2020 CLEAN JOBS MIDWEST

MIDWEST FACT SHEET

Clean Energy is Key for Economic Recovery in the Midwest

As the Midwest and the rest of America look toward economic recovery, the clean energy industry will play a key role because of its size, reach, and growth potential.

2019 Quick Facts

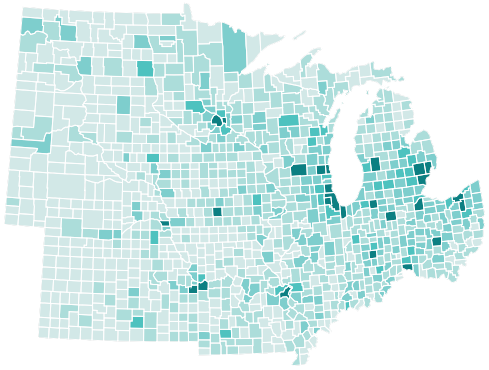
+7,559
Jobs in 2019

>20%
More than 20 percent of U.S. clean energy jobs are located in the Midwest

2x
Clean energy jobs grew more than twice as fast as overall employment across the Midwest

Prior to the COVID-19 crisis, clean energy companies employed more than 744,000 Midwesterners and clean energy jobs were growing in nearly every state, according to the latest available data. Across the region in 2019, the industry added more than 7,500 new jobs. At the end of 2019, more people in the Midwest worked in clean energy than the combined workforce of real estate agents and brokers, computer programmers, web developers, and waiters and waitresses. However, according to a recent analysis of U.S. Department of Labor unemployment data, in just the first three months after the pandemic began more than 131,600 workers in clean energy-related companies lost their jobs.

Clean Energy Jobs in Midwest



We've seen how government investment in clean energy can help create jobs and restart the economy. After the financial crisis, federal stimulus funding in 2009 contributed to the creation of hundreds of thousands of new clean energy jobs nationwide. It provided loans to help start about 500 new clean energy companies; weatherize thousands of homes and other buildings, and helped triple the amount of energy America gets from solar and wind.

As federal and state lawmakers once again look toward economic recovery, Clean Jobs Midwest illustrates the size, reach, and importance of the clean energy industry at a pivotal moment for our nation's economy.

Learn more and find out how many jobs are in your district at
www.cleanjobsmidwest.com

2020 CLEAN JOBS MIDWEST

MIDWEST FACT SHEET

Policies Matter

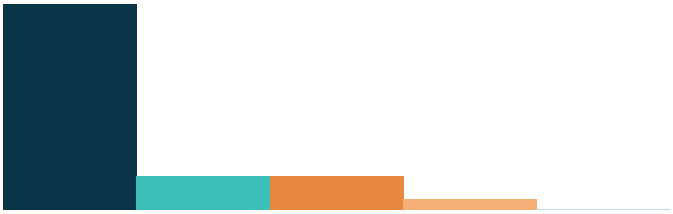
As lawmakers look to reinvigorate our economy and get America back to work, they must consider how they can support clean energy and provide stimulus funding that can drive job creation and economic growth for years to come. Smart federal, state, and local policies can help keep Wisconsin's clean energy economy growing by providing the market certainty that businesses need to set up and expand their operations.

At the federal level, lawmakers should:

- **Boost renewables:** Secure projects and jobs that rely on incentive-based funding by extending federal clean energy incentive deadlines to account for COVID-19 – related delays. Also, extend, expand, and reform clean energy incentives like the Production Tax Credit and expired energy efficiency tax credits for commercial and residential buildings and include direct pay options for each.
- **Rev up advanced transportation:** Invest in the infrastructure we need to expand the nation's electric vehicle charging network and clean fuel infrastructure; support robust fuel efficiency standards.
- **Keep energy efficiency on track:** Fund energy efficiency programs to immediately restore demand for the services of the electricians, construction workers, installers, and factory workers whose jobs have been impacted by COVID.
- **Invest in energy storage and technologies and other cutting-edge technologies:** Increase funding for U.S. Department of Energy programs like the Advanced Research Projects Agency-Energy (ARPA-E) and the federal loan guarantee program. This will spur the kinds of world-leading innovations we need to create new opportunities now while also driving growth for decades to come.

Meanwhile, states and municipalities across the Midwest can do their part by adopting strong renewable portfolio and energy efficiency standards that enable businesses to keep their workers on the job and can help create thousands of new jobs as the recovery kicks into gear.

Jobs by Sector



534,567	Energy Efficiency
87,307	Renewable Energy
87,993	Advanced Transportation
26,251	Grid & Storage
7,923	Clean Fuels

Subsector Details

Energy Efficiency

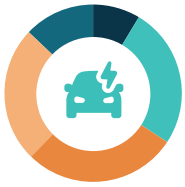
110,056	Energy STAR & Efficient Lighting
119,597	Traditional HVAC
129,975	High Efficiency HVAC
115,263	Advanced Materials
59,676	Other

Grid & Storage

13,773	Clean Storage
4,592	Smart Grid
3,917	Microgrid
3,968	Other Grid

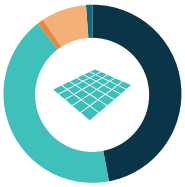
Clean Fuels

4,933	Non-corn Ethanol
2,990	Other Biofuels



Advanced Transportation

40,571	Hybrid Electric Vehicles
119,597	Plug-in Hybrid Vehicles
129,975	Electric Vehicles
115,263	Natual Gas
59,676	Hydrogen & Fuel-cell Vehicles



Renewable Energy Generation

40,508	Solar
36,298	Wind
1,228	Geothermal
7,385	Bioenergy/CHP
1,887	Low-Impact Hydroelectric

70% Small businesses drive the region's clean energy sector -- 70 percent of Midwestern clean energy businesses employed fewer than 20 individuals in 2019

11% 12 percent of clean energy workers in Wisconsin were veterans -- twice the representation of veterans in the state's overall workforce

Unless otherwise stated, the data and analyses presented in this report by Clean Energy Trust and Environmental Entrepreneurs (E2) are based on data collected for the 2020 U.S. Energy Employment Report (2020 USEER), produced by the Energy Futures Initiative (EFI) in partnership with the National Association of State Energy Officials (NASEO) and collected and analyzed by BW Research Partnership (BWRP). For more information on the survey methodology please visit cleanjobsmidwest.com/about

clean energy trust · E2 · NASEO National Association of State Energy Officials · ENERGY FUTURES INITIATIVE · [bw] RESEARCH PARTNERSHIP