

Minnesota Sets New Record for Clean Energy Jobs in 2024

QUICK FACTS

63,802

Clean energy jobs

2.6%

Growth in clean energy jobs

2X

Faster growth than overall economy

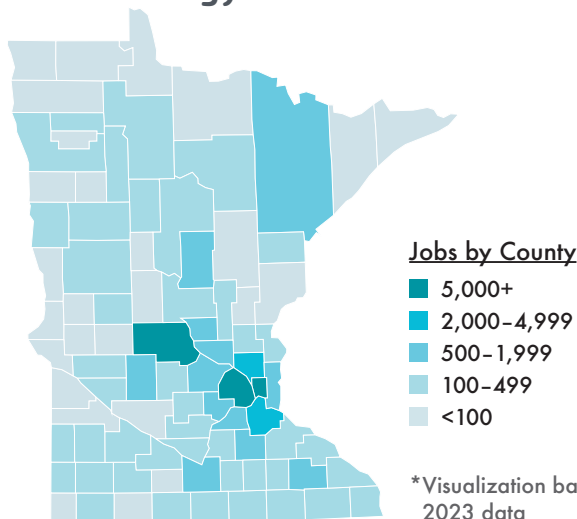
The clean energy industry continues to drive family-sustaining job creation in Minnesota, adding nearly 1,700 jobs across the state last year.

Close to 64,000 Minnesotans now work in energy efficiency, renewable energy, electric vehicle manufacturing, and other clean energy-related fields, an increase of over 2 percent from a year earlier. By comparison, the state's overall workforce grew by just over 1 percent last year.

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. Regardless, Minnesota remains committed to supporting the current and future clean energy workforce, as evidenced by its dedication to apprenticeship and job training programs, public-private partnerships, and technical assistance providers and resources.

As energy demand continues to rise, Minnesota's clean energy workers are poised to play an even more critical role in shaping the state and nation's resiliency and economic future.

Clean Energy Jobs* in Minnesota



Energy efficiency leads all clean energy job sectors, comprising over two-thirds of the state's clean energy jobs. The sector grew by nearly 1,700 jobs, the most of any category. Over 46,000 Minnesotans manufacture energy-efficient appliances, install efficient lighting and heat pumps as well as other highly efficient heating and cooling systems, or work in other energy efficiency-related jobs.

Renewable energy is the state's second-largest clean energy employer with 9,000 jobs, driven in part by a 1.1 percent increase in solar jobs. Clean grid and storage jobs climbed to more than 3,100 jobs, up 2.6 percent from the previous year.

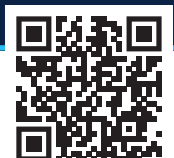
The clean vehicle sector, covering electric vehicles, hybrids, plug-in hybrids, and hydrogen or fuel-cell technologies, was the only segment of Minnesota's clean energy economy not to grow last year. Employment dropped to just over 4,500 jobs, dipping by 223 positions.

70.7%

In 2024, across all clean energy sectors, 70.7 percent of Minnesota clean energy jobs were in **construction** and **professional services**.

11.1%

11.1 percent of Minnesota clean energy workers were **veterans** in 2024.



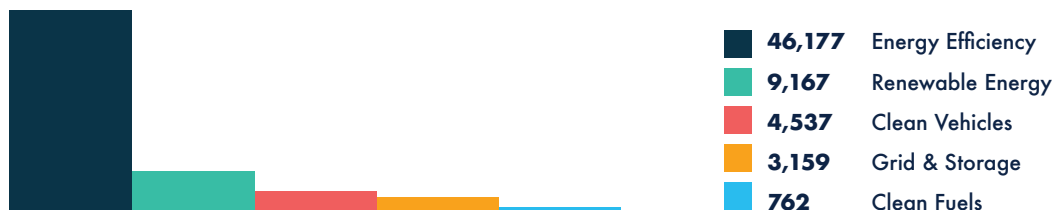
POLICIES MATTER

The One Big Beautiful Bill Act aggressively winds down long-standing energy efficiency, wind, solar, and electric vehicle tax credits. Policy instability threatens to derail the development of needed energy generation projects to meet load growth demand, increase energy costs, and slow the rapid onshoring of domestic clean energy manufacturing. Nationally, businesses have canceled, closed, and scaled back more than \$22 billion* worth of new projects and factories, which will have a significant impact on clean energy employment.

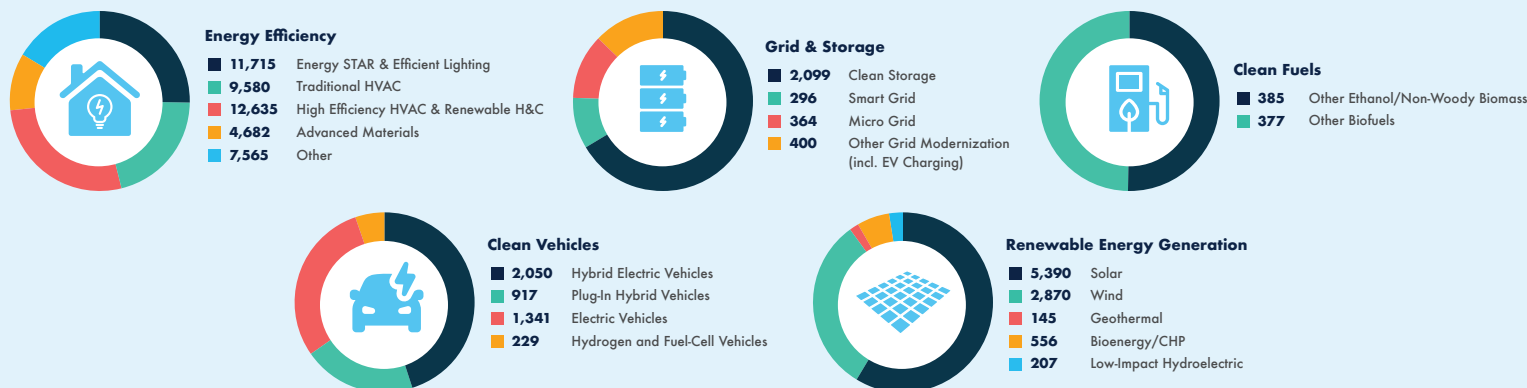
To retain some of the clean energy projects that are fueling the economy by creating jobs, keeping energy costs down, and helping meet rising energy demand, policymakers should:

- **Align permitting with federal energy policy trajectory:** As the federal government shifts implementation policies and tax credits for clean energy projects, Minnesota should support federal environmental permitting reform and encourage the federal government to support policies that create market stability and job growth.
- **Power data centers with clean energy:** The rapid rise in data centers is contributing to unprecedented energy demand. As Minnesota grapples with how to integrate the high energy demand of these centers, it must prioritize energy efficiency and clean solutions. Renewables such as solar and wind, along with storage, are the most reliable, resilient, and affordable forms of new energy to rapidly deploy.
- **Prioritize new transmission:** With Midcontinent Independent System Operator's approval of Tranche 2.1 last year, the region must maintain momentum by ensuring important new transmission lines are built in a timely fashion, ensuring the delivery of low-cost, reliable, clean energy needed to meet rising electricity demand.
- **Advance state-level clean energy policies:** Minnesota lawmakers should work to fast-track renewable energy deployment before federal tax credits expire and enact existing state incentives and programs that will help fill new gaps created by federal policy changes.

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/>