2022 CLEAN JOBS MIDWEST

WISCONSIN FACT SHEET

A Return to Rapid Growth, with Clean Vehicle Jobs Driving Ahead

Wisconsin clean energy and clean transportation jobs grew by almost 3 percent in 2021, with electric vehicle manufacturing jobs leading the way

Quick Facts

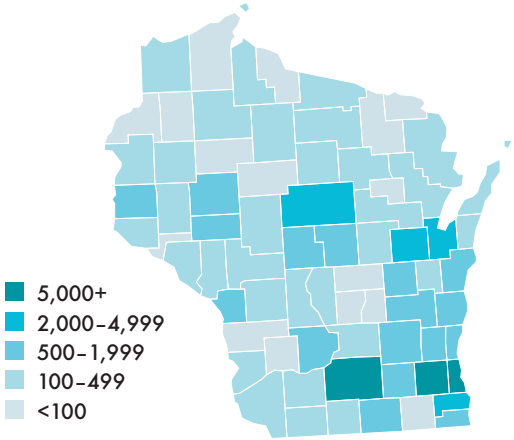
71,370
Clean energy jobs

+26%
Growth of jobs in the clean transportation sector, the region's fastest-growing sector in 2021

2.9%
Growth in clean energy jobs in 2021

Clean energy companies employed more than 71,000 Wisconsinites at the end of 2021, almost a 3 percent increase from 2020 and a return to growth after an unprecedented decline in 2020. Approximately 28 percent of the clean energy jobs lost during the COVID-19 economic downturn were regained. In 2021, clean energy jobs grew 20 percent faster than the overall economy. Almost twice as many Wisconsinites worked in clean energy than the number of lawyers, accountants and auditors, web developers, and real estate agents in the state combined.

Clean Energy Jobs* in Wisconsin



*Visualization based on 2020 data

The biggest sector of the Wisconsin clean energy industry is energy efficiency, over 79 percent of the state's clean energy workforce. The 56,241 energy efficiency workers in Wisconsin manufacture ENERGY STAR-rated appliances, install efficient lighting, ventilation, and air conditioning (HVAC) systems, and install advanced building materials in homes and commercial buildings.

As more automakers and their suppliers continue to shift to electric vehicles, the advanced transportation sector saw an increase of 26 percent in Wisconsin. The sector added 1,229 new jobs for a total of 6,037 workers. Hybrid, plug-in hybrid, and electric-vehicle sector jobs accounted for most of the sector's growth.

Solar energy jobs, another highlight in Wisconsin, grew by 6.2 percent to 4,001 workers.

Across all clean energy sectors, the majority of clean energy jobs in Wisconsin were in construction and manufacturing.

69% Small businesses drive Wisconsin's clean energy sector – in 2021, 68 percent of the state's clean energy businesses employed fewer than 20 individuals

11% Approximately 11 percent of the Midwest's clean energy workers were veterans

Learn more about the Midwest's clean energy industry at **www.cleanjobsmidwest.com**

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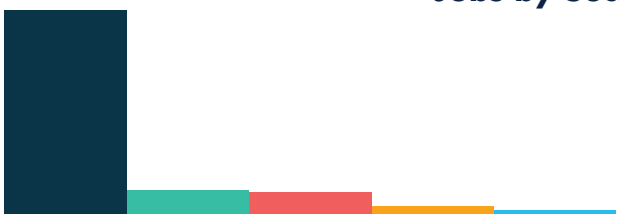
Policies Matter

Recent federal policies like the Inflation Reduction Act (IRA), the Infrastructure Investment and Jobs Act (IIJA), and the CHIPS and Science Act make unprecedented investments in the clean energy economy and create promise for strong future growth in clean energy jobs.

Still, there is more to do to meet the nation's climate goals of reducing climate emissions by 50 percent by 2030, improving equity in the clean energy economy, and growing clean energy jobs:

- **Implement recently passed federal policies to support a rapid and just transition to clean energy.** The IRA, IIJA, and the CHIPS and Science Act include a combined investment of hundreds of billions of dollars in the clean energy economy. Coordination across federal, state, and local agencies will be integral to maximize the effectiveness of this historic level of funding.
- **Develop and fund federal and state workforce development programs.** Workforce training will be critical to the continued growth of the industry, as over 84 percent of employers in the region report at least some difficulty hiring workers.
- **Expand our regional transmission grid and increase ease of access for clean energy projects.** The Midcontinent Independent System Operator (MISO)'s recent announcement of new transmission infrastructure will improve the region's congested grid. More is needed from MISO and the Midwest's other regional transmission organizations, PJM and the Southwest Power Pool, as many wind and solar projects will not be built if the transmission is not there to integrate them.
- **Advance state-level clean energy policies.** It will be important for Wisconsin to enact state policies that support renewable energy, energy efficiency and electric vehicles to leverage federal investment and help create thousands of new jobs.

Jobs by Sector

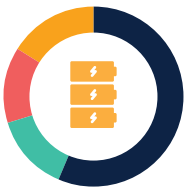


56,241	Energy Efficiency
6,529	Renewable Energy
6,037	Advanced Transportation
2,186	Grid & Storage
377	Clean Fuels

2021 Subsector Details

Energy Efficiency

21,828	Energy STAR & Efficient Lighting
8,664	Traditional HVAC
5,947	High Efficiency HVAC & Renewable H&C
18,329	Advanced Materials
1,473	Other



Grid & Storage

1,240	Clean Storage
310	Smart Grid
295	Micro Grid
340	Other Grid Modernization

Clean Fuels

90	Other E/Non-Woody Biomass
287	Other Biofuels

Advanced Transportation

2,767	Hybrid Electric Vehicles
1,233	Plug-In Hybrid Vehicles
1,498	Electric Vehicles
263	Natural Gas Vehicles
276	Hydrogen and Fuel-Cell Vehicles

Renewable Energy Generation

4,001	Solar
1,823	Wind
36	Geothermal
510	Bioenergy/CHP
159	Low-Impact Hydroelectric

Unless otherwise stated, the data and analyses presented in this report by Evergreen Climate Innovations and Environmental Entrepreneurs (E2) are based on data collected for the 2021 U.S. Energy Employment Report (2021 USEER), produced by the United States Department of Energy (DOE) and collected and analyzed by BW Research Partnership (BWRP).

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