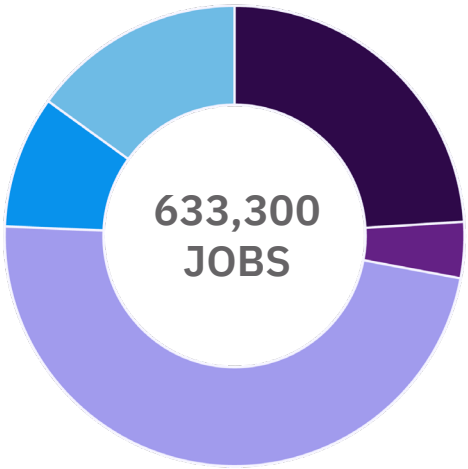
Advanced Energy Industry Employs 633,300 in California

More jobs than in hospitals (420k) and crop poduction (154k) combined



24%
Advanced Electricity Generation

4%
Advanced Grid and Storage

48%
Energy Efficiency

9%
Electric Vehicles

15%
Transmission and Distribution

FROM 2022 TO 2023:

California Advanced Energy Jobs Grew by 3%

Electric Vehicle Jobs Grew by 14%

Energy Efficiency Jobs Grew by 3%

ADVANCED ENERGY SUPPORTS 4.1 MILLION U.S. JOBS

Advanced Energy United educates, engages, and advocates for policies that allow our member companies to compete to repower our economy with 100% clean energy. We work with decision-makers at every level of government as well as regulators of energy markets to achieve this goal. The businesses we represent are lowering consumer costs, creating thousands of new jobs every year, and providing the full range of clean, efficient, and reliable energy and transportation solutions. Together, we are united in our mission to accelerate the transition to 100% clean energy in the United States.

SOURCES: Data collected for Dept. of Energy, 2024 U.S. Energy & Employment Report, and analyzed by BW Research Partnership; U.S. Bureau of Labor Statistics. See reverse for important notes about assumptions and data limitations.

ADVANCED ENERGY UNITED™

AdvancedEnergyUnited.org

California Advanced Energy Industry Jobs

152,100 JOBS
in Advanced Electricity Generation

Renewable energy and nuclear power

24,900 JOBS
in Advanced Grid and Storage

Battery storage, microgrids, and other grid modernization technologies

302,200 JOBS
in Energy Efficiency

Helping homes, offices, and industry save energy and money

58,900 JOBS
in Electric Vehicles

Plug-in hybrid, electric, and fuel cell vehicles

95,200 JOBS
in Transmission and Distribution

Connecting energy resources with demand

Our definition of 'advanced energy jobs' aligns closely with the U.S. Department of Energy 'clean jobs' definition, per the 2024 U.S. Energy & Employment Jobs Report (USEER); however, our categorization excludes biofuels. 'Advanced energy' includes:

- *All renewable electric power generation technologies, including traditional hydropower*
- *Nuclear electric power generation and fuel*
- *Microgrids and grid modernization*
- *Non-fossil energy storage*
- *Plug-in hybrid vehicles, battery electric vehicles, and hydrogen fuel cell vehicles*
- *All energy efficiency*
- *Transmission and distribution (note that the state-level data do not distinguish between traditional and clean energy T&D jobs, including those associated with fossil fuels. The DOE estimates that nationally 68% of T&D jobs are associated with clean resources.)*