

# U.S. Energy Storage Industry to Invest \$100 Billion in American Grid Batteries



## Industry Commits to Investing \$100 Billion into Building and Buying American-Made Grid Batteries



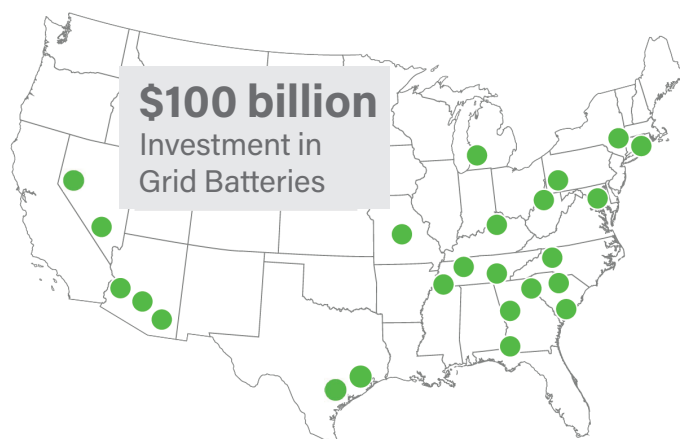
The U.S. energy storage industry is committed to investing more than **\$100 billion in American grid battery manufacturing** and supply chains, including expansion capital for expanding U.S. battery manufacturing facilities and procurement of American-made batteries for domestic energy storage projects. This investment is expected to **create 350,000 jobs** by 2030. Through this investment, the industry is committed to supporting American battery manufacturing leadership, ensuring low-cost, affordable electricity to fuel economic growth and American energy dominance. A pro-business environment, supported by stable tax and trade policy and streamlined permitting, is essential to the industry fulfilling this commitment.

## The Energy Storage Industry is Investing Billions into New or Expanded Grid Battery Manufacturing Facilities

### America could be a Global Leader in Grid Battery Manufacturing

The industry is in the process of building **25 new or expanded manufacturing facilities** to support the grid-scale energy storage market; of these, 11 are now in operation or under construction. The energy storage industry is planning to deliver and expand upon these investments and continue the battery manufacturing boom jump-started by rapid energy storage deployment.

American energy storage companies are leading the expansion of cutting-edge manufacturing facilities across the United States, from the Rust Belt to the Sun Belt. These facilities are producing the energy storage technologies powering the grid.



**FORM FACTORY 1:** represents a \$750 million investment in a former steel mill in Weirton, West Virginia, to manufacture American batteries, creating 750 jobs. Form plans to expand its facility, adding more jobs.



**FLUENCE ESS NETWORK:** manufactures cells, modules, and associated equipment at facilities across the United States, in Utah, Tennessee, Arizona, and Texas, employing more than 1,200 staff, creating 450 construction jobs. Fluence plans to expand in 2025 and 2026.



**TESLA REFINING FACILITY:** a \$1 billion investment in Corpus Christi, Texas resulting in over 1,250 construction and full-time jobs. Tesla also plans to expand its domestic Megapack manufacturing capacity and manufacture cells in Nevada.

Photo credits (left to right): Form Energy, Fluence, Tesla

# Energy Storage Industry Commits to Purchase Billions of Dollars Worth of American-Made Grid Batteries

## U.S. Energy Storage Industry Commits to Buying American Grid Batteries

Each year the demand for American-made grid batteries expands as the deployment of energy storage resources rapidly scales. Energy storage technologies have been and will continue to be a key solution to meeting the needs of rising energy demand, which has led to exponential growth in energy storage deployment and the energy storage construction pipeline over the last decade. This demand for energy storage resources has also fueled the demand for American-made batteries.

With this announcement, the U.S. energy storage industry commits to procuring **tens of billions of dollars worth of American-made grid batteries between now and 2030** to boost our nation's energy security. This commitment reflects the industry's objective of rapidly expanding domestic manufacturing

capacity, building new manufacturing facilities, and creating thousands of jobs producing advanced battery technologies. However, for the industry to meet this commitment to invest in American manufacturing, policy certainty is critical. Without a pro-business policy approach that ensures enough certainty to sustain these significant investments, there is a risk that America loses out on both becoming a global battery manufacturing leader and meeting the economy's rapidly growing energy needs.

*Today's investment commitment aims to advance a manufacturing expansion in the United States that could enable American-made batteries to satisfy 100% of domestic energy storage project demand by 2030.*

## U.S. Battery Energy Storage is Boosting Reliability, Lowering Costs, and Fueling Economic Dominance

### Grid Batteries are Critical to America's Energy Security

Rapid deployment of energy storage has provided vast benefits to American families and businesses as deployed capacity continues to climb. In Texas, energy storage helped the state meet soaring electricity demand and avoid emergency requests for electric customers to conserve energy, even amid historic peak electricity consumption.

Energy storage has been critical in supporting American industrial and technological might, from metals manufacturing to new data centers. In West Virginia, energy storage is helping to provide continuous, affordable power to manufacture titanium for the aerospace industry. In other parts of the country, especially in states like Texas, Arizona, and Virginia, energy storage is helping to provide reliable and affordable power to data centers advancing American dominance in the AI race. Ongoing investment in energy storage technologies remains essential to expanding American manufacturing, data centers, and winning the AI race.

*Analyses show that the recent addition of 5 gigawatts (GW) of energy storage in Texas not only enhanced grid reliability, but also kept electricity costs down for consumers. By releasing stored energy when the grid needed it most, grid batteries contributed to more than **\$750 million** in cost savings for Texans during the Summer of 2024. Similarly, in January of 2024 during a single winter storm event, energy storage worked with natural gas generation to create additional cost savings of more than **\$700 million** for Texas, avoiding costly power outages.*



**POWIN BATTERY SYSTEM POWERS TITANIUM MANUFACTURING:** in West Virginia in partnership with BHE Renewables. The batteries will provide continuous, low-cost power to an aerospace metal manufacturer, supporting new American jobs.



