



Strategies for WI Energy Employment Growth

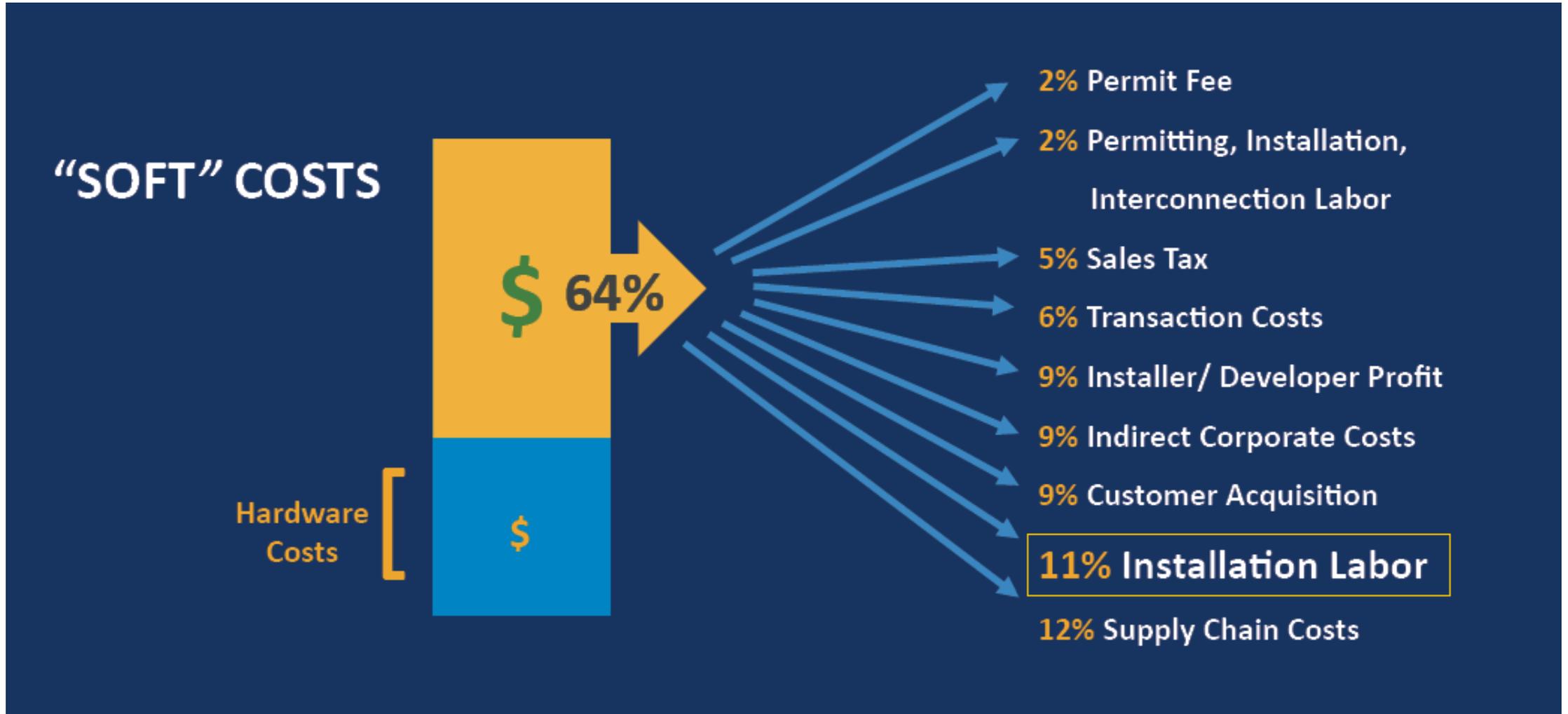
Presented by Nick Hylla, Executive Director, MREA



- **Founded in 1990**
- **3,000 members**
- **Offices in Custer and Milwaukee, WI**
- **Professional Training**
- **The Solar Corps**
- **Grow Solar Programs**
- **PV Technical Assistance**
- **Solar on Schools**
- **Rise Up Midwest!**



Reducing Solar “Soft Costs”



Support for Home and Business



11 MW

Total solar contracted through our Group Buy programs.



8,400

People attended our Solar Power Hour information sessions.



1,500

Properties have gone solar!

Support for Communities

To date, we've helped a total of 18 communities achieve SolSmart designation!



