Michigan Public Service Commission

Net Metering & Solar Pilot Program Report

For Calendar Year 2010

November 2011

Electric Reliability Division Renewable Energy Section

This document is an annual report prepared by Staff from the Michigan Public Service Commission's Electric Reliability Division, Renewable Energy Section. The main source of the data provided is reports filed by Michigan electric utility companies. Staff thanks all of the utilities for their efforts to provide timely and accurate data and information used in preparing this report.

To stay informed about Michigan renewable energy activities, readers are invited to visit the Commission's Michigan Renewable Energy website, at http://www.michigan.gov/renewables
At this website, readers may subscribe to the MPSC-MREP email distribution list, which presently has over 800 subscribers.

Net Metering & Solar Pilot Programs
Executive Summary

The Michigan Public Service Commission (Commission) prepares and issues a net metering report each year. This year, the report is expanded to include information describing solar photovoltaic (solar) pilot programs offered by Consumers Energy and Detroit Edison.

Rule 40 (3) of the Commission's Electric Interconnection and Net Metering Standards establishes that electric utilities file net metering customer participation data annually to provide data through the previous calendar year. The MPSC staff has compiled the information into this annual report.

Through 2010, customers have installed over 600 on-site renewable energy electric generation projects totaling 2.8 MW under Michigan's net metering program. During 2010, Detroit Edison's customer-owned SolarCurrents program and the Commission's Electric Interconnection and Net Metering Standards have contributed to a 147% increase in customer participation over the 2009 report totals.

The net metering program, available to customers of Michigan's rate-regulated utilities, cooperatives and alternative electric suppliers (AES), has encouraged the development of on-site renewable energy electric generation projects to offset some or all of a customer's electric energy needs and to reduce electric bills.

Michigan saw tremendous growth in the number of solar installations due to net metering and utility solar pilot programs. The MPSC Staff estimates that as of the third quarter of 2011, there are approximately 8.9 MW of solar installations in Michigan.[1]

Net Metering Data and Analysis
Calendar Year 2010

This section of the report includes data and analysis about net metering. Table 1 summarizes the breakdown of net metering customers and program capacity by utility. Every regulated Michigan utility has customers participating in the net metering program.

Figure 1 highlights the dramatic increase in program participation since 2006 and also shows the breakdown in customer participation by technology type. Due to the fact that net metering is one of the Detroit Edison solar pilot program key elements, the number of net metering solar installations surpassed the number of wind installations in 2010.

Figure 2 displays the program participation for Consumers Energy, Detroit Edison and all other utilities by technology.

[1] See Appendix A, Table 2: Michigan Solar PV Totals for details.

Figure 3 compares net metering participation rates in selected states with Michigan.

A detailed list of net metering customers is provided in Appendix A, Table 1: Net Metering Installations by Utility, through 2010. The location, based on zip code, of each net metering customer is shown on Figures 4a, 4b and 4c.

At the end of 2010, the current capacity of net metering installations is approximately 2,828 kilowatts (kW), or 2.828 megawatts (MW). This increase represents a 220% increase from 2009 at 882 kW. Program participation grew from 254 customers reported in the 2009 reports to 628 customers reported in 2010. The majority of this increase is due to solar projects participating in Detroit Edison's customer-owned SolarCurrents program.

No utility reported net metering customers in the Category 2 (greater than 20 kW to 150 kW) or Category 3 (methane digester no larger than 550 kW) size categories. All data reported in this report reflects renewable generators in Category 1 (20 kW and under).

No Alternative Electric Suppliers filed reports indicating any customers were participating in net metering during 2010. Additionally, municipal utilities were asked to provide net metering customer participation information as part of 2008 PA 295 annual reporting. No municipal utilities reported any net metering customers.

Michigan's net metering program received a grade of "A" in the 2010 and 2011 editions of *Freeing the Grid*, a policy guide that grades states' net metering programs based on 12 key program elements.[2] This is the highest grade Michigan's net metering program has ever received. The *Freeing the Grid* report is produced annually by the Network for new Energy Choices (NNEC) in partnership with Vote Solar, the Interstate Renewable Energy Council and the North Carolina Solar Center.

Michigan's Solar Pilot Programs
Calendar Year 2010

In 2010, Consumers Energy Company (Consumers Energy) and the Detroit Edison Company (Detroit Edison) continued the implementation of solar pilot programs to incentivize solar installations as part of meeting renewable energy requirements under the 2008 PA 295 renewable energy standard. With their introduction to Michigan customers, the state saw a significant increase in solar installations.

Experimental Advanced Renewable Program (EARP)

The EARP was approved on May 26, 2009 as part of Consumers Energy's Renewable Energy Plan. EARP customers do not participate in the net metering

[2] http://www.newenergychoices.org/uploads/FreeingTheGrid2011.pdf.

program or use the solar generation behind-the-meter. Instead all kWh are sold to Consumers Energy.

The 2 MW EARP pilot program rolled out in two phases. Phase I and Phase II contracts have a 12 year contract term from the signing date, with Phase I contracts beginning in September of 2009 and Phase II contracts beginning in May of 2010.

The EARP pays a firm price to retail customers for each kWh of generation produced by the customer's solar generation system over the 12 year contract period. Commercial systems make up approximately 1.5 MW of the total program with system size limited to 150 kW. Residential systems make up approximately 0.5 MW of the total program and individual residential systems were limited to no greater than 20 kW.

Phase I prices were set at $0.45/kWh for commercial systems and $0.65/kWh for residential systems. Phase two prices were set at $0.375/kWh for commercial systems and $0.525/kWh for residential systems. The program filled quickly and demand for the program was approximately triple the program size.

Through its May 10, 2011 order in Case No. U-16543, the Commission granted Consumers Energy authority to expand its EARP by at least 2 MW in response to the Company's Amended REP filing. Key components of an expanded EARP include payments of $0.20 - $0.26 per kWh with 15 year contracts. The Company conducted its first solicitation for applications in September of 2011.

The locations of the 2009 and 2010 EARP customers are shown by zip code on Figure 5a.

SolarCurrents

Detroit Edison's SolarCurrents pilot program was approved by the Commission on June 2, 2009 as part of the Company's renewable energy plan. The SolarCurrents program includes customer-owned and Detroit Edison-owned programs. A key element of the 5 MW customer-owned program is that customers participate in the Company's net metering program. System sizes are limited to 20 kW per installation and must be sized no larger than a customer's electric needs.

Detroit Edison's SolarCurrents pilot provided customers with an upfront payment for half of the renewable energy credits anticipated to be produced over the 20 year contract period. The renewable energy credit prepayment was equal to $2.40/Watt of installed solar. The remaining half of the renewable energy credits are purchased over the 20 year contract period at the price of $0.11/kWh. The program became fully subscribed in May 2011. The program resulted in the development of approximately 300 installations by end of calendar year 2010 growing to more than 500 by May 2011.

The 15 MW Detroit Edison company-owned SolarCurrents program includes larger sized installations at both Detroit Edison locations and at customer sites with facilities suitable for hosting a solar installation. Five projects are currently completed or under development totaling 2.2 MW. General Motors (500 kW), Ford (500 kW), Blue

Cross Blue Shield (220 kW), Monroe Community College (500 kW) and Detroit Edison (422 kW). Generation data from these projects is available at Detroit Edison's website.[3]

The locations of SolarCurrents installations based on zip code are shown on Figure 5b.

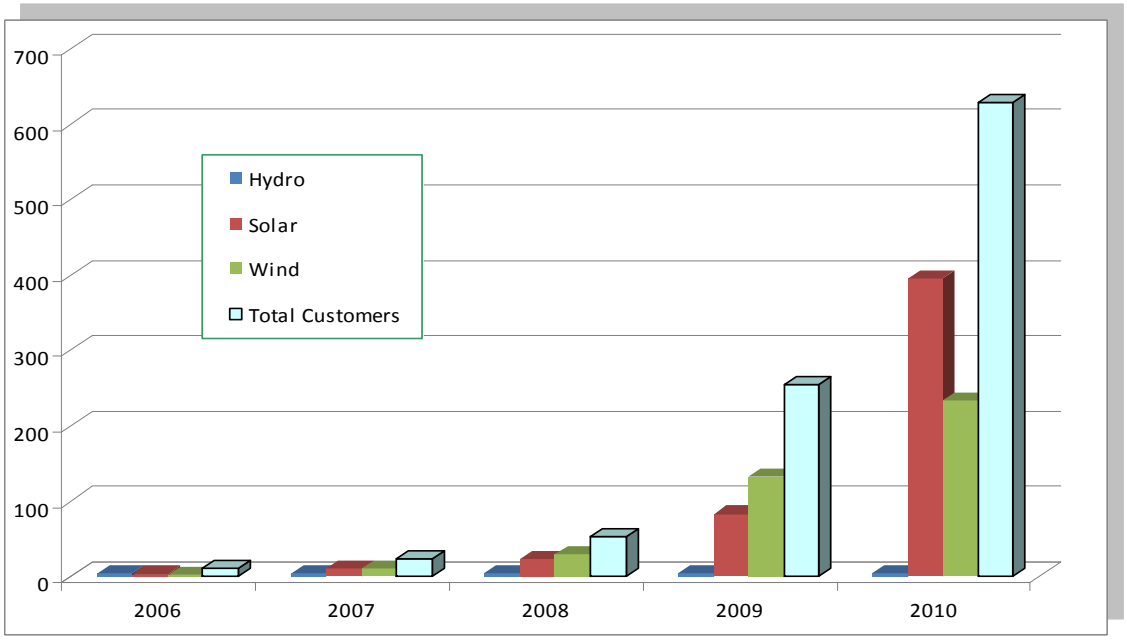
Table 1: PA 295 Program Size and Net Metering Participation For Category 1, 20 kW and Under Projects

Company	No. of Customers	2009 In-State Peak Load (MW)	Cap 0.5% of 2009 Peak (kW)	Current Nameplate Generation (kW)	Space Remaining (kW)
Investor Owned Utilities					
Alpena	20	57	284	55	229
Consumers Energy	107	6,354	31,770	399	317,301
Detroit Edison	317	10,157	50,785	1,738	49,047
Indiana Michigan	21	1,090	5,450	78	5,372
Uppco	28	158	789	82	707
We Energies	13	278	1,391	42	1,349
WPSC	1	29	145	3	143
Xcel	1	30	150	2	148
Cooperative Utilities					
Alger Delta	7	-	-	20	-
Cherryland	20	-	-	52	-
Cloverland	20	138	692	53	640
Great Lakes	28	254	1,269	123	1,146
Midwest	13	137	687	50	637
Ontonagon	6	6	28	60	-32
Presque Isle	18	47	233	50	183
Thumb	4	32	160	9	151
Tri County	4	-	-	12	-
TOTAL	**628**			**2,828**	

Alger Delta, Cherryland and Tri-County are member-regulated cooperatives and are not required to offer net metering.
Source: 2010 Utility Annual Net Metering Reports.

