



# Pleasantville Solar

Fulton County, Illinois

⚡ Installed capacity: **150 MW**

🏠 Online since: **2025**

🏠 Generation will be equivalent to the average consumption of more than **38,000 Illinois homes**.<sup>1</sup>



Pleasantville Solar will be a solar power generation facility that will provide affordable, reliable energy to the power grid through the Midcontinent Independent System Operator (MISO) utility system. The solar park will be located in Fulton County, Illinois and will complement the area’s agricultural land use.

## Economic benefits



**\$234 million**  
CAPITAL INVESTMENT<sup>2</sup>



**\$31.6 million**  
WILL BE PAID TO LOCAL GOVERNMENTS



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



**Millions of dollars**  
WILL BE SPENT LOCALLY



PERMANENT JOBS<sup>3</sup>  
**5+ jobs will be created**



CONSTRUCTION JOBS<sup>3</sup>  
**300 jobs will be created**

### Energy security

Power generated at Pleasantville will support the state of Illinois’ electric grid. The solar park 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 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 and do not pose a risk to the environment or human health.**



## Pleasantville's environmental impact

The solar park will save more than **190 million gallons** of water each year and will 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 is a very trustworthy company. Over the 10 years our project has been operating, everything they've said has been true.”



*Tim E., Business Owner and Tenant Farmer, Illinois*

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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 170)

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

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