



Solar News Flash!

30% Solar Tax Credit

New Federal Solar (pv) Tax Credit
eliminates \$2,000 limit

Save Thousands of Dollars!

A 4.2 kW system valued at \$37,800
just got more affordable.

Was \$14,000

(typical cost for roof-mounted pv system after tax credits and rebates)

Now \$9,700

For more information call Betsy (x103) or visit us online.

sundogsolar.net 518.392.4000

Commercial Net Metering Is Here

The New York State legislature passed a new bill in August expanding the state's net metering laws to include commercial customers.

Spin Your Meter Backwards at Your Business

Event News

SunDog Solar, the first green business to launch at Solaqua Power & Art, will be at:

Buy Local Business EXPO

October 23, 2008

Columbia-Greene Community College, Hudson

Sponsored by the Chamber of Commerce - For a seminar schedule please visit

www.columbiachamber-ny.com

ECO Show

November 14 & 15

Empire State Plaza, Albany

Please visit our booth.

Call for Artisans

Solaqua anticipates offering large production spaces for artists this spring. We will have commercial/production spaces for rent, available to local industrial artists, appropriate for recycled glass production, ceramic production, small casting and foundries, furniture makers, etc. If you're interested in renting space please visit www.solaqua.org and join our artist sign-up, or send an email inquiry to info@solaqua.org

Solaqua joins with Clearwater for the "Tower of Power" Project

Solaqua Power & Art has been awarded a grant from the Berkshire-Taconic Community Foundation and Chatham Education Foundation to collaborate on a renewable energy program with the Clearwater organization. The program, entitled "ECO-Power," will be included in the 5th grade science curriculum at the Chatham Middle School this coming year.

Drawing on their experience demonstrating renewable energy principles and systems to students in the field and at their site in Chatham, members of the Solaqua team worked with Clearwater to develop a proposal for Chatham students that incorporates New York State learning standards and activities for both classroom and site-based project learning.

Central to the Solaqua proposal is a "**Tower of Power**" that will use a number of mechanical devices to demonstrate solar, wind, and water power, and principles of energy generation. Clearwater will conduct an interactive classroom presentation on "Introduction to Solar Power" using the Tower of Power. Later in the spring, Clearwater will conduct a "Tideline Discovery Program" at the Hudson River shoreline, building on principles learned earlier in the year.

Funding for the ECO-Power program was made possible by the Alexander M. White

Fund, a memorial fund named for Sandy White, former Chatham School Board President. Solaqua Power & Art is donating the matching funds for the grant program.

Clearwater is a not-for-profit organization created to defend and restore the Hudson River, including scientific research, education, advocacy, and conducting other actions that will enhance and improve the environment of the Hudson River Valley and surrounding areas.

For more information visit www.solaqua.org or www.clearwater.org

Solar Thermal Project

A solar thermal demonstration project is underway at the Solaqua campus comparing two solar thermal collector technologies: flat plate and evacuated tubes solar thermal collectors. This hybrid system will provide a substantial portion of the annual space heat and domestic hot water requirements for the offices of Kling Magnetics and SunDog Solar. The final installation phase was completed earlier this summer. Funding for this project was made possible by the New York State Energy Research and Development Authority (NYSERDA) and federal tax credits.

"Spirit of DC" visits Solaqua Power & Art and SunDog Solar



SunDog Solar was thrilled to have a visit from Jerry Asher and his EV Toyota Prius on Thursday, August 7th. SunDog Solar's Founder and President, Jody Rael (who owns a Prius himself) and the rest of the crew came out to see this incredible vehicle. Jerry was delighted to be able to plug in the **"Spirit of DC"** into SunDog's solar array. According to Jerry, this was the first time his EV Prius had ever been plugged into an outlet that derives all its energy from free, non-polluting, renewable solar power.

According to Jody Rael, *"when we put up the solar at our site I had outlets put in at all the pole locations because I knew the day would come when we would all want to plug in our electric vehicles."* Mr. Rael currently has four electric vehicles, one of which is an electric van that was manufactured in 1978 and one is an electric GEM car that he's modified to have a solar powered public address system in it (the only truly mobile solar powered PA we know of).

Jody gave Jerry a tour of the SunDog facility, which is the first carbon neutral factory in New York. SunDog has achieved that goal by the installation of 12.6 kilowatts of photovoltaic cells, a solar thermal array to heat hot water, and heating the factory using recycled vegetable oil from local area restaurants.

Jody also showed Jerry the Solaqua project where he is redeveloping a 100,000+ square foot paper mill into an industrial and green building arts center powered by renewable energy (of course!). Jerry and Jody spoke about having a portion of the

Solaqua mill project space being devoted to Prius conversions. With over 700,000 Prius' on the road Jerry is confident that when the word gets out about the advantages of plug in cars that get over 100 mpg, hybrid car owners will push the market to offer conversion services.

To find out more about SunDog Solar visit www.sundogsolar.net and to find out more about the Solaqua project visit www.solaqua.org. Visit www.phev3a.com for more information about the "Spirit of DC".

Thank You,

Rebecca Boyd
SunDog Solar

SunDog Solar | 343 Route 295 | PO Box 348 | Chatham | NY | 12037