



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

November 1, 2009 through December 31, 2009
Report by Dave Strenski

Complete Task

- 100% Expansion of Solar installation at Cooperative
- 90% 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

The solar panels are installed and wired into the building. We turned the system on and tested it for a few minutes. We turned the system back off and now have to wait for the electrical inspection and approval/testing from DTE Energy to go into full electrical production. Here are some pictures.





The picture above shows the wall before we installed the inverter. The metal box in the middle was not being used so we removed it to make room for the inverter. The picture below shows the inverter mounted on the wall and Dave doing some wiring.

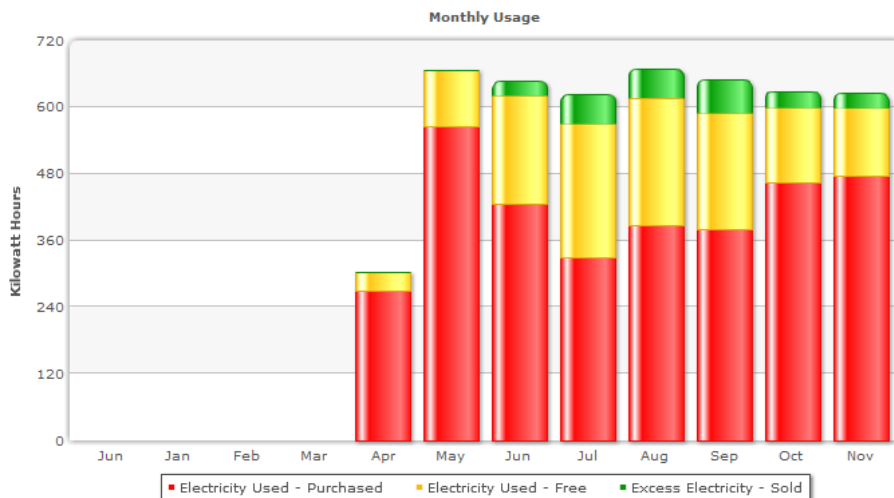


More installation pictures are at www.SolarYpsi.org/index.php?siteDetails=cityhall

We have the display monitor installed in City Hall's lobby, but it is not connected to the internet yet. The City Hall utility/solar power data collector laptop has been configured with Linux but still needs the data collection program installed and tested before we install it in the City Hall basement.

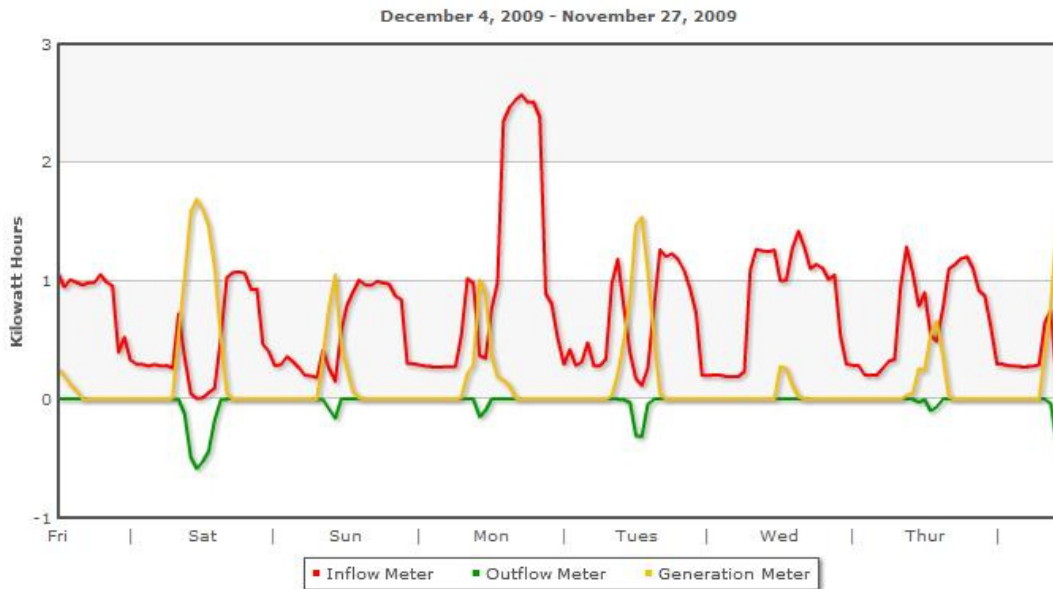
During the past two months we gave one talk at the Elwell School "Green Expo" and engaged about 12 people. We also had an article in the YpsiCiti.com in October. ypsyciti.com/section/Community/Solar+Ypsi+moves+forward-article-1247.html

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. We have saved 120kWh in May, 210 in June, 240 in July, 240 in August, 210 in September, 150 in October, and 120kWh in November.

We also continue to benefit from monitoring our power usage. With the display system now up and running in the store, we expect this to give even more positive feedback to the employees to conserve energy. For example, an employee used a small space heater and the graphs show the effects of turning that electric heater on. See Monday in graph below.



Expenditures compared to budget

Installing the panels at City Hall required more hardware, which cost \$192.68 from Congdon's Ace Hardware. Another half a day with the lift was also needed and cost \$169.60 from Delux Rental. This was not in the revised budget, but may be considered as equipment costs.

We purchased the computer, monitor, and mounting devices from Clover Computer for \$848.96 and purchased cable to connect the monitor for \$34.97, well under the budgeted amount.

The electrician completed all work necessary for both City Hall and the coop, and Tim Neff was paid for all work: \$300.00 for the Coop and \$2,125.00 for City Hall, all on budget.

Noteworthy Accomplishments

Solar panels installed and wired in to the building's electrical system.

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