631	\$736,503	\$1,602,386	\$63,492	\$85,798	\$126,983	\$276,273
8	Wisconsin Electric	\$264,328	\$321,835	\$528,657	\$1,114,820	\$140,094	\$170,572	\$280,188	\$590,855	\$124,234	\$151,262	\$248,469	\$523,965	\$26,433	\$32,183	\$52,866	\$111,482
9	WPSCorp	\$128,296	\$197,210	\$256,591	\$582,097	\$39,772	\$61,135	\$79,543	\$180,450	\$88,524	\$136,075	\$177,048	\$401,647	\$12,830	\$19,721	\$25,659	\$58,210
Subtotal Electric IOUs		\$53,182,840	\$74,733,433	\$106,290,682	\$234,206,956	\$19,651,205	\$27,548,254	\$39,253,161	\$86,452,620	\$33,531,635	\$47,185,179	\$67,037,522	\$147,754,336	\$5,382,687	\$7,357,328	\$9,203,663	\$21,943,679
Electric Coops																	
10	Alger Delta	\$73,256	\$97,674	\$146,512	\$317,442	\$44,686	\$59,581	\$89,372	\$193,640	\$28,570	\$38,093	\$57,140	\$123,802	\$7,326	\$9,767	\$14,651	\$31,744
11	Bayfield	\$240	\$336	\$480	\$1,055	\$146	\$205	\$293	\$644	\$94	\$131	\$187	\$412	\$24	\$34	\$48	\$106
12	Cherryland	\$272,092	\$362,789	\$544,183	\$1,179,064	\$165,976	\$221,301	\$331,952	\$719,229	\$106,116	\$141,488	\$212,232	\$459,835	\$27,209	\$36,279	\$54,418	\$117,906
13	Cloverland	\$146,169	\$194,889	\$292,339	\$633,401	\$89,163	\$118,885	\$178,327	\$386,375	\$57,006	\$76,008	\$114,012	\$247,026	\$14,617	\$19,489	\$29,234	\$63,340
14	Great Lakes	\$1,039,527	\$1,386,036	\$2,079,054	\$4,504,617	\$634,112	\$845,482	\$1,268,223	\$2,747,817	\$405,416	\$540,554	\$810,831	\$1,756,801	\$103,953	\$138,604	\$207,905	\$450,462
15	Midwest	\$393,915	\$525,220	\$787,829	\$1,706,963	\$240,288	\$320,384	\$480,576	\$1,041,248	\$153,627	\$204,836	\$307,253	\$665,716	\$39,391	\$52,522	\$78,783	\$170,696
16	Ontonagon	\$35,265	\$47,020	\$70,530	\$152,816	\$21,512	\$28,682	\$43,024	\$93,218	\$13,753	\$18,338	\$27,507	\$59,598	\$3,527	\$4,702	\$7,053	\$15,282
17	Presque Isle	\$207,579	\$276,772	\$415,158	\$899,510	\$126,623	\$168,831	\$253,247	\$548,701	\$80,956	\$107,941	\$161,912	\$350,809	\$20,758	\$27,677	\$41,516	\$89,951
18	Thumb	\$113,324	\$151,099	\$226,649	\$491,073	\$69,128	\$92,171	\$138,256	\$299,554	\$44,197	\$58,929	\$88,393	\$191,518	\$11,332	\$15,110	\$22,665	\$49,107
19	Tri-County	\$260,039	\$346,718	\$520,077	\$1,126,834	\$158,624	\$211,498	\$317,247	\$687,369	\$101,415	\$135,220	\$202,830	\$439,465	\$26,004	\$34,672	\$52,008	\$112,683
Subtotal Electric Coops		\$2,541,406	\$3,388,558	\$5,082,812	\$11,012,776	\$1,550,258	\$2,067,020	\$3,100,515	\$6,717,794	\$991,148	\$1,321,538	\$1,982,297	\$4,294,983	\$254,141	\$338,856	\$508,281	\$1,101,278
Municipals																	
20	Baraga	\$15,818	\$21,210	\$35,150	\$72,178												
21	Crystal Falls	\$12,578	\$16,900	\$26,125	\$55,603												
22	EsCANABA	\$103,410	\$134,090	\$211,340	\$448,840												
23	Gladstone	\$25,230	\$36,682	\$60,613	\$122,525												
24	L'Anse	\$11,198	\$14,680	\$24,266	\$50,144												
25	Marquette	\$165,308	\$241,669	\$382,153	\$789,130	\$118,017	\$179,496	\$247,896	\$545,409	\$206,151	\$342,937	\$456,842	\$1,005,930	\$22,005	\$34,358	\$46,710	\$103,073
26	Negaunee	\$20,880	\$32,735	\$56,445	\$110,060												
27	Newberry	\$13,327	\$18,135	\$28,462	\$59,924												
28	Norway	\$23,828	\$33,511	\$55,828	\$113,167												
29	Stephenson	\$4,433	\$6,165	\$10,040	\$20,638												
30	Bay City	\$138,032	\$248,748	\$437,876	\$824,656	\$63,917	\$126,362	\$221,802	\$412,081	\$61,695	\$100,020	\$176,699	\$338,414	\$20,700	\$37,275	\$65,625	\$123,600
31	Charlevoix	\$30,887	\$51,319	\$78,841	\$161,047	\$8,562	\$16,890	\$25,946	\$51,398	\$19,535	\$29,794	\$45,785	\$95,114	\$1,860	\$3,090	\$4,740	\$9,690
32	Chelsea	\$40,150	\$76,474	\$118,653	\$235,277	\$10,203	\$18,030	\$27,531	\$55,764	\$26,346	\$51,559	\$80,457	\$158,362	\$2,000	\$3,825	\$5,925	\$11,750
33	Clinton	\$13,016	\$17,998	\$27,049	\$58,063	\$4,901	\$8,268	\$12,180	\$25,349	\$6,945	\$8,110	\$12,439	\$27,494	\$650	\$900	\$1,350	\$2,900
34	Coldwater	\$138,164	\$244,601	\$376,245	\$759,010	\$26,179	\$57,066	\$88,955	\$172,200	\$99,565	\$165,530	\$253,450	\$518,545	\$11,040	\$19,560	\$30,080	\$60,680
35	Croswell	\$17,309	\$30,767	\$46,656	\$94,732	\$4,640	\$7,990	\$12,486	\$25,116	\$11,094	\$20,005	\$29,985	\$61,084	\$1,750	\$3,080	\$4,650	\$9,480
36	Detroit PLD	\$248,223	\$382,541	\$557,496	\$1,188,260	\$358	\$547	\$858	\$1,763	\$225,545	\$347,569	\$506,463	\$1,079,577	\$248	\$383	\$558	\$1,189
37	Dowagiac	\$37,055	\$57,352	\$85,062	\$179,469	\$9,660	\$14,624	\$21,391	\$45,675	\$24,065	\$37,552	\$56,021	\$117,638	\$1,850	\$2,875	\$4,250	\$8,975
38	Eaton Rapids	\$23,362	\$37,966	\$60,849	\$122,177	\$9,757	\$16,481	\$23,097	\$49,335	\$11,490	\$18,065	\$32,262	\$61,817	\$1,880	\$3,040	\$4,880	\$9,800
39	Grand Haven	\$127,820	\$214,586	\$331,878	\$674,284	\$42,568	\$75,645	\$117,606	\$235,819	\$73,732	\$119,636	\$184,393	\$377,761	\$3,840	\$6,435	\$9,960	\$20,235
40	Harbor Springs	\$15,588	\$28,757	\$45,255	\$89,600	\$7,038	\$12,491	\$17,796	\$37,325	\$7,155	\$13,656	\$23,319	\$44,130	\$155	\$290	\$460	\$905
41	Hart	\$17,543	\$30,329	\$45,445	\$93,317	\$3,685	\$6,081	\$8,651	\$18,417	\$12,283	\$21,502	\$32,699	\$66,484	\$525	\$915	\$1,365	\$2,805
42	Hillsdale	\$48,283	\$116,893	\$180,761	\$345,937	\$19,498	\$38,231	\$57,037	\$114,766	\$24,465	\$68,132	\$107,479	\$200,076	\$4,800	\$11,700	\$18,050	\$34,550
43	Holland	\$481,021	\$758,511	\$1,175,025	\$2,414,557	\$125,942	\$235,695	\$364,547	\$726,184	\$311,789	\$454,511	\$704,728	\$1,471,028	\$38,480	\$60,680	\$94,000	\$193,160
44	LBWL	\$1,233,638	\$1,727,656	\$2,743,503	\$5,704,797	\$485,892	\$616,310	\$969,924	\$2,072,126	\$632,638	\$902,145	\$1,620,486	\$3,155,269	\$85,610	\$116,410	\$198,660	\$400,680
45	Lowell	\$28,142	\$50,719	\$79,306	\$158,167	\$8,867	\$20,077	\$35,472	\$54,416	\$16,755	\$26,098	\$46,724	\$89,577	\$2,240	\$4,040	\$6,320	\$12,600
46	Marshall	\$53,134	\$80,949	\$128,007	\$262,090	\$8,555	\$19,904	\$30,189	\$58,648	\$39,810	\$53,755	\$86,298	\$179,863	\$2,650	\$4,050	\$6,400	\$13,100
47	Niles	\$65,309	\$108,633	\$170,160	\$344,102	\$24,116	\$41,475	\$70,060	\$135,651	\$35,298	\$57,078	\$83,900	\$176,276	\$3,275	\$5,600	\$9,000	\$17,875
48	Paw Paw	\$18,406	\$32,112	\$48,880	\$99,398	\$6,225	\$10,092	\$15,461	\$31,778	\$10,516	\$19,140	\$29,009	\$58,665	\$1,850	\$3,200	\$4,900	\$9,950
49	Petoskey	\$34,052	\$91,262	\$141,055	\$266,369	\$12,370	\$24,234	\$38,121	\$74,725	\$18,622	\$58,838	\$90,244	\$167,704	\$2,720	\$7,280	\$11,280	\$21,280
50	Portland	\$15,262	\$27,598	\$43,750	\$86,610	\$7,931	\$12,840	\$20,311	\$41,082	\$5,981	\$12,282	\$19,524	\$37,787	\$750	\$1,375	\$2,175	\$4,300
51	Sebewaing	\$23,936	\$32,448	\$49,412	\$105,796	\$5,887	\$12,597	\$16,632	\$35,116	\$12,517	\$19,237	\$30,748	\$62,502	\$2,233	\$3,850	\$5,720	\$11,803
52	South Haven	\$60,859	\$105,805	\$164,559	\$331,223	\$14,643	\$26,136	\$45,838	\$86,617	\$40,726	\$70,129	\$103,916	\$214,771	\$1,220	\$2,120	\$3,290	\$6,630
53	St. Louis	\$19,067	\$33,451	\$51,172	\$103,690	\$6,494	\$10,828	\$16,828	\$34,150	\$10,863	\$19,607	\$29,754	\$60,224	\$1,520	\$2,680	\$4,080	\$8,280
54	Sturgis	\$108,982	\$188,781	\$283,879	\$581,642	\$28,738	\$43,626	\$63,258	\$135,622</								