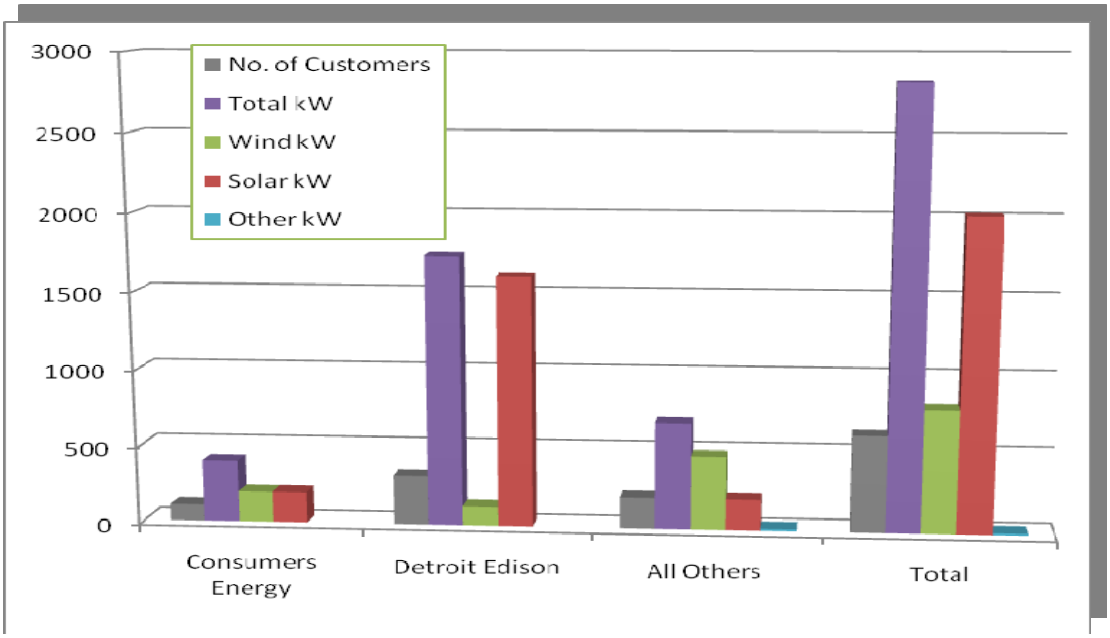
[3] https://wap.load-watch.com/apps/solar/aggregate/

Figure 1: Number of Michigan Net Metering Installations by Technology & Customers



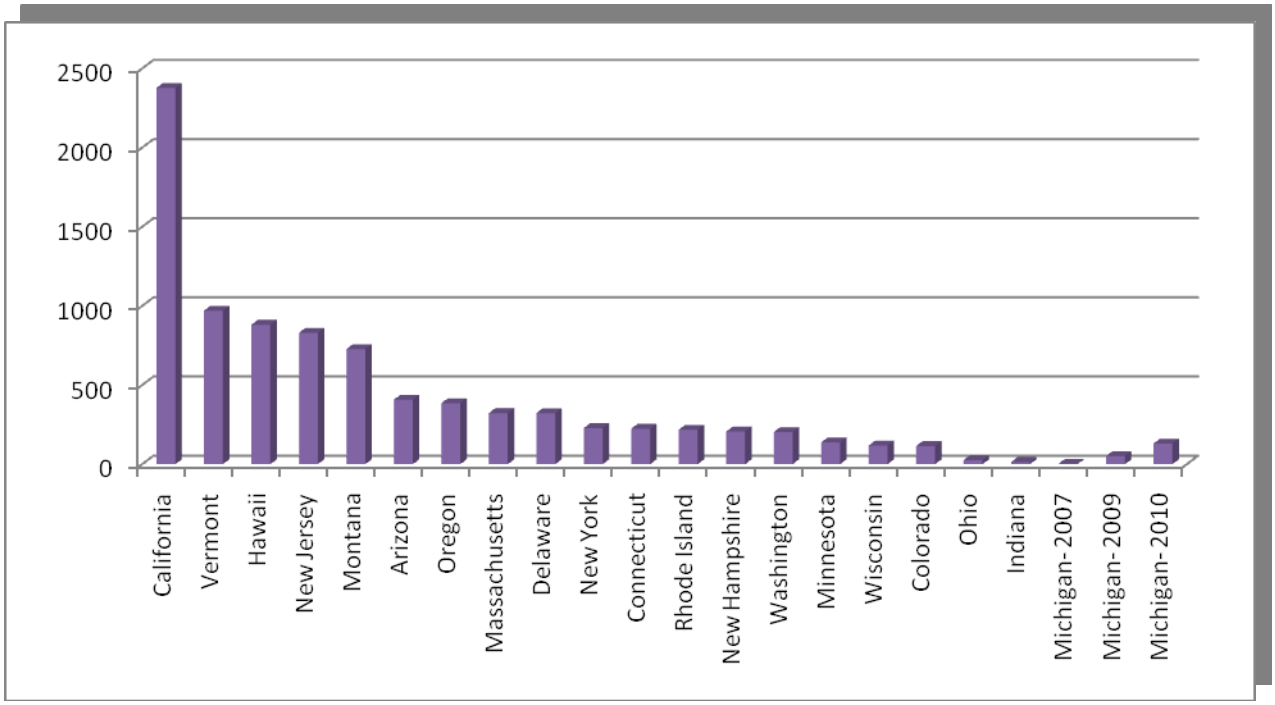
Note: The total number of installations is higher than the number of customers because a few customers have installed two types of renewable energy (i.e., combined wind and solar generation, or solar and hydro).

Figure 2: 2010 Net Metering Program - Installed Capacity (kW) & Number of Customers



Under 2008 PA 295, an electric utility is not required to allow for net metering that is greater than 1% of its in-state peak load for the preceding calendar year. One half of the 1% program size is allocated to Category 1 net metering. Table 2 shows the Category 1 net metering program space remaining for each electric utility.

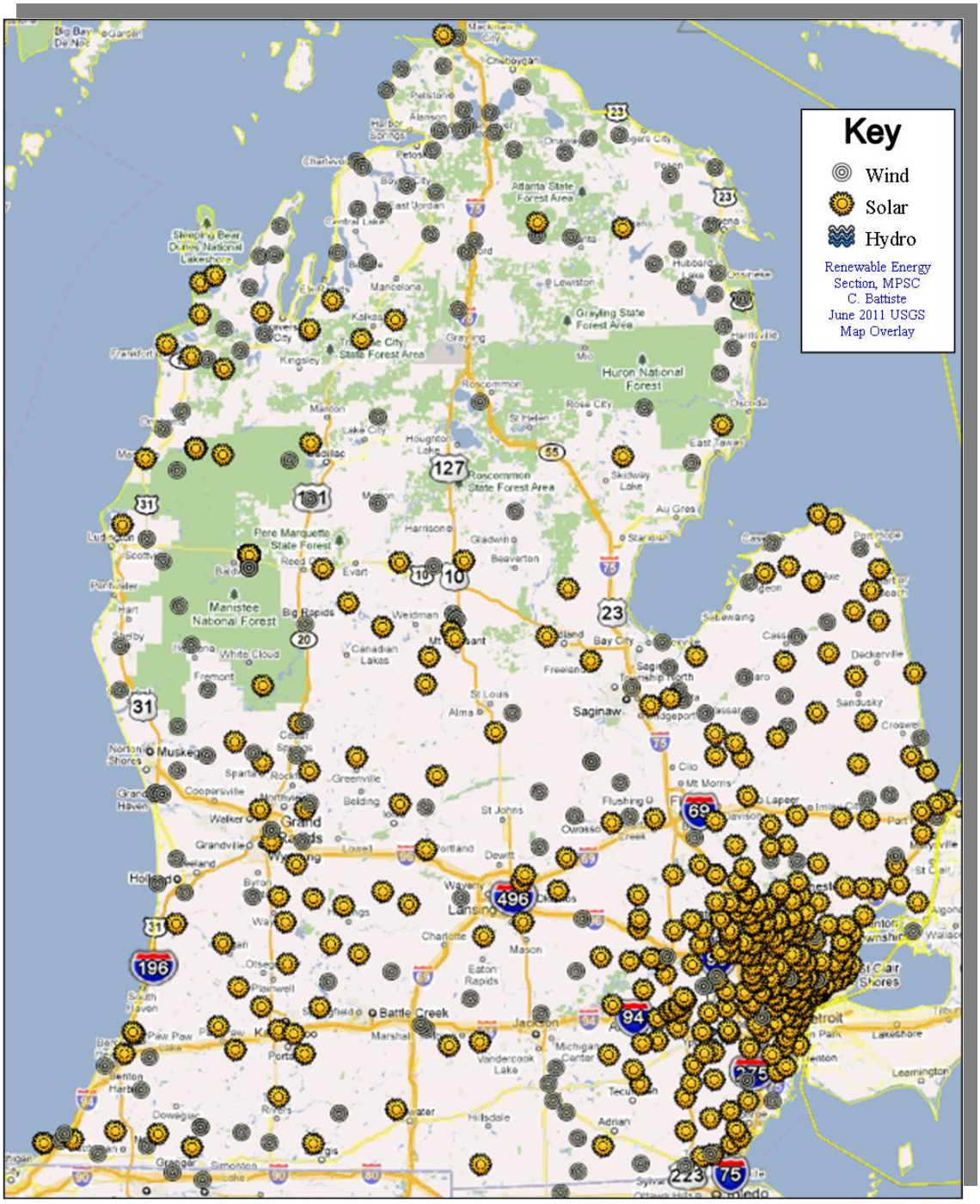
Figure 3: Comparative Net Metering Program Participation Rates in Selected States
2008 Net Metering Customers per Million Total Utility Customers (EIA Data)
2010 Data Shown for Michigan



