



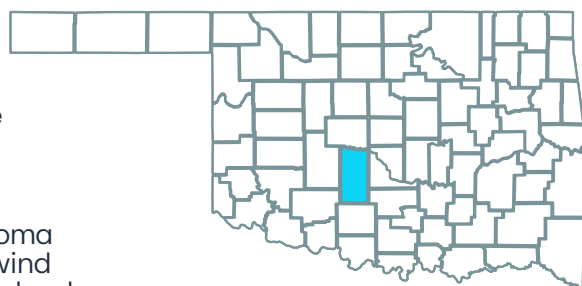
# Redbed Plains Wind Farm

Grady County, Oklahoma

⚡ Installed capacity: **99 MW**

🏠 Online since: **2017**

🏠 Generation is equivalent to the average consumption of more than **21,900 Oklahoma homes**.<sup>1</sup>



Redbed Plains Wind Farm is located 25 miles southwest of Oklahoma City in central Oklahoma. Located in northern Grady County, the wind farm complements the area's mixed agricultural production of cropland and pasture, providing local agricultural producers with a stable revenue stream in the form of landowner lease payments.

## Economic benefits



**\$36.2 million**  
TOTAL PROJECT IMPACT<sup>2</sup>



**\$7.2+ million**  
PAID TO LOCAL GOVERNMENTS<sup>4</sup>



**\$8.4 million**  
PAID TO LANDOWNERS<sup>3</sup>



**\$20.5+ million**  
SPENT LOCALLY<sup>5</sup>



PERMANENT JOBS<sup>6</sup>  
**10 jobs created**



CONSTRUCTION JOBS<sup>6</sup>  
**125 jobs created**

### Energy security

Power generated at Redbed Plains supports the state of Oklahoma's electric grid. The wind farm contributes 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.<sup>7</sup>

### 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**.<sup>8</sup>

## Redbed Plains' environmental impact

The wind farm saves more than **176 million gallons** of water each year and prevents the air pollution that causes smog and acid rain.<sup>9</sup>

## EDPR NA's impact in North America from wind energy<sup>10</sup>



**\$575+ million**  
PAID TO  
LANDOWNERS



**\$558+ million**  
PAID TO LOCAL  
GOVERNMENTS



**7,400+**  
CONSTRUCTION  
JOBS CREATED



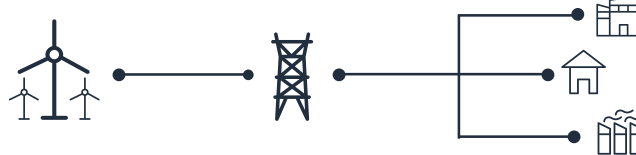
**610+**  
PERMANENT  
JOBS CREATED



## 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.<sup>11</sup>**

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

## Local experience with EDPR NA

“Money isn’t everything, but it takes money to make the world go ‘round. The community from construction time, the little grocery stores, the tire shops, mechanic shops, gravel truck guys...they all get a little job out of it. And that’s just where the money begins. The schools get big money out of it. It’s for more than just us landowners, it’s for the whole community.”



Leo L., Landowner, Texas

**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.*



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

<sup>2</sup> Includes vendor spending, property taxes, and landowner payments through 2024.

<sup>3</sup> Cumulative landowner payments through 2024.

<sup>4</sup> Cumulative local government payments through 2024.

<sup>5</sup> 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.

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

<sup>7</sup> American Clean Power Association, Wildlife and Wind Power Facts, 2021.

<sup>8</sup> American Clean Power Association, Wind Power Facts, 2024.

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

<sup>10</sup> Based on EDP Renewables North America’s operational wind farms through 2024.

<sup>11</sup> Lazard’s Levelized Cost of Energy 2024 (version 17.0)

<sup>12</sup> American Clean Power Association, Wind Power Facts and Statistics, 2025.

## About us

EDPR 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](http://www.edprnorthamerica.com).

## Redbed Plains Wind Farm Operations & Maintenance Office

1421 County Road 1190  
Tuttle, OK 73089

713.997.7258  
[RedbedPlainsWind@edpr.com](mailto:RedbedPlainsWind@edpr.com)