STATE OF MICHIGAN

Energy Optimization MWH Targets

MWH Targets		Total			
% of MWH Sales		0.30%	0.50%	0.75%	
		2009	2010	2011	2009-2011
Electric IOUs					
1	Alpena	973.00	1,622.00	2,433.00	5,028.00
2	Consumers	107,939.00	178,509.00	262,700.00	549,148.00
3	Detroit Edison	145,938.00	225,214.00	333,674.00	704,826.00
4	Edison Sault	2,014.00	3,356.00	5,034.00	10,404.00
5	Indiana Michigan	9,159.00	15,265.00	22,897.00	47,321.00
6	Northern States Wisc	413.00	688.00	1,031.00	2,132.00
7	UP Power	2,509.00	4,181.00	6,271.00	12,961.00
8	Wisconsin Electric	8,414.00	14,023.00	21,034.00	43,471.00
9	WPSCorp	876.00	1,460.00	2,190.00	4,526.00
Subtotal		278,235.00	444,318.00	657,264.00	1,379,817.00
Electric Coops					
10	Alger Delta				
12	Cherryland				
13	Cloverland				
14	Great Lakes				
15	Midwest	10,731.00	16,885.00	24,426.00	52,042.00
16	Ontonagon				
17	Presque Isle				
18	Thumb				
19	Tri-County				
11	Bayfield	1.00	1.00	1.00	3.00
Subtotal		10,732.00	16,886.00	24,427.00	52,045.00
Municipals					
20	Baraga	59.00	100.00	150.00	309.00
21	Crystal Falls	51.00	84.00	124.00	259.00
22	EsCANABA	461.00	751.00	1,104.00	2,316.00
23	Gladstone	98.00	161.00	239.00	498.00
24	L'Anse	42.00	65.00	88.00	195.00
25	Marquette	941.00	1,593.00	2,435.00	4,969.00
26	Negaunee	65.00	103.00	144.00	312.00
27	Newberry	51.00	95.00	144.00	290.00
28	Norway	92.00	157.00	240.00	489.00
29	Stephenson	18.00	30.00	45.00	93.00
30	Bay City	971.80	1,619.50	2,424.60	5,015.90
31	Charlevoix	202.76	325.40	481.74	1,009.89
32	Chelsea	266.00	478.00	722.00	1,466.00
33	Clinton	73.60	112.91	161.82	348.33
34	Coldwater	884.00	1,514.00	2,274.00	4,672.00
35	Croswell	110.00	189.00	281.00	580.00
36	Detroit PLD	1,618.00	2,524.00	3,673.00	7,815.00
37	Dowagiac	239.50	359.20	518.50	1,117.20
38	Eaton Rapids	280.59	463.48	696.32	1,440.39
39	Grand Haven	872.60	1,421.00	2,092.00	4,385.60
40	Harbor Springs	111.76	190.29	282.32	584.37
41	Hart	115.38	189.23	278.17	582.78
42	Hillsdale	427.00	714.00	1,061.00	2,202.00
43	Holland	3,205.00	5,011.00	7,136.00	15,352.00
44	LBWL	6,830.00	11,306.00	17,165.00	35,301.00
45	Lowell	198.23	321.95	478.10	998.28
46	Marshall	357.70	579.10	860.50	1,797.30
47	Niles	439.70	695.70	1,030.00	2,165.40
48	Paw Paw	116.02	193.64	286.71	596.37
49	Petoskey	344.62	559.86	836.50	1,740.98
50	Portland	106.80	179.10	267.50	553.40
51	Sebewaing	124.91	213.49	304.33	642.72
52	South Haven	411.00	699.00	1,048.00	2,158.00
53	St. Louis	119.93	198.58	293.93	612.44
54	Sturgis	720.00	1,198.00	1,753.00	3,671.00
55	Traverse City	991.00	1,631.00	2,428.00	5,050.00
56	Union City	46.60	78.60	117.60	242.80
57	Wakefield	38.18	65.09	99.08	202.35
58	Wyandotte	835.00	1,391.00	2,181.00	4,407.00
59	Zeeland	1,099.00	1,365.00	2,022.00	4,486.00
60	Daggett	5.00	8.00	11.00	24.00
Subtotal		24,039.67	38,933.10	57,977.72	120,950.49
60	Total	313,006.67	500,137.10	739,668.72	1,552,812.49

Electric Coops 10-19
filed seperatly but are
using a joint plan for
EO program targets.

STATE OF MICHIGAN
MCF Targets for Gas Companies

MCF Targets		Total			
% of MCF Sales		0.10%	0.25%	0.50%	
		2009	2010	2011	2009-2011
1	Consumers				
	Sales	233,965.00	582,175.00	1,150,567.00	1,966,707.00
	Transportation	65,658.00	161,768.00	319,695.00	547,121.00
	Consumers Total	299,623.00	743,943.00	1,470,262.00	2,513,828.00
2	MichCon				
	Sales	167,978.00	407,555.00	791,670.00	1,367,203.00
	Transportation	7,622.00	19,045.00	38,430.00	65,097.00
	MichCon Total	175,600.00	426,600.00	830,100.00	1,432,300.00
3	MGU				
	Sales	19,659.00	49,148.00	98,294.00	167,101.00
	Transportation	10,445.00	26,112.00	52,225.00	88,782.00
	MGU Total	30,104.00	75,260.00	150,519.00	255,883.00
4	SEMCO Energy				
	Sales	38,872.00	97,181.00	194,363.00	330,416.00
	Transportation	16,900.00	42,249.00	84,498.00	143,647.00
	SEMCO Energy Total	55,772.00	139,430.00	278,861.00	474,063.00
5	WPSCorp				
	Sales	641.00	1,601.00	3,203.00	5,445.00
	Transportation	903.00	2,258.00	4,515.00	7,676.00
	WPSCorp Total	1,544.00	3,859.00	7,718.00	13,121.00
6	Northern States Wisc				
	Sales	885.00	2,213.00	4,426.00	7,524.00
	Transportation	-	-	-	-
	Northern State Wisc Total	885.00	2,213.00	4,426.00	7,524.00
	Subtotal Sales	462,000.00	1,139,873.00	2,242,523.00	3,844,396.00
	Subtotal Transportation	101,528.00	251,432.00	499,363.00	852,323.00
6	Total	563,528.00	1,391,305.00	2,741,886.00	4,696,719.00