Source: http://www.eia.doe.gov/cneaf/solar.renewables/page/greenprice/table5_2.xls

On the Energy Information Administration (EIA) website, 2008 net metering data is the most recent available. As Michigan has 2010 net metering data available now, Michigan's 2010 data was substituted for the EIA Michigan 2008 data.

Figure 4a: Locations of Michigan Net Metering Customers - Lower Peninsula (Cumulative Installations, December 2010, by Zip Code)



Source: Zip codes of participating net metering customers are provided to MPSC Staff by Michigan electric utilities. Customer identification information (name, address, account number, etc.) is protected from disclosure by Michigan electric suppliers.

Figure 4b: Locations of Michigan Net Metering Customers - Southeast Michigan (Cumulative Installations, December 2010, by Zip Code)

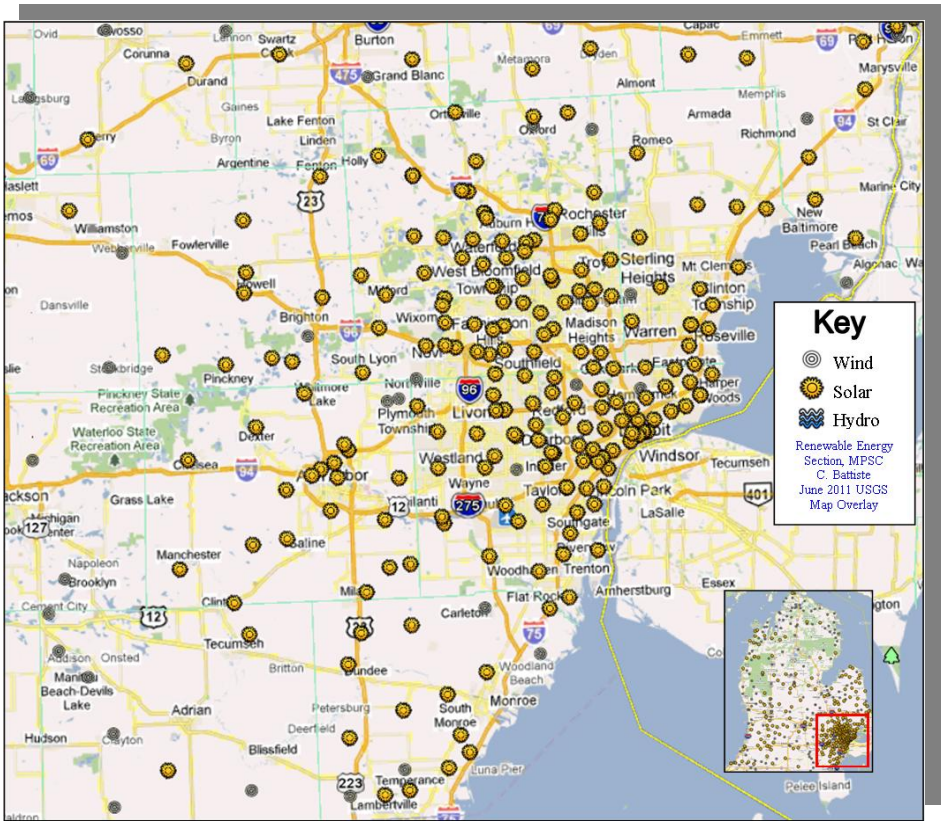


Figure 4c: Locations of Michigan Net Metering Customers - Upper Peninsula (Cumulative Installations, December 2010, by Zip Code)

