



## CASE STUDY: Sustainable Marshfield

### PROJECT SUMMARY:

We are members of the Marshfield Area Chamber of Commerce & Industry 2020 Leadership Marshfield class. Each year, members of Leadership Marshfield are tasked with creating a project that will benefit the community of Marshfield. Our group project is "Sustainable Marshfield." We will be installing a solar panel array at the Marshfield School District School Forest, along with an interactive educational display. To do so, we are actively working with the Marshfield High School and Mid-State Technical College students to develop an interactive and educational component to this display. The purpose of placing a solar panel array at the School Forest is to educate students on renewable energy as well as offset utility costs for the non-profit school district. This installation will be on display in an area used multiple times by students PK- 12 while in school.

MACCI reached out to Photovoltaic Systems, LLC in January 2020 inquiring about the project. Photovoltaic Systems, LLC subsequently conducted a site assessment, provided cost estimates, designed the system, and is set to also eventually install the final 7.4 kW system in the 320-acre Marshfield School Forest. This forest includes a multi-use facility and allows the community as well as the school district to interact with the environment. The school district has already worked hard to make many improvements including roads, ponds, fire protection, benches, facility upgrades, ski and walking trails, and more. Bringing a working solar array will allow both students and the community an opportunity to interact with the project display, learning about renewable energy through hands-on exercises. This would also allow the school forest building utility costs to be supplemented by the solar array.



■ ■ *Installing a working solar array will allow both students and the community in Marshfield an opportunity to interact with the project display, learning about renewable energy through hands-on exercises.* ■ ■

— **Members of Leadership Marshfield**

### KEY PROJECT PARTNERS:



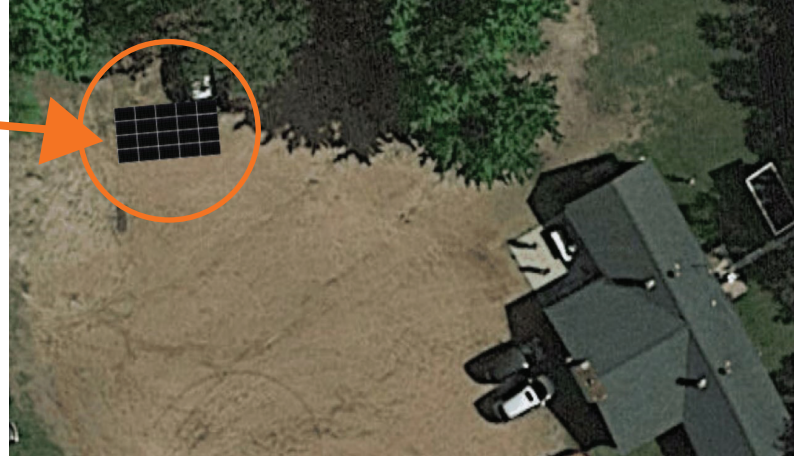
## YOUR SUPPORT WILL HELP PUT SOLAR HERE!

To fund this project, the school has received grants from MREA's Solar on Schools Program, Focus on Energy and many individual donations. It will also be partially funded by in-kind donations of labor to install the solar panels. Sustainable Marshfield is in need of funds for this project.

**We are asking community members and businesses to consider a monetary donation to help reach our fundraising goal of \$25,000.**

Donations of any amount are greatly appreciated and would be used directly for the costs of materials, installation of the solar panel array, and installation of an educational display.

All donors will be recognized, with names of sponsors making donations over \$250 being displayed at the site of the array.



### SYSTEM AT A GLANCE:

- System Size: 7.4kW DC
- Estimated Cost Savings After Payback over 30-year Life of System: \$27,000
- Estimated Annual Energy Production: 9,043kWh
- Fundraising Goal: \$25,000



### DONATION LEVELS:

-  **Silver Sponsorship** \$250 Engraved name on donor wall
-  **Gold Sponsorship** \$500 Engraved name on small individual paver
-  **Platinum Sponsorship** \$1000 Engraved name on medium individual paver

### ABOUT MARSHFIELD HIGH SCHOOL:

Marshfield High School is a public high school located in Marshfield, Wisconsin and part of the School District of Marshfield. This school serves 1,200 students in grades 9-12. Almost 75% of all students participate in Career and Technical education coursework.



**TO MAKE A DONATION TO THIS PROJECT PLEASE EMAIL:**  
[sustainableMFLD@gmail.com](mailto:sustainableMFLD@gmail.com)

### ENVIRONMENTAL BENEFITS:

In the first year the 7.4 kW system will offset CO2 emissions equivalent to:



**Electrical Usage of 1.1 homes**



**15,865 Miles Driven by an Average Passenger Vehicle**



**7,045 Pounds of Coal Burned**

### KEY PROJECT FUNDERS

Forward Bank  
Hawkins Ash  
Marshfield Eagles Women's Auxiliary  
Marshfield Eagles Aerie 624  
Marshfield Professional Police Association  
Marshfield High School Alumni Fund  
Marshfield Sunrise Rotary  
Sue Meyer  
Robert and Laurel Peterson  
John and Dana Welch  
Marshfield Young Professionals  
Focus on Energy  
Photovoltaic Systems, LLC  
Midwest Renewable Energy Association - Solar on Schools