City of Eau Claire
City of Stevens Point
City of Wisconsin Rapids
Johnson County, IA



Ashland County
City of Ashland
City of La Crosse
City of Wauwatosa
Village of Amherst
Village of Egg Harbor
Village of Plover



Bayfield County
City of Bayfield
City of Racine
City of Sheboygan
La Crosse County
Portage County



Support for Schools

SOLAR ON SCHOOLS

Through a vision, and generous support from the Couillard Solar Foundation, Solar on Schools provides a range of free resources to Wisconsin K-12 schools interested in pursuing a solar PV system.

The time is now for solar PV, and Wisconsin schools are going solar! This initiative includes a grant, an online course, and webinar series.

midwestrenew.org/solar-on-schools • amandas@midwestrenew.org

Helping Wisconsin K-12 schools
on their solar PV journey.



Support for Institutions

FREE TOOL: Solar Project Builder

To further assist organizations considering deploying PV projects on their facilities, we've created a free online PV financial modeling tool. The tool helps organizations compare financing options and model financial returns of PV investments. Explore the tool at solarprojectbuilder.org!



From July 2018 - July 2019 the tool has seen the following user data:

8,727
Sessions

6,991
Users

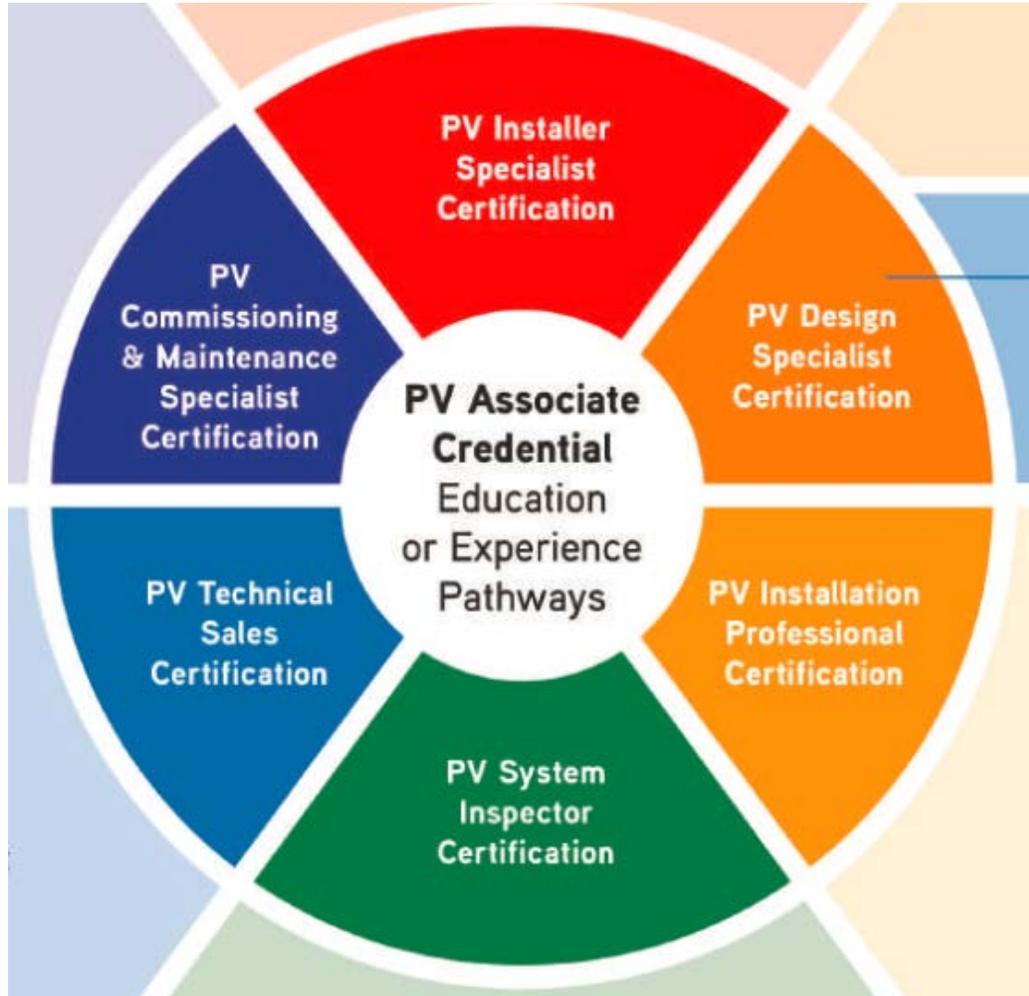
13,599
Page Views

5,248
Organic Searches

Support for Solar Businesses



Solar Career Pathways



BASIC PHOTOVOLTAICS (PV 101)



PV SITE ASSESSMENT (PV 201)



PV SYSTEM DESIGN (PV 202)



NABCEP PV ASSOCIATE EXAM





2019 Training



midwestrenew.org/course-offerings • courses@midwestrenew.org

1,127 Students
trained with MREA from July 2018 - July 2019.