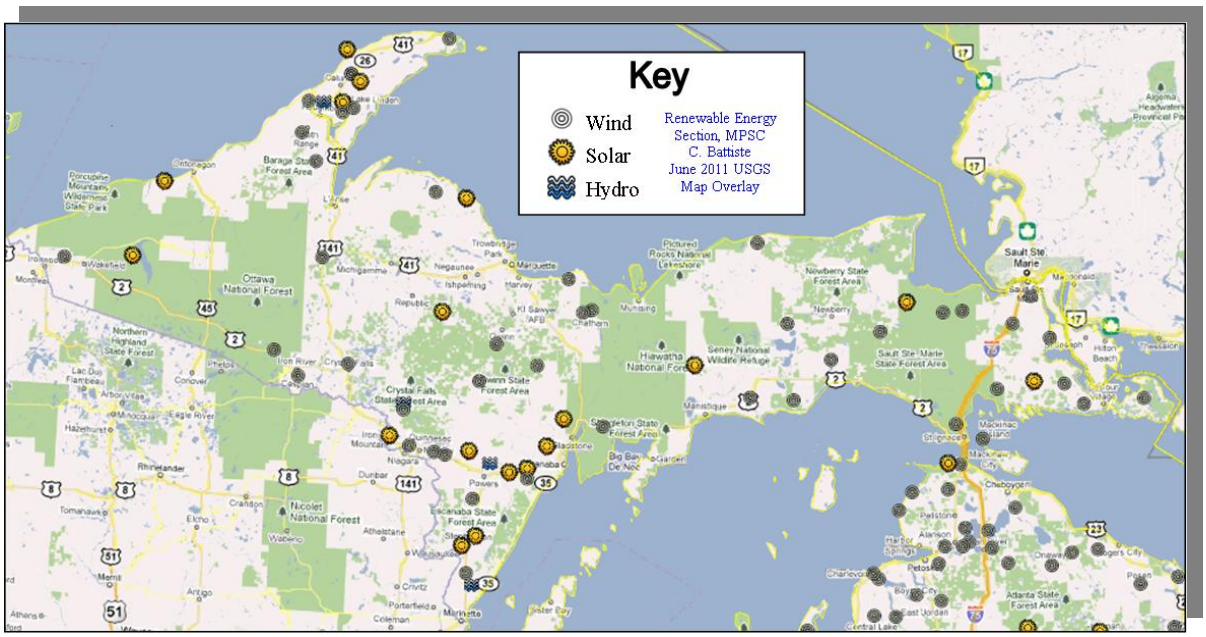


Figure 5a: Consumers Energy Solar EARP Customers

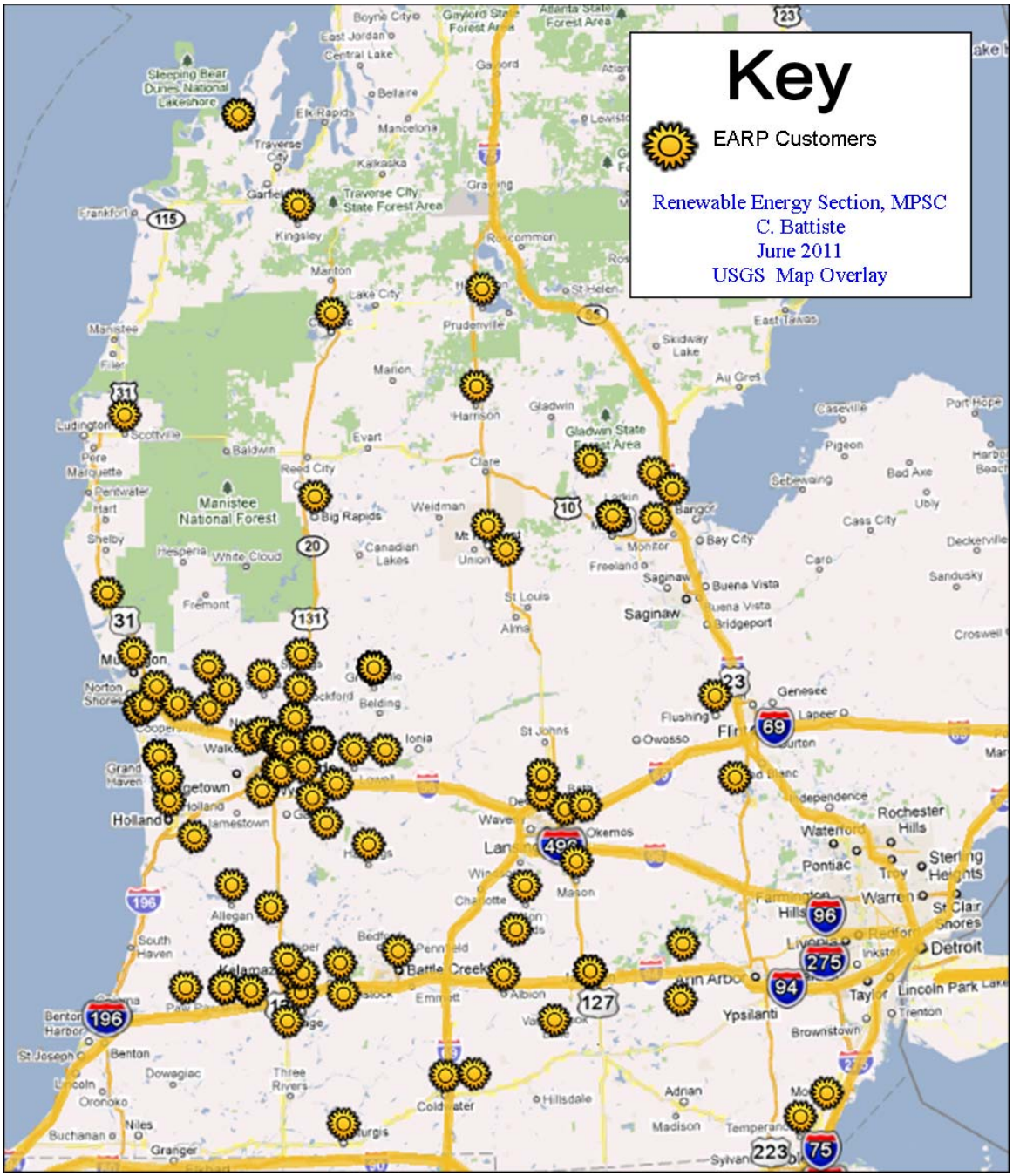
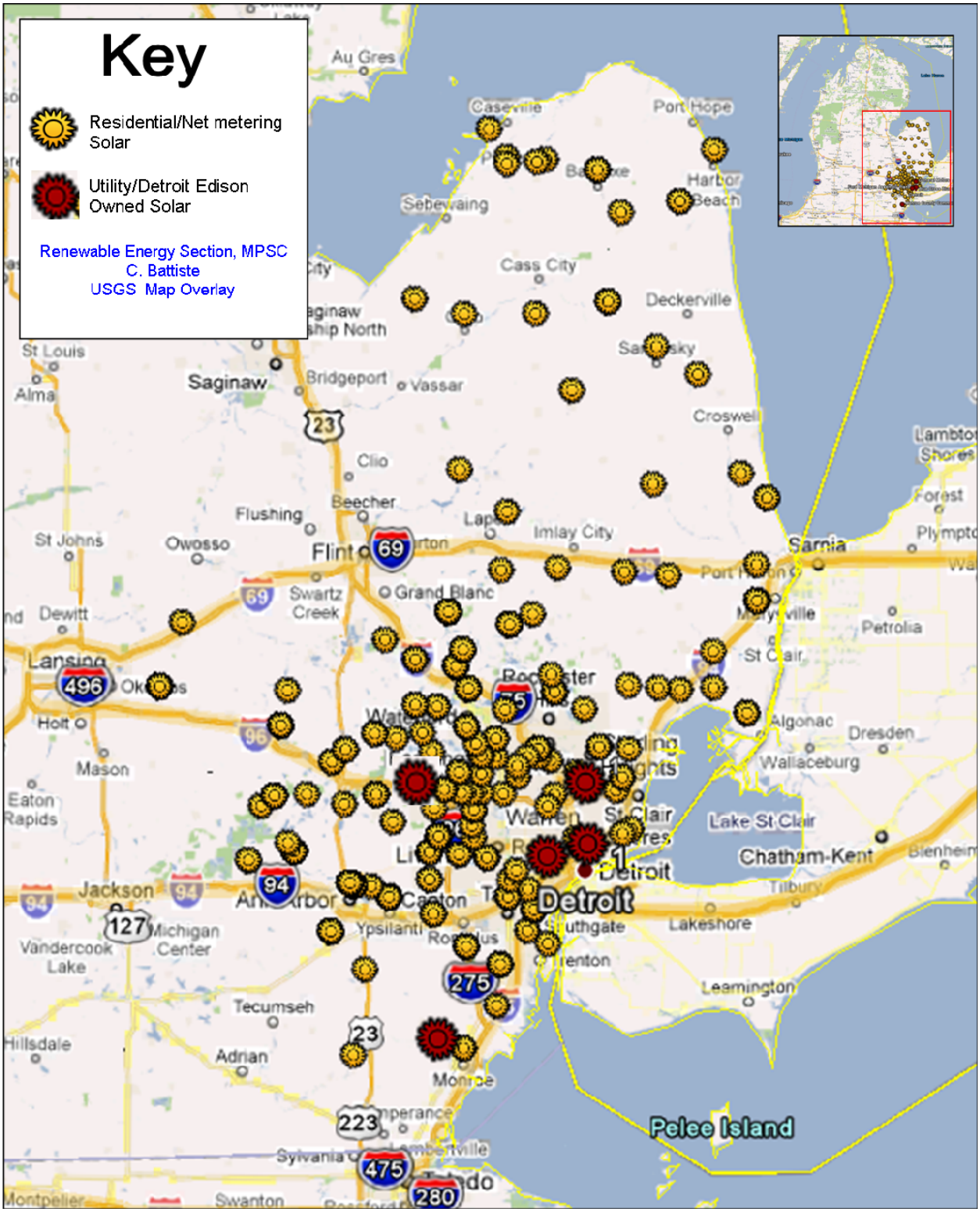


Figure 5b: Detroit Edison SolarCurrents Program



Appendix A
Table 1: Net Metering Installations by Utility, Year End 2010

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
1	1	Alger Delta	49858	August-03	Hydro	3
2	2	Alger Delta	49822	May-05	Wind	2.5
3	3	Alger Delta	49887	August-05	Solar	2
4	4	Alger Delta	49887	April-08	Wind	1.9
5	5	Alger Delta	49878	March-10	Wind	3.7
6	6	Alger Delta	49855	July-10	Solar	3.9
7	7	Alger Delta	49855	August-10	Solar	3.1
8	1	Alpena Power	49746	November-06	Solar	10
9	2	Alpena Power	49707	December-06	Wind	3
10	3	Alpena Power	49707	April-08	Wind	1.8
11	4	Alpena Power	49707	June-08	Wind	1.8
12	5	Alpena Power	49747	June-08	Wind	1.8
13	6	Alpena Power	49747	June-08	Wind	1.8
14	7	Alpena Power	49707	July-08	Wind	1.8
15	8	Alpena Power	49707	August-08	Wind	1.8
16	9	Alpena Power	49707	August-08	Wind	1.8
17	10	Alpena Power	49766	August-08	Wind	1.8
18	11	Alpena Power	49747	August-08	Wind	1.8
19	12	Alpena Power	49707	November-08	Wind	1.8
20	13	Alpena Power	49707	February-09	Wind	10
21	14	Alpena Power	49707	September-08	Wind	3.6
22	15	Alpena Power	49707	October-08	Wind	1.8
23	16	Alpena Power	49744	October-08	Wind	1.8
24	17	Alpena Power	49707	December-08	Wind	1.8
25	18	Alpena Power	49707	January-09	Wind	1.8
26	19	Alpena Power	49777	January-09	Wind	1.8
27	20	Alpena Power	49707	December-09	Wind	1.8
28	1	AEP/Indiana Michigan	49022	January-07	Solar	7.1
29	2	AEP/Indiana Michigan	49038	June-07	Solar	3.6
30	3	AEP/Indiana Michigan	49098	Febuary-2008	Wind	1.9
31	4	AEP/Indiana Michigan	49022	March-08	Wind	1.9
32	5	AEP/Indiana Michigan	49107	April-08	Solar	2.1
33	6	AEP/Indiana Michigan	49113	August-08	Wind	1.9
34	7	AEP/Indiana Michigan	49042	August-08	Wind	1.9
35	8	AEP/Indiana Michigan	49120	October-08	Solar	3.5
36	9	AEP/Indiana Michigan	49120	December-08	Wind	1.8
37	10	AEP/Indiana Michigan	49120	January-09	Wind	10

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
38	11	AEP/Indiana Michigan	49038	March-09	Wind	2.4
39	12	AEP/Indiana Michigan	49128	April-09	Solar	5.3
40	13	AEP/Indiana Michigan	49079	June-09	Solar	4
41	14	AEP/Indiana Michigan	49116	June-09	Wind	1.2
42	15	AEP/Indiana Michigan	49022	June-09	Wind	1.9
43	16	AEP/Indiana Michigan	49115	November-09	Wind	1.9
44	17	AEP/Indiana Michigan	49111	April-10	Wind	5
45	18	AEP/Indiana Michigan	49093	July-10	Solar	2.1
46	19	AEP/Indiana Michigan	49128	August-10	Solar	4.1
47	20	AEP/Indiana Michigan	49128	August-10	Solar	10
48	21	AEP/Indiana Michigan	49038	October-10	Solar	4.7
49	1	Cherryland	49643	January-07	Solar	0.6
50	2	Cherryland	49684	April-08	Wind	1.8
51	3	Cherryland	49684	June-08	Wind	1.8
52	4	Cherryland	49570	May-08	Wind	2.4
53	5	Cherryland	49690	February-08	Solar	2
54	6	Cherryland	49670	August-08	Wind	1.8
55	7	Cherryland	49684	December-08	Wind	2.4
56	8	Cherryland	49686	October-08	Wind	1.8
57	9	Cherryland	49683	December-08	Wind	1.8
58	10	Cherryland	49621	January-09	Wind	3.6
59	11	Cherryland	49621	January-09	Wind	1.8
60	12	Cherryland	49653	June-09	Wind	2.4
61	13	Cherryland	49686	August-09	Solar	2
62	14	Cherryland	49614	October-09	Wind	1.8
63	15	Cherryland	49621	September-09	Wind	12
64	16	Cherryland	49650	December-09	Wind	1.8
65	17	Cherryland	49684	May-10	Wind	1.8
66	18	Cherryland	49640	October-10	Solar	2.2
67	19	Cherryland	49643	September-10	Wind	1.8
68	20	Cherryland	49684	September-10	Solar	4.5
69	1	Cloverland	49726	October-07	Wind	1.8
70	2	Cloverland	49783	July-08	Wind	2
71	3	Cloverland	49725	August-08	Wind	2.4
72	4	Cloverland	49783	September-08	Wind	1.8
73	5	Cloverland	49781	January-09	Wind	2
74	6	Cloverland	49715	April-09	Wind	2.4
75	7	Cloverland	49719	June-09	Wind	2.4
76	8	Cloverland	49719	June-09	Wind	2.4
77	9	Cloverland	49783	June-09	Wind	2.4

