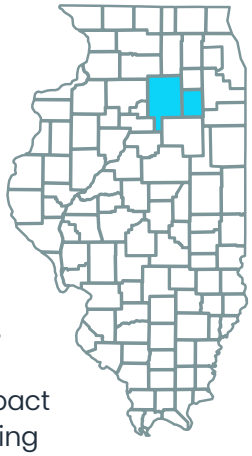
Top Crop I & II Energy Storage

Grundy and/or LaSalle Counties, Illinois



- Installed capacity: **100 MW/400 MWh**
- Commercial operation: **2029**
- Homes powered: **17,500 Illinois homes**[1]

Top Crop Energy Storage I & II represents an expansion of EDP Renewables North America's energy infrastructure in Grundy and/or LaSalle Counties, Illinois. Once online, these projects will share some of the existing electrical infrastructure from Top Crop Wind I & II. The low impact batteries will provide additional storage capacity for the utility and system operators by storing electricity from any energy source and delivering it to surrounding communities when needed.

Economic benefits

$9 million
Revenue for public services

$140 million
Capital investment

Millions of dollars
Local spending

2–3 jobs created
Permanent

50 jobs created
Construction

Energy security

Energy storage at the site will support **Illinois' electric grid while contributing to national energy security** by providing flexible, on-demand power.

Environment and energy storage

Energy storage facilities are designed to release no pollutants into the air, soil, or waterways. Like the batteries found in everyday handheld devices, **lithium-ion batteries emit no electromagnetic fields and contain no radioactive materials**.

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.**

All economic data reflects the estimated amount throughout the life of the project.

Top Crop's environmental impact

This project will conserve **over 84 million gallons** of water annually and reduce air pollution linked to smog and acid rain.[2]

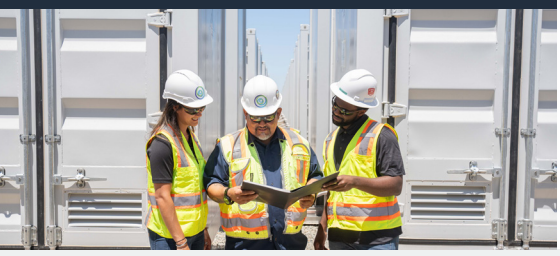
Energy storage: resilient, reliable, flexible

Reduces outages & enhances resilience

Reduces costs and saves money

Builds a stronger, more efficient grid

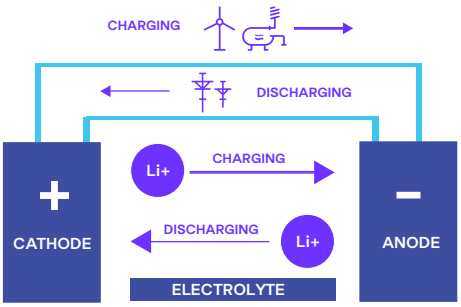
Supports local economies



How energy storage works

Energy storage enhances grid reliability, reduces costs, and strengthens overall resilience.

The most common electrochemical storage method is the lithium-ion battery — similar to those powering everyday cell phones and laptops. Energy storage systems are fuel-neutral, meaning they can capture and dispense electricity from a wide range of sources, including oil, gas, coal, nuclear, geothermal, and EDPR NA's own wind and solar projects.



Energy storage enhances reliability, reduces costs, and increases grid resilience.

Grid stability

Energy storage systems capture excess electricity from the electric grid during off-peak periods and release it during times of high demand — including extreme weather events when power generation may be limited. By keeping the power on, maintaining heating and cooling systems, and supporting medical equipment and other critical infrastructure, energy storage helps protect communities when they are most vulnerable.

Scan the QR Code to explore educational resources on renewables and how we are empowering local economies, as well as meeting the energy demand of today.

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

[1]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 2023 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.

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**

Top Crop Wind Operations & Maintenance Office

111 Watters Drive
Dwight, IL 60420

713.817.3476
caitlin.aquila@edp.com