

## Energy Optimization Surcharges for the Municipal Tariff Classification

Municipal Electric Companies and Departments	MPSC Docket Number	EO Surcharge Residential \$/kWh - Assume a 500 kWh/mo customer	EO Residential surcharge per \$/kWh	RANKING 1 = the highest surcharge; 39 = the lowest
Coldwater Board of Public Utilities	U-15853	\$1.2600	0.00252	1
City of Petoskey	U-15877	\$0.9107	0.0018214	2
City of Sebewaing	U-15879	\$0.8700	0.00174	3
Croswell Municipal Light & Power Department	U-15854	\$0.8450	0.00169	4
Hillsdale Board of Public Utilities	U-15865	\$0.8200	0.00164	5
Negaunee Department of Public Works	U-15872	\$0.8200	0.00164	6
City of Norway	U-15875	\$0.8200	0.00164	7
City of Gladstone	U-15861	\$0.8000	0.0016	8
Village of L'Anse	U-15867	\$0.7900	0.00158	9
Detroit Public Lighting Department	U-15857	\$0.7500	0.0015	10
Wyandotte Department of Municipal Service	U-15887	\$0.7405	0.001481	11
Lansing Board of Water & Light	U-15868	\$0.7390	0.001478	12
City of Crystal Falls	U-15855	\$0.7300	0.00146	13
Village of Baraga	U-15848	\$0.7000	0.0014	14
Grand Haven Board of Light and Power	U-15862	\$0.6900	0.00138	15
Holland Board of Public Works	U-15866	\$0.6865	0.001373	16
City of Escanaba	U-15860	\$0.6850	0.00137	17
Newberry Water and Light Board	U-15873	\$0.6850	0.00137	18
City of Portland	U-15878	\$0.6600	0.00132	19
Village of Clinton	U-15852	\$0.6500	0.0013	20
City of Hart Hydro	U-15864	\$0.6500	0.0013	21
City of Stephenson	U-15882	\$0.6400	0.00128	22
<b>Village of Paw Paw</b>	<b>U-15876</b>	<b>\$0.5995</b>	<b>0.001199</b>	<b>23</b>
City of Charlevoix	U-15850	\$0.5750	0.00115	24
Traverse City Light & Power	U-15884	\$0.5650	0.00113	25
City of Sturgis	U-15883	\$0.5600	0.00112	26
Marquette Board of Light and Power	U-15870	\$0.5450	0.00109	27
Niles Utility Department	U-15874	\$0.5350	0.00107	28
Chelsea Department of Electric and Water	U-15851	\$0.5000	0.001	29
City of Dowagiac	U-15858	\$0.5000	0.001	30
Union City Electric Department	U-15885	\$0.4475	0.000895	31
City of Harbor Springs	U-15863	\$0.4300	0.00086	32
City of Bay City	U-15849	\$0.4125	0.000825	33
Lowell Light and Power	U-15869	\$0.4020	0.000804	34
City of Eaton Rapids	U-15859	\$0.4000	0.0008	35
City of South Haven	U-15880	\$0.3800	0.00076	36
City of St. Louis	U-15881	\$0.3250	0.00065	37
City of Wakefield	U-15886	\$0.2500	0.0005	38
Marshall Electric Department	U-15871	\$0.1285	0.000257	39
Daggett Electric Department	U-15856	<i>Not filed</i>		<i>unranked</i>
Zeeland Board of Public Works	U-15888	0.35/meter		<i>unranked</i>

\*\*\* 22 municipalities have a higher EO Surcharge and 16 have a lower EO surcharge than Paw Paw

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

Electric Cooperatives		MPSC #								
<b>Alger Delta Coop Elec</b>	U-15813	Farm and Home (A)	Seasonal Residential (AS)	Combined Residential	Commercial & Small Power (B)	Large Power (LP)				
Rate		\$0.00218			\$1.97	\$35.48				
<b>Cherryland Elec Coop</b>	U-15815	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			\$1.64	\$26.36	\$247.81	\$497.36		
<b>Cloverland Electric Coop</b>	U-15816	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				
<b>Great Lakes Energy Coop</b>	U-15817	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			\$2.85	\$533.14				
<b>Midwest Energy Coop</b>	U-15818	Farm and Home Service (A)	Int Duel Heating (I-DSH)	Combined Residential	General Service (GS)	Irrigation (IRR)	Large Power Service (LP)	Large Power >200 kW (CD-1)	Large Power Primary & Contracts (LPPS)	
Rate		\$1.25	\$0.56	\$1.24	\$1.34	\$3.34	\$31.39	\$196.03	\$1,416.58	

