

JH Solar

Georgia energy storage unit



Overview

Georgia is on track to deploy more than 1GW/4GWh of utility-scale storage by 2027, outpacing every other Southeastern state. Driven by economic growth and evolving grid requirements, Georgia's energy storage sector presents an opportunity worth evaluating. 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.

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.

Does Georgia Power support Customer-Sited solar?

Georgia Power is also committed to supporting customer-sited generation resources to meet the state's growing energy needs. The 2025 IRP includes two customer expansions of BESS programs including enhancements to the Customer Connected Solar Program and launching a new Customer-Sited Solar Plus Storage Pilot.

What does Georgia Power do?

"At Georgia Power, we work with the Georgia PSC and many other stakeholders to make the investments required for a reliable and resilient power grid, integrating new technologies to better serve our customers today and as Georgia grows," said Rick Anderson, senior vice president and senior production officer for Georgia Power.

Is Georgia Power a source of emission-free energy?

Georgia Power's fleet of hydroelectric generating units is another source of emission-free energy, with some units serving the state of Georgia for more than 100 years.

Georgia energy storage unit



Integrated Resource Plan

Georgia Power files an integrated resource plan every three years to outline how we will continue to deliver clean, safe, reliable and affordable energy to customers over a 20-year planning horizon.

Energy Storage , Georgia Center of Innovation

We work closely with Georgia's universities to identify cutting-edge research regarding energy storage and provide companies with access to the latest applied research. We connect ...



PSC approves Georgia Power's long-term energy plan to meet

...

The plan aims to expand renewable energy capacity by procuring up to 4,000 MW by 2035 and integrating over 1,500 MW of battery energy storage systems, enhancing ...

Georgia Profile

2 ???· Georgia Quick Facts The Vogtle nuclear plant in Waynesboro, Georgia, is the nation's largest nuclear power plant, with four reactors that have 4,500 megawatts of combined ...



PSC approves Georgia Power's long-term energy ...

The plan aims to expand renewable energy capacity by procuring up to 4,000 MW by 2035 and integrating over 1,500 MW of battery energy storage systems, enhancing Georgia Power's renewable portfolio.

Construction underway on 765 MW of new battery ...

In total, 765 megawatts (MW) worth of new BESS will be strategically located across Georgia in Bibb, Lowndes, Floyd, and Cherokee counties.



Georgia Power to launch first battery energy storage system on ...

ATLANTA, Oct. 7, 2021 / PRNewswire / -- Georgia Power has received approval from the Georgia Public Service Commission (PSC) to build, own, and operate a new battery energy storage ...

NextEra Energy Resources , Southwest Atlanta ...

Learn more about the Southwest Atlanta Energy Storage, an innovative solar project and capital investment proposed for Fulton County, Georgia.



Georgia Power starts first battery storage plant in state

US utility Georgia Power has brought online its 65-MW/260-MWh Mossy Branch battery energy storage system (BESS), which is expected to improve the resilience of ...

Construction now underway on 765 MW of new ...

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



Georgia Power seeks regulators' approval for 9,900 MW of new energy

The all-source RFP, conducted over the last year between Georgia Power, Georgia PSC staff, and an independent evaluator, set up the selection of the most economical ...

Georgia Power's first battery energy storage system reaches ...

...

The Mossy Branch Battery Energy Storage System (BESS) facility and is a standalone storage unit that connects with and charges directly from the electric grid.



Georgia set to be a leader in energy storage in the Southeast: Georgia

The State of Georgia is positioned to become a leader in battery energy storage in the Southeast with Georgia Power's planned investment to own and operate 80 megawatts ...

Georgia Power's first battery energy storage system reaches ...

...

Georgia Power leaders joined elected officials from the Georgia Public Service Commission (PSC), Georgia legislature, and Talbot and Muscogee counties on Thursday to ...



Georgia Power's plan to support potential data ...

The state's largest electric utility says it needs to significantly increase its energy capacity to accommodate a potential wave of data centers. Georgia Power plans to turn to some renewable energy to ...

Georgia Tech pilots commercial-scale lead battery ...

The Georgia Institute of Technology and Stryten Energy LLC, a U.S.-based energy storage solutions provider, announced the successful installation of Stryten Energy's Lead Battery Energy Storage ...



Georgia Power's first battery energy storage system reaches ...

The Mossy Branch facility was approved by the Georgia Public Service Commission as part of Georgia Power's 2019 Integrated Resource Plan (IRP) and is a ...

FAQs , Georgia's Home Energy Rebates

Georgia's Home Energy Rebates are two distinct programs that provide Georgia residents with home energy efficiency improvements and electric appliance updates at a reduced cost. The Home Efficiency Rebates (HER) ...



[Georgia Energy Storage Systems](#)

We're Georgia's solar energy storage experts. Call Alternative Energy Southeast, Inc. to learn more about our battery backup systems and to request a free consultation. Tesla Powerwall 3 ...

Georgia Power's First Battery Energy Storage System Reaches

Georgia Power leaders joined elected officials from the Georgia Public Service Commission (PSC), Georgia legislature, and Talbot and Muscogee counties on Thursday to ...



Georgia Tech and Stryten Energy Unveil ...

The Georgia Institute of Technology and Stryten Energy announce the successful installation of Stryten Energy's Lead Battery Energy Storage System at the Carbon Neutral Energy Solutions Laboratory.

Georgia Power's first battery energy storage system reaches ...

...

The Mossy Branch Battery Facility is capable of 65 megawatts (MW) of battery storage that can be deployed back to the grid over a four-hour period, adding resiliency to the ...



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.

Georgia Power rolls out new long-term plan, red ...

Whitfield questioned why Georgia Power staff failed to study the effects of retiring fossil fuel units at Bowen and Scherer on the economy and the environment. Georgia Power officials said in 2022 that it ...



Georgia Power , Reliable Energy for a Growing ...

Georgia Power provides clean, safe, reliable, and affordable energy to over 2.8 million residential and business customers across Georgia.

Macon, Georgia is getting a Georgia Power battery ...

Georgia Power is building 765 MW of battery storage in four Georgia counties, boosting grid reliability and increasing renewable energy.

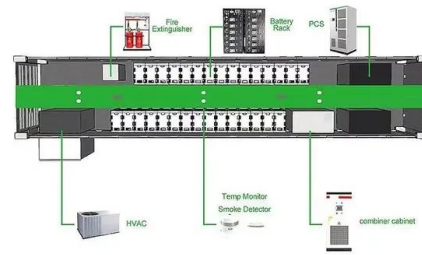


Georgia Power's first battery energy storage ...

The Mossy Branch Battery Energy Storage System (BESS) facility and is a standalone storage unit that connects with and charges directly from the electric grid.

Electricity explained Energy storage for electricity generation

Energy storage for electricity generation An energy storage system (ESS) for electricity generation uses electricity (or some other energy source, such as solar-thermal energy) to charge an ...



[Georgia , QuikStor](#)

Georgia Self Storage Association The Georgia Self Storage Association (GASSA) is a trusted organization dedicated to supporting the self-storage industry in Georgia. By fostering ...

Megapack - Utility-Scale Energy Storage , Tesla

Megapack is a utility-scale battery that provides reliable energy storage, to stabilize the grid and prevents outages. Find out more about Megapack.



Georgia Power's first battery energy storage ...

Georgia Power leaders joined elected officials from the Georgia Public Service Commission (PSC), Georgia legislature, and Talbot and Muscogee counties on Thursday to mark commercial operation of the ...

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