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
78	10	Cloverland	49840	July-09	Wind	2.4
79	11	Cloverland	49838	August-09	Wind	2.4
80	12	Cloverland	49783	October-09	Wind	2
81	13	Cloverland	49719	October-09	Wind	1.2
82	14	Cloverland	49783	November-09	Wind	1.2
83	15	Cloverland	49854	December-09	Wind	2.4
84	16	Cloverland	49715	December-09	Wind	2.4
85	17	Cloverland	49719	December-09	Wind	2.4
86	18	Cloverland	49719	January-10	Wind	4.8
87	19	Cloverland	49840	April-10	Wind	10
88	20	Cloverland	49719	June-10	Wind	2.4
89	1	Consumers Energy	49058	January-07	Wind	1.8
90	2	Consumers Energy	49621	January-07	Solar	5.5
91	3	Consumers Energy	49341	March-07	Solar	2.5
92	4	Consumers Energy	48145	April-07	Wind	3.7
93	5	Consumers Energy	49546	May-07	Wind	3.7
94	6	Consumers Energy	49635	August-07	Solar	1.8
95	7	Consumers Energy	49421	January-08	Wind	1.8
96	8	Consumers Energy	48858	January-08	Solar	10
97	9	Consumers Energy	49341	Febuary-2008	Solar	3
98	10	Consumers Energy	48838	Febuary-2008	Solar	3
99	11	Consumers Energy	49601	July-08	Solar	2.5
100	12	Consumers Energy	49675	July-08	Wind	1.8
101	13	Consumers Energy	48740	August-08	Wind	1.8
102	14	Consumers Energy	49058	August-08	Solar	5.8
103	15	Consumers Energy	48617	May-09	Solar	1.8
104	16a	Consumers Energy	48144	June-09	Wind	2.8
	16b	Consumers Energy	48144	June-09	Solar	5.5
105	17	Consumers Energy	49284	July-09	Wind	10
106	18	Consumers Energy	49301	August-09	Solar	4
107	19	Consumers Energy	49307	August-09	Wind	1.2
108	20	Consumers Energy	48837	August-09	Wind	1.6
109	21	Consumers Energy	48653	August-09	Wind	3.7
110	22	Consumers Energy	49058	August-09	Wind	1.2
111	23	Consumers Energy	48762	August-09	Wind	3.7
112	24	Consumers Energy	48144	September-09	Wind	1.8
113	25	Consumers Energy	49451	September-09	Wind	1.8
114	26	Consumers Energy	49415	September-09	Wind	1.2
115	27	Consumers Energy	49424	September-09	Wind	2.4
116	28	Consumers Energy	49316	September-09	Wind	1.2

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
117	29	Consumers Energy	48746	September-09	Wind	2.4
118	30	Consumers Energy	49412	September-09	Wind	1.2
119	31	Consumers Energy	49053	September-09	Solar	5
120	32	Consumers Energy	48616	September-09	Wind	2.4
121	33	Consumers Energy	49712	October-09	Solar	2
122	34	Consumers Energy	48742	October-09	Wind	3.7
123	35	Consumers Energy	48460	October-09	Wind	3.7
124	36	Consumers Energy	49408	October-09	Solar	3
125	37	Consumers Energy	49636	October-09	Solar	6
126	38	Consumers Energy	49330	October-09	Wind	1.2
127	39	Consumers Energy	48823	October-09	Solar	7
128	40	Consumers Energy	49009	October-09	Solar	7.2
129	41	Consumers Energy	48854	October-09	Solar	0.84
130	42	Consumers Energy	48858	October-09	Wind	1.8
131	43	Consumers Energy	49235	October-09	Wind	2.4
132	44	Consumers Energy	49009	October-09	Solar	3
133	45	Consumers Energy	49228	October-09	Wind	2.8
134	46	Consumers Energy	49046	October-09	Solar	5
135	47	Consumers Energy	49348	October-09	Solar	1.1
136	48	Consumers Energy	49651	October-09	Wind	1.2
137	49	Consumers Energy	48740	October-09	Wind	4.6
138	50	Consumers Energy	49064	November-09	Wind	10
139	51	Consumers Energy	49431	November-09	Wind	2.4
140	52	Consumers Energy	49253	November-09	Wind	1.2
141	53	Consumers Energy	49503	November-09	Wind	1.2
142	54	Consumers Energy	49423	November-09	Wind	10
143	55	Consumers Energy	49284	December-09	Wind	1.8
144	56	Consumers Energy	49316	December-09	Solar	3.5
145	57	Consumers Energy	48831	December-09	Wind	2.4
146	58	Consumers Energy	49068	December-09	Wind	2.4
147	59	Consumers Energy	49684	December-09	Solar	15.3
148	60	Consumers Energy	49701	December-09	Solar	2.1
149	61	Consumers Energy	49096	January-10	Solar	5.5
150	62	Consumers Energy	48616	January-10	Wind	2.4
151	63	Consumers Energy	48742	January-10	Wind	2.4
152	64	Consumers Energy	48622	January-10	Wind	3
153	65	Consumers Energy	49686	January-10	Wind	2.3
154	66a	Consumers Energy	48623	January-10	Wind	10
	66b	Consumers Energy	48623	January-10	Solar	2.5
155	67	Consumers Energy	48732	Feburary-2010	Wind	5

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
156	68	Consumers Energy	49686	Feburary-2010	Solar	4.4
157	69	Consumers Energy	49735	March-10	Wind	1.2
158	70	Consumers Energy	48642	March-10	Solar	2.7
159	71	Consumers Energy	49345	March-10	Solar	1.8
160	72	Consumers Energy	49630	April-10	Solar	2
161	73	Consumers Energy	49267	May-10	Wind	2.2
162	74	Consumers Energy	49635	May-10	Solar	2.2
163	75	Consumers Energy	48827	June-10	Solar	3.2
164	76	Consumers Energy	49201	July-10	Wind	2.4
165	77	Consumers Energy	48763	July-10	Wind	1.2
166	78	Consumers Energy	48646	July-10	Wind	2.4
167	79	Consumers Energy	49245	July-10	Solar	17.5
168	80	Consumers Energy	49068	August-10	Wind	2.4
169	81	Consumers Energy	49688	August-10	Wind	1.2
170	82	Consumers Energy	49686	August-10	Wind	6
171	83	Consumers Energy	48616	August-10	Wind	2.4
172	84	Consumers Energy	49660	September-10	Wind	1.2
173	85	Consumers Energy	48875	September-10	Wind	5.5
174	86	Consumers Energy	48867	September-10	Wind	2.4
175	87a	Consumers Energy	48158	September-10	Wind	5
	87b	Consumers Energy	48158	September-10	Solar	4
176	88	Consumers Energy	48858	October-10	Solar	2.1
177	89	Consumers Energy	48640	October-10	Solar	10
178	90a	Consumers Energy	49318	October-10	Wind	1.8
	90b	Consumers Energy	49318	October-10	Solar	0.95
179	91	Consumers Energy	48473	October-10	Solar	2
180	92	Consumers Energy	48867	October-10	Wind	2.4
181	93	Consumers Energy	49036	November-10	Wind	2.4
182	94	Consumers Energy	49686	November-10	Solar	1.8
183	95	Consumers Energy	49256	November-10	Wind	10
184	96	Consumers Energy	49036	November-10	Solar	2.8
185	97	Consumers Energy	48430	November-10	Solar	2.4
186	98a	Consumers Energy	49024	November-10	Wind	0.9
	98b	Consumers Energy	49024	November-10	Solar	1.4
187	99	Consumers Energy	49548	November-10	Solar	3
188	100	Consumers Energy	49721	November-10	Wind	2.4
189	101	Consumers Energy	49721	November-10	Wind	2.4
190	102a	Consumers Energy	49232	December-10	Wind	2.5
	102b	Consumers Energy	49232	December-10	Solar	2.5
191	103	Consumers Energy	49504	December-10	Solar	3

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
192	104	Consumers Energy	49431	December-10	Wind	7.5
193	105	Consumers Energy	48823	December-10	Solar	3
194	106	Consumers Energy	49091	December-10	Solar	7
195	107	Consumers Energy	49337	December-10	Solar	5.5
196	1	Detroit Edison	48755	October-06	Wind	10
197	2	Detroit Edison	48755	October-06	Wind	10
198	3	Detroit Edison	48895	January-07	Solar	2.5
199	4	Detroit Edison	48895	April-07	Wind	2.3
200	5a	Detroit Edison	48130	August-07	Solar	2
	5b	Detroit Edison	48130	July-10	Solar	4.0
201	6	Detroit Edison	48103	September-07	Solar	3.8
202	7	Detroit Edison	48198	Jaunuary-08	Solar	0.7
203	8a	Detroit Edison	48187	Febuary-08	Solar	1.9
	8b	Detroit Edison	48198	November-09	Solar	1.4
204	9	Detroit Edison	48472	June-08	Wind	0.3
205	10	Detroit Edison	48063	May-08	Wind	17
206	11	Detroit Edison	48302	May-08	Solar	3
207	12	Detroit Edison	48079	August-08	Solar	4
208	13	Detroit Edison	48843	August-08	Wind	1.8
209	14	Detroit Edison	48022	September-08	Wind	3.7
210	15	Detroit Edison	48723	September-08	Wind	1.8
211	16	Detroit Edison	48723	September-08	Wind	1.8
212	17	Detroit Edison	48726	October-08	Wind	10
213	18	Detroit Edison	48060	March-09	Wind	3.7
214	19	Detroit Edison	48060	March-09	Solar	3.6
215	20	Detroit Edison	48467	July-09	Solar	1.3
216	21	Detroit Edison	48189	September-09	Solar	3.8
217	22a	Detroit Edison	48105	September-09	Solar	2.3
	22b	Detroit Edison	48105	May-10	Solar	2.6
218	23	Detroit Edison	48176	September-09	Solar	1.9
219	24	Detroit Edison	48084	September-09	Solar	1.4
220	25	Detroit Edison	48471	September-09	Wind	2.4
221	26	Detroit Edison	48892	September-09	Wind	1.8
222	27	Detroit Edison	48383	September-09	Solar	3.6
223	28	Detroit Edison	48446	October-09	Wind	2.4
224	29	Detroit Edison	48104	October-09	Solar	2.1
225	30	Detroit Edison	48104	October-09	Solar	4.0
226	31	Detroit Edison	48103	October-09	Solar	6.7
227	32	Detroit Edison	48331	October-09	Solar	3.9
228	33	Detroit Edison	48720	November-09	Wind	1.8