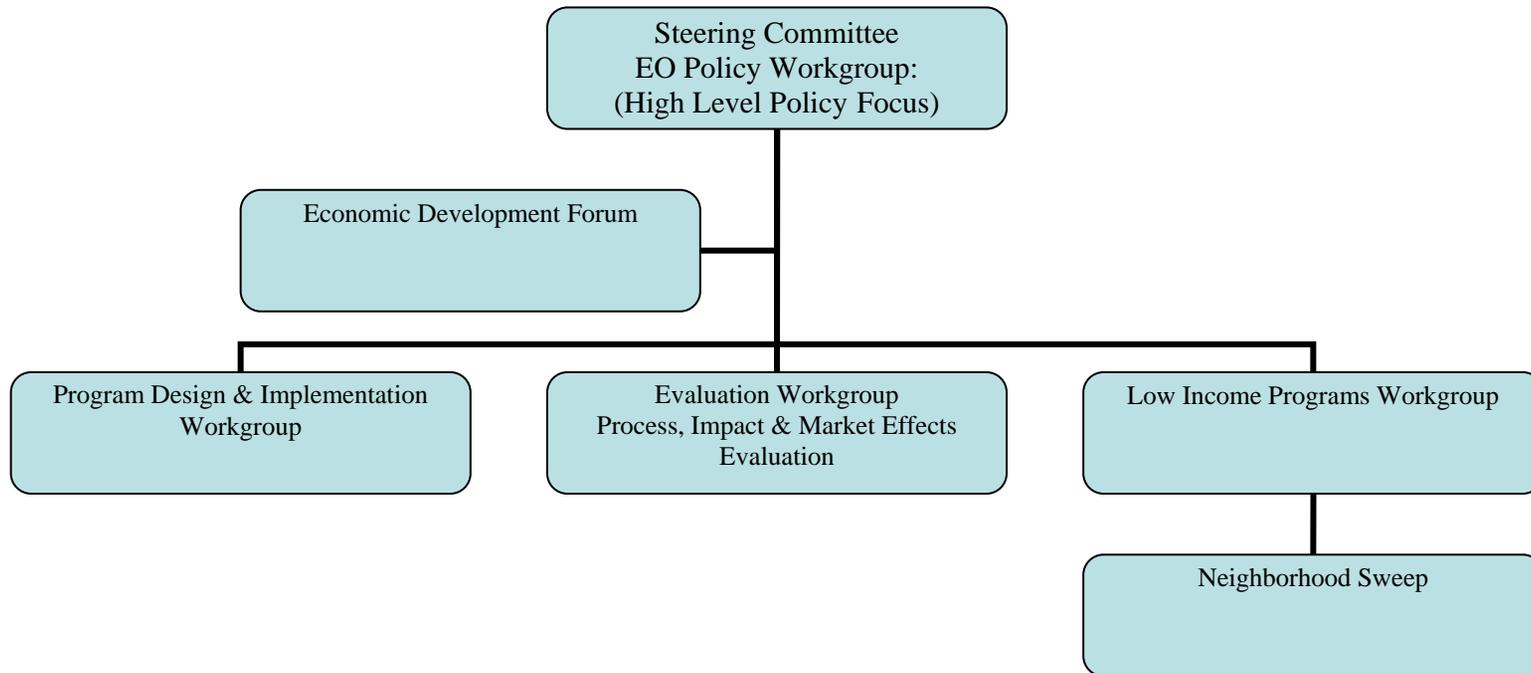
EO Surcharges by Company

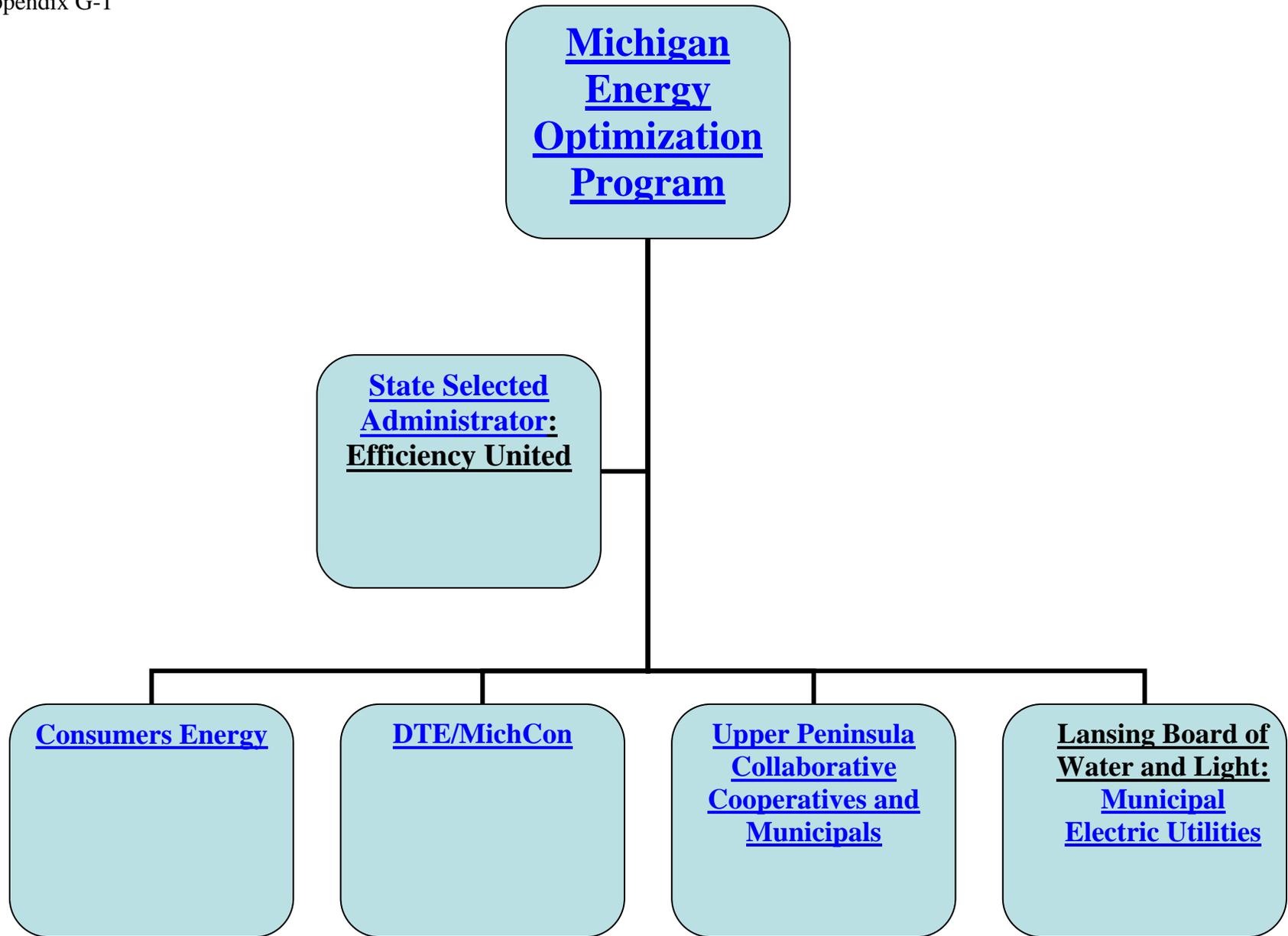
Electric Coops		Case No.	Plan Approved												
Alger Delta Coop Elec	U-15813	5/12/2009	Farm and Home (A)	Seasonal Residential (AS)	Combined Residential	Commercial & Small Power (B)	Large Power (LP)								
Rate			0.00218 \$/kwh			\$1.97	\$35.48								
Cherryland Elec Coop	U-15815	5/12/2009	Farm and Home (A)	Seasonal Residential (A-S)	Combined Residential	General Service (C)	Optional Irrigation TOD (OTD)	Large Power (LP)	Optional Large Power TOD (LPTOD)	Large Commercial & Industrial (LC&I)	Primary Substation (PSDS)				
Rate			0.00143 \$/kwh			\$1.64	\$26.36	\$247.81	\$497.36						
Cloverland Electric Coop.	U-15816	5/12/2009	Farm and Home (FH) (ES)	Seasonal Residential (SR)	Combined Residential	General Service (GS)	Seasonal General Service (SG)	Commercial Heating and A/C (HA)	Large Power (LP)	Large Power Mining (LP-MO)	Primary Service (PSDS)				
Rate			\$0.00139			\$1.53	\$54.92								
Great Lakes Energy Coop	U-15817	5/12/2009	Residential (A)	Seasonal Residential (AS)	Combined Residential	General Service (GS)	Large Power (LP)	C&I APM (C-APM)	C&I APM (D-APM)	Primary Service (PSDS)					
Rate			0.00158 \$/kwh			\$2.85	\$533.14								
Midwest Energy Coop	U-15818	5/12/2009	Farm and Home Service (A) \$/kwh	Int Duel Heating (I-DSH)	Combined Residential	General Service (GS)	Irrigation (IRR)	Large Power Service (LP)	Large Power >200 kW (CD-1)	Primary & Contracts (LPPS)					
Rate			\$1.25	\$0.56	\$1.24	\$1.34	\$3.34	\$31.39	\$196.03	\$1,416.58					
Ontonagon County Rural Elec.	U-15819	5/12/2009	Residential (A, AH)	Seasonal Residential (A-S)	Combined Residential	General Service (B)	Large Power (LP)	Large Power (LP-1)							
Rate			0.00242 \$/kwh			\$2.26	\$14.93	\$77.70							
Presque Isle Elec & Coop	U-15820	5/12/2009	Residential (A)	Seasonal Residential (AS)	Combined Residential	General Service (GS)	Large General Service (LG and LPTOD)	Primary Service (PSDS)							
Rate			0.00164 \$/kwh			\$2.68	\$45.73	\$430.87							
Thumb Elec. Coop	U-15821	5/12/2009	Farm and Home (A)	S)	Combined Residential	(GS)	(LGS)	Dist. Substation	Service TOD	General Service					
Rate			0.00133 \$/kwh			\$2.07	\$118.35	\$167.00	\$1.89	\$0.63					
Tri-County Elec. Coop/Homeworks	U-15822	5/12/2009	Farm and Home Service (A) \$/kwh	General Service	Irrigation TOD Service	Large Power Service (CD)	Large Power TOD Service (CD-1)	Primary Service (PSDS)							
Rate			\$0.00149	\$1.29	\$15.67	\$30.21	\$29.43	\$889.24							
Bayfield Elec. Coop	U-15814	6/2/2009													
Ave per customer/mo															
Rate			State EO Administrator -												
Ave increase/customer															
Electric IOUs															
Alpena Power	U-15804	5/12/2009	Residential \$/kwh	General Service	Standard	Large Power	Large Power	Large Industrial below 13 kV	Large Industrial above 13 kV	Alt Energy Econ Dev	Outdoor Protective Lighting 100 watt	Outdoor Protective Lighting 200 watt	Street & Highway	Special Contract	
Rate			\$0.00130	\$1.33	\$18.83	\$162.72	\$162.72	\$573.50	\$2,744.32	\$324.92	\$0.13	\$0.23	\$0.12	\$3,775.03	
Consumers Energy	U-15805	5/26/2009	Residential \$/kwh	Secondary 0-1250 kwh	Secondary 1251-5000 kwh	Secondary 5001-30000 kwh	Secondary 30001-50000 kwh	Secondary Above 50000 kwh	Primary 0-5000 kwh	Primary 5001-10000 kwh	Primary 10001-30000 kwh	Primary 30001-50000 kwh	Primary above 50000 kwh		
Proposed Rate			\$0.00143	\$0.96	\$5.38	\$32.27	\$32.27	\$32.27	\$2.99	\$22.84	\$57.04	\$113.51	\$422.23		

