

# CLEAN ENERGY GROWING IN VIRGINIA

July 2025



**\$2.1 billion** awarded through IIJA and IRA



**\$913 million** in private investment and **2,010 jobs** in manufacturing



**13.3 GW** of clean energy generation capacity

## 2,000 Manufacturing Jobs Announced in Virginia

Private companies have announced **\$912.8 million in investment** into the manufacturing of clean energy generation technology in Virginia, which is expected to create **2,010 jobs**.<sup>1,2</sup> Of that investment, 77 percent has been announced since the end of 2021 and 25 percent is expected to be invested in Republican districts. Conversely, 84 percent of announced jobs are at facilities in Republican districts.



### SOLAR ENERGY

\$63 million announced to support 104 jobs



### WIND ENERGY

\$681 million announced to support 330 jobs



### TRANSMISSION & GRID

\$168.8 million announced to support 1,576 jobs

The largest manufacturing facility by investment is the LS Greenlink submarine cable manufacturing facility with a total of \$681 million in announced investment and 330 announced jobs. This is followed by the Delta Star East transformer manufacturing facility at \$65.2 million in investment. These facilities are under construction and operational, respectively.

## Virginia Leads in Solar Generation Growth

As of May 2025, Virginia had an **installed clean energy generation capacity of 13,330 megawatts (MW)**, enough to power nearly 2.4 million homes.<sup>3</sup> Clean energy generation capacity is up 36 percent from 9,780 MW in 2020. Much of Virginia's operating capacity is from solar at 4,870 MW or 37 percent. In 2020, Virginia had 1,300 MW of solar, meaning that the growth of solar far outpaced the growth of total clean energy.

<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.

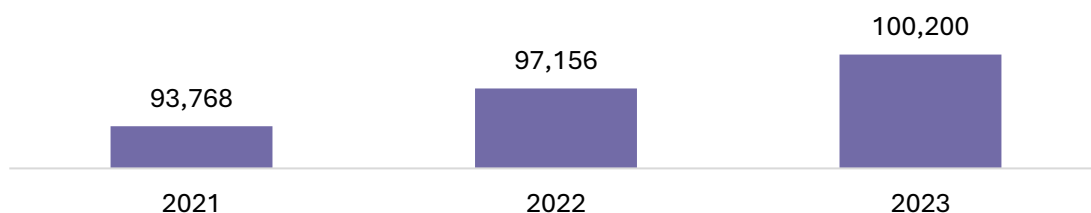
<sup>3</sup> The American Clean Power Association [estimates](#) that 1 MW of clean energy can power approximately 179 homes.

Virginia is set to continue this trend with 4,384 MW of solar currently planned or under operation, the fifth most in the country. Clean energy accounts for **55 percent** of total operating, planned, and under construction energy generation capacity in Virginia and 75 percent of those projects are in Republican Congressional districts.<sup>4</sup>

## Clean Energy Jobs Have Grown Over Time in Virginia

Electric power generation accounted for **18,059 jobs** in Virginia in 2023. Of these, 2,420 were in wind electricity and 5,833 in solar electricity, accounting for 46 percent of electricity generation jobs in the state.<sup>5</sup>

In 2023, Virginia had **100,200 clean energy jobs**, up nearly seven percent since 2021.



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

## \$2.1 Billion Awarded to Virginia in Federal Funding

Virginia has been awarded **\$2.07 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 projects and programs including:

- **\$156 million** for community, rooftop, and utility scale solar installation, especially in underserved areas and for low-income homes.
- **\$85 million** for grid improvements to strengthen reliability and resilience and mitigate outages and disruptions due to extreme weather, wildfire, and other natural disasters.
- **\$39.9 million** for activities to benefit communities through projects that reduce pollution, increase community climate resilience, and build community capacity to address challenges.<sup>6</sup>

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<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.