



Solar power generation in Wa State

System Topology





Overview

According to the EIA's Electricity Data Browser, the net solar generation in 2024 from Washington plants was 436 thousand megawatt hours (MWh). [1] This is an increase from about 300 MW in 2021 and 27 MW in 2013. Washington pays a feed-in tariff of up to \$5,000/year of 15 cents/kWh, which is increased by a factor of 2.4 if the panels are. In Washington state Net Energy Metering (NEM) allows customers with renewable energy systems, like solar panels, to earn credits for the excess electricity they send to the grid. Established by law in 1998 and revised in 2019, NEM has supported investments in private renewable energy.



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State of Renewable Energy

In 2024, Washington produced the equivalent of 11% of the electricity it consumes from solar, wind and geothermal power, compared with just 8% in 2015, part of a larger transition toward clean energy ...

Solar power in Washington (state)

As of the first quarter of 2023, Washington State has 604 MW of solar power electricity generation. This is an increase from about 300 MW in 2021 and 27 MW in 2013. Washington pays a feed-in tariff of up to \$5,000/year of 15 cents/kWh, which is increased by a factor of 2.4 if the panels are made in the state and by an additional 1.2 if the inverters are made in state.



[How is solar power generation in Wa State? , NenPower](#)

While Washington State is recognized for its cloud cover and precipitation, solar energy generation remains viable. Recent advancements in solar technology have allowed for improved ...

Washington , Our Sun Our Power

While Washington state was home to the nation's first community solar project, it ranks 31st in community solar power generation. Allowing community solar to serve more customers will help ...



5 surprising facts about renewable energy growth in Washington

According to Renewables on the Rise 2024, the eighth edition of our annual report on the state of clean energy in America, Washington now generates 2,283% more solar power and 4.6% ...

[Washington's Utility-Scale Solar Generation - Trending Up](#)

The U.S. Energy Information Administration (EIA) has published its 2024 state-level data for energy generation, and the results show steady growth for utility-scale solar energy in Washington.



[Fact Sheet: Washington Leads in Clean Energy](#)

Electric power generation accounted for 15,791 jobs in Washington in 2023. Of these, 3,521 were in wind electricity and 5,670 in solar electricity, accounting for 58 percent of electricity generation jobs in the ...

WASHINGTON FACT SHEET



The clean energy workforce especially will be turbo-charged with an estimated \$5.3 billion of investment in large-scale clean power generation and storage in Washington between now and 2030.



Solar Gaps in Washington

Above is a map of the solar potential in Washington State. This map indicates that over at least half of Washington has good solar potential, but potential is irrelevant if it's never put to use.

WSAS to examine ways to value distributed solar power generation ...

The study will examine benefit factors that affect power generation, transmission, distribution, customers, and communities. Once the benefits are identified, the research team will ...





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