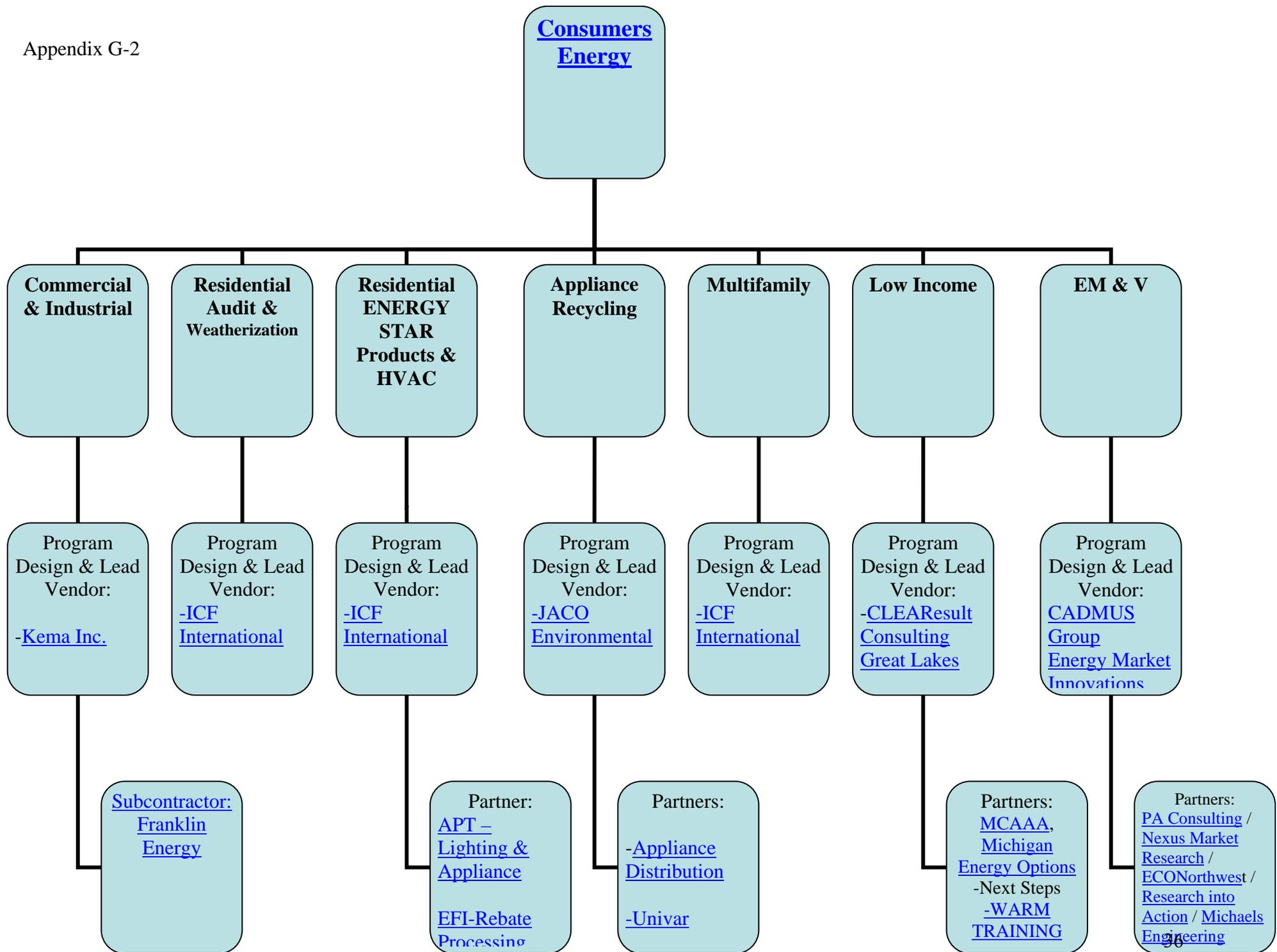
Detroit Edison	U-15806	6/2/2009	Residential \$/kwh	Secondary 0 - 850 kWh/mo	Secondary 851-1650 kWh/mo	Sec Above 1650 kWh/mo	Primary 0 - 11500 kWh/mo	Primary Above 11501 kWh/mo										
Rate			\$0.00108	\$0.24	\$1.42	\$6.16	\$28.32	\$283.32										
Edison Sault	U-15807	5/12/2009	Residential \$/kwh	Small Commercial	Large Commercial	Industrial	Industrial TOD	Outdoor Lighting	Street Lighting									
Rate			\$0.001168	\$3.40	\$118.65	\$423.16	\$937.02	\$0.11	\$0.12									
Indiana Michigan	U-15808	5/12/2009	Residential \$/kwh	C&I SGS	C&I SEC MGS TOD	C&I MGS PRI WSS PRI	C&I LGS SEC LGS PRI	C&I MS	C&I WSS SEC	C&I LP PRI SUB	C&I LP Tran	C&I QP PRI	C&I QP SUB					
Rate			\$0.00081	\$2.76	\$2.76	\$2.76	\$157.39	\$2.76	\$2.76	\$157.39	\$157.39	\$157.39	\$157.39					
NSP-Wisc (Elec.)	U-15809	5/12/2009	Residential CO1,2 \$/kwh	Small Commercial C9,10,	Commercial C11 TOD	Commercial C12, 21	Industrial C13,20 sec	Industrial C20 trans	Lighting CO4, 30	Muni Pump Service								
Rate			\$0.0013	\$1.48	\$1.48	\$14.15	\$92.51	\$1,020.87	\$0.13	\$1.48								
Wisc. Elec Power Co	U-15812	5/26/2009	Residential \$/kwh	Cg1	Cg2	Cg3 & Cg3C	Cg5	Cp1	Cp2, Cp3 & Cp4	Schedule A	Spec Con (CpLC)	Spec Con (non-CpLC)	Ms1	Unmetered lamps G11	Unmetered lamps Ms21	Unmetered lamps Ms3		
Rate			\$0.00130	\$0.10113	\$0.18515	\$2.21664	\$0.18413	\$9.56129	\$71.08290	\$502.85126	\$1,055.49909	\$68.44804	\$0.03692	\$0.05-0.40	\$0.05-0.40	\$0.05-0.40		
Wisc. PSC (Elec)	U-15811	5/26/2009	Residential RG1, RG1T, RG2, RG2T \$/kwh	Small Comm CG1MI, CG1TMI, CG2MI, CG2TMI	Small Comm Cg1M seasonal, Cg24m seasonal, Cg-OTOU1M seasonal	Medium Comm Cg3M, Cg4M, Mp1M	Medium Comm Cg3M seasonal, Cg4M seasonal	Large C&I PG3, PG2, NatR, NatF	Lighting, MS3, MS1, GY3, GY1									
Rate			\$0.0013	\$2.13	\$4.26	\$27.58	\$55.16	\$256.05	\$0.14									
*Ave change per category																		
Upper Peninsula Power	U-15810	5/26/2009	Residential A1,2,AH1,2 \$/kwh	Small Comm C1,1W, 2,2W,H1,2	Medium Commercial P1,2	Lg Commercial CPI, ERER, SCH A, UGDS, UT1, CPRMI, RTMPMI, WP1D, WP1T, WP2, WP3	Lighting SL, Z	Special Contract										
Rate			\$0.0021	\$2.47	\$27.67	\$442.82	\$0.18	\$632.32										
Natural Gas IOUs																		
Consumers Energy Gas	U-15889	5/26/2009	Residential (Ccf)	General Service (0-100,000 Mcf)	General Service (Above 100,000 Mcf)	Transportation (0-100,000 Mcf)	Transportation (Above 100,000 Mcf)											
Rate			\$0.0172	\$0.1588	\$0.0053	\$0.1588	\$0.0053											
MichCon Gas	U-15890	6/2/2009	Residential A, AS (Ccf)	Residential 2A,GS1 (Ccf)	Large Volume <100,000 Mcf per Ccf	Large Volume >100,000 per Ccf	School, per Ccf	Small Volume Transport per Ccf	Large, Extra Large Volume Transport per Ccf									
Rate			\$0.0088	\$0.0116	\$0.0116	\$0.0007	\$0.0116	\$0.0007	\$0.0007									
MGU	U-15891	5/26/2009	Residential (Ccf)	Multi-Family	Sm General Service	Lg General Service	Commercial Lighting	Special Contracts	Transportation, TR-1	Transportation, TR-2	Transportation, TR-3							
Rate			\$0.0124		\$3.82	\$77.09	\$4.70	\$111.12	\$18.66	\$50.81	\$114.61							
NSP-Wisc	U-15892	5/12/2009	Residential \$/therm	C&I 302 /meter	C&I 303 /meter	C&I 304 /meter	C&I Transportation /meter											
Rate			\$0.0145	\$5.02	\$86.39	\$468.79	\$5.02											
SEMCO Energy	U-15893	5/26/2009	Residential (Ccf)	GS-1	GS-2	GS-3	TR-1	TR-2	TR-3									
Rate			\$0.0152	\$2.41	\$13.94	\$66.09	\$30.56	\$93.98	\$197.26									
Wisc. PSC (Gas)	U-15894	5/26/2009	Residential \$/Therm	C&I small	C&I small seasonal	C&I large	Tran medium	Transport Large	Transport Super Large									
Rate			\$0.0140	\$2.14	\$4.28	\$30.09	-----	\$11.45	\$105.33									

