

The United States Energy and Employment Report (USEER) captures employment, workforce, industry, occupation, unionization, demographic, and hiring information by energy industry technology groups. These groups represent the fields of electric power generation; transmission, distribution, and storage; fuels; energy efficiency; and motor vehicles and component parts.

The national report, along with companion reports giving state-level details, are available at energy.gov/useer



In 2021, the Energy sector employed more than 7.8 million Americans.

7.8 MILLION JOBS

4.0%

Total energy employment rose by 4.0% from 2020 to 2021.

2.8%

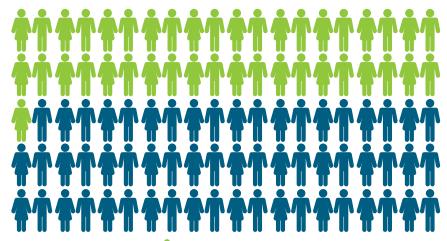
Energy jobs grew faster than the U.S. workforce overall, which rose 2.8% in 2021.

= 1 million jobs



JOBS IN NET-ZERO ALIGNED AREAS

There were 3,086,467 jobs in net-zero aligned areas, making up 41% of total energy jobs in 2021.



Net zero aligned job

Jobs in net-zero aligned areas are defined as jobs related to: renewable energy; grid technologies and storage; traditional transmission and distribution; nuclear energy; a subset of energy efficiency; biofuels; and plug-in hybrid, fully electric, and hydrogen fuel cell vehicles and components.



Across all energy jobs in 2021, 10% of workers were represented by a union or project labor agreement, compared to 6% in the private sector.

Energy Private Workers **Sector Overall 2021 ENERGY JOBS**

ELECTRIC POWER GENERATION

The Electric Power Generation sector employed 857,579 people in 2021, an increase of 24,006 jobs (+2.9%).

Nearly all subtechnologies added jobs from 2020 through 2021. Wind energy was one of the few industries that did not lose jobs in 2020.

Hydropower

+1,383 jobs

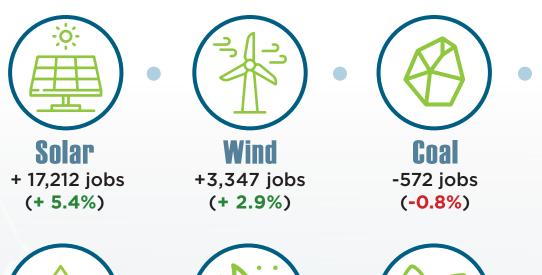
(+2.2%)

An increase of **24,006 JOBS**, **UP 2.9**%, from 2020 to 2021.

Bioenergy

+349 jobs

(+2.9%)



and Power

+996 jobs (+3.5)



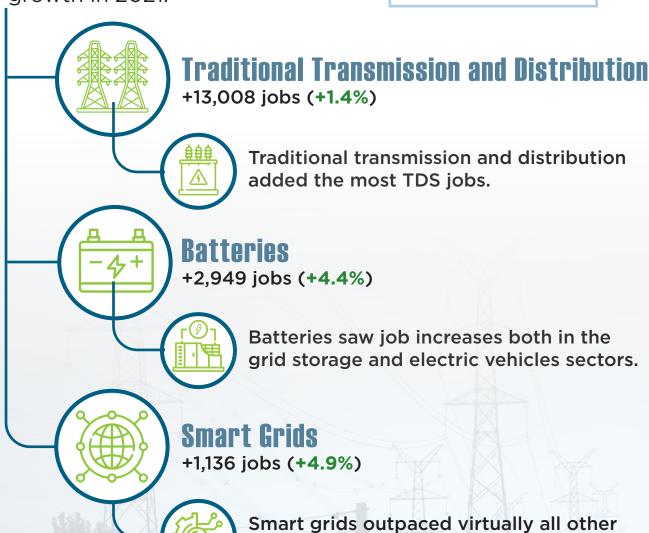


TRANSMISSION, DISTRIBUTION, AND STORAGE

The Transmission,
Distribution, and Storage
sector employed more than
1.3 million people in 2021.

