



Sustainable News

A publication of the Wayne County Sustainable Energy Network

Fall 2009

Promoting sustainable energy policies and practices in Wayne County

printed on 100% recycled paper

Mark Your Calendars! Get Involved!

Don't miss these fun and informative upcoming events

Oct. 3 & 4 Ohio Solar Tour

Tour includes Wayne and Holmes Counties. See reverse for more information.

Oct. 6 Orrville Green Team Meeting

at Wayne College Community Room,
(Tues.) 7p.m. For more information contact jgault@orrville.com

Nov. 5 "We're in a Mess & What We Can Do"

at Orrville Public Library, (Thurs.) 7-8p.m. Presentation by Barry Romich on climate disruption based on Thomas Friedman's book, *Hot, Flat, & Crowded*. To schedule a presentation email: info@wcsen.org or call 330-262-1984x211. Presentation is 20-30 minutes plus Q & A.

Oct. 9-13 and 15-18 Solar Decathlon 2009

at the National Mall, Washington, D.C. The U.S Dept. of Energy's Solar Decathlon challenges 20 universities to design and demonstrate energy-efficient homes that provide all of the energy from clean, renewable sunlight. The competition produces innovative solutions that are demonstrated on the National Mall for the whole world to see and learn from. The Solar Village is open to the public Oct. 9-13 and 15-18, with the overall winner to be announced Oct. 16. Public tours of the houses are 11a.m. to 3p.m. weekdays and 10a.m. 5p.m. weekends. Meet the teams, view the houses, experience educational exhibits. Free event. Visit www.solardecathlon.org for full details. Ohio State University is participating.

Early-Mid Nov. Opening of Local Roots

(tentative date) Wooster's new sustainable market plans to make the connections between our food sources, our local economy, our community, and a sustainable way of life.



Nov. 12 Three speaker panel on Fuel Cells

(tentative date) Wooster. For more information visit our website: www.wcsen.org

April 20, 2010 Scarlet, Gray & Green Fair

This annual, day-long event is held at Wooster's OARDC and WCSen is co-sponsor.

Thank you to all of our generous supporters and dedicated volunteers!

Attention Teachers...



or anyone interested
in borrowing WCSen's

GREEN POWER STATION!

This solar and wind demonstration unit is available for use in classrooms. Visit: wcsen.org and click on school or email: info@wcsen.org

Local is Good!

Help us support & promote sustainable and local green efforts!

CONTACT INFORMATION

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Wooster, OH 44691

Wooster Green Team Recycle Committee

Allyson Leisy
ally1953@sssnet.com

Orrville Green Team

Jeanne Gault
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330-684-5000

Local Roots Market & Cafe

info@localrootswooster.com
www.localrootswooster.com
330-263-5336
140 S. Walnut Street
Wooster, OH 44691

Holmes Co. Sustainability Network

Mark Tillack
mrbackwoods@juno.co

Tuscarawas Co. Sustainability Network

Amanda Comstock
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Global Green Club of Wayne College

Carol Pleus
cjpleus@uakron.edu

Seeking Greener Solutions

Dr. Bob Ross
rossongco@aol.com

Habitat for Humanity & Restore

1451 Spruce St. Ext. Wooster, Ohio
The WCSen Solar Power Station is busy on-site in Wooster on Highland Ave!
www.waynehabitat.org

Networking for Change

www.wcsen.org

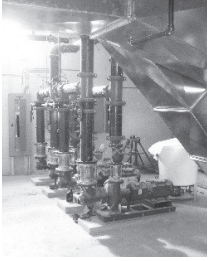
Please post this page, then recycle!

Ohio Solar Tour

October 3 & 4, 2009

Now is your chance to tour renewable energy powered and energy efficient homes and buildings across the state. Below is a list of sites throughout Wayne & Holmes Counties. For more tour information, visit www.greenenergyohio.org for a full listing of sites.

Orrville Schools Sat. 9-12



Middle School Geothermal Sat. 9-12
801 Mineral Springs, Orrville • From Main St. take W. High St. to N. Ella St., continue north, turn west onto Mineral Springs. • Tour a large-scale geothermal heating & cooling system. Please enter on the NW side of the school adjacent to the cafeteria.

High School Photovoltaics Sat. 9-12
841 Ninth Ella Street, Orrville • From Main St. take W. High St. to N. Ella St. • To observe a 1kw solar panel in the Orrville High School courtyard, please enter at the SW doors and follow the signs. This installation

demonstrates an innovative way to promote environmental awareness to students. Visit www.rockguy.com.

Maryalice Roush Residence Sat. 9-4



333 Wabash Ave., Orrville • From Rt. 57 (Main St.) take West Market to Wabash Ave., first st. left after passing traffic light. Coming from west (Crown Hill Rd.) take W. Mkt. to 2nd st. to right, Wabash Ave. Jog east to continue on Wabash. 333 is next to last house, west side. • Straw bale construction provides insulation against winter cold and summer heat. The south wall is largely windows - 3 pane construction catching winter sun and shaded in summer. Radiant floor heat. Roof

water is directed to garden, not to storm sewer.