189

Students participated in classroom and hands-on lab courses.



668

Students took online courses.



48

Students completed our Solar Training Academy.



222

Students participated in our Contract Trainings.



103

Students earned their NABCEP PV Associate credential through MREA!



93

Veterans participated in solar training with MREA. Select courses are approved by the Wisconsin State Approving Agency for GI Bill® education benefits.

MREA: Training for Equality of Opportunity

- The Chicago Urban League (IL)
- The Aurora Urban League (IL)
- The SAFER Foundation (IL)
- National Latino Ed. Inst. (IL)
- The MN Dept. of Corrections (MN)





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Solar Corps

Integrating workforce development into real world installations for people who need it most.



4

Technical College partnerships, connecting students with hands-on experience putting solar on non-profit organizations.



8

Partnering solar employers participating in our Solar Ready Internships to provide hands-on education to future employees. Nine students have completed internships.



3

Funding partners: The Couillard Solar Foundation, U.S. Dept. of Energy Solar Energy Technologies Office, and The Sally Mead Hands Foundation.



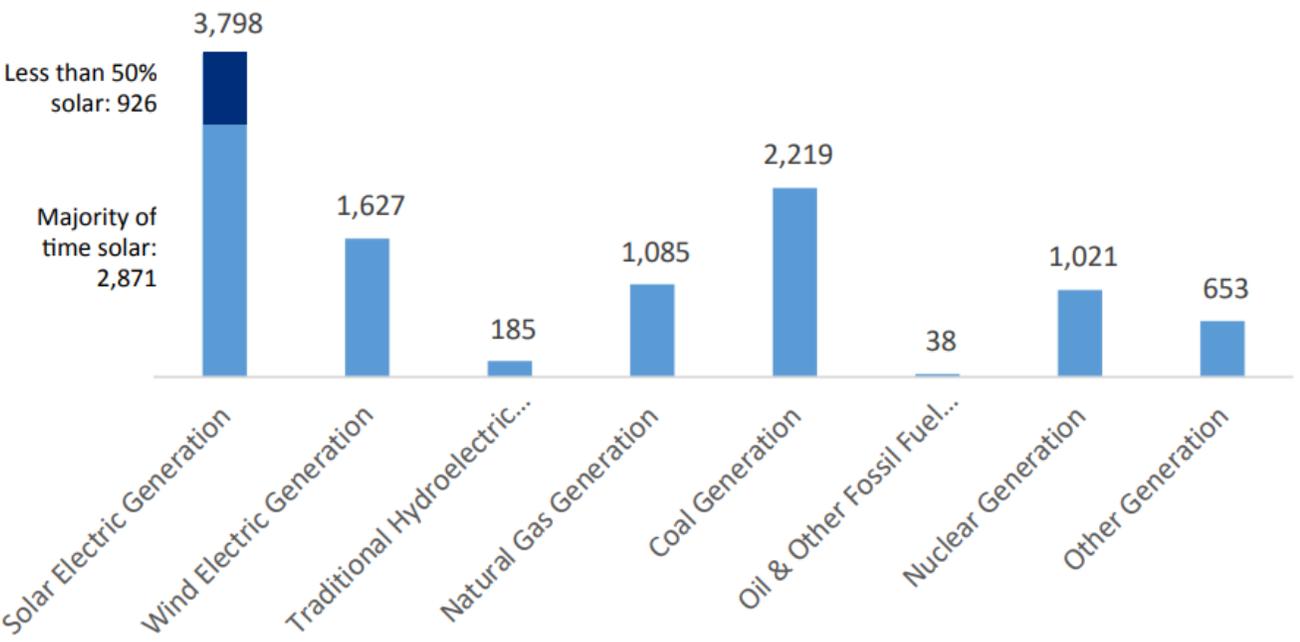
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High-impact, high-visibility solar installations on schools and non-profits will be powered by solar, assisting under-served populations in Wisconsin.



