



**BLACK
PRAIRIE**
SOLAR PARK



Black Prairie Solar

White County, Indiana



Capacity: **200 MW**



Estimated commercial operation: By the end of the year of **2027**



Generation will be equivalent to the average consumption of more than **41,600 Indiana homes**.¹

Black Prairie Solar will be located within our Meadow Lake Wind Farm over a mile west of Chalmers, Indiana. The project will be located mainly in Prairie Township, where the soil is black and productive, a result of the swamps that once occupied the land. Black Prairie will also be our first hybrid wind and solar project in White County. The land is flat and primarily planted with corn and soybeans.



Economic benefits



\$345 million
CAPITAL INVESTMENT²



\$38 million
WILL BE PAID TO LOCAL
GOVERNMENTS



\$105 million
WILL BE PAID TO LANDOWNERS



Millions of dollars
WILL BE SPENT LOCALLY



LOCAL PERMANENT JOBS³
Multiple jobs will be created



CONSTRUCTION JOBS³
400+ jobs will be created

Energy security

Power generated at Black Prairie will support the state of Indiana's electric grid. The solar site will also contribute to the **national energy security for the United States**, helping diversify domestic supply.

Solar as a neighbor

Solar projects are essentially silent neighbors designed to capture light while not producing glare, and the vegetation maintained beneath the panels helps keep temperatures cool for the surrounding environment.⁴

Solar panel technology

EDPR NA's solar panels are made up of a thin layer of solar PV cells sealed on both sides. **Panels contain no liquids and do not pose a risk to the environment or human health.**



Black Prairie's environmental impact

The solar site will save more than **254 million gallons** of water each year and will prevent the air pollution that causes smog and acid rain.⁵

EDPR NA's impact in North America from solar energy⁶



\$41.8 million
PAID TO
LANDOWNERS



\$16 million
PAID TO LOCAL
GOVERNMENTS



4,400
CONSTRUCTION
JOBS CREATED

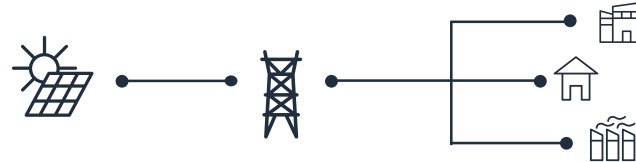


100
PERMANENT
JOBS CREATED

How solar energy works

EDPR NA 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 put on the electrical grid through a substation after being converted to the proper voltage.

Power grid



Solar is one of the cheapest forms of energy.⁷

The cost of solar has fallen 71% in 10 years.⁸

Local experience with EDPR NA

“The tax revenue that’s coming in from these projects is helping everybody in the community; the local townships, the fire and safety, the schools, and the local units. We’re able to upgrade roads that we wouldn’t have had the tax dollars to do before. You’re going to be hard pressed in this county to find a negative side to what’s happened with us here.”



Steve B., Landowner and Former White County Commissioner, Indiana

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 25% capacity factor. Household consumption based on the 2023 EIA Household Data monthly average consumption by state.

² Assumes utility fixed-tilt projects are \$1.02/Wdc, and single-axis tracking projects are \$1.11/Wdc. Based on Q3 2023 SEIA U.S. Solar Market Insight.

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

⁴ American Clean Power Association, Solar as a neighbor, 2021.

⁵ Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

⁶ Based on EDP Renewables North America's Operational Solar Parks through 2024.

⁷ Lazard's Levelized Cost of Energy 2024 (version 17.0)

⁸ Based on American Clean Power Associations Annual Market Report, 2023.

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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