Mike & Michelle Powers Residence Sat. 9-4

9262 Mt. Eaton Rd., Marshallville • From the North - Take 77 south to SR21 south to SR585 south SR94 (Mt. Eaton Rd.) south. House is on the right just before entering Marshallville. From the South - Take SR21 north to Marshallville Rd. Turn left. Follow Marshallville Rd. to the town of Marshallville. Turn right on SR94 (Main St. in town, Mt. Eaton Rd. just outside of town). Look for the blue roof! • Energy efficient design in a two-story colonial- pictured on the cover of March '09 GEO News. Passive solar design provides heat and day lighting while integrating with the highly insulated building envelope and active heating system. A grid-tied 3.26 kW PV array blends in with the standing seam roof while four solar thermal panels provide shading and heat for domestic hot water and radiant floor heating system.



Four Winds Farm • Brian & Heidi Rennecker Sat. 9-12



5697 Honeytown Rd., Smithville • From Rt. 30 or Rt. 585 east of Wooster take Honeytown Rd. to Prospect Rd. From north take Rt. 585 to Prospect St. in Smithville to Honeytown. NE corner of Honeytown and Prospect west of Smithville. • A grid-tied 2.4 Wind turbine and 1.1kW solar photovoltaic (PV) system power farm milking equipment, machinery, and lights.

Frederick Michel Residence Sat. 9-4 Sun. 9-12



1031 Douglas Dr., Wooster • From North take I-71, exit south onto OH83 to Wooster. In Wooster go west on Milltown, South on Oak Hill Road, West on Hamilton and right onto Douglas Dr. From South, East or West get off US 30 on the Wooster Columbus Rd./OH 3 exit, go North to Liberty St., West to Mechanicsburg Rd., North up Oak Hill Rd., West on Hamilton and right onto Douglas Dr. • This home features 18 SunPower SPR-225 photovoltaic solar panels, a Sun Power 4000m inverter that provides 4.1 kW of

Michel residence continued...

electricity. The system is grid tied and net metered generating about 60% of the electricity for the home. It has a SSW orientation and 40 degrees of roof slope that are ideal for solar PV in Ohio. It also has passive solar features, mostly south facing windows and overhangs that shade the windows in summer. Energystar rated appliances and fluorescent lights reduce energy use. The family uses energy efficient mowing and transportation methods and they are experimenting with an anaerobic digester (converting food scraps and organic waste to biogas) for summer grilling!

Jeff & Kathy Bielek Residence Sat. 9-4 Sun. 9-4



1130 Kimber Rd., Wooster • South on OH83 from Wooster go 4 miles to Kimber Rd. Turn west onto Kimber Rd. Go 0.8 miles to site on left. • Energy conservation is the key focus here: 2x6, 24" oc construction with R-21 fiberglass +1" (R-5) Blueboard insulation on walls; R-50 blown-in cellulose insulation in ceiling; insulated headers; Airtight Drywall Approach used; upgraded heat pump; passive solar design. Green building & healthy home features: natural materials (brick exterior, bamboo & tile floors); I-joists instead of 2x12' floor joists; detached garage, covered walkway; exhaust fans controlled by humidistats; low VOC paint.

Leonard & Janet Nussbaum Sat. 9-4 Sun. 1-4

5290 Kister Rd., Shreve • Route 3, about 6 miles south of Wooster, farm is on southeast corner of Kister Rd. and Rt. 3 • A grid-tied 3.7 Skystream wind turbine on a 45 foot monopole powers house lights, refrigeration and appliances. It also powers farm milking operation and other equipment. Turbine blades have a 12 ft. span.



Get great ideas for your home!

Drive-by only site

6271 CR 407, Millersburg, •

On your tour, drive by this address to see Ed Miller's solar installation .

Suncrest Solar • Reuben & Jonathan Miller Sat. 8-1



5044 C.R. 120 • One mile south of Berlin (P.O. address is Millersburg) From Rt. 39 east or west go south at Main St. light (church on one corner) to Suncrest Solar (also Berlin Furniture.) • A 200 Watt Kyocera PV system and a 400 Watt Air-x wind turbine powers lights and appliances. Store sells solar panels, inverters, batteries, lightbulbs and floorlamps for DC power. Jonathan Miller also does solar installations.

Mark Tillack Residence Sun. 1-4

15211 Twp. Rd. 12, Brinkhaven • southwest Holmes County just off Rt. 62. Call Mark for further directions 330-377-4387 For a detailed map email him at mrbacwoods@juno.com. • "Upscale Rustic" photovoltaic off-grid house featuring day lighting, passive heating, earth-berming, tankless hot water heating, liquid separating toilet, grey water system, & recycled building materials.