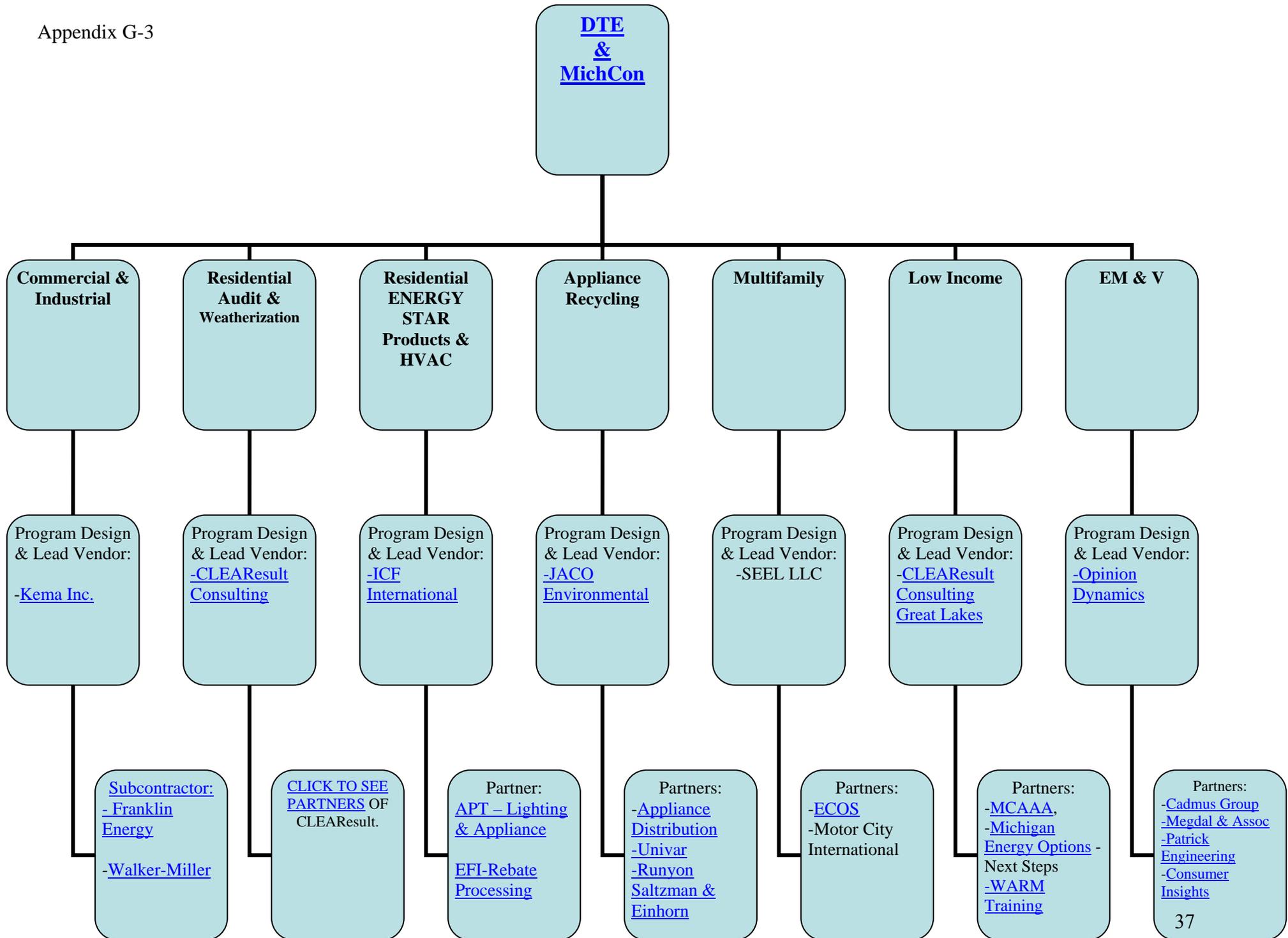
Residential EO Surcharges & Average Monthly Total				
Electric Municipals	Case No.	Plan Approval Date	EO Surcharge \$/mo. Residential - Assume 500 kwh/mo customer	EO Residential surcharge per \$/kwh
Village of Baraga	U-15848	7/1/2009	\$0.7000	0.0014
City of Bay City	U-15849	7/1/2009	\$0.4125	0.000825
City of Charlevoix	U-15850	7/1/2009	\$0.5750	0.00115
Chelsea Department of Electric and Water	U-15851	7/1/2009	\$0.5000	0.001
Village of Clinton	U-15852	7/1/2009	\$0.6500	0.0013
Coldwater Board of Public Utilities	U-15853	7/1/2009	\$1.2600	0.00252
Croswell Municipal Light & Power Department	U-15854	7/1/2009	\$0.8450	0.00169
City of Crystal Falls	U-15855	7/1/2009	\$0.7300	0.00146
Daggett Electric Department	U-15856	10/13/2009	TBD	
Detroit Public Lighting Department	U-15857	7/1/2009	\$0.7500	0.0015
City of Dowagiac	U-15858	7/1/2009	\$0.5000	0.001
City of Eaton Rapids	U-15859	7/1/2009	\$0.4000	0.0008
City of Escanaba	U-15860	7/1/2009	\$0.6850	0.00137
City of Gladstone	U-15861	7/1/2009	\$0.8000	0.0016
Grand Haven Board of Light and Power	U-15862	7/1/2009	\$0.6900	0.00138
City of Harbor Springs	U-15863	7/1/2009	\$0.4300	0.00086
City of Hart Hydro	U-15864	7/1/2009	\$0.6500	0.0013
Hillsdale Board of Public Utilities	U-15865	7/1/2009	\$0.8200	0.00164
Holland Board of Public Works	U-15866	7/1/2009	\$0.6865	0.001373
Village of L'Anse	U-15867	7/1/2009	\$0.7900	0.00158
Lansing Board of Water & Light	U-15868	7/1/2009	\$0.7390	0.001478
Lowell Light and Power	U-15869	7/1/2009	\$0.4020	0.000804
Marquette Board of Light and Power	U-15870	7/1/2009	\$0.5450	0.00109
Marshall Electric Department	U-15871	7/1/2009	\$0.1285	0.000257
Negaunee Department of Public Works	U-15872	7/1/2009	\$0.8200	0.00164
Newberry Water and Light Board	U-15873	7/1/2009	\$0.6850	0.00137
Niles Utility Department	U-15874	7/1/2009	\$0.5350	0.00107
City of Norway	U-15875	7/1/2009	\$0.8200	0.00164
City of Paw Paw	U-15876	7/1/2009	\$0.5995	0.001199
City of Petoskey	U-15877	7/1/2009	\$0.9107	0.0018214
City of Portland	U-15878	7/1/2009	\$0.6600	0.00132
City of Sebewaing	U-15879	7/1/2009	\$0.8700	0.00174
City of South Haven	U-15880	7/1/2009	\$0.3800	0.00076
City of St. Louis	U-15881	7/1/2009	\$0.3250	0.00065
City of Stephenson	U-15882	7/1/2009	\$0.6400	0.00128
City of Sturgis	U-15883	7/1/2009	\$0.5600	0.00112
Traverse City Light & Power	U-15884	7/1/2009	\$0.5650	0.00113
Union City Electric Department	U-15885	7/1/2009	\$0.4475	0.000895
City of Wakefield	U-15886	7/1/2009	\$0.2500	0.0005
Wyandotte Department of Municipal Service	U-15887	7/1/2009	\$0.7405	0.001481
Zeeland Board of Public Works	U-15888	7/1/2009	0.35/meter	
		AVERAGE:	\$0.6281	\$0.0013
Electric Coops	Case No.	Plan Approval Date	EO Surcharge \$/mo Residential Assume 500 kwh/mo customer	EO Residential surcharge per \$/kwh
Alger Delta Coop Elec	U-15813	5/12/2009	\$1.09	0.00218
Cherryland Elec Coop	U-15815	5/12/2009	\$0.72	0.00143
Cloverland Electric Coop.	U-15816	5/12/2009	\$0.70	0.00139
Great Lakes Energy Coop	U-15817	5/12/2009	\$0.79	0.00158
Midwest Energy Coop	U-15818	5/12/2009	\$0.62	0.00124
Ontonagon County Rural Elec.	U-15819	5/12/2009	\$1.21	0.00242
Presque Isle Elec & Coop	U-15820	5/12/2009	\$0.82	0.00164
Thumb Elec. Coop	U-15821	5/12/2009	\$0.67	0.00133
Tri-County Elec. Coop/Homeworks	U-15822	5/12/2009	\$0.75	0.00149
Bayfield Elec. Coop	U-15814	6/2/2009		
		AVERAGE:	\$0.82	0.001633333
Electric IOUs	Case No.	Plan Approval Date	EO Surcharge \$/mo Residential Assume 500 kwh/mo customer	EO Residential surcharge per \$/kwh
Alpena Power	U-15804	5/12/2009	\$0.65	0.0013
Consumers Energy	U-15805	5/26/2009	\$0.72	0.00143
Detroit Edison	U-15806	6/2/2009	\$0.54	0.001081
Edison Sault	U-15807	5/12/2009	\$0.58	0.001168
Indiana Michigan	U-15808	5/12/2009	\$0.41	0.00081
NSP-Wisc (Elec.)	U-15809	5/12/2009	\$0.65	0.0013
Wisc. Elec Power Co	U-15812	5/26/2009	\$0.65	0.0013
Wisc. PSC (Elec)	U-15811	5/26/2009	\$0.65	0.0013
Upper Peninsula Power	U-15810	5/26/2009	\$1.05	0.0021
		AVERAGE:	\$0.65	0.001309889
Natural Gas IOUs	Case No.	Plan Approval Date	EO Surcharge \$/mo Residential - Assume 100 CCF/mo customer	EO Residential surcharge \$/ccf
Consumers Energy Gas	U-15889	5/26/3009	\$1.72	0.01722
MichCon Gas	U-15890	6/2/2009	\$0.88	0.0088
MGU	U-15891	5/26/2009	\$1.24	0.01239
NSP-Wisc	U-15892	5/12/2009	\$1.45	0.0145
SEMCO Energy	U-15893	5/26/2009	\$1.52	0.0152
Wisc. PSC (Gas)	U-15894	5/26/2009	\$1.40	0.014
		AVERAGE:	\$1.37	0.013685
STATE OVERALL AVERAGE:			\$0.73	\$0.0045

