CLEAN ENERGY GROWING IN TENNESSEE

July 2025

CONVENERS NETWORK

$1.6 billion awarded through IIJA and IRA

$690 million private investment and **3,073 jobs** in manufacturing

9.8 GW of clean energy generation capacity

3,000 Manufacturing Jobs Announced in Tennessee

Private companies have announced **$690 million in investment** into the manufacturing of clean energy generation technology in Tennessee, which is expected to create **3,073 jobs**.[1] Of that total investment, 57 percent has been announced since late 2021 and 48 percent is expected to be invested in Republican districts.

SOLAR ENERGY
$86 million announced to support 1,529 jobs

TRANSMISSION & GRID
$604.6 million announced to support 1,544 jobs

The largest manufacturing facility by investment is the Hyosung transformers manufacturing facility in Memphis, which has a total of $349.9 million in announced investment along with 808 announced jobs. This is followed by the Schneider Electric Mt Juliet solar facility with $85 million in investment and 125 jobs.[2]

Tennessee Leads in Hydropower Generation

As of May 2025, Tennessee had an **installed clean energy generation capacity of 9,783 megawatts (MW)**, enough to power approximately 1.8 million homes.[3] Of this total, 4,124 MW comes from hydropower generation, making Tennessee the state with the sixth-highest hydropower capacity in the country. There are 1,327 MW of clean capacity currently planned or under construction in Tennessee, more than 200 percent

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[1] In this fact sheet, "clean energy" includes technologies that produce net-zero emissions.

[2] Manufacturing jobs include publicly announced, committed manufacturing jobs. Not all jobs may be realized. All manufacturing data sourced from the Clean Economy Tracker. Accessed July 5, 2025.

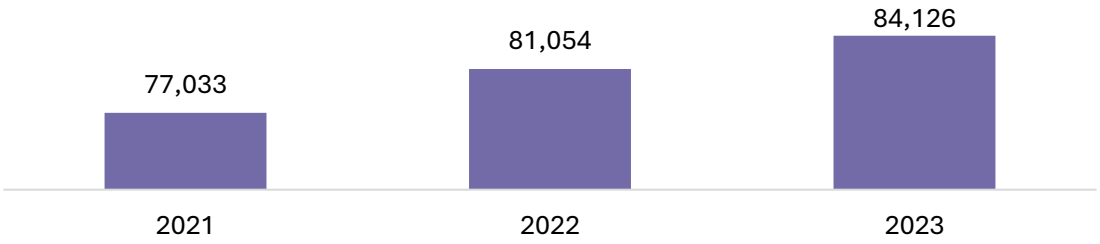
[3] The American Clean Power Association estimates that 1 MW of clean energy can power approximately 179 homes.

higher than the 426 MW that were planned or under construction in 2020. Clean energy accounts for 39 percent of the total operating, planned, and under construction energy generation capacity and 97 percent of those projects are in Republican Congressional districts.[4]

Clean Energy Jobs Have Grown in Tennessee

Electric power generation accounted for **14,283 jobs** in Tennessee in 2023. Of these, 770 were in wind electricity and 5,446 in solar electricity, accounting for 44 percent of electricity generation jobs in the state.

Clean energy jobs in Tennessee have grown nine percent since 2021. In 2023, Tennessee had **84,126 clean energy jobs**.[5]



Source: Energy Employment by State 2024.

$1.6 Billion Awarded to Tennessee in Federal Funding

Tennessee has been awarded **$1.6 billion** in federal funding for clean energy generation, storage, efficiency, and grid improvement programs from the Infrastructure Investment and Jobs Act and the Inflation Reduction Act, excluding loans and tax credits, and including multi-state awards. This funding has been awarded across programs and projects including:

- **$156 million** for community, rooftop, and utility scale solar installation, especially in underserved areas and for low-income homes.
- **$61 million** for activities to benefit communities through projects that reduce pollution, increase community climate resilience, and build community capacity to address challenges.
- **$22 million** for grid improvements to strengthen reliability and resilience and mitigate outages and disruptions due to extreme weather, wildfire, and other natural disasters.[6]

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[4] Electricity Data Browser, U.S. Energy Information Administration.

[5] United States Energy & Employment Report, Energy Employment by State 2024, Department of Energy.

[6] Funding amounts exclude awards that have been confirmed canceled by the Trump Administration but do include awards that are currently in litigation or otherwise on hold. Funding amounts are based on program and a given program may include projects in multiple sectors. These have been disaggregated to the extent possible but some over- and/or undercounting may remain. All funding data sourced from the Climate Program Portal. Accessed June 14, 2025.