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
229	34	Detroit Edison	48028	November-09	Wind	1.2
230	35	Detroit Edison	48768	November-09	Wind	2.4
231	36	Detroit Edison	48033	November-09	Solar	9.7
232	37a	Detroit Edison	48116	November-09	Solar	2.0
	37b	Detroit Edison	48116	September-10	Solar	4.0
233	38	Detroit Edison	48104	November-09	Solar	3.4
234	39	Detroit Edison	48180	November-09	Solar	4.0
235	40	Detroit Edison	48180	November-09	Wind	1.8
236	41a	Detroit Edison	48383	December-09	Solar	3.5
	41b	Detroit Edison	48383	December-10	Solar	4.7
237	42	Detroit Edison	48726	December-09	Wind	2.4
238	43	Detroit Edison	48413	December-09	Solar	19.0
239	44	Detroit Edison	48192	December-09	Solar	1.3
240	45	Detroit Edison	48164	December-09	Solar	2.7
241	46	Detroit Edison	48167	December-09	Solar	5.0
242	47	Detroit Edison	48192	December-09	Solar	10.0
243	48	Detroit Edison	48843	December-09	Solar	3.9
244	49	Detroit Edison	48346	December-09	Solar	1.4
245	50	Detroit Edison	48462	December-09	Solar	2.9
246	51	Detroit Edison	48160	December-09	Wind	1.2
247	52	Detroit Edison	48178	December-09	Solar	2.1
248	53	Detroit Edison	48342	December-09	Solar	2.4
249	54	Detroit Edison	48006	December-09	Wind	2.4
250	55	Detroit Edison	48051	December-09	Solar	8.3
251	56	Detroit Edison	48104	January-10	Solar	1.4
252	57	Detroit Edison	48130	January-10	Solar	4.9
253	58	Detroit Edison	48135	January-10	Solar	7.9
254	59	Detroit Edison	48170	January-10	Solar	6.8
255	60	Detroit Edison	48188	January-10	Solar	4.0
256	61	Detroit Edison	48124	January-10	Solar	2.3
257	62	Detroit Edison	48162	January-10	Solar	2.6
258	63	Detroit Edison	48180	January-10	Solar	2.6
259	64	Detroit Edison	49270	January-10	Solar	3.1
260	65	Detroit Edison	48085	January-10	Solar	3.0
261	66	Detroit Edison	48306	January-10	Solar	4.8
262	67	Detroit Edison	48720	January-10	Wind	3.0
263	68	Detroit Edison	48380	January-10	Solar	10.0
264	69	Detroit Edison	48370	January-10	Wind	2.4
265	70	Detroit Edison	48103	January-10	Wind	2.4
266	71	Detroit Edison	48103	January-10	Wind	2.4

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
267	72	Detroit Edison	48180	January-10	Solar	4.4
268	73	Detroit Edison	48197	January-10	Wind	2.4
269	74	Detroit Edison	48201	January-10	Solar	2.4
270	75	Detroit Edison	48843	January-10	Solar	1.9
271	76	Detroit Edison	48017	January-10	Solar	3.6
272	77	Detroit Edison	48195	January-10	Solar	5.3
273	78	Detroit Edison	48116	February-10	Solar	2.9
274	79	Detroit Edison	48138	February-10	Solar	4.6
275	80	Detroit Edison	48306	February-10	Solar	4.8
276	81	Detroit Edison	48446	February-10	Solar	2.9
277	82	Detroit Edison	48178	February-10	Solar	2.0
278	83	Detroit Edison	48198	February-10	Solar	2.1
279	84	Detroit Edison	48025	February-10	Solar	2.1
280	85	Detroit Edison	48185	February-10	Solar	2.5
281	86	Detroit Edison	48367	February-10	Wind	1.0
282	87	Detroit Edison	48471	February-10	Solar	19.0
283	88	Detroit Edison	48164	February-10	Solar	1.8
284	89	Detroit Edison	48755	February-10	Solar	2.2
285	90	Detroit Edison	48002	March-10	Solar	2.1
286	91	Detroit Edison	48103	March-10	Solar	2.7
287	92	Detroit Edison	48197	March-10	Solar	3.6
288	93	Detroit Edison	48170	March-10	Solar	7.5
289	94	Detroit Edison	48322	March-10	Solar	1.0
290	95	Detroit Edison	48375	March-10	Solar	12.0
291	96	Detroit Edison	48197	March-10	Solar	2.3
292	97	Detroit Edison	48350	March-10	Solar	5.3
293	98	Detroit Edison	48350	March-10	Solar	7.0
294	99	Detroit Edison	48381	March-10	Solar	4.9
295	100	Detroit Edison	48895	March-10	Solar	1.5
296	101	Detroit Edison	48047	March-10	Solar	2.9
297	102	Detroit Edison	48220	March-10	Solar	2.2
298	103	Detroit Edison	48367	April-10	Wind	3.8
299	104	Detroit Edison	48059	April-10	Solar	1.9
300	105	Detroit Edison	48843	April-10	Solar	5.1
301	106	Detroit Edison	48202	April-10	Solar	4.8
302	107	Detroit Edison	48202	April-10	Solar	4.8
303	108	Detroit Edison	48202	April-10	Wind	10.0
304	109	Detroit Edison	48374	April-10	Solar	5.8
305	110	Detroit Edison	48374	April-10	Solar	4.3
306	111	Detroit Edison	48114	April-10	Solar	3.9

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
307	112	Detroit Edison	48370	April-10	Solar	10.0
308	113	Detroit Edison	48066	May-10	Solar	1.5
309	114	Detroit Edison	48380	May-10	Solar	2.3
310	115	Detroit Edison	48723	May-10	Solar	2.5
311	116	Detroit Edison	48021	May-10	Solar	1.5
312	117	Detroit Edison	48371	May-10	Solar	2.2
313	118	Detroit Edison	48371	May-10	Wind	2.5
314	119	Detroit Edison	48130	May-10	Solar	3.6
315	120	Detroit Edison	48079	May-10	Solar	5.1
316	121	Detroit Edison	48421	May-10	Solar	3.2
317	122	Detroit Edison	48855	May-10	Solar	4.5
318	123	Detroit Edison	48074	June-10	Solar	4.9
319	124	Detroit Edison	48162	June-10	Solar	3.9
320	125	Detroit Edison	48310	June-10	Wind	3.0
321	126	Detroit Edison	48324	June-10	Solar	3.9
322	127	Detroit Edison	48329	June-10	Solar	1.0
323	128	Detroit Edison	48367	June-10	Wind	2.4
324	129	Detroit Edison	48066	June-10	Solar	5.0
325	130	Detroit Edison	48079	June-10	Solar	9.1
326	131	Detroit Edison	48097	June-10	Solar	19.0
327	132a	Detroit Edison	48103	June-10	Solar	6.1
	132b	Detroit Edison	48103	October-10	Solar	1.3
328	133	Detroit Edison	48103	June-10	Solar	6.1
329	134	Detroit Edison	48386	June-10	Solar	8.4
330	135	Detroit Edison	48114	June-10	Solar	4.6
331	136	Detroit Edison	48130	June-10	Solar	5.3
332	137	Detroit Edison	48169	June-10	Solar	4.6
333	138	Detroit Edison	48843	June-10	Solar	3.0
334	139	Detroit Edison	48729	July-10	Solar	6.9
335	140	Detroit Edison	48201	July-10	Solar	13.2
336	141	Detroit Edison	48331	July-10	Solar	13.8
337	142	Detroit Edison	48084	July-10	Solar	5.7
338	143	Detroit Edison	48324	July-10	Solar	1.5
339	144	Detroit Edison	48103	July-10	Solar	2.8
340	145	Detroit Edison	48176	July-10	Solar	2.7
341	146	Detroit Edison	48104	July-10	Solar	4.7
342	147	Detroit Edison	48166	July-10	Solar	4.9
343	148	Detroit Edison	48197	July-10	Solar	2.1
344	149	Detroit Edison	48346	July-10	Solar	3.4
345	150	Detroit Edison	48446	July-10	Solar	5.1