Michigan Public Service Commission
Energy Optimization Collaborative Workgroup Structure



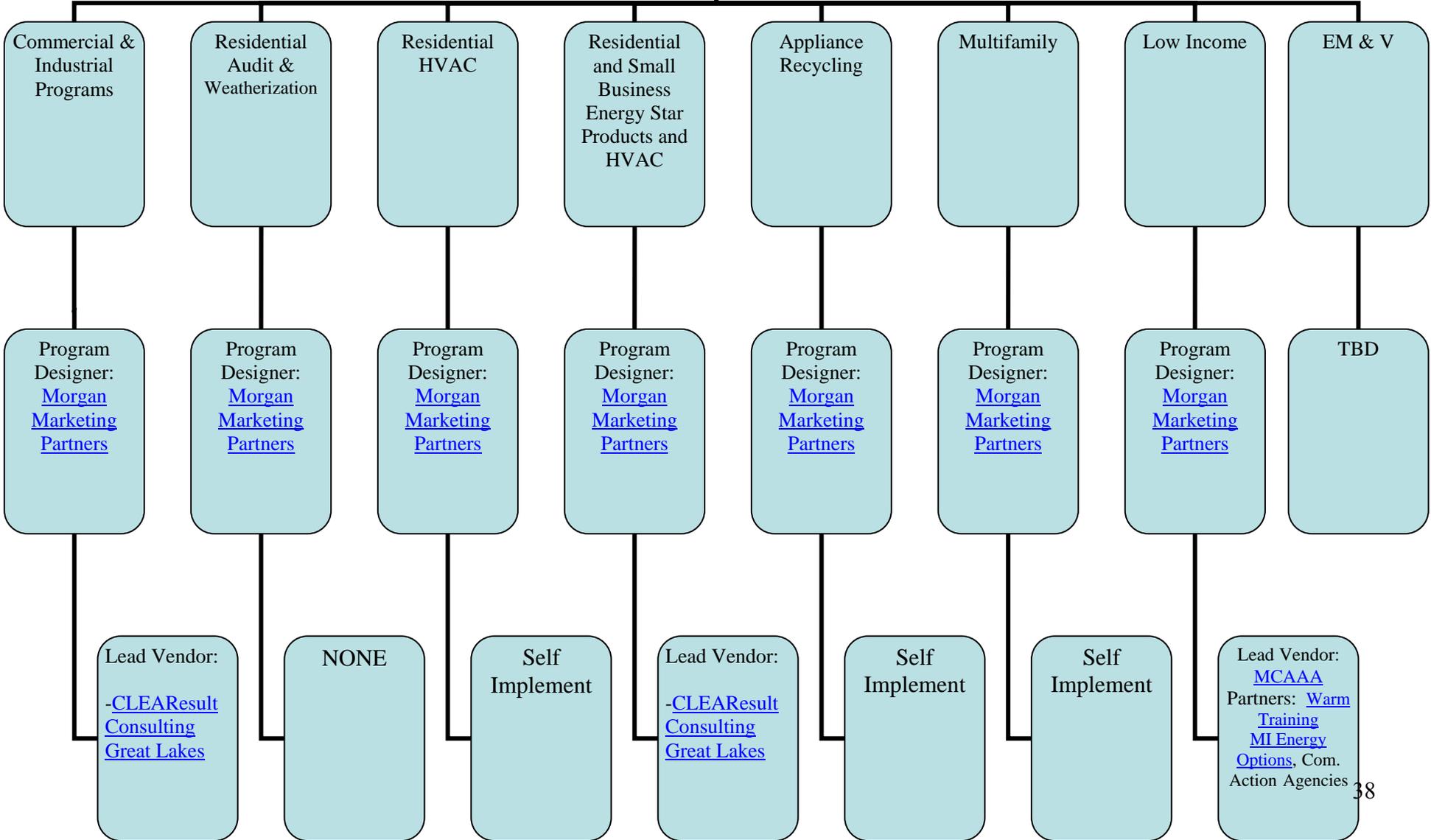






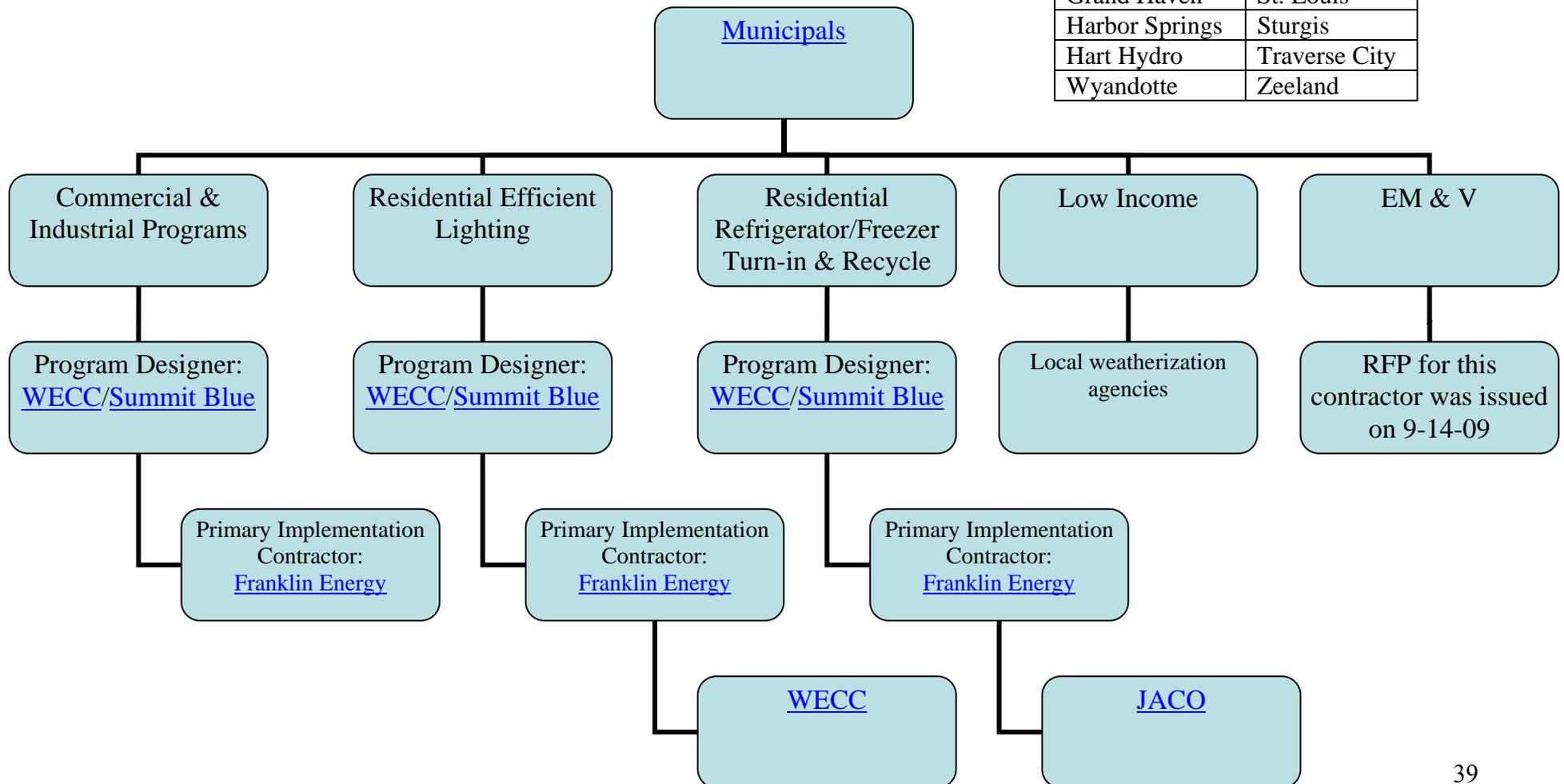
Upper Peninsula Collaborative Cooperatives and Municipals

