



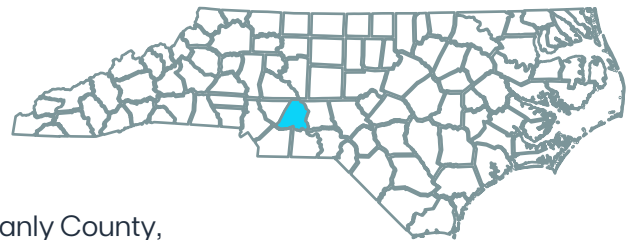
Misenheimer Solar

Stanly County, North Carolina

⚡ Installed capacity: **74 MW**

🏠 Online since: **2023**

🏠 Homes powered: **12,500 North Carolina homes¹**



Misenheimer Solar 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 site will complement the area's agricultural resources with a stable cash crop in the form of landowner lease payments.



\$2 billion
Total project impact



\$340,700
Revenue for public services



\$1 million
Revenue for landowners



\$2 billion
Local spending



2
Permanent jobs



199
Construction jobs

Energy security

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

Solar as a neighbor

Solar projects are designed to **capture light silently and without producing glare**. The vegetation maintained beneath the panels helps mitigate heat.²

Solar panel technology

EDPR NA's solar panels consist of a thin layer of photovoltaic cells sealed on both sides, containing no liquids and **posing no risk to the environment or human health**.



Misenheimer's environmental impact

This project will conserve over **93.9 million gallons** of water annually and reduce air pollution linked to smog and acid rain.³



EDPR NA: Powering North America with solar energy⁴



850,000
Homes powered



\$47.6 million
Revenue for
landowners



\$31 million
Revenue for
public services

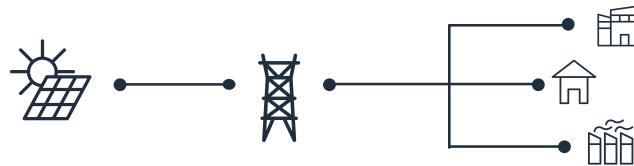


4,900 jobs
Permanent &
construction



How solar energy works

EDPR NA uses photovoltaic (PV) solar cells, which convert sunlight directly into electricity. The resulting direct-current electricity is then collected, converted to alternating current, adjusted to the proper voltage, and delivered to the electrical grid.



Solar has become one of the most **affordable forms of energy**, with costs falling 71% over the past decade.^{5,6}

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 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 2024 EIA Household Data monthly average consumption by state.

² American Clean Power Association, Solar as a neighbor, 2021.

³ Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

⁴ Based on EDP Renewables North America's operational solar sites through 2025.

⁵ Lazard's Levelized Cost of Energy 2024 (version 17.0)

⁶ Based on 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, 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.

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