



Las Camas Solar & Energy Storage

Merced County, California

 Installed capacity: **200 MW + 200 MW/800 MWh Storage**

 Estimated commercial operation: **2028**

Homes powered: **169,000 California homes¹**

Las Camas Solar & Energy Storage will be located west of the city of Los Banos, due south of the community of Santa Nella and adjacent to the I-5/Highway 33 Interchange. The project site was selected for its strong solar resource, access to transmission lines, and gently sloping, undeveloped terrain.



\$330 million
Capital investment



\$927,000
Revenue for public services



Millions of dollars
Revenue for landowners



Millions of dollars
Local spending



Up to 7
Permanent jobs



Up to 350
Construction jobs

Energy security

Domestic power generated at the site will **bolster California's electric grid while strengthening national energy security**. The energy storage will deliver flexible, on-demand power when and where it's needed most.

Environment and solar energy storage projects

Energy storage facilities are **designed to release no pollutants** into the air, soil, or waterways. Solar panels **contain no liquids and pose no risk** to the environment or human health.

Energy storage safety

Lithium-ion batteries used in energy storage are already a part of daily life — found in cell phones, laptops, and power tools. These facilities are highly regulated to ensure the safety of neighbors and communities.



Las Camas' environmental impact

The solar and energy storage site will save more than **423 million gallons** of water each year and will prevent the air pollution that causes smog and acid rain.²

EDPR NA's impact in North America from solar energy³



850,000+

Homes powered



\$45.7 million

Revenue for landowners



\$30.4 million

Revenue for public services



4,900 jobs

Permanent & construction

How is energy storage useful?



Reduces outages & enhances resilience



Reduces costs and saves money



Builds a stronger, more efficient grid

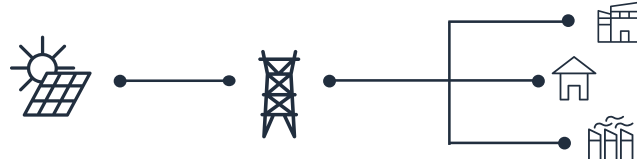


Supports local economies

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.⁴

The cost of solar has fallen 71% in 10 years.⁵

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



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.

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¹Solar power generation calculated using a 25% capacity factor. The cost and performance of the battery systems are based on an assumption of approximately one cycle per day. Therefore, a 4-hour device has an expected capacity factor of 16.7% (4/24 = 0.167). Household consumption based on 2024 EIA Household Data monthly average consumption by state. This assumes that all energy is stored from a renewable source and discharged at the grid average.

² Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016. This assumes that all energy is stored from a renewable source and discharged at the grid average.

³ Based on EDP Renewables North America's Operational Solar Parks through 2025.

⁴ Lazard's Levelized Cost of Energy 2024 (version 17.0)

⁵ Based on American Clean Power Associations Annual Market Report, 2024.

About us

EDP Renewables North America LLC (EDPR NA), its affiliates, and its subsidiaries develop, construct, own, and operate wind farms, solar parks, and energy storage systems 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.

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