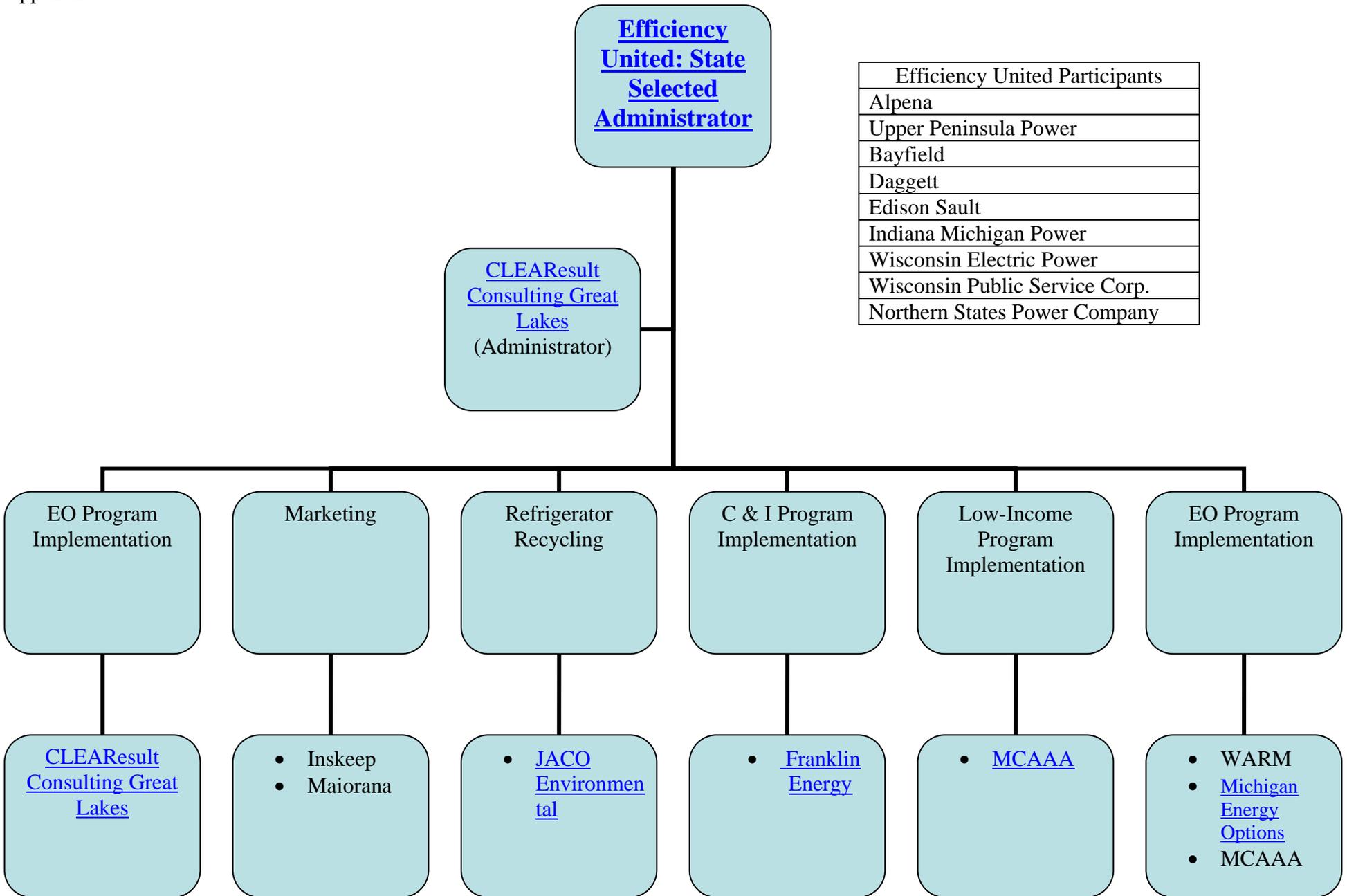
UP Collaborative Coops / Muni Participants:	
Alger Delta	Baraga
Cloverland	Crystal Falls
Great Lakes	Escanaba
Midwest	Gladstone
Ontonagon	L'Anse
Presque Isle	Marquette
Thumb	Negaunee
Tri-County (Homeworks)	Newberry
Norway	Stephenson



