

WATTWORKS

Energy Efficiency Newsletter

July 2009

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Upcoming Green Events

**Thursday, July 9th,
7:30-9:30am**

Central Ohio Clean Energy
Network Meeting
[Click here](#) for details.

**Friday, July 10th,
10-11:30am**

MORPC Center for Energy
& Environment
Educational Series -
Central Ohio Green Pact:

Summer is officially here and with it comes endless hours of sunlight. In this month's newsletter, Watt Works President, Don Hall, discusses the many ways we can use the energy from the sun to help us lower our energy bills and lessen our dependence on fossil fuels. As you will see, photovoltaic panels are not the only way to harness the energy from the sun.

For when the sun finally goes down, to help you make the most of your warm summer nights we are offering a coupon for our LED flashlights and camp lights (see the bottom of this newsletter). LEDs are brighter, last longer and use less energy - meaning few batteries! Stop by the Watt Works store and check out our large selection. We even carry LED replacements for Maglite bulbs.

And finally, I am proud to announce - back by popular demand - the Watt Works **Free Energy Savings Seminars!** See below for dates and topics.

[Solar Isn't Just for Power \(Anymore?\)](#)

By Don Hall, President of Watt Works

When you think about it, the sun has really always been best at providing light and heat to the earth, and our attempts to make electricity from the sun's rays are a recent invention. Creating solar-generated hot water, sun-warmed air, or sunlight for interior lighting are still some of the most efficient and effective uses of solar "power", and yet they are often overshadowed in the news by the more glamorous technology that produces electricity from sunlight. But whether you use the light or the electricity, the sun never sends you a bill.

So how do we best use the sun's warmth and light in our homes and businesses to offset our utility costs and prevent burning fossil fuels? If you are fortunate enough to be working on the design of a new home or building, or are contemplating remodeling what you have, you can take advantage of the sun by the way you arrange your windows, by adding heat-rejecting skylights, or by careful placement of overhangs and thermal mass. Most of us are not designing for construction right now, so we have to



Progress. For more info, go to www.morpc.org.

Friday, September 4th, 10-11:30am

MORPC Center for Energy & Environment Educational Series - Nurturing a Culture of Sustainability. For more info, go to www.morpc.org.

Monday, September 7th 11am - 6pm

Ohio Green Living Fayre Zanesville, OH. For more info, go to www.ohiogreenliving.org

Tuesday, October 6th

MORPC Summit on Sustainability. For more info, go to www.morpc.org.

Friday, November 6th, 10-11:30am

MORPC Center for Energy & Environment Educational Series - Central Ohio Green Pact, Objective 4: Adopting Sustainable Land Use Policies. For more info, go to www.morpc.org.

Energy Efficient Products from Watt Works

[LED Lighting](#)

[Home Power Cost Monitor](#)

find less disruptive ways to exploit the sun.

Daylighting is the use of the sun for interior lighting. Windows are the classic source of daylight, but windows have some serious limitations, such as requiring an outside wall, leaking huge amounts of heat to the outdoors, letting the neighbors see in, and not providing much light at night. Mirrored tube systems are now available to bring sunlight from the roof down into a room without taking up wall space, and without creating any heat losses or reducing security. Some tubes are also available with shutters to dim the sunlight during daytime, or have built-in electric lighting to provide reliable light even at night from the same fixture. Skylights are available that include mirrors that track the sun to provide longer periods of lighting for warehouse or retail spaces, and skylights with translucent insulation are made that eliminate excess heat losses and gains when needed. There are ways to incorporate the free light from the sun for most every use.



Solar hot water generation is a common "Solar Power" application. Many systems such as the Apricus evacuated tube system or flat-plate heat collectors are available. For traditional domestic hot water use in a home, the sun is used to heat the tank full of water for use throughout the day, and a backup electric or gas heater is used to prevent running out on dreary days or worst case usage. Many other effective uses for solar-generated hot water are in daily use: comfort heating using radiant hydronic systems, preheating large boiler makeup water, warming a swimming pool or hot-tub, supplying summer reheat water for school and office HVAC systems, heating hotel and hospital laundry water, feeding snowmelting systems, heating warehouses and factories, regenerating dessicant cooling systems, and even feeding absorption cooling systems.

Watt Works can design, provide and install effective, efficient and economical daylighting, solar heating or solar power solutions for your home or business, and they may or may not include making power from the sun!!

➔ Free Energy Savings Seminars Are Back!

Please join us for these upcoming **FREE Energy Savings Seminars**. Each topic is presented Friday at 6:00pm and repeated Saturday at 3:00pm at the Watt Works store in Grandview. For address and contact info, [click here](#).

Friday, July 17th, 2009 at 6pm and Saturday, July 18th, 2009 at 3pm

"Solar Technology and Its Application Today"

Find out how the sun can provide power, heat and even cooling,

[Kill A Watt](#)

[Lexin Heating Panels](#)

[Geothermal HVAC Systems](#)

Watt Works is proud to be a Lighting Facts LED Product Partner and to sell Energy Star products.



yet never send you a bill. We will cover the issues, the costs and the tremendous benefits of solar energy in its many forms. Hands-on examples of several systems will be available to see up close.

**Friday, July 24th, 2009 at 6pm and
Saturday, July 25th, 2009 at 3pm**

"Energy Analysis and How It Saves You Money"

We will introduce how to do your own home energy analysis, and when to hire a pro. Learn what your utility bills are telling you. Discover effective ways to save energy and money in your home or business. Do-it-yourself forms will be provided.

**Friday, July 31st, 2009 at 6pm and
Saturday, August 1st, 2009 at 3pm**

"LED Lighting for your Home and Business"

Learn about light emitting diodes (LEDs) and why they're superior to incandescent and fluorescent lighting. Many improvements in recent years has made LED a realistic alternative for both home and business use. See all the different shapes and sizes available and learn how LED lighting can save you money on energy, replacement and maintenance costs.

Bring your questions and curiosity, all materials will be provided. Come see the latest energy-saving products and leave with ideas you can implement to save energy at home and work. The classes are appropriate for homeowners, businesses, architects and design professionals, students and anyone interested in alternative energy and/or living more efficiently.

(RSVP appreciated, but not required. To RSVP, call Watt Works at 614-458-1162 or email green@wattworks.com)

More information regarding the products mentioned in this newsletter can be found on our website at www.wattworks.com. Products can be purchased online, by phone at 614-458-1162 or in our Columbus store.

20% OFF

All LED Flashlights and Camp Lights

**In-store only.
Offer Expires: 7/31/09**

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