

Michigan Sustainable Homes & Businesses Tour

Part of the ASES National Solar Tour

October 10, 2009

10 am - 4 pm

The solar tour is **free** and **self-guided**. Visit as many sites as you would like from 10am to 4pm, in any order that you would like.

Enjoy the good energy, and have fun!



Detroit Metro Area Tour

Detroit Electrical Industry Training Center

2277 E 11 Mile Road, Suite 1, Warren



The Electrical Industry Training Center is jointly funded and operated by the International Brotherhood of Electrical Workers, Local 58, and the Southeastern Michigan Chapter of the National Electrical Contractors Association. We have been in partnership since 1926, offering comprehensive apprentice and journeyman training in all aspects of electrical installation, including photovoltaics and wind. Our facility features photovoltaics and wind installations which showcase new technologies and traditional installation skills.

DIRECTIONS: Take I-696 to Exit 20 (Dequindre Rd). When you exit, stay straight and merge onto 11 Mile Road heading East. Follow 11 Mile Road to Ryan Road. Make a Left on Ryan Road. Go over the highway and make a left onto 11 Mile Road heading West. After you pass David Givens Street, the road splits. Stay to the right to stay on 11 Mile Road. Turn right into the drive for 2277 11 Mile Road. If you get to Parkview Blvd, you've gone too far.

Lang Farm
10261 Steffas Rd Maybee MI



The wind project on James Lang's farm in Maybee, Michigan is a private owner operation, off the grid. Currently the electrical system allows for the disconnect from the grid for solo/self generation. The wind generator sets atop a 40 foot tower and is capable of producing 5kW. In demonstrations ran last fall, 2007, the farm was able to reduce it dependence of commercial electrical use by 35%. This project was built at a cost of under \$8,000, and shows a potential of payoff in less than 7 years.

Driving directions

From Ann Arbor

US 23 to Milan, south on main street to Milan-Oakville road (county line) east to three way stop sign, continue straight, do not bear left. Road turns into South Stony Creek, continue on about 6 miles, when you cross the railroad track, turn south on Steffas Road. Windmill is ¼ mile on right.

From the North

I 275 to Telegraph exit, turn north on Telegraph about ¼ mile and turn west on Lobo Road. Lobo ends at Exeter Road, turn south until stop sign, South Stony Creek Road. West on South Stony Creek Road till Steffas, about 2 miles, turn left (south) on Steffas, about ¼ mile. If you come to railroad tracks you have gone too far.

**Mechanical Energy Systems
8130 N. Canton Center Rd., Canton**



Visit our Demonstration Center and see a variety of working solar applications that can be retrofitted to existing homes and businesses. See how we light our office with Solatubes, heat our water with a Solar Boiler and power our computers and phones with Wind and Photovoltaic systems. Check out our Solar Wall and Solar Hot Air Panels used to assist the heating of our building during the winter months. Also, learn about the advantages of Solar Attic Fans and Solar Pool Heating systems. We offer high efficiency heating and cooling equipment to promote energy conservation, as well. Let us share our 22 years of Solar expertise as you walk through our building and discover how you can become an energy advocate, and control your future energy needs!

Directions:

8130 Canton Center Rd., Canton, MI 48187

<http://www.by-solar.com/directions.html>

Strategic Energy Solutions

4000 West Eleven Mile Road Berkley MI 48072



9,200 square foot office space. Project submitted to the USGBC for enough points to achieve LEED Gold certification. Sustainable features include: recycled material content, geothermal heating and cooling, daylight harvesting, community connectivity, bicycle storage and shower/changing area and water use reduction via low flow and waterless fixtures.

Directions:

The offices of Strategic Energy Solutions, Inc. is located on Eleven Mile Road in Berkley, north-east of the intersection at 11 mile road & Greenfield

**Troy Community Center
3179 Livernois Rd, Troy, MI**



The ALOeTERRA home was Lawrence Tech's entry into the 2007 Solar Decathlon in Washington, D.C. The home was then purchased by the Troy Chamber of Commerce and is now located at the Troy Community Center as a demonstration on sustainable building design.

Construction of the home utilized green building techniques and technology that is available to the public to showcase sustainable construction. The home utilizes a solar hot water design to generate hot water for use and to help heat the home. Electricity for the home is generated by PV panels. The home also utilizes a battery system to store the energy created by the PV panels. This energy can then be utilized in the evenings, or on days when there is little sunlight.

Directions:

I-75 to exit #69 (Big Beaver Road) east. Turn right and continue east (.5 miles) past Livernois. Take first turn-

around to go west on Big Beaver and turn right (north) on Livernois. The Community Center is on the left (west) side of Livernois .2 miles north of Big Beaver.

Great Lakes Renewable Energy Association

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