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

Electric Cooperatives		MPSC #					
<b>Ontonagon Rural Electric Coop</b>	U-15819	Residential (A, AH)	Seasonal Residential (A-S)	Combined Residential	General Service (B)	Large Power (LP)	Large Power (LP-1)
Rate		\$0.00242			\$2.26	\$14.93	\$77.70

<b>Presque Isle Elec &amp; Coop</b>	U-15820	Residential (A)	Seasonal Residential (AS)	Combined Residential	General Service (GS)	Large General Service (LG and LPTOD)	Primary Service (PSDS)
Rate		\$0.00164			\$2.68	\$45.73	\$430.87

<b>Thumb Elec. Coop</b>	U-15821	Farm and Home (A)	Seasonal Residential (A-S)	Combined Residential	General Service (GS)	Large General Service (LGS)	Large Power Dist. Substation (LPDS)	General Service TOD (GS-TOD)	Seasonal General Service (SGS)
Rate		\$0.00133			\$2.07	\$118.35	\$167.00	\$1.89	\$0.63

<b>Tri-County Electric Coop/Homeworks</b>	U-15822	Farm and Home Service (A)	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

<b>Bayfield Elec. Coop</b>	U-15814						
Ave per customer/mo	<b>State EO Administrator</b>						
Rate							
Ave increase/customer							

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

<b>Electric IOUs</b>		<b>MPSC #</b> (IOU = Independent Operating Utilities / Private Industry)								
<b>Alpena Power</b>	<b>U-15804</b>	<b>Residential</b>	<b>General Service</b>	<b>Standard</b>	<b>Large Power</b>	<b>Large Power</b>	<b>Large Industrial below 13 kV</b>	<b>Large Industrial above 13 kV</b>	<b>Alt Energy Econ Dev</b>	<b>Outdoor Protective Lighting 100 watt</b>
Rate		\$0.00130	\$1.33	\$18.83	\$162.72	\$162.72	\$573.50	\$2,744.32	\$324.92	\$0.13
								<b>Outdoor Protective Lighting 200 watt</b>	<b>Street &amp; Highway</b>	<b>Special Contract</b>
								\$0.23	\$0.12	\$3,775.03
<b>Consumers Energy</b>	<b>U-15805</b>	<b>Residential</b>	<b>Secondary 0-1250 kwh</b>	<b>Secondary 1251-5000 kwh</b>	<b>Secondary 5001-30000 kwh</b>	<b>Secondary 30001-50000 kwh</b>	<b>Secondary Above 50000 kwh</b>	<b>Primary 0-5000 kwh</b>	<b>Primary 5001-10000 kwh</b>	<b>Primary 10001-30000 kwh</b>
Proposed Rate		\$0.00143	\$0.96	\$5.38	\$32.27	\$32.27	\$32.27	\$2.99	\$22.84	\$57.04
									<b>Primary 30001-50000 kwh</b>	<b>Primary above 50000 kwh</b>
									\$113.51	\$422.23
<b>Detroit Edison</b>	<b>U-15806</b>	<b>Residential</b>	<b>Secondary 0 - 850 kWh/mo</b>	<b>Secondary 851-1650 kWh/mo</b>	<b>Sec Above 1650 kWh/mo</b>	<b>Primary 0 - 11500 kwh/mo</b>	<b>Primary Abover 11501 kWh/mo</b>			
Rate		\$0.00108	\$0.24	\$1.42	\$6.16	\$28.32	\$283.32			
<b>Edison Sault</b>	<b>U-15807</b>	<b>Residential</b>	<b>Small Commercial</b>	<b>Large Commercial</b>	<b>Industrial</b>	<b>Industrial TOD</b>	<b>Outdoor Lighting</b>	<b>Street Lighting</b>		
Rate		\$0.001168	\$3.40	\$118.65	\$423.16	\$937.02	\$0.11	\$0.12		