2020 Energy and Employment

Figure WI-2.
Electric Power Generation Employment by Detailed Technology Application



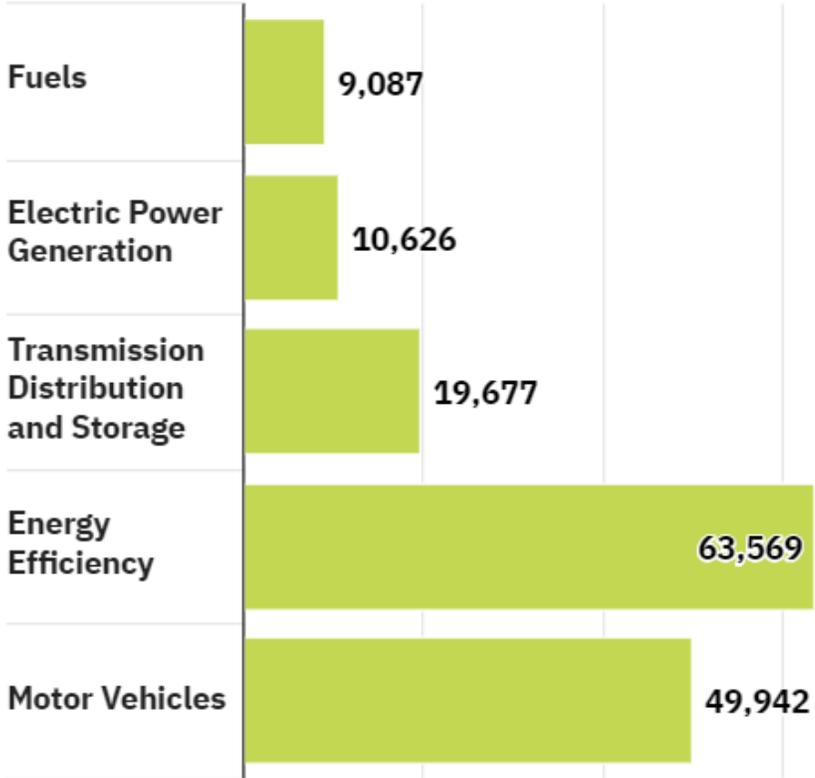
Source: The 2020 US Energy and Employment Report, NASEO <https://www.usenergyjobs.org/>

Wisconsin

Most in-demand energy jobs

1. Technicians/mechanical support (\$21.25/hour)
2. Installation workers (\$20.51/hour)
3. Management – directors, supervisors, vice presidents (\$43.21/hour)

Jobs by sector in Wisconsin





**Let's Put
the Good People
of Wisconsin
to Work and Build
the Energy Economy
of the Future**

Policies and Programs for Workforce Growth

Tenets:

1. Scale existing successes
2. Emphasize market stability
3. Support “most reasonable and prudent” investments
4. Increase market participation and competition



We Need To Work Together



Policies and Programs for Workforce Growth

Priorities:

1. Expand the Focus on Energy Program
2. Establish appropriate parallel generation rates for all electric utility ratepayers
3. Improve access to low-cost project financing
4. Support investment transition to distribution system modernization



Focus on Energy Budget Concern = Immediate

Remaining 2020 solar incentives as of July 7

*Multifamily and non-Residential Incentives – 0 to 100 kW	
Total budget	\$810,000
Paid/Reserved	\$683,054
Remaining	\$126,946

*Multifamily and non-Residential Incentives – 100 to 300 kW	
Total budget	\$570,000
Paid/Reserved	\$570,000
Remaining	\$0

Multifamily and non-Residential Incentives – 300+ kW	
Total budget	\$420,000
Paid/Reserved	\$420,000
Remaining	\$0

Residential Renewable Incentives	
Total budget	\$2,310,000
Paid/Reserved	\$2,207,803
Remaining	\$102,197

Rural Bonus Incentives	
Total budget	\$395,000
Paid/Reserved	\$395,000
Remaining	\$0

Agricultural Producer Bonus Incentives	
Total budget	\$180,000
Paid/Reserved	\$156,163
Remaining	\$23,837

Questions?

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**Midwest Renewable
Energy Association**

www.midwestrenew.org