

# Michigan Energy Report ©

**CBS SOLAR**

**SPRING/SUMMER 2016**

## CBS Solar manufacturing facility going to net-zero



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CBS Solar is manufacturing solar panels in Michigan with Michigan sunshine!

Our goals and efforts as a Renewable Energy Company are to produce as much power on site as we use in the process of manufacturing our solar systems. We have installed a 20 kilowatt array and are currently updating our internal electrical systems.

*\*More details will be included in our next newsletter.\**

## FEATURED CUSTOMER



Our featured customer is Endura Performance Homes and the East Bay, Traverse City project. Ryan McCoon, president of Endura Performance Homes, believes that every project is “an opportunity to offer quality construction matched with environmental responsibility.” Some of the unique features of this home include: Inverter Driven Air to Air Heat Pump heating/cooling system, Air-to-Water Heat Pump Hot Water system, Low Energy Lighting, and an Energy Recovery Ventilator. The energy bills for this home are estimated at \$1158.00 for the entire year, including heating, cooling, domestic hot water, lighting, and electrical loads. CBS Solar has recently completed the solar installation on this project. This home will be featured in the August 2016 edition of TRAVERSE MAGAZINE and will participate in the Northern Michigan Home & Cottage Tour on September 17, 2016 <http://mynorth.com/>. [www.endurahomes.com](http://www.endurahomes.com)



U.S. Solar employment grew 12 X faster than overall job creation in 2015. 24 Million New Jobs in Clean Energy are projected by 2030



Our newsletter subscription has grown and we are now sending newsletters to almost 4,000 individuals! Pass this newsletter along to someone who may enjoy it or have them subscribe at [www.cbssolar.com](http://www.cbssolar.com)

**Happy  
Summer Solstice  
June 20, 2016**



## MICHIGAN RENEWABLE ENERGY FAIR

*Stop by Booth 209 and visit with  
CBS Solar at the fair!*

### **2016 MICHIGAN ENERGY FAIR JUNE 24-25**

#### **Three Great Shows - One Great Venue**

*GLREA Welcomes the Great Lakes Emergency Preparedness Expo (GLEPE) and the Sustainable Living Summit to the 2016 Fair at the Ingham County Fairgrounds in Mason Michigan.*

For more information: <http://www.2glrea.org/energyfair>

#### **Clean Vehicle Ride-and-Drive with host Greater Lansing Area Clean Cities Coalition**

Here is your opportunity to test drive a variety of clean cars and trucks. Vehicle types include; plug-in electric, plug-in hybrid electric, propane, compressed natural gas, and hydraulic Hybrids. The test drive is FREE with admission to the Michigan Energy Fair.



#### **From the Desk of the President**

I just received my electric bill today; it was a \$30.47 Credit! I was wondering about all the folks we e-mail our newsletter to and what they were charged this month. We talk to many people each week and many have not yet purchased solar, but want to in the future. The Michigan Senate is trying real hard to eliminate that opportunity for every business and homeowner. Senate Bills 437-438 are "essentially wish lists" from the utility companies. The bills are not fair and in fact downright unconstitutional. So I ask every reader to "get the scope", read the bills, and let your senators know how you feel. Thank you.

Allan B. O'Shea

\*Update 6/14/16: The Senate has adjourned for summer break **without** bringing this bill to the floor for a vote. Please keep talking to your local senators.

Below is a link that you can copy into your browser to view the bill.  
<http://legislature.mi.gov/doc.aspx?2015-SB-0438>

Here is a link to locate the contact information for your Senator:  
<http://www.senate.michigan.gov/fysbyaddress.html>

## Michigan Solar Users Network (MiSUN)

Michigan Solar Users Network (MiSUN) is an informal group of solar users and owners that have formed to share information and support the development of solar energy in Michigan. MiSUN is supported by the Great Lakes Renewable Energy Association established in 1991 to further the development of renewable energy in Michigan.

Solar energy includes photovoltaic (PV), solar pool heating, solar space heating, and solar hot water systems. Passive solar design, solar cookers, and solar lighting are also solar energy. There are thousands of solar energy users and owners in Michigan and that number will continue to grow as the cost of solar decreases. MiSUN has a Face book page; go to: <https://www.facebook.com/groups/MiSolarUsers/> and "like" the page or click on the link! Interested in learning more about the many applications of solar energy and sharing what you know from your own experiences? You should join MiSUN.



