



Ypsilanti Food Cooperative
312 N. River Street
Ypsilanti, Michigan 48198
734-483-1354
Grant PSC-08-31

January 1, 2010 through February 28, 2010
Report by Dave Strenski

Complete Task

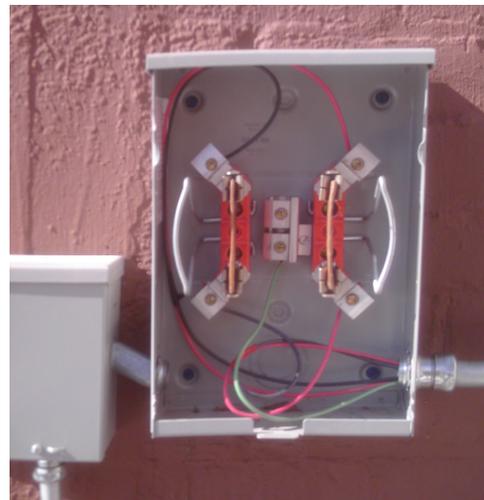
100%	Expansion of Solar installation at Cooperative
95%	Installation of Solar panels at City Hall
90%	Utility meter reading program
90%	Building of SolarYpsi.com website
90%	Solar educational outreach

Progress over the past two months

Progress for the past two month has been painfully slow. The solar panels are installed and all the wiring is finished. The system has been inspected and test and we even ran it for several minutes. The last tasks were to have the City of Ypsilanti sign an agreement with DTE and for a field technician to installed the generation and bi-directional meters and give the final OK to commission (turn on) the system.

We had a week delay getting the agreement signed since we were not sure who from the City should sign it. Once that was mailed in, we exchanged several emails with DTE to schedule the commissioning. During this exchange, we reminded DTE that we wanted digital meters with KYZ pulse output, so we could connect our meter reading program to them. They said that bi-directional meters would not support KYZ pulse output! We dug out some old communications where they said it was possible, and they researched it further and yes it is possible and they would be installing the correct meters. This cost us several weeks of time.

Finally the field technician came to install the meters and commission the system, but when they went to install the meter, they noticed that the meter socket was incorrect and did not commission the system. Here is a picture of the meter socket. City Hall uses three phase power and our solar installation produces single phase power and is only feeding two of the legs of the three phase power. As a result, there is no 120 volts AC in the meter socket for the electronics used for the digital meter.

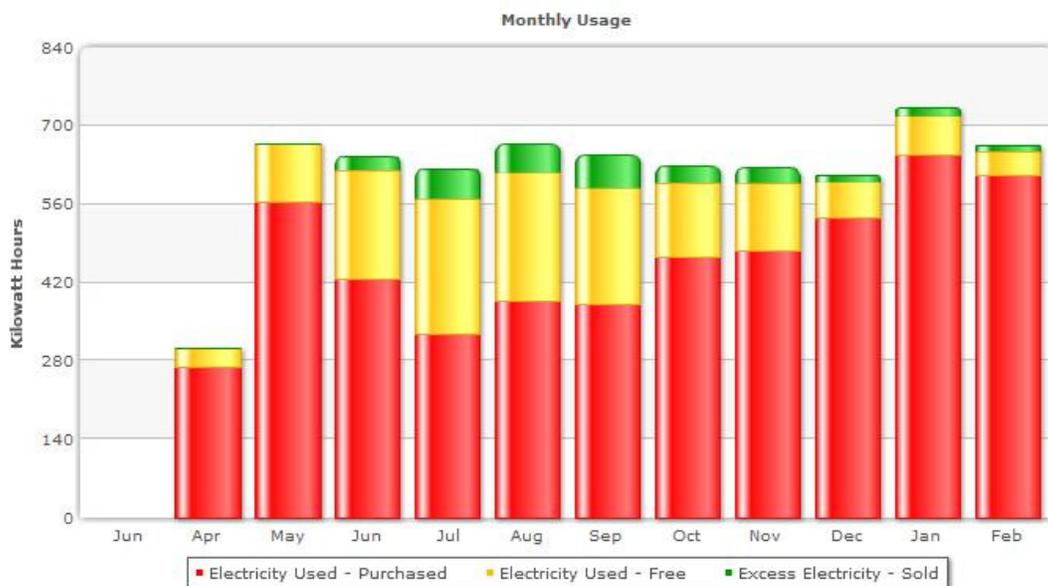


Several more calls and emails between DTE and the electrician we understood the issues and the electrician agreed to change the meter socket. What is needed is to add a fifth jaw to the meter socket to add a ground/neutral to the socket. The electrician was able to locate this part and has ordered it. Unfortunately, he then had a scheduled trip out of town for two weeks and as of the end of February, the extra part has not yet been installed.

Needless to say, the grant is working and all of us, Ypsilanti Food Coop, DTE Energy, and the electrician are all learning about the details of installing solar photovoltaic systems.

No solar talks were given during this period, though we applied to give a solar talk at the Ann Arbor Ignite event, but was not selected.

Anticipated energy saving



The Cooperative is now benefiting from the additional solar panels on the roof. Above is a bar chart of our monthly power usage and the percentage coming from the solar panels.

May	120 KWH
June	210 KWH
July	240 KWH
August	240 KWH
September	210 KWH
October	150 KWH
November	120 KWH
December	70 KWH
January	70 KWH
February	60 KWH

Expenditures compared to budget

No money was spent during this period.

Noteworthy Accomplishments

None.

Risk to the project

None at this time.

Deviations from the Statement of Work

None.

Money Spent in the Past Two Months

Submitted by Dave Strenski and Corinne Sikorski