

Clean Economy Grew Faster than Michigan Economy in 2024

QUICK FACTS

127,771

Clean energy jobs

13.8%

Growth since 2020

31,771

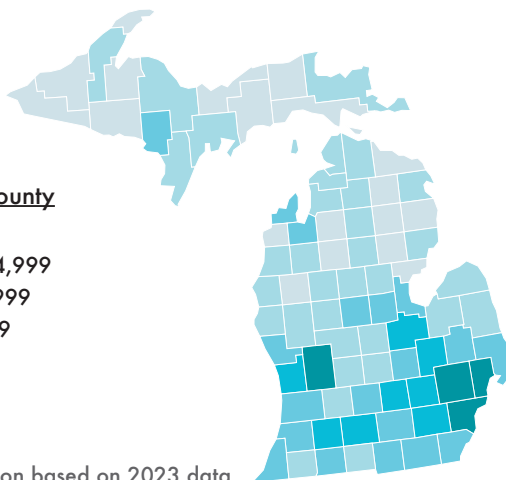
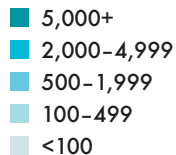
Clean vehicle jobs

The clean energy industry continues to be a major economic force in Michigan. Over 127,000 Michiganders work in renewable energy, energy efficiency, electric vehicle manufacturing, and other clean energy related fields. In 2024, the industry held steady even as the state's overall workforce shrank.

The data in this report predates the July 2025 passage of the One Big Beautiful Bill Act, which is expected to slow clean energy job growth nationwide. Still, the numbers point to a resilient and increasingly essential workforce. As energy demand grows and the costs of climate change mount, Michigan's clean energy workers are positioned to play an even greater role in shaping the state's economic future.

Clean Energy Jobs* in Michigan

Jobs by County



*Visualization based on 2023 data

Bright spots for the industry include energy efficiency. Energy efficiency comprises about 60 percent of all the region's clean energy jobs, and it grew by more than 1,900 jobs – top among all sectors. Over 78,000 Michiganders manufacture energy-efficient appliances, install efficient lighting, connect heat pumps and other highly efficient HVAC systems, construct buildings using materials like low-carbon concrete, or work in other energy efficiency-related jobs.

Clean vehicles is Michigan's second-largest clean energy sector, employing more than 31,000 Michiganders who work on EVs, hybrid EVs, plug-in hybrids, and hydrogen and fuel-cell vehicles. Last year, the sector lost 2,182 jobs due to a combination of automation, lower-than-expected consumer demand, policy uncertainty, and supply chain restructuring.

Renewable energy jobs topped 12,000 last year, spurred by a 2 percent growth in solar jobs. Clean grid and storage jobs grew to more than 4,300, up 3.9 percent from the previous year.

75.6%

In 2024, across all clean energy sectors, 75.6 percent of Michigan clean energy jobs were in **manufacturing** and **construction**.

10.5%

10.5 percent of Michigan clean energy workers were **veterans** in 2024.



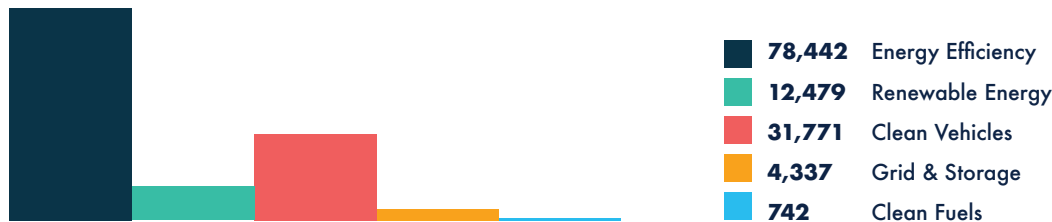
POLICIES MATTER

The One Big Beautiful Bill aggressively winds down long-standing wind, solar, vehicle, and energy efficiency tax credits, threatening to kill clean energy projects, increase energy costs, and slow the rapid onshoring of domestic clean energy manufacturing. Already, businesses have canceled, closed, and scaled back more than \$22 billion* worth of new projects and factories.

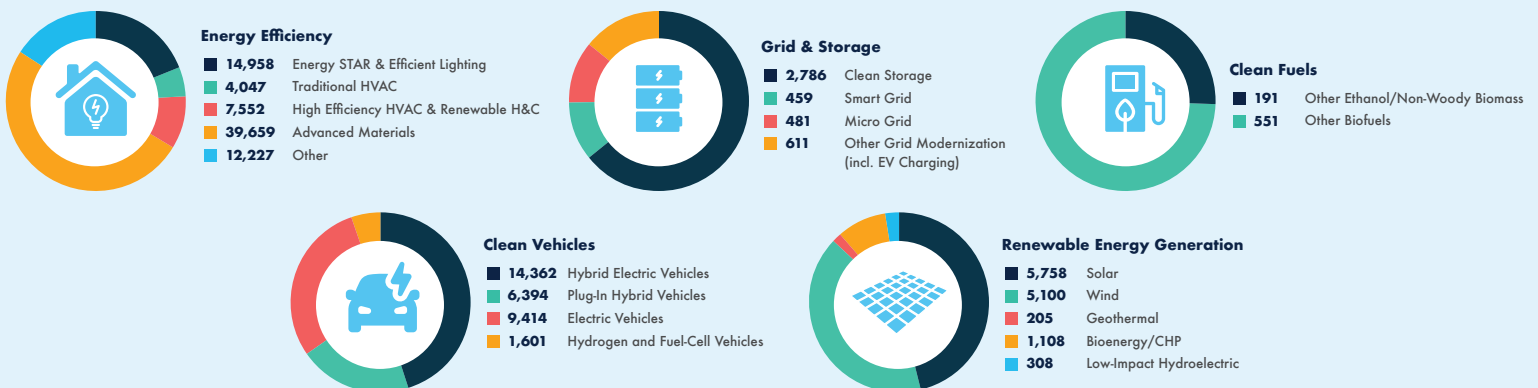
To retain some of the clean energy projects that are fueling the economy by creating jobs, keeping energy costs down, and helping meet rising energy demand, policymakers should:

- **Oppose federal policies that undermine the region's clean energy jobs and investments:** Additional federal hurdles and taxes, including new red tape for building on public lands and changes to Treasury Department rules, will drive away investments in Illinois, increase market uncertainty and kill local jobs.
- **Power data centers with clean energy:** The rapid rise in data centers is contributing to unprecedented energy demand. As states grapple with how to power these centers, they must prioritize the commonsense, low-cost, clean options. Utility-scale solar and onshore wind are the cheapest and fastest forms of new energy to deploy.
- **Prioritize new transmission:** The state must work with MISO to ensure important new transmission lines are built, creating capacity for the new clean energy projects we need.
- **Advance state-level clean energy policies:** Michigan lawmakers must stay laser-focused on protecting and achieving the state's 100% clean energy goals set in the landmark laws passed in 2023. That includes investing in the distribution grid to prepare for new clean energy demand from clean buildings and vehicles.

JOBS BY SECTOR



2024 SUBSECTOR DETAILS



Unless otherwise stated, data and analyses presented in this report by Evergreen Climate Innovations and E2 (Environmental Entrepreneurs) are based on data collected for the 2025 U.S. Energy Employment Report, produced by the U.S. Dept. of Energy and collected and analyzed by BW Research Partnership.

*Clean Economy Works, E2, September 2025,
<https://e2.org/announcements/>