



Cornell Cooperative Extension's 29th Annual

# Spring Housing Tour 2010

BY CAR



Saturday, June 5, 2010

8:30 am – 4:00 pm



**8:30 am – TOUR REGISTRATION – Jen and Bill Boyle's Home – 288 Gaffey Road off Route 23, Harpersfield, NY:** From Route 23, go north on Gaffey Road about 1/4 mile. Boyle home is on the right.

**9:00 am – Residential Wind Turbine and Solar Systems – 288 Gaffey Road, Harpersfield, NY:** How green can your home be? Bill and Jen Boyle continue to spark interest in renewable green living with their 10 KW Bergy 120-foot wind turbine and their new 4 KW solar thermal and hot water systems that supply about 80-percent of their energy needs. Bill will share the performance data on their wind turbine and solar systems that power their home as an energizing kick-off to Cornell Cooperative Extension's annual housing tour. Bring your questions and walking shoes so that you can take a short walk (600') to the wind mill that is located in a field next to the house and ask your questions on moving to green energy and green living.

**10:30 am – Solar Heating for Home and Hobbies – 1817 Town Brook Road, Hobart, NY:** With a 2-percent interest NYSERDA energy loan, Harry and Paula Nissen purchased a 36-panel 8.28 KWH photovoltaic solar system from RPS Latham to provide backup electric heat for their home and hobbies. To save energy they replaced light bulbs with compact florescent bulbs and installed an instant hot water heater. With almost a year of solar power from their solar system the Nissens are not paying NYSEG for electricity. Come and see this solar system mounted on the garage roof and decide if solar might be a long-term energy investment for your future.

**11:30 am – 12:15 pm Director's Home at 4-H Camp – 2420 Arbor Hill Road, Delhi, NY:** Participants You are free to tour the Camp Director Home at 4-H camp completed by SUNY Delhi students in 2006. Learn how to apply to have a home built by SUNY Delhi from Jim Worden who oversees SUNY Delhi's home construction projects. Jim will explain how to construct an energy efficient home as a priority before installing energy efficient alternative heating systems.

**12:15 am – 1:15 pm LUNCH – Bring a Bag Lunch – 4-H Camp, 2420 Arbor Hill Road, Delhi, NY:** Cornell Cooperative Extension of Delaware County is working with the Catskill Watershed Corporation to help facilitate a local grass bioenergy loop. This production to consumption project starts with assisting farmers to produce suitable crops, to test the grass biomass pellets, and to install, research, and demonstrate residential and larger scale combustion technologies. During lunch you will learn more about CCE's grass biomass energy project and performance of Quadra-Fire stove at camp.

**1:30 pm – Delaware County Waste-to-Energy Project – 32230 State Highway 10, Walton, NY:** At this housing tour stop you will see the Delaware County Waste-to-Energy Project, a renewable energy power project located at the Delaware County Solid Waste Management Center. The 1,000 kw engine-generator is fueled by combustible gas produced by the decomposition of solid waste at the landfill, enough power to meet the electrical needs of about 500 average size homes. In addition to producing electrical energy, the project produces "environmental attributes" which represent the positive impact the project has in reducing the amount of greenhouse gases that are emitted from the landfill. The project entered commercial operation on December 5, 2008, and is the result of a collaborative partnership between Delaware County Electric Cooperative and the Delaware County Department of Public Works.

**2:30 pm – Passive Solar Retirement Home – 2136 Covert Hollow Road, Hamden, NY:** When Rick & Rosemary Roberts retired from jobs in Rochester, NY, they decided to build their retirement home in Hamden on land they had purchased in Covert Hollow. They had the basic design plan in mind for their new home and working with architect Chuck Bryant through many revisions they achieved a final plan in 2001. In 2002 they broke ground with local master builder James Francisco in charge of constructing the 3200 sq ft contemporary home. The 4 bedroom, 4 bath home is heated solely by a radiant floor system installed in concrete in all of the floors. The poured concrete basement with root cellar, Rumsford fireplace, and extensive interior native stonework acts as a heat sink in winter to maintain a constant, comfortable temperature. In summer, low-e windows and a whole house fan help to cool the interior. The home was complete in 2005 and features a south facing 1000 sq ft great room with cathedral ceiling and overlooking loft, cherry floors, custom built stone fireplace, 2 bedroom master suite with a large master bath. The great room, dining area and both master bedrooms over look a one-acre pond and offer beautiful views from the many Anderson windows. The landscaping shows off the owner's extensive use of natural stone and terraced gardens at this tour stop.



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 of Delaware County

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Dear Friend,

Come and bring a friend to the ANNUAL HOUSING TOUR (by car) sponsored by Cornell Cooperative Extension in Delaware County. The tour will feature renewable energy green building systems for homeowners and businesses Delaware County Waste to Energy Project. We hope you can join us for this energy wise educational housing program.

Sincerely,

Jeanne Darling  
 Executive Director

Cornell Cooperative Extension of Delaware County is an equal opportunity provider and employer.

*Building Strong and Vibrant New York Communities*

CURRENT RESIDENT OR

34570 St Hwy 10, Suite 2  
 PO Box 184  
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**PLEASE REGISTER BY MAY 31—SEND FORM TO:**

Cornell Cooperative Extension, PO Box 184, Hamden, NY 13782 or call **607-865-6531** or email **vsd22@cornell.edu**

I am enclosing \$ \_\_\_\_\_ registration fee: **\$5.00 (CCE Member)** or **\$6.00 (Non-Member)**.

Please make checks payable to Cornell Cooperative Extension.

**NOTE: REGISTRATION IS \$8.00 ON DAY OF TOUR.**

**Please contact our office by  
 May 28, 2010, if you have  
 special needs.**

Name \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_

Name \_\_\_\_\_

Email \_\_\_\_\_

Phone \_\_\_\_\_

**Tour begins at 288 Gaffey Road,  
 Harpersfield, NY  
 8:30 a.m.  
 Saturday, June 5, 2010**

**From Stamford:** Drive approximately 4 miles west on Route 23, turn right at Gaffey Road, Boyle home is 1/4 mile on right.

**From Oneonta:** Drive approximately 21 miles east on Route 23, turn left at Gaffey Road, Boyle home is 1/4 mile on right.