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Georgia high-voltage energy storage lithium battery



Overview

The Georgia Public Service Commission (PSC) has signed off on Georgia Power's plans to build 500 megawatts (MW) of battery energy storage across four locations, voting unanimously to certify the utility's Application for Certification on Tuesday. Who sanctioned battery energy storage systems in Georgia?

The systems are sanctioned by the Georgia Public Service Commission through the Integrated Resource Plan. Credit: Georgia Power. US-based electric utility Georgia Power has commenced construction of new battery energy storage systems (BESS) across the state of Georgia, totalling 765MW capacity.

How many battery energy storage sites will Georgia Power have in 2026?

Georgia Power has applied for certification of four battery energy storage sites totaling 500 MW expected to come online in 2026. In a continued effort to limit its use of fossil fuels to mitigate peaks, Georgia Power Company is adding a whole mess of new BESS.

Will Georgia Power offer more battery energy storage projects?

In that filing, Georgia Power signaled its intention to solicit bids for more storage- another 500 MW- in the near future. Battery energy storage projects are popping up all over the U.S., which added nearly 4 GW of storage capacity in the second quarter of this year alone, according to a recent report.

What is Georgia Power's 530-megawatt battery storage system?

Georgia Power breaks ground at the McGrau Ford Battery Facility in Cherokee County on April 4, 2025. This 530-megawatt battery energy storage system will consist of two phases, approved in the 2022 Integrated Resource Plan (IRP) and 2023 IRP Update. Courtesy: Georgia Power.

Could a new cathode improve lithium-ion batteries?

A research team from multiple institutions, led by Hailong Chen of Georgia Tech, has developed a new, cost-effective cathode with the potential to significantly enhance lithium-ion batteries (LIBs), potentially revolutionizing the electric vehicle (EV) market and large-scale energy storage systems.

Could a new iron chloride cathode slash lithium-ion battery costs?

This innovation enhances both performance and sustainability. Credit: SciTechDaily.com Georgia Tech researchers developed a new iron chloride cathode that could slash lithium-ion battery costs and revolutionize electric vehicles and energy storage.

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