



May 2009

## Event News

### SunDog's Summer Solstice Family Picnic & Energy Fair



SunDog Solar will host the first annual **Summer Solstice Family Picnic & Energy Fair** on **Saturday, June 20, 2009 from Noon to 4pm**, at **Crellin Park** on Route 66 in Chatham. Bring a picnic lunch, meet your amazing neighbors, celebrate the summer solstice with family and friends, and learn about renewable energy.

With live music by local and international musicians, attendees will also have an opportunity to meet community organizations devoted to sustainable, green and artistic living. The event is rain or shine and admission is free. In lieu of admission attendees are asked to bring a non-perishable food donation (or cash donation) for the Regional Food Bank.

For printable version of the event flyer visit <http://sundogsolar.net/solstice.cfm>

## Solaqua Power & Art News

Solaqua Power & Art is pleased to announce the launch of their new website. To learn more about the project visit

[www.solaqua.org](http://www.solaqua.org)



On Wednesday, May 20th, fifth grade students from Chatham Middle School will make a special visit to Solaqua Power & Art to take part in the "ECO POWER" Program,

a renewable energy program presented in conjunction with Clearwater in Chatham. Solaqua and Clearwater ([www.clearwater.org](http://www.clearwater.org)) will conduct an interactive classroom presentation with the students, using the "Tower of Power". The "Tower of Power" is a mobile solar demonstration unit fabricated by local artist Chris Werner. The Tower features a number of mechanical devices to demonstrate solar,

wind, and water power, and principles of energy generation. In June Clearwater will conduct a "Tideline Discovery Program" with the students, along the Hudson River shoreline.

## Energy Corner

### Solaqua's Solar Thermal Project

A monitoring system is now live for Solaqua's Solar Thermal Project. Real-time data and project photos are available online, for the solar thermal demonstration project comparing flat plate and evacuated tube solar collectors. To view visit:



[www.solarwave.net/login/login\\_form.php?action=login](http://www.solarwave.net/login/login_form.php?action=login)

You will be asked for a username (D-e2ge2g) and password (skinner). Click on the link for "Solaqua" located on the upper right above the word "Site Info". The front page displays temperature trends (rising or falling) or you may click on "advanced graphs" to view additional variations of data.

### Bio Spray Foam & More...

As an additional energy upgrade (in October 2008) bio spray foam insulation was added to the building exterior of Kling Magnetics and SunDog Solar. Installation services for bio-spray foam insulation are offered by SunDog Solar ([www.sundogsolar.net](http://www.sundogsolar.net)). Since 2006, major renewable energy improvements have been completed on the building as a model for later adoption at the mill, including a 12.6kW solar PV electrical system, with another 25kW to be installed in 2009. A 500K BTU waste vegetable oil boiler heats the building, with propane serving as backup alternative energy. Several rooftop solar thermal arrays provide hot water, exterior closed-cell soy foam insulation, double storm windows and T5 fluorescent lighting with motion switches make this building a carbon-neutral, energy-efficient model for future development at the mill, and for other commercial businesses.

### Solar Thermal Center

Solaqua Power & Art is creating a comprehensive Solar Thermal Center that will include demonstration models, equipment sales and distribution, installation crews, workforce development training and public education of solar thermal technologies. Solar thermal systems capture the sun's energy, in the form of BTU's, to heat water or air at up to 80% efficiency.

The Center will feature a state-of-the-art training facility powered by renewable energy, with classrooms and labs that are equipped with a variety of solar thermal collectors, tanks, pumps, controllers, and other components. A mobile lab will also be developed that can be transported to other locations for hands-on training classes.

Solaqua has established developed a curriculum for professional Solar Thermal education, and has established partnerships with technical schools and SUNY Community Colleges including Bronx, Columbia-Greene, Dutchess, Orange, Rockland, Sullivan and Ulster. Please visit [www.solaqua.org](http://www.solaqua.org) for more information.

# 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**

## Event News

### **Summer Solstice FAMILY PICNIC & ENERGY FAIR**

Saturday, June 20, 2009 - Noon-4PM

Crellin Park, Chatham

### **Columbia County Fair**

Labor Day Weekend, 2009

Chatham Fairgrounds, Chatham

### **The ECO Show**

November 2009

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Thank You,

SunDog Solar