

SNOWSHOE BATTERY ENERGY STORAGE SYSTEM

Olmsted County, Minnesota

150MW Battery Energy Storage System | Olmsted County, Minnesota

What is a BESS?

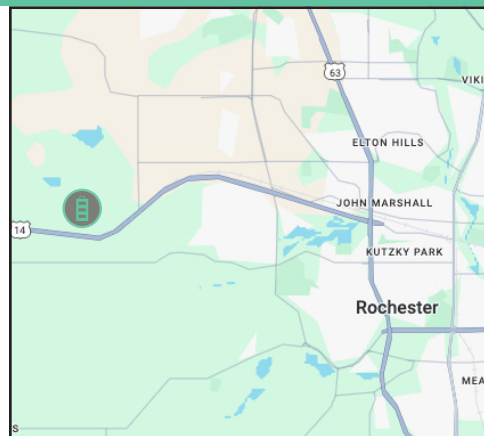
A battery energy storage system (BESS) stores excess electricity from the power grid and delivers that electricity when it is needed. The BESS is not connected to any specific power plant or generator, but uses the same mix of energy sources that serves the local grid. BESS enable energy to be dispatched when demand exceeds supply or during outages, enhancing grid resilience. By storing surplus energy and releasing it during peak times, BESS help balance supply and demand and support grid stability. BESS play a critical role in modernizing the grid and improving energy reliability now and for the future.

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 Snowshoe Battery Project will be sited on 10-15 acres of privately owned land adjacent to the Maple Leaf Substation. The site location's slope and existing natural vegetation to the South (parallel to HWY 14) will provide some screening to homes and the nearest roadway.

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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
 - The system is monitored 24/7 to help ensure safe operations
 - 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
- 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

About Us:

Snowshoe 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.

