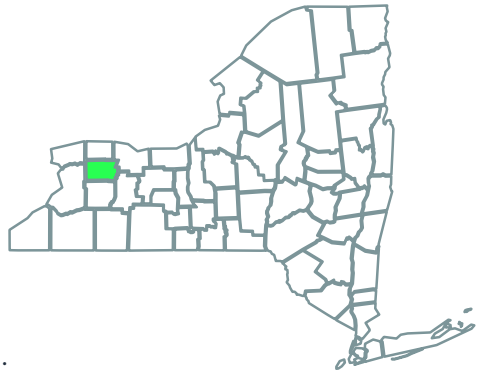
Alabama Solar Park

Genesee County, New York

Installed capacity: **130 MW**

Estimated commercial operation: **2028**

Generation will be equivalent to the average consumption of more than **40,000 New York homes**.[1]



Alabama Solar Park will be located in northwestern Genesee County, New York, with facilities located in the towns of Alabama, Oakfield, and Batavia. Land agreements totaling 2,000 acres have been signed, with approximately 550 acres that will be utilized for solar energy infrastructure.

Economic benefits

$117+ million
CAPITAL INVESTMENT[2]

$25 million
WILL BE PAID TO LOCAL GOVERNMENTS

$65 million
WILL BE PAID TO LANDOWNERS

Millions of dollars
WOULD BE SPENT LOCALLY

PERMANENT JOBS[3]
4 jobs would be created

CONSTRUCTION JOBS[3]
250 jobs would be created

Energy security

Power generated at Alabama Solar would support the state of New York's electric grid. The solar park would 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.**

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

Alabama Solar's environmental impact

The solar park would save more than **165 million gallons** of water each year and would prevent the air pollution that causes smog and acid rain.[5]

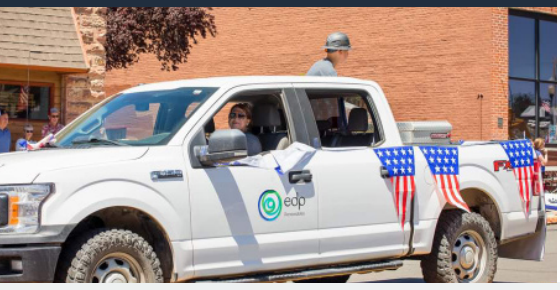
EDPR NA's impact in North America from solar energy[6]

$41.8 million
PAID TO LANDOWNERS

$16 million
PAID TO LOCAL GOVERNMENTS

4,400
CONSTRUCTION JOBS CREATED

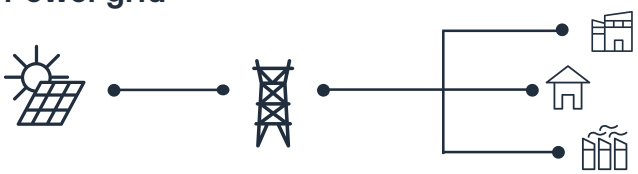
100
PERMANENT JOBS CREATED



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

"EDPR fits in with the town. They are community-oriented. Their employees are people who have also lived here a long time, so they want to see the whole community be a success."

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 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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