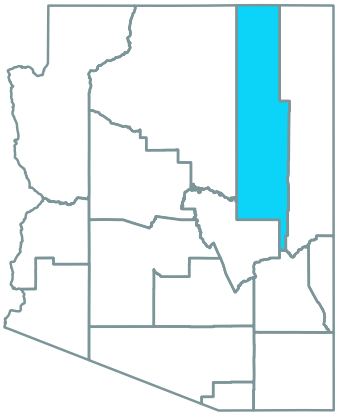
Winding Canyon Wind

Navajo County, Arizona

Installed capacity: **300 MW**

Estimated commercial operation: **2030**

Generation would be equivalent to the average consumption of more than **71,300 Arizona homes**.[1]



Winding Canyon Wind would be located in the high desert of Navajo County, approximately 15 miles southeast of Winslow. The land is currently used for ranching, which would continue during the project's operations. This project is currently in the early development stage.

Economic benefits

$450+ million
CAPITAL INVESTMENT[2]

Millions of dollars
WOULD BE PAID TO LOCAL GOVERNMENTS

$120+ million
WOULD BE PAID TO LANDOWNERS

Millions of dollars
WOULD BE SPENT LOCALLY

PERMANENT JOBS[3]
Multiple jobs would be created

CONSTRUCTION JOBS[3]
Hundreds jobs would be created

Energy security

Power generated at Winding Canyon would support the state of Arizona's electric grid. The wind site would also 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.[4]

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**.[5]

All economic data reflects the estimated amount throughout the life of the project.

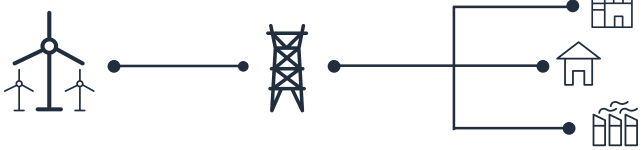
Winding Canyon's environmental impact

The wind site would save more than **355 million gallons** of water each year and would prevent the air pollution that causes smog and acid rain.[6]

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.[8]

Wind energy provides at least a quarter of the electricity produced in eight states.[9]

EDPR NA's impact in North America from wind energy[7]

$575+ million
PAID TO LANDOWNERS

$558+ million
PAID TO LOCAL GOVERNMENTS

7,400+
CONSTRUCTION JOBS CREATED

610+
PERMANENT JOBS CREATED

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.

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

[2] Assumes the average cost of an installed wind farm is $1.4 million/MW for projects built after 2018, $1.6 million/MW for projects built in 2017, $1.7 million/MW for projects built between 2012 and 2016, and $2.2 million/MW for projects built before 2012. Based on U.S. DOE 2018 Wind Technologies Market Report, U.S. DOE 2017 Wind Technologies Market Report, and U.S. DOE 2015 Wind Technologies Market Report.

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

[4] American Clean Power Association, Wildlife and Wind Power Facts, 2021.

[5] American Clean Power Assocaciation, Wind Power Facts, 2024.

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

[7] Based on EDP Renewables North America's Operational Wind Farms through 2024.

[8] Lazard's Levelized Cost of Energy 2024 (version 17.0)

[9] 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 60 wind farms, 27 solar parks, and eight regional offices across North America, EDPR NA has developed more than 12,000 megawatts (MW) and operates more than 11,600 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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