



Rising Tree Wind Farm

Kern County, California

⚡ Installed capacity: **198 MW**

🏠 Online since: **2014**

🏠 Generation is equivalent to the average consumption of more than **103,000 California homes**.¹

Rising Tree Wind Farm consists of three phases and is located in Kern County, approximately three miles west of the town of Mojave. The wind farm is within the Tehachapi Wind Resource Area, the same site as a few of the earliest wind farms in the United States. Local winds are fueled by cooler air from the San Joaquin Valley rushing through Tehachapi Pass to fill low pressure voids caused by heating in the Mojave Desert.



Economic benefits



\$68.6+ million
TOTAL PROJECT IMPACT²



\$39.5+ million
PAID TO LOCAL GOVERNMENTS⁴



\$27.2+ million
PAID TO LANDOWNERS³



\$1.8 million
SPENT LOCALLY⁵



PERMANENT JOBS⁶
15+ jobs created



CONSTRUCTION JOBS⁶
135+ jobs created

Energy security

Power generated at Rising Tree supports the state of California's electric grid. The wind farm would contribute to the **energy security for the United States**, helping diversify domestic supply.

Wind energy and land use

Wind turbines have a limited footprint, **leaving 98 percent of the project's leased land undisturbed** and available for farming, wildlife habitat, ranching, or recreation.⁷

Wind energy supports American manufacturing

More than 450 American factories produce parts and materials for the U.S. wind industry, which **employs more than 130,000 Americans**.⁸

Rising Tree's environmental impact

The wind farm saves more than **352 million gallons** of water each year and prevents the air pollution that causes smog and acid rain.⁹

EDPR NA's impact in North America from wind energy¹⁰



\$575+ million
PAID TO
LANDOWNERS



\$558+ million
PAID TO LOCAL
GOVERNMENTS



7,400+
CONSTRUCTION
JOBS CREATED

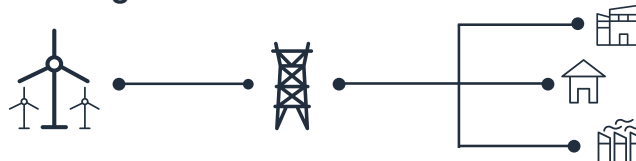


610+
PERMANENT
JOBS CREATED

How wind energy works

EDPR NA uses wind turbines to harness the natural resource of wind to generate mechanical energy. This energy is transformed into electricity via a generator and is sent to the electrical grid after being converted to the proper voltage.

Power grid



Wind is one of the cheapest forms of energy.¹¹

Wind energy provides at least a quarter of the electricity produced in eight states.¹²

Local experience with EDPR NA

“We are always going to have wind, but it's one way we can utilize the wind to not only help our community and our country, but the world.”

Judy W., Landowner, New York



Scan the QR Code to explore educational resources on renewables and how we are empowering local economies, as well as meeting today's rising energy demands.

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¹ Power generation calculated using a 35% capacity factor. Household consumption based on the 2023 EIA Household Data monthly average consumption by state.

² Includes vendor spending, property taxes, and landowner payments through 2024.

³ Cumulative landowner payments through 2024.

⁴ Cumulative local government payments through 2024.

⁵ Cumulative local vendor spending including payments to contractors, suppliers, and service companies, as well as donations within 50-miles of the project area through 2024.

⁶ Full-time equivalent jobs calculated by dividing number of contractor hours worked during construction by 2080.

⁷ American Clean Power Association, Wildlife and Wind Power Facts, 2021.

⁸ American Clean Power Association, Wind Power Facts, 2024.

⁹ Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

¹⁰ Based on EDP Renewables North America's operational wind farms through 2024.

¹¹ Lazard's Levelized Cost of Energy 2024 (version 17.0)

¹² American Clean Power Association, Wind Power Facts and Statistics, 2025.

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 61 wind farms, 26 solar parks, and eight regional offices across North America, EDPR NA has developed more than 12,000 megawatts (MW) and operates more than 11,400 MW of onshore utility-scale renewable energy projects. With more than 1,000 employees, EDPR NA's highly qualified team has a proven capacity to execute projects across the continent.

For more information, visit www.edprnorthamerica.com.

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