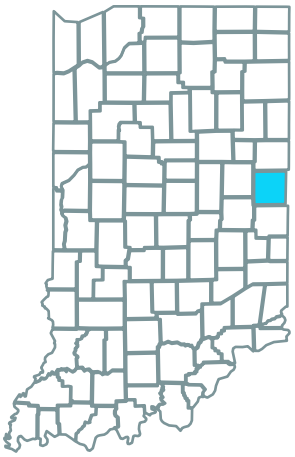
Riverstart Solar

Randolph County, Indiana

Installed capacity: **450 MW**

Online since: **2023**

Generation will be equivalent to the average consumption of more than **91,149 Indiana homes**.[1]



Riverstart Solar consists of three phases and is located approximately 80 miles northeast of Indianapolis in eastern Indiana. Located entirely within Randolph County, the solar site complements the area's agricultural resources with a stable, weather resistant cash crop in the form of landowner lease payments.

Economic benefits

$150 million
TOTAL PROJECT IMPACT[2]

Millions of dollars
PAID TO LOCAL GOVERNMENTS[4]

$8.7 million
PAID TO LANDOWNERS[3]

$139 million
SPENT LOCALLY[5]

PERMANENT JOBS[6]
14 jobs created

CONSTRUCTION JOBS[6]
798 jobs created

Energy security

Power generated at Riverstart Solar would support the state of Indiana'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 keep temperatures cool for the surrounding environment.[7]

Solar panel technology

EDPR NA's solar panels are made up of a thin layer of solar PV cells sealed on both sides. **Panels do not contain liquids and do not pose a risk to the environment or human health.**

All economic data reflects the estimated amount through 2025.

Riverstart's environmental impact

The solar site saves more than **571 million gallons** of water each year and prevents the air pollution that causes smog and acid rain.[8]

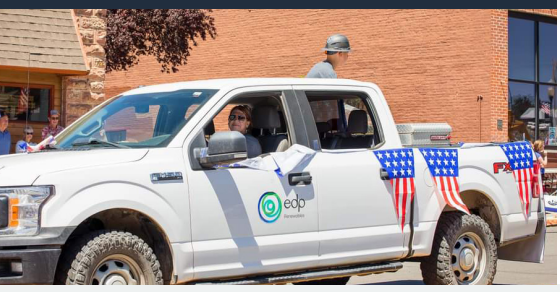
EDPR NA's impact in North America from solar energy[9]

$41.8 million
PAID TO LANDOWNERS

$16 million
PAID TO LOCAL GOVERNMENTS

4,400
CONSTRUCTION JOBS CREATED

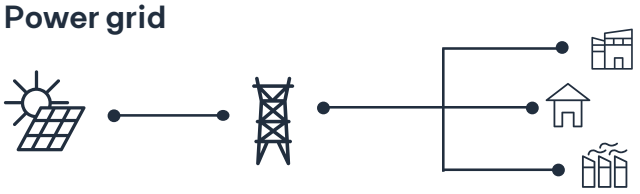
100
PERMANENT JOBS CREATED



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.[10]

The cost of solar has fallen 71% in 10 years.[11]

Local experience with EDPR NA

"The tax revenue that's coming in from these projects is helping everybody in the community; the local townships, the fire and safety, the schools, and the local units. We're able to upgrade roads that we wouldn't have had the tax dollars to do before. You're going to be hard pressed in this county to find a negative side to what's happened with us here.

Steve B., Landowner & Former White County Commissioner, IN

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 2024 EIA Household Data monthly average consumption by state.

[2] Includes vendor spending, property taxes, and landowner payments through 2025.

[3] Cumulative landowner payments through 2025.

[4] Cumulative local government payments through 2025.

[5] Cumulative local vendor spending including payments to contractors, suppliers, and service companies, as well as donations within 50-miles of the project area through 2025.

[6] Full-time equivalent jobs calculated by dividing number of contractor hours worked during construction by 2080.

[7] American Clean Power Association, Solar as a neighbor, 2021.

[8] Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

[9] Based on EDP Renewables North America's operational solar parks through 2024.

[10] Lazard's Levelized Cost of Energy 2024 (version 17.0)

[11] 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.**

Riverstart Solar
Operations & Maintenance Office

130 S 100 E
Winchester, IN 47394

713.997.7259
RiverstartSolar@edpr.com