ENERGY STORAGE COALITION

POWERING AMERICA'S GRID

Uniting America's Energy Storage Industry

The Coalition advances policies and solutions to ensure grid reliability amidst historic demand for power, lower energy costs for all Americans, strengthen grid capacity to support new industrial and AI infrastructure, and rapidly scale American manufacturing and minerals production.

REPRESENTING THE ENERGY STORAGE INDUSTRY

An American Supply Chain from End-to-End

The American energy storage industry includes companies that drive every aspect of deploying this vital technology, from mining critical minerals to manufacturing, developing, building and operating battery storage facilities. This coalition will give the industry a unique voice to advance solutions that strengthen our power grid, cut costs for families and businesses, and expand American manufacturing and critical mineral leadership.

Producing and refining critical minerals as feedstock for battery manufacturing, including sourcing domestic lithium and using petroleum refining byproducts to make synthetic graphite.

Grid battery manufacturing is driving billions of dollars of investment in factories across the United States, from Nevada to Michigan. These state-of-the-art facilities are providing thousands of new jobs.

Fabricating and building energy storage projects to quickly build new energy infrastructure and supply new power to meet industrial and data center needs.

Operating and maintaining energy storage as power infrastructure to support power plants and transmission, boosting reliability and lowering costs.

Photo credit: Tesla

Photo credit: Fluence

American Electric Power · aes · Alliant Energy · AREVON · Clearway Energy · DTE · Dominion Energy · East Point Energy (An Equinor Company)

ENGIE · eolian · ExxonMobil · FLUENCE (A Siemens and AES Company) · Form energy · GE VERNOVA · IEA · Intersect

Invenergy · LG Energy Solution Vertech · MasTec (Infrastructure that Delivers) · Mortenson · REV Renewables · TESLA

Priorities of the U.S. Energy Storage Coalition

1. Supercharge Grid Reliability & American Energy Dominance

As America's demand for electricity rises at historic rates, energy storage is strengthening grid reliability. As the fastest growing source of dispatchable and flexible power, energy storage can be quickly brought online to support all types of energy sources. Energy storage resources are designed to solve reliability challenges, and the Coalition is committed to expanding the deployment of energy storage to power our homes and our economy.

2. Lower Energy Costs For Families & Businesses

Energy storage has helped communities save billions in energy costs while preventing blackouts and navigating extreme stress on the grid and adverse weather events. Energy storage enhances all power generation, whether smoothing and firming renewable power or optimizing the efficiency of thermal power plants, energy storage plays a unique role ensuring that Americans have power when they need it most. The U.S. Energy Storage Coalition is committed to advancing policies and solutions that lower costs.

3. Rapidly Deploy Power Infrastructure To Win The AI Race

The U.S. is competing in a global race for artificial intelligence, powered by a network of new data centers that consume massive amounts of energy. As the nation invests in artificial intelligence and data center infrastructure, energy storage resources have played an important role providing consistent and reliable power to these new facilities as both on-site back up power and as an expansion of the broader electric grid's capabilities. The U.S. Energy Storage Coalition will partner with policymakers and the data center industry to ensure our grid can supply the power it needs to win the AI race.

4. Build Factories For American-Made Grid Batteries

The U.S. Energy Storage Coalition is committed to making America the global leader in grid battery manufacturing. In April 2025, the energy storage industry announced a commitment to invest $100 billion into building and buying American-made batteries. This commitment is expected to generate more than 350,000 jobs and set the nation on a pathway to meet 100% of domestic demand for grid batteries by 2030. From Texas and Nevada to Michigan and Tennessee, grid battery factories are a critical new aspect of America's industrial might and a key part of America's ongoing manufacturing renaissance. These investments will also fuel expansion of U.S. critical mineral capacity and create additional markets for key American energy products, including the use of petroleum byproducts for battery components.

Photo credit: Recurrent Energy

Energy Storage is Transforming America's Power Grid

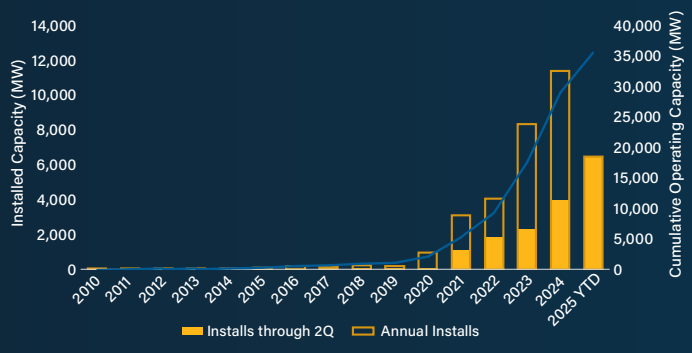
Energy Storage is the Fastest Growing Source of Flexible, Dispatchable Power

Since free-market electricity reforms issued under the Trump Administration in 2018, grid battery deployment has scaled more than 25x, with 35 gigawatts (GW) of battery capacity now connected. Grid battery capacity is expected to double by 2027 and quickly surpass 100 GW – enough to power more than 75 million homes and thousands of new data centers.

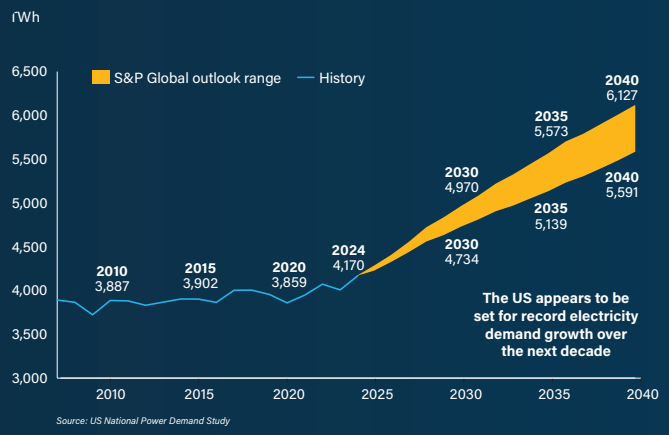
Meeting Rising Demand with Flexible, Dispatchable Power

Electricity demand in the United States is projected to surge by an unprecedented amount over the coming decade. Data indicates that electricity demand could expand 35-50% by 2040. This is primarily due to a surge in data centers and AI infrastructure, as well as new manufacturing and industrial factories.

Dispatchable Power



US Lower 48 Net on Grid Electricity Demand



Source: US National Power Demand Study

> "Battery resource additions are helping reduce energy shortfall risks. In Texas, California, and across the U.S. West, the influx of battery energy storage systems (BESS) in recent years has markedly improved the ability to manage energy risks during challenging summer periods."
>
> North American Electric Reliability Council, a not-for-profit regulatory authority whose mission is to assure the effective and efficient reduction of risks to the reliability and security of the grid. Read the NERC 2025 Summer Reliability Report here.

Energy Storage Maximizes American Power Plant Capacity

Battery energy storage is uniquely prepared to boost power production and support America's power plants, including currently operating gas and coal plants and new natural gas generation. In Texas, energy storage resources have freed up reserve natural gas facilities to provide baseload power, taking on the role of balancing the grid on a day-to-day basis and responding to fast-changing and fluctuating demand. In this role, batteries boost the performance and capacity of power plants and reduce wear and tear, extending facility lifespans and reducing maintenance costs.

Soldotna, Alaska: Homer Electric installed 46 MW Tesla Megapack system to increase energy capacity along Alaska's rural Kenai Peninsula, providing support to gas turbines and helping to prevent outages.

Photo credit: Tesla