

# OKLAHOMA LEADS IN CLEAN ENERGY MANUFACTURING

July 2025



**\$713 million** awarded through IIJA and IRA



**\$1.7 billion** private investment and **1,970 jobs** in manufacturing



**3<sup>rd</sup> highest** wind generation capacity

## 2,000 Manufacturing Jobs Announced in Oklahoma

Private companies have announced **\$1.7 billion in investment** into the manufacturing of clean energy generation technology in Oklahoma, which is expected to create **1,970 jobs**.<sup>1</sup> This investment is the ninth highest in the country. Nearly all investment has been announced since late 2021 and 100 percent is expected to be invested in Republican districts.



### SOLAR ENERGY

\$1.62 billion announced to support 1,320 jobs



### WIND ENERGY

\$60 million announced to support 450 jobs



### TRANSMISSION & GRID

200 jobs announced

The largest manufacturing facility by investment is the Enel solar manufacturing facility, with an announced investment of \$1 billion and 1,000 announced jobs. This is followed by a NorSun solar wafer producing facility at \$620 million in announced investment and 320 jobs.<sup>2</sup>

## Oklahoma Leads in Wind Generation

As of May 2025, Oklahoma had a total installed **clean energy generation capacity of 14,650 megawatts (MW)**, enough to power approximately 2.6 million homes.<sup>3</sup> Of this total, 12,660 MW came from onshore wind capacity, meaning that Oklahoma has the third highest wind generation capacity in the nation, behind only Texas and Iowa. Oklahoma's clean capacity has grown by 34 percent since 2020, almost entirely due to increased wind capacity. Solar is also on the rise in Oklahoma, accounting for 1,140 MW of 1,763 MW of

<sup>1</sup> In this fact sheet, "clean energy" includes technologies that produce net-zero emissions.

<sup>2</sup> 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.

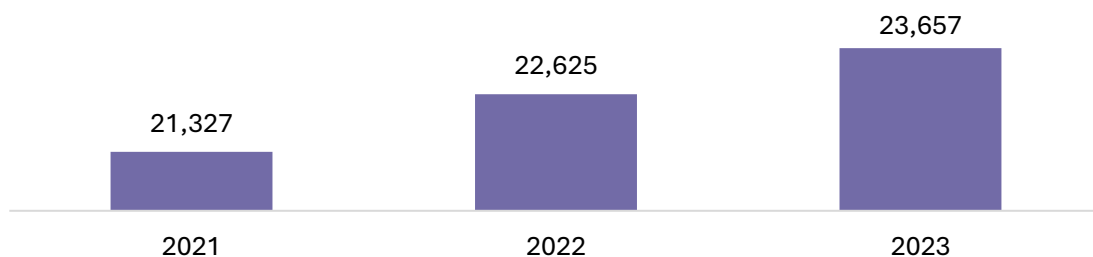
<sup>3</sup> The American Clean Power Association [estimates](#) that 1 MW of clean energy can power approximately 179 homes.

currently planned or under construction generation capacity. Clean energy accounts for 43 percent of total operating, planned, and under construction energy generation in Oklahoma.<sup>4</sup>

## Clean Energy Jobs Have Grown Over Time in Oklahoma

Electric power generation accounted for **8,069 jobs** in Oklahoma in 2023. Of these, 2,021 were in wind electricity and 1,649 in solar electricity, accounting for 45 percent of electricity generation jobs in the state.<sup>5</sup>

Clean energy jobs in Oklahoma have grown by just over ten percent since 2021. In 2023, Oklahoma had **23,657 clean energy jobs**.



Source: [Energy Employment by State 2024](#).

## \$713 Million Awarded to Oklahoma in Federal Funding

Oklahoma has been awarded **\$712.8 million** 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:

- **\$306 million** to facilitate the siting and construction of high-voltage transmission lines.
- **\$58.6 million** for grid improvements to strengthen reliability and resilience and mitigate outages and disruptions due to extreme weather, wildfire, and other natural disasters.
- **\$15 million** for farmers or rural or small businesses to install solar or other energy efficient technologies, estimated to save thousands of dollars.<sup>6</sup>

---

<sup>4</sup> [Clean Economy Tracker](#). Accessed July 5, 2025.

<sup>5</sup> United States Energy & Employment Report, [Energy Employment by State 2024](#), Department of Energy

<sup>6</sup> 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.