



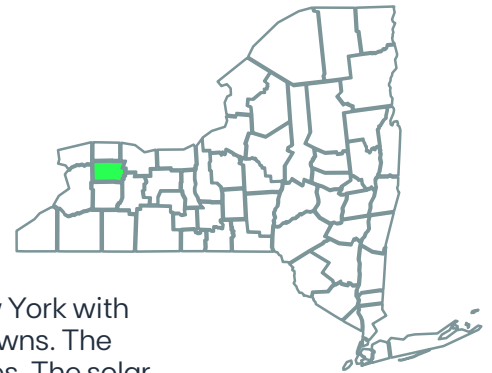
# Alabama Solar Park

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**.<sup>1</sup>



Alabama Solar Park will be located in northwestern Genesee County, New York with a focus in the Town of Alabama and adjacent properties in surrounding towns. The fence around the solar panels is anticipated to be approximately 940 acres. The solar park will complement the area's agricultural resources, providing farmers with a stable, drought-resistant cash crop in the form of landowner lease payments.

## Economic benefits



**\$117+ million**  
CAPITAL INVESTMENT<sup>2</sup>



**Millions of dollars**  
WOULD BE PAID TO LOCAL  
GOVERNMENTS



**Millions of dollars**  
WOULD BE PAID TO LANDOWNERS



**Millions of dollars**  
WOULD BE SPENT LOCALLY



PERMANENT JOBS<sup>3</sup>  
**4 jobs would be created**



CONSTRUCTION JOBS<sup>3</sup>  
**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 mitigate the possibility of heat increases.<sup>4</sup>

### 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.**



## 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.<sup>5</sup>

## EDPR NA's impact in North America from solar energy<sup>6</sup>



**\$41.8 million**

PAID TO LANDOWNERS



**\$16 million**

PAID TO LOCAL GOVERNMENTS



**4,400**

CONSTRUCTION JOBS CREATED



**100**

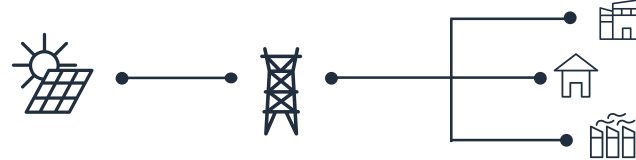
PERMANENT JOBS CREATED



## 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.<sup>7</sup>**

The cost of solar has fallen 71% in 10 years.<sup>8</sup>

## 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*



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<sup>1</sup> Power generation calculated using a 25% capacity factor. Household consumption based on the 2023 EIA Household Data monthly average consumption by state.

<sup>2</sup> 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.

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

<sup>4</sup> American Clean Power Association, Solar as a neighbor, 2021.

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

<sup>6</sup> Based on EDP Renewables North America's Operational Solar Parks through 2024.

<sup>7</sup> Lazard's Levelized Cost of Energy 2024 (version 17.0)

<sup>8</sup> 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, 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](http://www.edprnorthamerica.com).

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