

About Solar

U.S. Solar Energy Facts

Utility-scale solar is the 3rd-largest source of renewable energy.

Utility-scale solar farms have a total capacity of 68 GW nationwide







CO2 emissions avoided Equivalent to taking 19 million cars off the road.

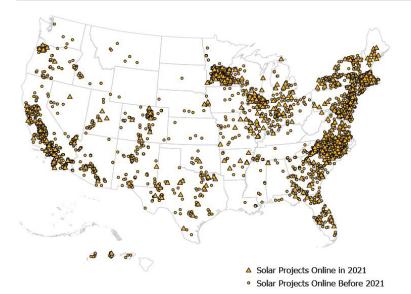
Utility-scale solar is a major economic contributor.



in state and local taxes and land-lease payments annually.

71%

The cost of solar energy has fallen 71% in 10 years.



Over 400 utility-scale solar projects added to the grid in 2021.

> 112 GW

of new utility-scale PV solar will be added from 2022 to 2027, nearly doubling the amount installed in the last decade.

Solar project overview

EDPR uses Photovoltaic (PV) solar cells. Photovoltaic solar cells have no moving parts and convert sunlight directly into electricity via the photoelectric effect. This direct-current electricity is then collected, transformed into alternating-current, and finally enters the electrical grid through a substation after being converted to the proper voltage.



1 MW Solar = about 6 football fields or 8-10 acres.

1 megawatt of solar energy powers more than 240 average homes.

About us

EDP Renewables North America LLC (EDPR NA), its affiliates, and its subsidiaries develop, construct, own, and operate wind farms and solar parks throughout North America. Headquartered in Houston, Texas, with 58 wind farms, nine solar parks, and eight regional offices across North America, EDPR NA has developed more than 8,800 megawatts (MW) and operates more than 8,200 MW of onshore utility-scale renewable energy projects. With more than 950 employees, EDPR NA's highly qualified team has a proven capacity to execute projects across the continent.

EDPR NA is a wholly owned subsidiary of EDP Renewables (Euronext: EDPR), a global leader in the renewable energy sector. EDPR is the fourth largest renewable energy producer worldwide with a presence in 28 markets across Europe, North America, South America, and Asia Pacific. EDPR has a robust development portfolio with first-class assets and a market-leading operational capability in renewables. These include wind onshore, utility scale and distributed solar, wind offshore (through its 50/50 JV – OW), and technologies complementary to renewables such as batteries and green hydrogen.

EDPR is a division of EDP (Euronext: EDP), a leader in the energy transition with a focus on decarbonization. EDP – EDPR's main shareholder – has been listed on the Dow Jones Index for 14 consecutive years, recently being named the most sustainable electricity company on the Index.

For more information, visit www.edpr.com/north-america.

Renewables

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