

Georgia Phase Change Energy Storage System





Overview

This 57.5-megawatt battery energy storage system, approved in the 2023 Integrated Resource Plan Update, will store excess energy produced during periods when the demand for electricity is lower, for use when the demand is higher, such as on cold winter mornings using the existing retired Plant Hammond transmission infrastructure. 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.

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.

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.

What is the Georgia Power Company Integrated Resource Plan Update 2023?

Earlier this month, Georgia Power Company submitted its 2023 Integrated Resource Plan Update (2023 IRP Update) to the Georgia Public Service Commission, which includes an Application for Certification for four battery energy storage systems totaling 500 MW.

How does Georgia Power work with the Georgia PSC?



Georgia Power continues to work with the Georgia PSC to procure and develop BESS projects across Georgia.

How many MW of new battery energy storage will be available?

An additional 1,000 MW of new battery energy storage is expected to be procured in the coming years through competitive bidding processes and a 13 MW demonstration project is in development at Fort Stewart Army Installation near Savannah, Georgia.



Georgia Phase Change Energy Storage System



[Georgia Power announces 765 MW BESS projects across ...](#)

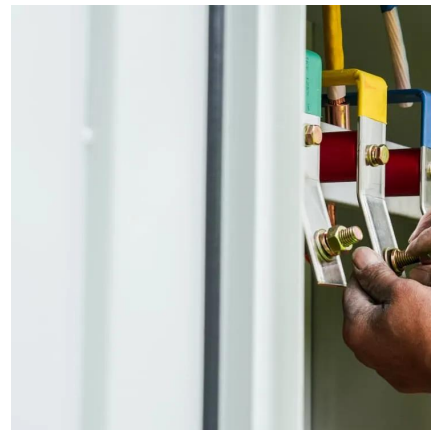
765 MW of battery energy storage systems (BESS) is now under construction as announced by Georgia Power. The facilities will be located in Georgia, specifically, in ...

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[Work begins on Georgia Power battery storage systems](#)

Construction is underway on battery energy storage systems at four locations across the state. One of them is near Moody Air Force Base in Lowndes County.

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Construction now underway on 765 MW of new battery energy ...

Georgia Power announced that construction is underway on 765-megawatts (MW) of new battery energy storage systems (BESS) strategically located across Georgia in Bibb, ...

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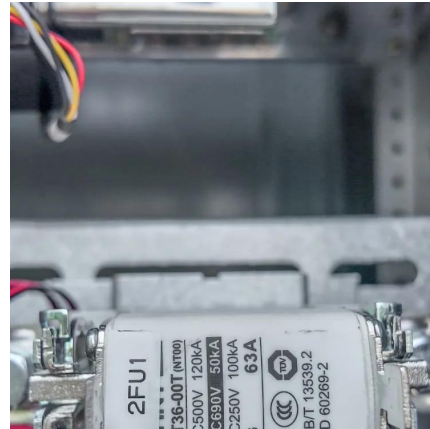
Georgia begins construction on 765 MW battery energy storage systems

The ongoing construction of these battery energy storage systems represents a pivotal moment for



Georgia's transition toward sustainable energy practices while enhancing ...

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Georgia Power advances battery storage projects across Georgia

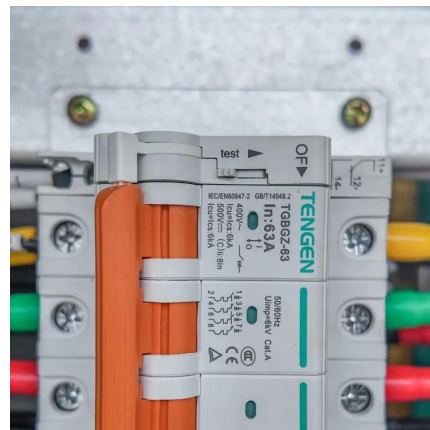
US-based electric utility Georgia Power has commenced construction of new battery energy storage systems (BESS) across the state of Georgia, totalling 765MW capacity.

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[Form Energy, Georgia Power Continue Forward With ...](#)

Battery storage systems part of plan to add renewable energy and help ensure reliability for Georgians Boston, MA - June 12, 2023 - Form ...

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May 9

Georgia Power hosts company and project leaders, as well as local and state elected officials, for a groundbreaking ceremony at the McGrau Ford Battery Facility in ...