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

<b>Electric IOUs</b>		<b>MPSC #</b> (IOU = Independent Operating Utilities / Private Industry)								
<b>Indiana Michigan Power (AEP)</b>	<b>U-15808</b>	<b>Residential</b>	<b>C&amp;I SGS</b>	<b>C&amp;I SEC MGS TOD</b>	<b>C&amp;I MGS PRI WSS PRI</b>	<b>C&amp;I LGS SEC LGS PRI</b>	<b>C&amp;I MS</b>	<b>C&amp;I WSS SEC</b>	<b>C&amp;I LP PRI SUB</b>	<b>C&amp;I LP Tran</b>
Rate		\$0.00081	\$2.76	\$2.76	\$2.76	\$157.39	\$2.76	\$2.76	\$157.39	\$157.39

<b>C&amp;I QP PRI</b>	<b>C&amp;I QP SUB</b>
\$157.39	\$157.39

<b>NSP-Wisc (Elec.)</b>	<b>U-15809</b>	<b>Residential CO1,2</b>	<b>Small Commercial C9,10,</b>	<b>Commercial C11 TOD</b>	<b>Commercial C12, 21</b>	<b>Industrial C13,20 sec</b>	<b>Industrial C20 trans</b>	<b>Lighting CO4, 30</b>	<b>Muni Pump Service</b>
Rate		\$0.0013	\$1.48	\$1.48	\$14.15	\$92.51	\$1,020.87	\$0.13	\$1.48

<b>Wisc. Elec Power Co</b>	<b>U-15812</b>	<b>Residential</b>	<b>Cg1</b>	<b>Cg2</b>	<b>Cg3 &amp; Cg3C</b>	<b>Cg5</b>	<b>Cp1</b>	<b>Cp2, Cp3 &amp; Cp4</b>	<b>Schedule A</b>	<b>Spec Con (CpLC)</b>
Rate		\$0.00130	\$0.10113	\$0.18515	\$2.21664	\$0.18413	\$9.56129	\$71.08290	\$502.85126	\$1,055.49909

<b>Spec Con (non-CpLC)</b>	<b>Ms1</b>	<b>Unmetered lamps G11</b>	<b>Unmetered lamps Ms21</b>	<b>Unmetered lamps Ms3</b>
\$68.44804	\$0.03692	\$0.05-0.40	\$0.05-0.40	\$0.05-0.40

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

Electric IOUs		MPSC # (IOU = Independent Operating Utilities / Private Industry)						
<b>Wisc. PSC (Elec)</b>	<b>U-15811</b>	Residential RG1, RG1T, RG2, RG2T	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								

<b>Upper Peninsula Power</b>	<b>U-15810</b>	Residential A1,2, AH1,2	Small Comm C1,1W, 2,2W, H1,2	Medium Commercial P1,2	<i>blank</i>	Large 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	<i>blank</i>	\$442.82	\$0.18	\$632.32

# Energy Optimization (EO) Surcharges by Michigan Tariff Classes

Natural Gas IOUs		MPSC # (IOU = Independent Operating Utilities / Private Industry)								
<b>Consumers Energy Gas</b>	U-15889	Residential (Mcf)	General Service (0-100,000 Mcf)	General Service (Above 100,000 Mcf)	Transportation (0 - 100,000 Mcf)	Transportation (Above 100,000 Mcf)				
Rate		\$0.1722	\$0.1588	\$0.0053	\$0.1588	\$0.0053				
<b>MichCon Gas</b>	U-15890	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		
<b>MGU / Michigan Gas Utilities</b>	U-15891	Residential (Mcf)	Multi-Family	Sm General Service	Lg General Service	Commercial Lighting	Special Contracts	Transportation, TR-1	Transportation, TR-2	Transportation, TR-3
Rate		\$0.1239		\$3.82	\$77.09	\$4.70	\$111.12	\$18.66	\$50.81	\$114.61
<b>NSP-Wisc</b>	U-15892	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				
<b>SEMCO Energy</b>	U-15893	Residential (Mcf)	GS-1	GS-2	GS-3	TR-1	TR-2	TR-3		
Rate		\$0.1520	\$2.41	\$13.94	\$66.09	\$30.56	\$93.98	\$197.26		
<b>Wisc. PSC (Gas)</b>	U-15894	Residential /Therm	C&I small	C&I small seasonal	C&I large	Transport medium	Transport Large	Transport Super Large		
Rate		\$0.0140	\$2.14	\$4.28	\$30.09	-----	\$11.45	\$105.33		