

# MIDWATER BATTERY ENERGY STORAGE SYSTEM

## Freeborn County, Minnesota

### 150MW Battery Energy Storage System | Freeborn County, Minnesota

#### What is a BESS?

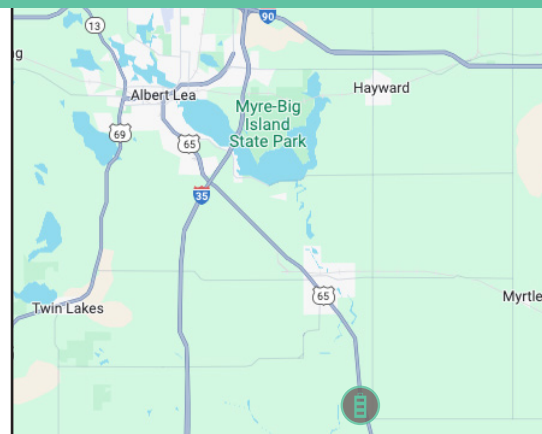
A battery energy storage system (BESS) stores energy from the grid or renewable sources like solar and wind. It enables energy to be dispatched when demand exceeds supply or during outages, enhancing grid resilience. By storing surplus energy and releasing it during peak times, BESS helps balance supply and demand and supports grid stability. Its role is critical in modernizing the grid and improving energy reliability.

#### Benefits of BESS

BESS are key to maintaining a reliable and affordable supply of electricity to homes and businesses. A BESS can respond instantly to stabilize the grid at any time, which provides better reliability and lower costs for consumers compared to some traditional generators.

#### Project Decommissioning

- At the end of the project's life the project will be decommissioned in accordance with the project's decommissioning plan
- All project infrastructure will be removed and sold, recycled, or otherwise disposed of and the site restored
- Midwater will submit a Decommissioning Plan to the State of Minnesota as part of the project permitting process; a decommissioning bond (or similar) will also be posted to ensure adequate funds remain available during the life of the project



#### About the Project

The Midwater Battery Project will be sited on 10-20 acres of privately owned land adjacent to the Glenworth Substation location off Minnesota Hwy 65. The site will not be visible from any occupied dwellings due to the existing natural vegetative screening to the North and East.

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## Community Benefits:

A BESS adds value to local economies and levelizes energy costs for consumers. This Project will:

- Generate tax payments annually to local taxing entities
- Support economic growth by supporting increased energy supply
- Stabilize grid power, making energy more reliable, consistent and affordable

## BESS Safety:

We design our projects with safety in mind.

- We carefully select our suppliers to ensure the BESS equipment we use is compliant with current industry codes and standards for safe manufacturing, construction, installation, and operation
- Midwater will coordinate with the local fire department and first responders and prepare a project specific Emergency Response Plan to ensure local responders are able to best respond in the unlikely event of an emergency at the site
- The system is monitored 24/7 to help ensure safe operations
- Liquid cooled thermal management system
- Internal smoke and heat detection sensors
- Internal gas detection sensors with active ventilation
- Integrated deflagration systems sized using UL9540A testing results
- Corrosion resistant enclosures act as physical containment and protection

## About Us:

Midwater Battery Storage is a project being developed by Spearmint Energy. Spearmint was launched by a team of American electric utility and energy industry veterans who are committed to bringing the benefits of battery energy storage to communities across the United States.

