

# **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 trains, 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:**

FORWARD

BANK











CHAMBER OF COMMERCE





# 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



## TO MAKE A DONATION TO THIS PROJECT PLEASE EMAIL: sustainableMFLD@gmail.com

#### **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

# 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.

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# **ENVIRONMENTAL BENEFITS:**

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





15,865 Miles Driven by an Average Passenger Vehicle



7,045 Pounds of Coal Burned