



Rising Tree Wind

Kern County, California

- ⚡ Installed capacity: **198 MW**
- 🏠 Commercial operation: **2014**
- 🏠 Homes powered: **103,000 California homes.**¹

Rising Tree Wind consists of three phases and is located in Kern County, approximately three miles west of the town of Mojave. The site 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.



\$75 million
Total project impact



\$44 million
Revenue for public services



\$29 million
Revenue for landowners



\$2 million
Local spending



17
Permanent jobs



139
Construction jobs

Energy security

Power generated at this site **will strengthen California's electric grid while contributing to broader U.S. energy security** by diversifying domestic power supply.

Wind energy and land use

Wind turbines have a minimal land footprint, leaving approximately **98% of leased land available** for continued farming, wildlife habitat, ranching, or recreation.²

Wind energy supports American manufacturing

The U.S. wind industry supports a robust domestic supply chain, with **more than 450 factories and over 130,000 American jobs** nationwide.³

Rising Tree's environmental impact

This project will conserve **over 352 million gallons** of water annually and reduce air pollution linked to smog and acid rain.⁴

EDPR NA: Powering North America with wind energy⁵



2.5 million
Homes powered



\$582 million
Revenue for
landowners



\$614 million
Revenue for
public services

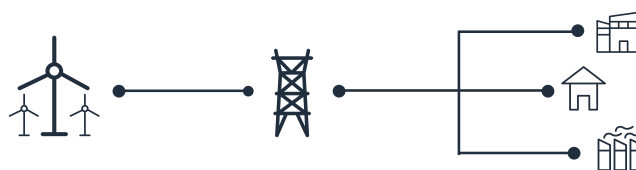


8,000 jobs
Permanent &
construction



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.



As one of **the most cost-effective energy sources available** today, wind energy already provides at least **25% of electricity generation** in eight U.S. states.^{6,7}

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.

▶ *Scan the QR Code using the camera on your mobile device.*



¹Power generation calculated using a 35% capacity factor. Household consumption based on the 2024 EIA Household Data monthly average consumption by state.

²American Clean Power Association, Wildlife and Wind Power Facts, 2021.

³American Clean Power Association, Wind Power Facts, 2024.

⁴Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

⁵Based on EDP Renewables North America’s operational wind sites through 2025.

⁶Lazard’s Levelized Cost of Energy 2024 (version 17.0)

⁷American 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, 29 solar parks, four energy storage sites, and eight regional offices across North America, EDPR NA has developed more than 12,900 megawatts (MW) and operates more than 12,300 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.

Rising Tree Wind Operations & Maintenance Office

15600 67th Street West
Mojave, CA 93501

713.997.7262

RisingTreeWind@edpr.com

© EDP Renewables North America LLC. All Rights Reserved.