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
346	151	Detroit Edison	48001	July-10	Solar	1.5
347	152	Detroit Edison	48042	July-10	Solar	1.9
348	153	Detroit Edison	48103	July-10	Solar	3.8
349	154	Detroit Edison	48103	July-10	Solar	5.1
350	155	Detroit Edison	48198	July-10	Solar	7.3
351	156	Detroit Edison	48230	July-10	Solar	1.3
352	157	Detroit Edison	48446	August-10	Solar	4.9
353	158	Detroit Edison	48464	August-10	Wind	2.4
354	159	Detroit Edison	48111	August-10	Solar	6.6
355	160	Detroit Edison	48111	August-10	Solar	3.9
356	161	Detroit Edison	48164	August-10	Solar	3.8
357	162	Detroit Edison	48462	August-10	Solar	2.3
358	163	Detroit Edison	48472	August-10	Solar	19.0
359	164	Detroit Edison	48195	August-10	Solar	2.1
360	165	Detroit Edison	48329	August-10	Solar	4.7
361	166	Detroit Edison	48346	August-10	Solar	2.9
362	167	Detroit Edison	48170	August-10	Solar	1.0
363	168	Detroit Edison	48895	August-10	Solar	3.9
364	169	Detroit Edison	48104	August-10	Solar	3.6
365	170	Detroit Edison	48135	August-10	Solar	4.0
366	171	Detroit Edison	48342	August-10	Solar	2.3
367	172	Detroit Edison	48169	August-10	Solar	1.0
368	173	Detroit Edison	48187	August-10	Solar	4.9
369	174	Detroit Edison	48193	August-10	Solar	3.0
370	175	Detroit Edison	48334	August-10	Solar	4.6
371	176	Detroit Edison	48455	August-10	Solar	3.0
372	177	Detroit Edison	48188	August-10	Solar	1.1
373	178	Detroit Edison	48092	September-10	Solar	1.3
374	179	Detroit Edison	48176	September-10	Solar	3.8
375	180a	Detroit Edison	48472	September-10	Solar	19.0
	180b	Detroit Edison	48116	September-10	Wind	-
376	181	Detroit Edison	48116	September-10	Solar	8.3
377	182	Detroit Edison	48322	September-10	Solar	2.3
378	183	Detroit Edison	48009	September-10	Solar	2.2
379	184	Detroit Edison	48103	September-10	Solar	3.8
380	185	Detroit Edison	48162	September-10	Solar	0.2
381	186	Detroit Edison	48169	September-10	Solar	4.6
382	187	Detroit Edison	48346	September-10	Solar	4.6
383	188	Detroit Edison	48348	September-10	Solar	3.6
384	189	Detroit Edison	48472	September-10	Solar	5.8

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
385	190	Detroit Edison	48472	September-10	Solar	12.4
386	191	Detroit Edison	48755	September-10	Solar	19.0
387	192	Detroit Edison	48001	September-10	Solar	1.8
388	193	Detroit Edison	48335	September-10	Solar	3.8
389	194	Detroit Edison	48118	September-10	Solar	4.8
390	195	Detroit Edison	48118	September-10	Solar	1.9
391	196	Detroit Edison	48125	September-10	Solar	1.3
392	197	Detroit Edison	48160	September-10	Solar	5.0
393	198	Detroit Edison	48323	September-10	Solar	8.0
394	199	Detroit Edison	48307	September-10	Solar	1.3
395	200	Detroit Edison	48185	September-10	Solar	5.7
396	201	Detroit Edison	48386	September-10	Solar	2.3
397	202	Detroit Edison	48348	September-10	Solar	3.7
398	203	Detroit Edison	48371	September-10	Solar	4.3
399	204	Detroit Edison	48413	September-10	Solar	19.0
400	205	Detroit Edison	48150	October-10	Solar	4.6
401	206	Detroit Edison	48170	October-10	Solar	5.4
402	207	Detroit Edison	48170	October-10	Solar	3.4
403	208	Detroit Edison	48170	October-10	Solar	5.2
404	209	Detroit Edison	48152	October-10	Solar	2.9
405	210	Detroit Edison	48413	October-10	Solar	19.0
406	211	Detroit Edison	48428	October-10	Solar	18.6
407	212	Detroit Edison	48035	October-10	Solar	5.7
408	213	Detroit Edison	48098	October-10	Solar	5.7
409	214	Detroit Edison	48103	October-10	Solar	4.6
410	215	Detroit Edison	48324	October-10	Solar	3.0
411	216	Detroit Edison	48446	October-10	Wind	5.3
412	217	Detroit Edison	48045	October-10	Solar	2.6
413	218	Detroit Edison	48032	October-10	Solar	18.9
414	219	Detroit Edison	48101	October-10	Solar	2.0
415	220	Detroit Edison	48382	October-10	Solar	4.1
416	221	Detroit Edison	48221	October-10	Solar	18.0
417	222	Detroit Edison	48329	October-10	Solar	1.0
418	223	Detroit Edison	48084	October-10	Solar	5.9
419	224	Detroit Edison	48130	October-10	Solar	7.0
420	225	Detroit Edison	48170	October-10	Solar	18.0
421	226	Detroit Edison	48197	October-10	Solar	2.9
422	227	Detroit Edison	48230	October-10	Solar	1.9
423	228	Detroit Edison	48126	October-10	Solar	1.1
424	229	Detroit Edison	48453	October-10	Solar	19.0

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
425	230	Detroit Edison	48731	October-10	Solar	18.9
426	231	Detroit Edison	48104	October-10	Solar	19.0
427	232	Detroit Edison	48164	October-10	Solar	3.8
428	233	Detroit Edison	48152	October-10	Solar	1.9
429	234	Detroit Edison	48306	November-10	Solar	3.9
430	235	Detroit Edison	48317	November-10	Solar	3.0
431	236	Detroit Edison	48141	November-10	Solar	1.3
432	237	Detroit Edison	48228	November-10	Solar	2.0
433	238	Detroit Edison	48336	November-10	Solar	8.2
434	239	Detroit Edison	48371	November-10	Solar	3.4
435	240	Detroit Edison	48475	November-10	Solar	19.0
436	241	Detroit Edison	48733	November-10	Solar	13.8
437	242	Detroit Edison	48103	November-10	Solar	1.9
438	243	Detroit Edison	48169	November-10	Solar	2.7
439	244	Detroit Edison	48383	November-10	Solar	14.4
440	245	Detroit Edison	48105	November-10	Solar	4.8
441	246	Detroit Edison	48098	November-10	Solar	4.5
442	247	Detroit Edison	48176	November-10	Solar	10.0
443	248	Detroit Edison	48301	November-10	Solar	2.4
444	249	Detroit Edison	48302	November-10	Solar	5.5
445	250	Detroit Edison	48462	November-10	Solar	12.4
446	251	Detroit Edison	48324	November-10	Solar	5.0
447	252	Detroit Edison	48371	November-10	Solar	8.0
448	253	Detroit Edison	48195	November-10	Solar	2.6
449	254	Detroit Edison	48461	November-10	Solar	2.2
450	255	Detroit Edison	48168	November-10	Solar	2.3
451	256	Detroit Edison	48187	November-10	Solar	17.9
452	257	Detroit Edison	48103	November-10	Solar	7.7
453	258	Detroit Edison	48312	November-10	Solar	1.1
454	259	Detroit Edison	48872	November-10	Solar	6.2
455	260	Detroit Edison	48095	November-10	Solar	8.8
456	261	Detroit Edison	48178	November-10	Solar	4.0
457	262	Detroit Edison	48193	November-10	Solar	2.3
458	263	Detroit Edison	48390	November-10	Solar	1.3
459	264	Detroit Edison	48059	November-10	Solar	7.2
460	265	Detroit Edison	48154	November-10	Solar	5.5
461	266	Detroit Edison	48336	November-10	Solar	3.4
462	267	Detroit Edison	48198	November-10	Solar	5.8
463	268	Detroit Edison	48442	November-10	Solar	4.9
464	269	Detroit Edison	48023	November-10	Solar	4.8

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
465	270	Detroit Edison	48178	November-10	Solar	2.2
466	271	Detroit Edison	48329	November-10	Solar	2.3
467	272	Detroit Edison	48441	November-10	Solar	19.0
468	273	Detroit Edison	48462	November-10	Solar	4.8
469	274	Detroit Edison	48470	November-10	Solar	13.8
470	275	Detroit Edison	48470	November-10	Solar	19.0
471	276	Detroit Edison	48189	November-10	Solar	4.9
472	277	Detroit Edison	48064	November-10	Solar	3.6
473	278	Detroit Edison	48135	November-10	Solar	2.6
474	279	Detroit Edison	48733	November-10	Solar	19.0
475	280	Detroit Edison	48103	December-10	Solar	10.3
476	281	Detroit Edison	48103	December-10	Solar	6.2
477	282	Detroit Edison	48104	December-10	Solar	2.2
478	283	Detroit Edison	49236	December-10	Solar	5.4
479	284	Detroit Edison	49236	December-10	Solar	10.8
480	285	Detroit Edison	48076	December-10	Solar	1.3
481	286	Detroit Edison	48134	December-10	Solar	18.5
482	287	Detroit Edison	48134	December-10	Solar	19.0
483	288a	Detroit Edison	48134	December-10	Solar	9.6
	288b	Detroit Edison	48843	December-10	Solar	3.5
484	289	Detroit Edison	48041	December-10	Solar	5.3
485	290	Detroit Edison	48335	December-10	Solar	3.4
486	291	Detroit Edison	48348	December-10	Solar	6.4
487	292	Detroit Edison	48382	December-10	Solar	4.8
488	293	Detroit Edison	48442	December-10	Solar	4.9
489	294	Detroit Edison	48462	December-10	Solar	3.8
490	295	Detroit Edison	48130	December-10	Solar	7.0
491	296	Detroit Edison	48130	December-10	Solar	1.0
492	297	Detroit Edison	48456	December-10	Solar	3.5
493	298	Detroit Edison	48461	December-10	Solar	2.9
494	299	Detroit Edison	48471	December-10	Solar	19.0
495	300	Detroit Edison	48116	December-10	Solar	2.2
496	301	Detroit Edison	48168	December-10	Solar	8.4
497	302	Detroit Edison	48103	December-10	Solar	8.0
498	303	Detroit Edison	48105	December-10	Solar	4.2
499	304	Detroit Edison	48130	December-10	Solar	19.0
500	305	Detroit Edison	48131	December-10	Solar	5.3
501	306	Detroit Edison	48309	December-10	Solar	4.3
502	307	Detroit Edison	48471	December-10	Solar	19.0
503	308	Detroit Edison	48731	December-10	Solar	14.4