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[Georgia Power advances battery storage projects ...](#)

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Georgia Power Begins Construction on 765 MW of Battery Storage ...

Georgia Power has commenced construction on 765 megawatts (MW) of new battery energy storage systems (BESS) across four counties in Georgia, aiming to significantly ...

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[Construction now underway on 765 MW of new ...](#)

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What are phase change energy storage devices?

Phase change energy storage devices are innovative systems that utilize materials capable of absorbing or releasing significant amounts of ...

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Phase change materials for thermal energy storage

A key benefit of using phase change materials for thermal energy storage is that this technique, based on latent heat, both provides a greater density of energy ...

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Here's where Georgia is installing 500 MW of new battery energy storage

Earlier this month, Georgia Power Company submitted its 2023 Integrated Resource Plan Update (2023 IRP Update) to the Georgia Public Service Commission, which ...

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[Georgia Power receives approval on 500MWs BESS projects](#)

The Georgia Public Service Commission (PSC) has verified with Energy-Storage.news that it voted unanimously 3 December, to certify utility Georgia Power's plans to ...

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[Georgia begins construction on 765 MW battery ...](#)

The ongoing construction of these battery energy storage systems represents a pivotal moment for Georgia's transition toward sustainable ...

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Georgia Power Determines Locations for Four Battery Storage ...

Georgia Power has identified locations for 500 MW of new battery energy storage systems (BESS) authorized by the Georgia Public Service Commission (PSC) earlier this year ...

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[Construction now underway on 765 MW of new ...](#)

ATLANTA, May 7, 2025 /PRNewswire/ -- Georgia Power announced today that construction is underway on 765-megawatts (MW) of new battery energy ...

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Utility company announces next-gen facilities capable of powering

Georgia Power recently announced that construction is underway for four new battery energy storage systems in strategic counties across the state to support energy ...

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Phase Change Solutions

Phase Change Solutions is a global leader in temperature control and energy-efficient solutions, using phase change materials that stabilize temperatures across a wide range of applications. ...

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[Georgia Power Begins Construction on 765 MW of Battery ...](#)

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[National Phase Change Energy Storage System Manufacturer](#)

A phase change material (PCM) is a high latent heat material that can be used to store thermal energy and regulate local temperatures. In buildings, PCMs can be used to mitigate and time ...

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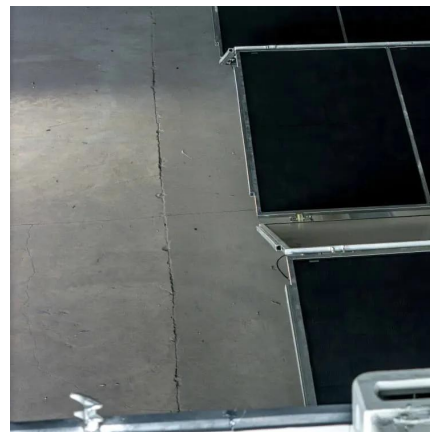
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Low-cost Composite Phase Change Material

Composite thermal batteries: robust low-cost composite phase change energy storage with high transient power. Oak Ridge National Laboratory Invention Disclosure 201804349.

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What is phase change energy storage technology? , NenPower

Phase change energy storage technology refers to systems designed to store and release thermal energy through the phase transitions of certain materials. 1. This technology ...

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Georgia Power announces 765 MW BESS projects across Georgia ...

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[Construction underway on 765MW BESS in Georgia, US](#)

Georgia Power breaks ground at the McGrau Ford Battery Facility in Cherokee County on April 4, 2025. This 530MW battery energy storage system will consist of two ...

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[Construction underway on 765MW BESS in Georgia, US](#)

Georgia Power breaks ground at the McGrau Ford Battery Facility in Cherokee County on April 4, 2025. This 530MW battery energy storage ...

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Phase change material thermal energy storage systems for ...

Utilizing phase change materials (PCMs) for thermal energy storage strategies in buildings can meet the potential thermal comfort requirements when selected properly. The ...

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[Construction underway on 765 MW of new battery ...](#)

Georgia Power and its EPC firms have started construction on 765 MW of new battery energy storage projects across the state.

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[Here's where Georgia is installing 500 MW of new ...](#)

Earlier this month, Georgia Power Company submitted its 2023 Integrated Resource Plan Update (2023 IRP Update) to the Georgia Public ...

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