



## PEARL RIVER SOLAR PARK



# Pearl River Solar

Scott County, Mississippi

⚡ Installed capacity: **175 MW**

🏠 Online since: **2024**

🏠 Homes powered: **27,600 Mississippi homes<sup>1</sup>**

Pearl River Solar is located in the heart of Mississippi in a rural area primarily used as timber land. The project is close to the Bienville National Forest, historic Natchez Trace Trail, Ross Barnett Reservoir, and the Pearl River which flows into the reservoir. Pearl River is one of the largest solar sites by generation capacity in the state of Mississippi.



**\$4 million**

Total project impact



**\$2 million**

Revenue for public services



**\$255,700**

Revenue for landowners



**\$1 million**

Local spending



**8**

Permanent jobs



**657**

Construction jobs

### Energy security

Power generated at this site will **strengthen Mississippi'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.<sup>2</sup>

### 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**.



## Pearl River's environmental impact

This project will conserve over **222 million gallons** of water annually and reduce air pollution linked to smog and acid rain.<sup>3</sup>



## EDPR NA: Powering North America with solar energy<sup>4</sup>



**850,000**  
Homes powered



**\$47.6 million**  
Revenue for  
landowners



**\$31 million**  
Revenue for  
public services

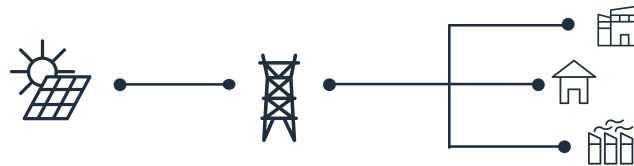


**4,900 jobs**  
Permanent &  
construction



## 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.<sup>5,6</sup>

## Local experience with EDPR NA

“In terms of what you can do with your land, I think clean power is a very attractive option. It's really neat to put something like food on the table for the American people, as well as power in the homes of people in these local communities.”

*Joe R. Jr., Business owner, Ohio*



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<sup>1</sup> Power generation calculated using a 25% capacity factor. Household consumption based on the 2024 EIA Household Data monthly average consumption by state.

<sup>2</sup> American Clean Power Association, Solar as a neighbor, 2021.

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

<sup>4</sup> Based on EDP Renewables North America's operational solar sites through 2025.

<sup>5</sup> Lazard's Levelized Cost of Energy 2024 (version 17.0)

<sup>6</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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