



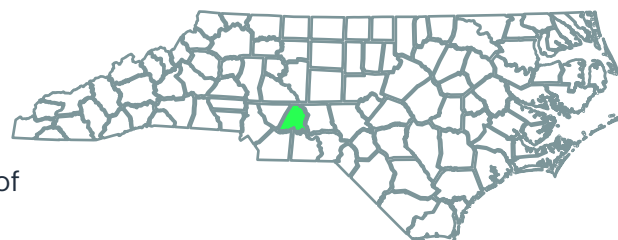
Misenheimer Solar Park

Stanly County, North Carolina

⚡ Installed capacity: **74 MW**

🏠 Estimated commercial operation: **2024**

🏠 Generation will be equivalent to the average consumption of more than **12,000 North Carolina homes**.¹



Misenheimer Solar Park is located in the Village of Misenheimer in Stanly County, North Carolina. The town is known for its educational institutions and its historical significance for tourism. The solar park will complement the area's agricultural resources with a stable cash crop in the form of landowner lease payments.

Economic benefits



\$81.2+ million
TOTAL PROJECT IMPACT²



Millions of dollars
PAID TO LOCAL GOVERNMENTS⁴



\$1.2 million
PAID TO LANDOWNERS³



\$80 million
SPENT LOCALLY⁵



PERMANENT JOBS⁶
2 jobs created



CONSTRUCTION JOBS⁶
185+ jobs created

Energy security

Power generated at Misenheimer supports the state of North Carolina's electric grid. The solar park also contributes 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 mitigate the possibility of heat increases.⁷

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 or materials that pose a risk to the environment or human health.**



Misenheimer's environmental impact

The solar park saves more than **93 million gallons** of water each year and prevents the air pollution that causes smog and acid rain.⁸

EDPR NA's impact in North America from solar energy⁹



\$41.8 million

PAID TO
LANDOWNERS



\$16 million

PAID TO LOCAL
GOVERNMENTS



4,400

CONSTRUCTION
JOBS CREATED



100

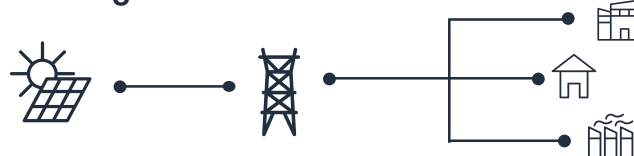
PERMANENT
JOBS CREATED



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.¹⁰

The cost of solar has fallen 71% in 10 years.¹¹

Local experience with EDPR NA

“After the solar farm checks started coming in, I purchased more land and started a tree nursery. When you show the lenders this fixed income you have coming in, your credit rating goes up, as well as your borrowing power so you can expand your business and farm.”



Walt P., Landowner, South Carolina

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 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, Solar as a neighbor, 2021.

⁸ Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

⁹ Based on EDP Renewables North America's operational solar parks through 2024.

¹⁰ Lazard's Levelized Cost of Energy 2024 (version 17.0)

¹¹ American Clean Power Association's 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.

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