

To: Thomas R. Maves  
 Ohio Department of Development  
 Office of Energy Efficiency  
 P.O. Box 1001  
 Columbus, Ohio 43216-1001

From: Greg Kremer, Grantee for Distributed Energy Resources Grant Number 04-26

**Subject: July 2004 Status Report for Distributed Energy Resources Project # 04-26**

The installation of the hybrid solar and wind system has been completed, and all meters and wiring are now in place. Initial results for the solar system are promising, showing a net positive energy balance for the months of June and July. The wind system has been worked on and Dovetail Solar and Wind employees believe it is in working condition but it has not yet been tested due to a lack of proper wind conditions. Future reports will include more detailed system performance data.

The following items are being reported in accordance with the project agreement:

**Photographs of the DER system installation site (before, during, and after installation):**

- Included in the May report.

**Log of activities performed to get approval for installation of the DER system (siting, permitting, zoning, interconnection, and net metering agreements):**

- The net metering agreement has been signed and sent to Milt Shafer, AEP.

**Actual Project Costs [system design, equipment (itemized), installation, fees (itemized)]:**

- Waiting on final bill from Dovetail Solar and Wind for installation and equipment.

**Electric bill usage information (starting one year before system installation, and noting major changes to the project site's energy profile):**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2003	267	229 E	178	165	135	139	183	183	124 E	185 E	52	158
2004	130	130	66	72	47	5	-59.4*					
12 mo. avg	167	155	146	138	130	119	98.6					

[All values in KWh, E indicates Estimated reading]

\* This is the difference between the meter reading on Aug 1<sup>st</sup> and the last actual reading from the June electric bill (6/18/04).

**Monthly Energy production measured by the DER system metering equipment:**

- The metering equipment to directly track energy production has been installed. The reading as of August 1<sup>st</sup> was 22 kWh, but the meter was not installed until the middle of July. Actual monthly production will be reported next month (at least for the solar system).

**Notes on System Performance** (downtime, maintenance, repair costs, weather, etc.):

- The solar system is operating well.
- Dovetail Solar believes that the wind system installation is complete, but we have not had windy enough conditions over the past week to determine if it is actually working.

**Public Education Activities:**

- Continuing discussions with community members
- Web site updates
- Preparing to use the system in Ohio University Mechanical Engineering classes in the upcoming academic year.