Contact info: [glrea.info@gmail.com](mailto:glrea.info@gmail.com) , PO Box 534, Rockford MI 49341

Phone: 616.813.2384

### FLYING ON SUN POWER

Solar Impulse 2, a solar-powered airplane that uses no fuel, is making a nearly 22,000-mile, round-the-world voyage. After previous flights from San Francisco to Phoenix, Phoenix to Tulsa, and Tulsa to Dayton, the plane will fly to Allentown, Pa., on May 25. It will make its final U.S. landing in New York City.



## WINDOW NEWS

**Maximize your energy efficiency with Vinylmax replacement and new construction window and door products from CBS. Vinylmax products are designed to meet the needs of quality-mined, energy conscious consumers. Our windows meet Energy Star 6.0 standards as set forth by the US Department of Energy. Our top products meet a .18 U-value, and a .27 SHGC, well above the standards set by the DOE.**

**We offer a lifetime warranty on all products and will strive to meet the highest standards. We have two Master Window Technicians on staff, and ready to assist you.**

**Our Seven day lead time is the fastest in the Industry. Call or Email your measurements and we will give you a free quote.**  
**[tyson@cbssolar.com](mailto:tyson@cbssolar.com)**



**3.72 KW Adjustable Ground Mount Solar Array at the home of Craig and Vicki Olsen**

With this system and 5 panels in the Solar Garden at Cherryland Electric Cooperative, they produced all of their electric needs from solar during the month of April.

In March 2016, Vicki joined the CBS Team as our Solar Assessment Coordinator.





CBS has been serving the solar industry since 1995!

Proud member of the GLREA. [www.glrea.org](http://www.glrea.org)

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## SOLAR ENERGY BLAST FROM THE PAST

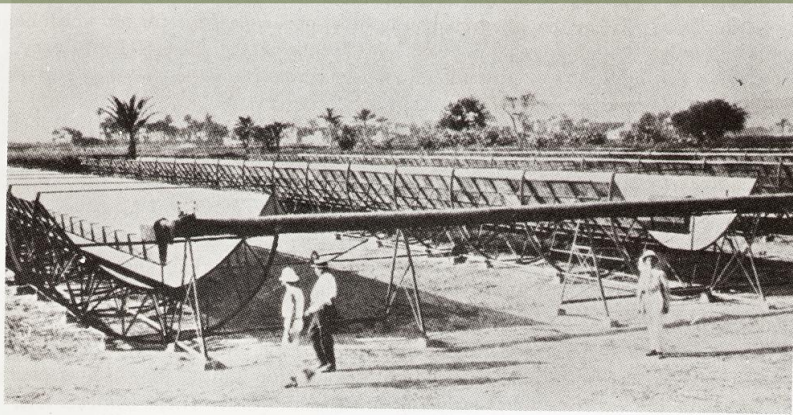
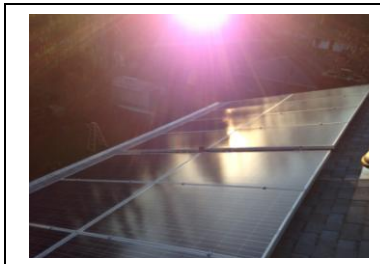


Fig. 1.8 A view from the south of the Shuman-Boys solar collector system constructed at Meadi, Egypt, in 1913.

## FEATURED DEALER

Our featured dealer is **Peninsula Solar**, Marquette, MI. Ian Olmsted and his team of environmentally conscious individuals are having a big impact as they provide sustainable energy to Michigan. They have completed many solar jobs, including the Leelanau Conservancy project pictured below. Peninsula Solar is currently working on a community solar project in Marquette, MI.



<http://www.peninsula-solar.com/>

## Solar Power at Iron Fish Distillery

CBS Solar completed a 5.4 kW Ground Mount Solar Installation for Iron Fish Distillery during the winter of 2015. This is Michigan's first dedicated full line distillery on a working farm.

Iron Fish, located in Thompsonville, will be opening the Tasting Room in July 2016.



<http://ironfishdistillery.com/>