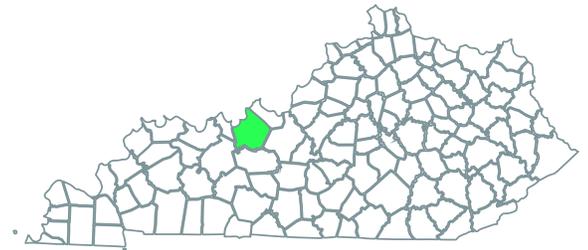




# New Frontiers Solar

Breckinridge County, Kentucky

- Installed capacity: **100 MW**
- Estimated commercial operation: **2026**
- Generation would be equivalent to the average consumption of more than **16,600 Kentucky homes.**<sup>1</sup>



New Frontiers Solar would be located in Breckinridge County, Kentucky, near the town limits of Hardinsburg. The privately owned land that the solar site would occupy has historically been used for farming or cattle grazing. This solar site project would mark EDPR NA’s first solar park located in the state of Kentucky.

## Economic benefits



**\$200 million+**  
CAPITAL INVESTMENT<sup>2</sup>



**Approximately \$7 million**  
WOULD BE PAID TO LOCAL GOVERNMENTS



**\$35 million**  
WOULD BE PAID TO LANDOWNERS



**Millions of dollars**  
WOULD BE SPENT LOCALLY



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



CONSTRUCTION JOBS<sup>3</sup>  
**250–300 jobs would be created**

### Energy security

Power generated at New Frontiers would support the state of Kentucky’s electric grid. The solar site 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.**



## New Frontier's environmental impact

The solar site would save more than **177 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

“ 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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▶ *Scan the QR Code using the camera on your mobile device.*



<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 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, and eight regional offices across North America, EDPR NA has developed more than 12,800 megawatts (MW) and operates more than 12,100 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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