Self Implementing Programs:	
Wakefield	Cherryland
Union City	Clinton
Coldwater	Hillsdale
Marshall	

Lansing Board of Water & Light Municipal Participants:	
LBWL	Holland
Bay City	Lowell
Charlevoix	Niles
Chelsea	Paw Paw
Croswell	Petoskey
Detroit	Portland
Dowagiac	Sebawaing
Eaton Rapids	South Haven
Grand Haven	St. Louis
Harbor Springs	Sturgis
Hart Hydro	Traverse City
Wyandotte	Zeeland



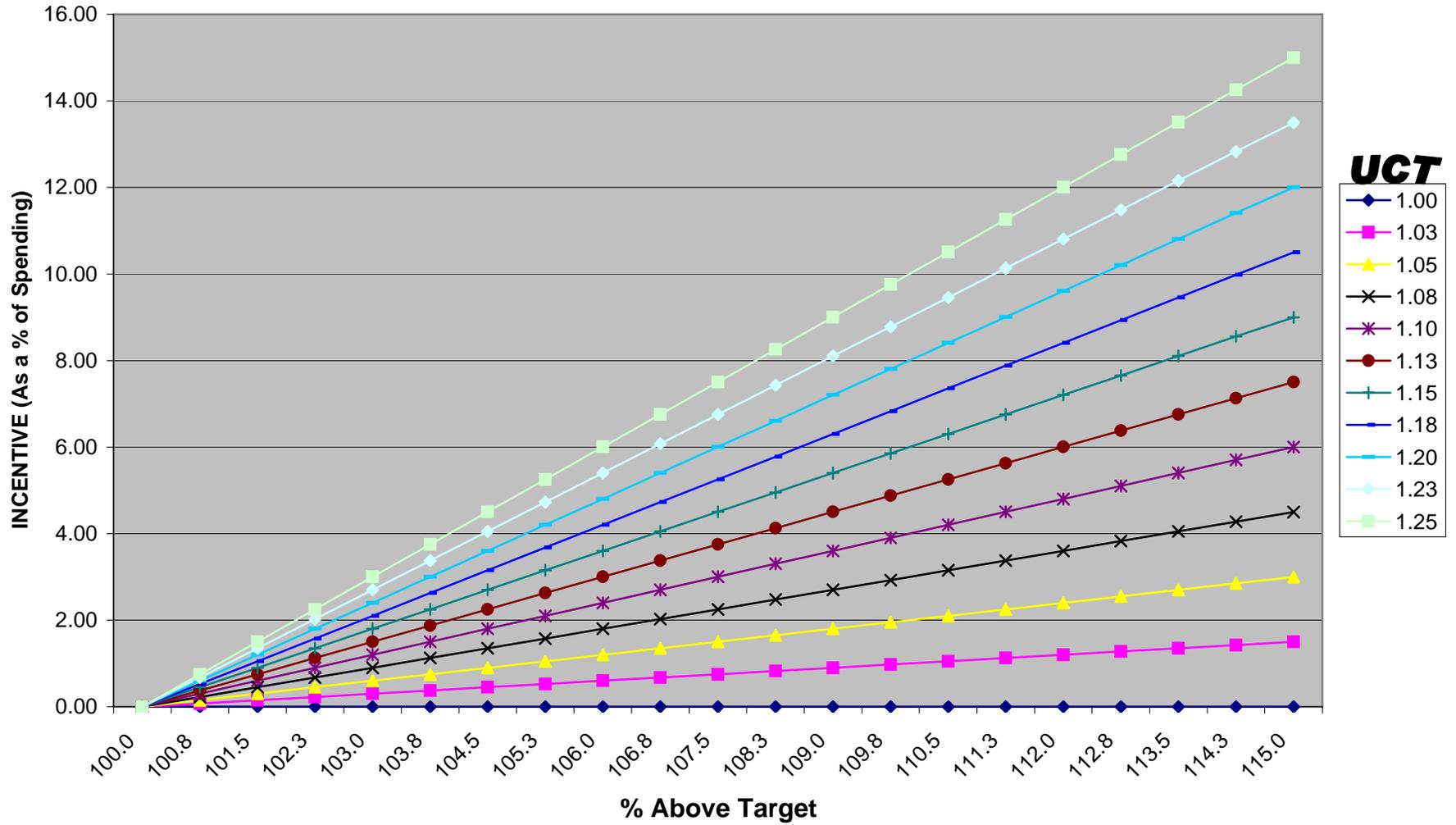


Efficiency United Participants
Alpena
Upper Peninsula Power
Bayfield
Daggett
Edison Sault
Indiana Michigan Power
Wisconsin Electric Power
Wisconsin Public Service Corp.
Northern States Power Company

FOR MORE INFORMATION ON LOW INCOME:

1. Low-Income Task Force Case U-15918:
<http://efile.mpsc.state.mi.us/efile/viewcase.php?casenum=15918>
2. EO Collaborative Low-Income:
http://www.michigan.gov/mpsc/0,1607,7-159-52495_53750_54587-223556--,00.html
3. Consumers Energy U-15805:
<http://efile.mpsc.state.mi.us/efile/viewcase.php?casenum=15805>
4. Detroit Edison U-15806:
<http://efile.mpsc.state.mi.us/efile/viewcase.php?casenum=15806>

Energy Optimization Program Incentive Mechanism



EO Incentive Mechanism
EO Incentive as a % of Program Spending

Target	UCT											
	1.00	1.03	1.05	1.08	1.10	1.13	1.15	1.18	1.20	1.23	1.25	
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.8	0.00	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68	0.75	0.75
101.5	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	1.50	1.50
102.3	0.00	0.23	0.45	0.68	0.90	1.13	1.35	1.58	1.80	2.03	2.25	2.25
103.0	0.00	0.30	0.60	0.90	1.20	1.50	1.80	2.10	2.40	2.70	3.00	3.00
103.8	0.00	0.38	0.75	1.13	1.50	1.88	2.25	2.63	3.00	3.38	3.75	3.75
104.5	0.00	0.45	0.90	1.35	1.80	2.25	2.70	3.15	3.60	4.05	4.50	4.50
105.3	0.00	0.53	1.05	1.58	2.10	2.63	3.15	3.68	4.20	4.73	5.25	5.25
106.0	0.00	0.60	1.20	1.80	2.40	3.00	3.60	4.20	4.80	5.40	6.00	6.00
106.8	0.00	0.68	1.35	2.03	2.70	3.38	4.05	4.73	5.40	6.08	6.75	6.75
107.5	0.00	0.75	1.50	2.25	3.00	3.75	4.50	5.25	6.00	6.75	7.51	7.51
108.3	0.00	0.83	1.65	2.48	3.30	4.13	4.95	5.78	6.60	7.43	8.26	8.26
109.0	0.00	0.90	1.80	2.70	3.60	4.50	5.40	6.30	7.20	8.11	9.01	9.01
109.8	0.00	0.98	1.95	2.93	3.90	4.88	5.85	6.83	7.81	8.78	9.76	9.76
110.5	0.00	1.05	2.10	3.15	4.20	5.25	6.30	7.35	8.41	9.46	10.51	10.51
111.3	0.00	1.13	2.25	3.38	4.50	5.63	6.75	7.88	9.01	10.13	11.26	11.26
112.0	0.00	1.20	2.40	3.60	4.80	6.00	7.20	8.41	9.61	10.81	12.01	12.01
112.8	0.00	1.28	2.55	3.83	5.10	6.38	7.66	8.93	10.21	11.48	12.76	12.76
113.5	0.00	1.35	2.70	4.05	5.40	6.75	8.11	9.46	10.81	12.16	13.51	13.51
114.3	0.00	1.43	2.85	4.28	5.70	7.13	8.56	9.98	11.41	12.83	14.26	14.26
115.0	0.00	1.50	3.00	4.50	6.00	7.50	9.00	10.50	12.00	13.50	15.00	15.00

FOR MORE INFORMATION ON THE FINANCIAL INCENTIVE MECHANISM:

- **Detroit Edison (U-15806):**

<http://efile.mpsc.state.mi.us/efile/docs/15806/0187.pdf>

- **Michigan Consolidated Gas Company (U-15890):**

<http://efile.mpsc.state.mi.us/efile/docs/15890/0043.pdf>

- **Consumers Energy: (U-15805/U-15889):**

<http://efile.mpsc.state.mi.us/efile/docs/15805/0206.pdf>