All transmission, distribution, and storage technologies experienced job growth in 2021.



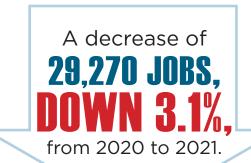


TDS technologies in growth rate.



The Fuel sector employed 908,422 people in 2021.

Fossil fuel jobs accounted for most of the fuel jobs lost.





Petroleum

-31,593 jobs (-6.4%).



Onshore and offshore petroleum sectors combined led total job losses.



Coal Fuel

-7,125 (**-11.8%**).



Coal fuel employment declined by the greatest percentage.



Binfuels

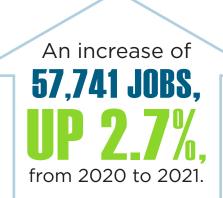
+1,180 jobs (+6.7%)



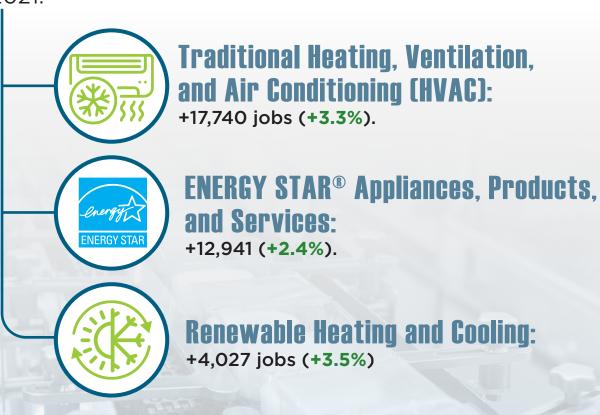
Renewable diesel fuels, biodiesel fuels, and waste fuels all added jobs.

ENERGY EFFICIENCY

The Energy Efficiency sector employed 2,164,914 people in 2021 in the design, installation, and manufacturing of energy efficiency products and services.



All energy efficiency technologies experienced job growth in 2021.





The Motor Vehicle and Component Parts sector employed 2,553,368 people in 2021.

Motor vehicles and component parts is the largest energy sector.

An increase of **228,082 JOBS, UP 9.8%,** from 2020 to 2021.



Motor Vehicles:

+144,300 (+11.9%)



- \frac{1}{2}





Hybrid Electric

+23,577 jobs (+19.7%)

Full Battery Electric

+21,961 jobs (+26.2%)

Plug-in Hybrid

+14,790 jobs (+30.9%)

Hydrogen Fuel Cell

+4,160 (+41.4%)



Component Parts:

+79,100 jobs (+**7.9**%)



Jobs in carbon-reducing motor vehicles and component parts technologies grew a collective 25% in 2021, and were among the only subcategories of any type of energy jobs that did NOT decrease in 2020.



Carbon-reducing vehicles, renewable energy, and energy efficiency were a significant source of job growth in many states



Texas gained approximately 31,000 net jobs, which includes roughly 5,000 in carbon-reducing motor vehicles and nearly 7,000 in energy efficiency.



California gained more than 29,000 energy jobs, of which about 11,000 were in carbon-reducing motor vehicles and almost 2,000 were in solar.



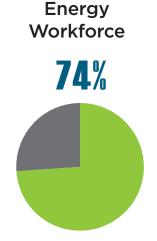
Florida gained nearly 15,000 energy jobs, of which, over 5,000 were in energy efficiency.



West Virginia and Pennsylvania fared best nationally for growth in transmission, distribution, and storage, gaining 7,321 and 5,726 new jobs, respectively.



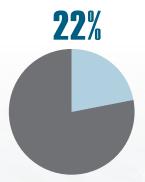
The energy workforce is 74% male vs U.S. workforce average, which is 53% male.











Black or African American: 8% compared to 12% across the U.S. workforce





^{*}Surveys were filled out by employers who do not always have an accurate understanding of the racial and ethnic makeup of their employees