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
504	309	Detroit Edison	48188	December-10	Solar	5.3
505	310	Detroit Edison	48374	December-10	Solar	7.0
506	311	Detroit Edison	48105	December-10	Solar	7.4
507	312	Detroit Edison	48168	December-10	Solar	8.0
508	313	Detroit Edison	48111	December-10	Solar	5.3
509	314	Detroit Edison	48154	December-10	Solar	3.3
510	315	Detroit Edison	48188	December-10	Solar	3.0
511	316	Detroit Edison	48322	December-10	Solar	5.1
512	317	Detroit Edison	48381	December-10	Solar	4.6
513	1	Great Lakes Energy	49455	August-08	Wind	1.8
514	2	Great Lakes Energy	49050	February-09	Solar	4
515	3	Great Lakes Energy	49459	July-09	Wind	20
516	4	Great Lakes Energy	49437	July-09	Wind	20
517	5	Great Lakes Energy	49646	July-09	Wind	1.8
518	6	Great Lakes Energy	49454	July-09	Wind	1.8
519	7	Great Lakes Energy	49405	July-09	Wind	1.8
520	8	Great Lakes Energy	49648	July-09	Wind	1.8
521	9	Great Lakes Energy	49615	July-09	Wind	1.8
522	10	Great Lakes Energy	49720	July-09	Wind	1.8
523	11	Great Lakes Energy	49344	July-09	Solar	4
524	12	Great Lakes Energy	49337	July-09	Wind	5
525	13	Great Lakes Energy	49770	July-09	Wind	9
526	14a	Great Lakes Energy	49431	January-10	Wind	1.25
	14b	Great Lakes Energy	49431	January-10	Solar	1.25
527	15	Great Lakes Energy	49455	April-10	Wind	2.4
528	16	Great Lakes Energy	49713	April-10	Solar	1.8
529	17	Great Lakes Energy	49455	May-10	Wind	1
530	18	Great Lakes Energy	49323	May-10	Wind	1
531	19	Great Lakes Energy	49639	June-10	Solar	1.8
532	20	Great Lakes Energy	49680	July-10	Wind	1.9
533	21	Great Lakes Energy	49646	September-10	Solar	2.8
534	22	Great Lakes Energy	49665	September-10	Wind	1.2
535	23a	Great Lakes Energy	49333	November-10	Wind	1
	23b	Great Lakes Energy	49333	October-10	Solar	0.72
536	24	Great Lakes Energy	49735	October-10	Wind	20
537	25a	Great Lakes Energy	49751	December-10	Wind	1
	25b	Great Lakes Energy	49751	December-10	Solar	0.7
538	26	Great Lakes Energy	49344	January-09	Solar	3.1
539	27	Great Lakes Energy	49680	January-10	Solar	1.3
540	28	Great Lakes Energy	49720	June-10	Solar	4

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
541	1	HomeWorks Tri-County	48875	June-10	Solar	5
542	2	HomeWorks Tri-County	48632	January-08	Solar	3.9
543	3	HomeWorks Tri-County	48891	January-08	Solar	0.25
544	4	HomeWorks Tri-County	49340	August-08	Solar	2.5
545	1	Midwest	49002	November-08	Solar	2
546	2	Midwest	49220	December-08	Wind	5
547	3	Midwest	49097	January-09	Solar	3
548	4	Midwest	46514	February-09	Wind	10
549	5	Midwest	49279	June-06	Solar	2.3
	5b	Midwest	49279	April-09	Wind	5
550	6	Midwest	46530	August-09	Wind	1.8
551	7	Midwest	49065	August-09	Solar	2.8
552	8	Midwest	49031	October-09	Wind	1.8
553	9	Midwest	49112	Jun-10	Solar	3
554	10	Midwest	49286	Jul-10	Solar	4
555	11	Midwest	49079	June-09	Solar	3
556	12	Midwest	49065	Unknown	Solar	4
557	13	Midwest	43521	June-09	Wind	1.8
558	1	Northern States/Xcel	49911	September-06	Wind	2.4
559	1a	Ontonagon	49930	Unknown	Hydro	5
	1b	Ontonagon	49930	Unknown	Solar	5
560	2	Ontonagon	49913	June-06	Solar	10
561	3	Ontonagon	49930	September-06	Solar	10
562	4	Ontonagon	49953	June-09	Wind	10
563	5	Ontonagon	49916	July-09	Wind	10
564	6	Ontonagon	49913	November-09	Wind	10
565	1	Presque Isle	49746	June-08	Wind	2.8
566	2	Presque Isle	49753	July-08	Wind	2.8
567	3	Presque Isle	49776	August-08	Wind	2.8
568	4	Presque Isle	49776	September-08	Wind	2.8
569	5	Presque Isle	49707	September-08	Wind	2.8
570	6	Presque Isle	49707	October-08	Wind	2.8
571	7	Presque Isle	49721	October-08	Wind	2.8
572	8	Presque Isle	49709	November-08	Wind	2.8
573	9	Presque Isle	49709	November-08	Wind	2.8
574	10	Presque Isle	49707	January-09	Wind	2.8
575	11	Presque Isle	49779	Febuary-09	Wind	2.8

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
576	12	Presque Isle	49707	June-09	Wind	2.8
577	13	Presque Isle	49721	July-09	Wind	2.8
578	14	Presque Isle	49709	July-09	Wind	2.8
579	15	Presque Isle	49765	July-09	Wind	2.8
580	16	Presque Isle	49765	August-09	Wind	2.8
581	17	Presque Isle	49765	September-09	Wind	2.8
582	18	Presque Isle	49765	October-09	Wind	2.8
583	1	Thumb	48744	June-08	Wind	1.9
584	2	Thumb	48744	July-09	Wind	1.9
585	3	Thumb	48723	Apr-10	Wind	1.9
586	4	Thumb	48746	Dec-10	Solar	3.2
587	1	UPPCo	49829	December-06	Wind	2
588	2a	UPPCo	49829	May-08	Solar	5.6
	2b	UPPCo	49829	May-08	Wind	2
589	3	UPPCo	49931	November-08	Wind	2.4
590	4	UPPCo	49931	December-08	Wind	2.4
591	5	UPPCo	49837	January-09	Solar	2
592	6	UPPCo	49913	January-09	Wind	2.4
593	7	UPPCo	49945	January-09	Wind	2.4
594	8	UPPCo	49807	July-09	Solar	2
595	9	UPPCo	49931	July-09	Wind	1.5
596	10	UPPCo	49805	August-09	Solar	2.7
597	11	UPPCo	49830	August-09	Solar	2.7
598	12	UPPCo	49829	August-09	Wind	2.4
599	13	UPPCo	49849	August-09	Wind	2.4
600	14	UPPCo	49913	August-09	Wind	2.4
601	15	UPPCo	49934	August-09	Wind	2.4
602	16a	UPPCo	49953	August-09	Solar	0.7
	16b	UPPCo	49953	August-09	Wind	2.4
603	17	UPPCo	49807	October-09	Solar	2.7
604	18	UPPCo	49807	October-09	Wind	2.4
605	19	UPPCo	49829	October-09	Solar	2.8
606	20	UPPCo	49841	October-09	Wind	2.4
607	21	UPPCo	49916	December-09	Wind	2.4
608	22	UPPCo	49807	January-10	Wind	2.4
609	23	UPPCo	49849	January-10	Wind	2.4
610	24	UPPCo	49849	March-10	Solar	2.6
611	25	UPPCo	49849	April-10	Solar	2.8
612	26	UPPCo	49849	August-10	Wind	10
613	27	UPPCo	49916	September-10	Wind	2.4

Number of Customers		Utility Company	Zip Code	Starting Month & Year	Technology Type	Generator Size (kW)
Total	Per Utility					
614	28	UPPCo	49945	October-10	Solar	3.6
615	1	We Energies	49801	November-83	Hydro	2.5
616	2	We Energies	49886	April-86	Hydro	2.5
617	3	We Energies	49807	April-07	Solar	0.7
618	4	We Energies	49896	September-08	Solar	1.2
619	5	We Energies	49880	October-08	Wind	5.5
620	6	We Energies	49801	November-08	Wind	5.5
621	7	We Energies	49812	April-09	Wind	6
622	8	We Energies	49876	June-09	Wind	2.4
623	9	We Energies	49892	July-09	Wind	2.4
624	10	We Energies	49920	September-09	Wind	2.4
625	11	We Energies	49847	November-09	Solar	2
626	12	We Energies	49831	January-10	Wind	7.2
627	13	We Energies	49801	June-10	Solar	1.8
628	1	WPSC	49893	June-08	Wind	2.5
Total	**628**	**Customers**				**2,828 kW**

Table 2: Michigan Solar PV Totals (Estimate)

Michigan Solar PV Totals (Estimate Through 3rd Quarter 2011)		
Program	Number of Installations	Total Participating Solar Capacity kW
Solar Net Metering (includes Detroit Edison SolarCurrents customer-owned projects)	648	4,423
Experimental Advanced Renewable Program (EARP) Consumers Energy	102	2,020
SolarCurrents (Detroit Ediston-owned projects)	8	2,511
Total	758	8,954 kW
Data reflects 2010 net metering reports provided to the MPSC and Consumers Energy EARP and Detroit Edison SolarCurrents (both customer and company owned) installations through the 3rd quarter of 2011.		