

Kalamazoo American Chemical Society Science Café
KVCC Student Commons Theater
6:00-8:00 pm, Thursday, April 28, 2011

A program entitled Wind and Solar Energy in Michigan was presented as follows:

- 6:00 pm - Social Time with Refreshments
- 6:30 pm - Solar Energy in Michigan - Lloyd LeZotte, Four Elements Energy
- 7:00 pm - Small Wind Energy in Michigan - Art Toy, Four Elements Energy
- 7:30 pm - "How we designed and built a 3kw wind turbine in 15 weeks, twice, Revealed!" - Howard Carpenter, Charlie Fuller, Rick Garthe, Erick Martin, Bill Wangler - KVCC Wind Technology Program

The event, to celebrate the second quarter IYC 2011 – Energy theme, was attended by 26 adults and 6 school children. Speakers LeZotte and Toy presented general aspects of practical solar and wind power units before giving illustrated examples of recent installations in nearby Michigan communities. Their business focuses primarily on residential systems. They pointed out the complementary seasonal energy availability solar and wind energy. Many of their installations are designed to provide back up power during outages. The KVCC presentation described a one semester design-and-build course that was offered twice since 2009. One of the class projects remains standing and operational on the Texas Township premises. The second class turbine was completed but not fully installed. A 22-minute video that documents the second effort is available in five episodes on www.youtube.com (search on “MACH 282 Episode”).

Complimentary finger snacks and soda were provided. The KVCC venue was an easy and comfortable venue for this kind of presentation. Audience seating was around small café-style tables that encouraged informal discussion and questions.