**LG ENERGY SOLUTION EXPANDS MANUFACTURING IN MICHIGAN:** which will provide American-made batteries for energy storage facilities across the country. LG manufactures grid batteries and battery components in facilities across the United States, including Ohio, Tennessee, and Georgia.



**ARIZONA ENERGY STORAGE POWERS NEW DATA CENTER:** developer Ørsted and utility Salt River Project invest \$1 billion in a new energy complex with grid batteries, providing power to a new data center in Mesa, Arizona.

Photo credits (left to right): Powin, LG Energy Solution, Ørsted

# Pro-Business Environment Key to Driving Acceleration and Expansion of American Battery Manufacturing and Supply Chain

## Pro-Business Tax & Trade Policy Can Fuel More Investment, More Jobs in American Manufacturing

Since FERC Order 841 in 2018, battery energy storage deployments have grown by more than 25x, now representing a leading technology for boosting electric grid reliability and keeping energy costs low for families and businesses across America. The ongoing growth in energy storage deployment is driving investment in American battery manufacturing facilities. Cutting red tape and pro-energy production policies will continue to drive the manufacturing investments and jobs creation kick-started by pro-market reforms in 2018. For the industry to fulfill this commitment, stable tax policy and trade and supply chain certainty will be essential.

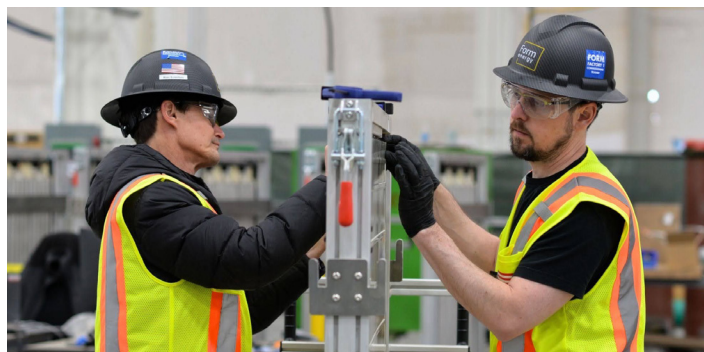
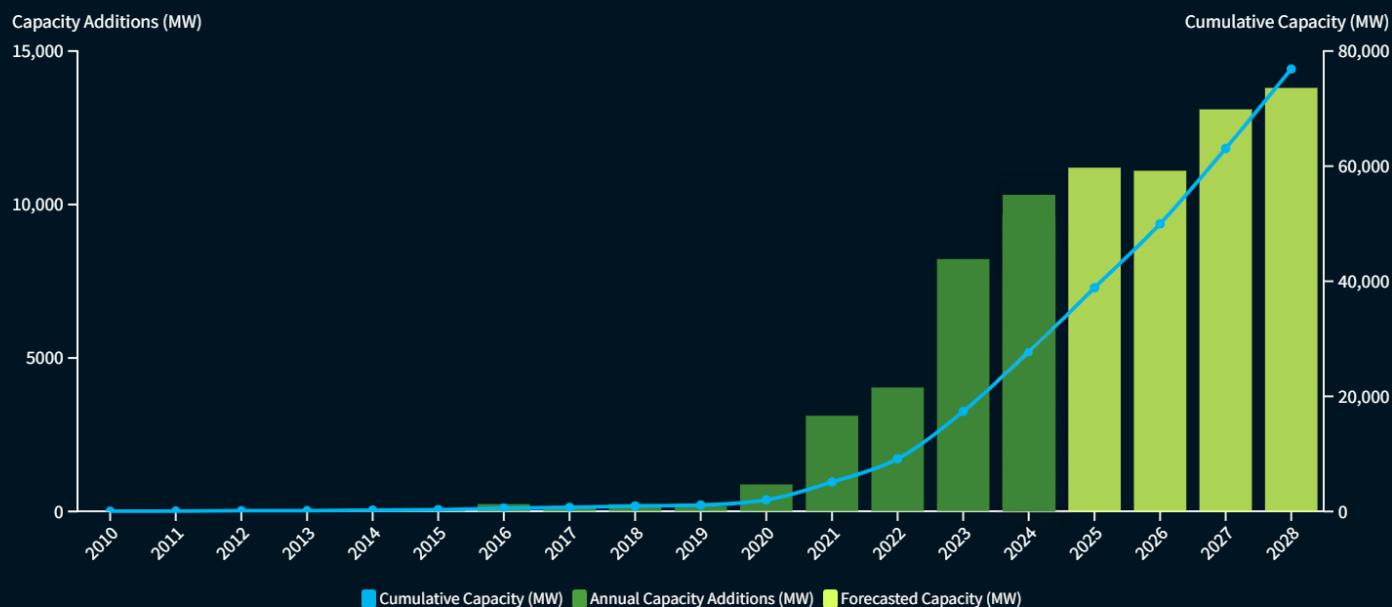


Photo credit: Form Energy

***The U.S. Energy Storage industry is investing billions in new or expanded manufacturing facilities and committed to procuring American-made grid batteries for critical electric grid projects across the country. This commitment to invest \$100 billion in building and buying American grid batteries is expected to generate 350,000 new jobs.***

## Storage by the Numbers

Every new energy storage project represents an investment in American dominance. The near-exponential growth of the sector reflects increasing recognition of energy storage as a critical resource for today and the future, representing a new chapter for the U.S. energy sector. Since 2018, energy storage deployment has grown 25x, scaling to meet historic rising energy demand.



Note: Data from ACP & Wood Mackenzie