



ENERGYWORKSMICHIGAN

March 2011 Newsletter

DEADLINE APPROACHING: Green Leaders Scholarship



Energy Works will award seven \$1,000 college scholarships to graduating high school seniors in Michigan with plans to attend college and pursue green and sustainable careers.

Submit Applications by April 13, 2011!

[Click here for more details!](#)

Calumet High School in U.P. Awarded \$5,000 Matching Grant for Energy Efficiency Improvements

Energy Works awarded **Calumet High School** a \$5,000 matching grant for their efforts to improve the energy efficiency of their building. The school is participating in the [Energy Efficiency Program](#), which provides technical assistance to K-12 schools in Michigan to develop a detailed plan for energy efficiency upgrades to their building.

Superintendent, Darryl Pierce, shared plans for anticipated investments in energy efficiency improvements to reduce costs at the school. He also mentioned that a wind turbine will be donated by the local 41 Lumber outlets to install at the school.

To date, [39 schools statewide](#) are participating in the Energy Efficiency Program. Energy Works has awarded a total of **\$90,000** to 18 of those schools.

[Read more...](#)

Solar PV tracker installed at West Bloomfield High School!

West Bloomfield High School is participating in the [Renewable Energy Program](#) offered by Energy Works. The school received a 3.2 kW solar

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Partner K-12 Schools



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If your school is interested in pursuing energy efficiency or renewable energy, please submit a [Waitlist Application](#).

photovoltaic (PV) tracker, the largest of its kind in Metro Detroit. The installation was completed on January 6, 2011.

To date, [28 schools statewide](#) are participating in the Renewable Energy Program.

Learn more on their Facebook page:

[West Bloomfield Initiative for Renewable Energy at WBHS](#)

[Read more...](#)



Joshua Barclay, Physics Teacher, talks about the importance of Renewable Energy. Copyright 2011 Detroit Free Press

Greening Michigan Classrooms Grant Project Spotlight



Chassell Township School in Chassell, MI is going green in more ways than one! The first project is a recycling program for a Service Learning class. They are also creating craft kits for the elementary students that use recycled materials. The Domestic Arts class will be accepting surplus garden vegetables donated from the

community to make salsa and other canned items. Throughout the year they will also be growing herbs for the cooks to use in the school cafeteria and for the class to cook meals for the teachers.

www.Facebook.com/EnergyWorksMichigan

[See list of grant winners](#)

FREE Energy Lesson Plans!

Energy Works has developed lesson plans on Energy Efficiency, Solar Photovoltaics, and Wind Energy to help teachers make energy efficiency and renewable energy an integral part of their classrooms.

[Download Lesson Plans!](#)



See Live Energy Data!

Data from solar PV and wind systems installed at K-12 schools in Michigan can be viewed on the [PowerDash website](#). Custom graphing options make this a great tool for teachers to incorporate into classroom learning!

Summer Opportunity for High School Students!

Do you want to make a difference in your community? Become an expert on water resources in the Great Lakes? Gain research, critical thinking and problem solving skills?

Apply for the **Youth Policy Summit** in Michigan during July & August 2011!

[Learn more...](#)



Nuclear Energy: Fact Check

How much does the United States use?

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The recent nuclear reactor crisis in Japan has led to more discussion about nuclear energy in the U.S.

U.S. officials state that *"We get 20 percent of our energy right now in the United States from nuclear power."*

20.7% of total U.S. *electricity consumption* is attributed to nuclear power. However, due to energy losses from generating the energy, and transmission to deliver the electricity to the place of use, **nuclear power is responsible for 8.6% of total U.S. energy consumption.**

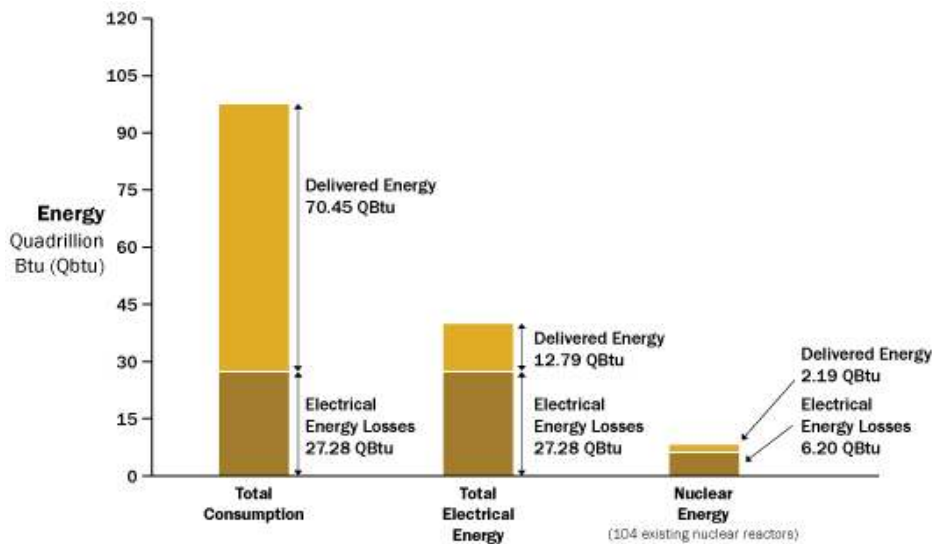
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More to Know About U.S. Nuclear Energy:

- Michigan has 3 operating nuclear reactors.
- There are 104 nuclear reactors currently operating in the U.S. (Source: NEI) [1]
- Of the 104 nuclear reactors in the U.S., 4.8% are older than 40 years, 38.5% are older than 35 years, and over half are older than 30 years. (Source: Architecture 2030 & EIA, Table 3) [7]

[Learn more...](#)



2010 U.S. Energy Consumption

Source: EIA / Architecture 2030

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Thank you for your interest in the Michigan Renewable Schools Program!

Sincerely,



Emile Lauzzana, Executive Director

Sustainable - Equitable - Prosperous - Future



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