

Michigan Energy Report ©

CBS SOLAR

WINTER 2017

CBS SOLAR INVITES YOU TO AN INFORMATIONAL TRAINING



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Michigan Sun Powers Michigan Beer!
www.renovo-energy.com

Are you interested in purchasing solar, but need more information? Then this training is for YOU. On Tuesday March 7th, 2017 the CBS Solar team will be presenting a day of training at our Copemish Office. Should you choose a Grid-Tied System or do you want to be Off-Grid? Do you need assistance for a Do It Yourself project? Learn what type of system will best meet your needs. How large of a system do you need for your home or small business? We will also discuss racking and inverter options, building and electrical permits, interconnection, battery storage, system monitoring, and more. A tour of our manufacturing facility will be included. This training opportunity is **FREE** for homeowners and small business owners who are interested in purchasing solar.

Training will be from 9:00 AM to 2:30 PM with Lunch provided. Check in and Coffee starts at 8:30 AM.

Pre-registration is required. Seating is limited. Contact vicki@cbsolar.com to RSVP and for more info.

30% Residential Renewable Energy Tax Credits 2017 -2019

A taxpayer may claim a credit of **30%** of qualified expenditures for a solar system that is installed at your home. Expenditures include material and labor costs, as well as labor for on-site preparations. For more details talk to your accountant and visit: <https://energy.gov/savings/residential-renewable-energy-tax-credit>

* For Solar systems placed in service during **2020**, the tax credit will be **26%**.

* For solar systems placed in service during **2021**, the tax credit will be **22%**.

* For solar systems placed in service during **2022** or later the tax credit will be **10%**.

CHERRYLAND ELECTRIC COOPERTIVE SOLAR PROGRAMS

Cherryland Electric Coop has 3 Solar Options for members

1. **Net Metering:** When you have a solar installation at your home, your excess generation will be sent out to the grid. You will receive a monthly credit (\$0.56 per kWh) on your electric bill to offset the energy that you are consuming from the grid.
2. **Sell-All:** You can install a solar system on your property and Cherryland Electric will buy 100% of the energy you create at \$0.10 per kWh (20 year agreement).
3. **Community Solar:** You can buy shares in the SpartanSolar Community Array. Shares are \$600 per panel (or \$10 per month for 5 years). You will receive a credit of \$0.10 per kWh of generation. This is a 15 year agreement.

If you are a **Cherryland Electric Coop** member, explore your options at <https://cherrylandelectric.coop/clean-energy/>

Or call 231-486-9200

Great Lakes Energy will be offering these options to their members as well. Please contact Gus Paz at 231-487-1308 for more details.

CBS Solar will work with your Electric Company to submit your Interconnection application as part of the solar installation process.



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BUSINESS COUNCIL



www.cbssolar.com



CBS Solar is currently installing our first Sell-All Project in Northern MI

If you seasonally adjust your solar, March 5th is the time to adjust to the Spring angle. Change to a Summer angle after April 20.

From the Desk of the President

We hear so much talk of job creation, not only in Michigan but Nationally. Our Company, CBS Solar is proud and excited to be in one of the fastest growing industries in Michigan and the USA. The Michigan Solar industry work force grew 48% in 2016 as companies created 1339 solar related jobs. 2017 looks like it will be another great year for our industry. With increased solar sales and declining material costs, we anticipate the result in the next few years. Much of the credit goes to you, the solar customer.

Allan B. O'Shea

HAPPY ST. PATRICK'S DAY



ADVANTAGES OF MICROINVERTER TECHNOLOGY



The # 1 advantage of micro-inverters is the module-level energy conversion. Whereas, shadows, snow cover, or debris can reduce output across an entire string; each micro inverter performs independently for maximum production. The next advantage is that micro-inverters are extremely safe. When an AC circuit goes down, each unit in the solar array will perform module level rapid shutdown. With a micro-inverter array, there is no high-voltage DC running across the roof top. This provides protection for homeowners or emergency responders, and others who may need to be on the roof. Another advantage for micro-inverters is low-light performance. Micro-inverters can start producing energy earlier in the day and longer into the evening than string systems. Micro inverters also offer flexibility of sizing. If you decide to increase the size of your system, a few more panels and a few more micros are a simple solution.

Call CBS Solar today to discuss your inverter options.

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.

To join, contact John Sarvar at johnsarver3@gmail.com

"Like" MiSUN on Face book : <https://www.facebook.com/groups/MiSolarUsers/>



WINDOW NEWS

Happy 2017! We are very excited and enthusiastic about what this year will bring. To kick off early Spring, we are offering free Intelliglass Low-E, on any Edison Double Hung or 2 Lite Slider, on all orders placed between now and March 17th. Then from April 17th through May 26th, we are offering free Georgian/contour grid on the Edison as well. NOW is the time to replace those drafty old windows. Vinylmax windows have a full lifetime warranty, so replace your windows only once. Check out our full product line at <http://www.vinylmax.com/>

Call or email today with your window measurements and we will give a quote the same day.

tyson@cbssolar.com

231-378-2936

Ground Mount System with Dual Micro Inverters



5 Kilowatt Ground Mount Solar Installation in Hamburg, MI



CBS has been serving the solar industry since 1995!

Proud member of the Great Lakes Renewable Energy Association
And
Michigan Energy Innovation Business Council

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- Devon O'Shea- Mechanical Technical Engineer
- Tyson O'Shea- V.P. of Operations
- Aaron O'Shea- Project Coordinator
- Lynda O'Shea- Office Manager

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- Josh Garlinghouse- Production/Installation
- Ken Gorney- Northwest Lower Michigan Sales Coordinator
Call: 231-675-7704
- Bob Matigian- Southeast Lower Michigan Sales Coordinator
Call: 734-276-4284

Saltwater Battery Technology

Aquion Energy has manufactured the 1st non-toxic battery for clean energy storage; the only batteries in the world that are Cradle to Cradle Certified. CBS Solar now has an Aquion Battery on display in our show room. Contact Devon to discuss your battery storage needs: devon@cbssolar.com 231-378-2936

The Electric Cars Then and Now



Thomas Edison with an Electric Car in 1891

1900 Ford Model T



Chevy Volt



Tesla



AND



PARTNER TO BRING THE 17TH ANNUAL MICHIGAN ENERGY FAIR TO TRAVERSE CITY.

MARK YOUR CALENDAR and SAVE THE DATE

FRIDAY AND SATURDAY
JUNE 23 & 24

NORTHWEST MICHIGAN COLLEGE AERO PARK CAMPUS