



Georgia Energy Storage Power Generation

Will Georgia's energy storage project improve grid resiliency?

"We expect this energy storage project to enhance grid resiliency and enable the deployment of increased intermittent emission-free energy on Georgia's electric grid," said Oglethorpe Power President & CEO Mike Smith.

When will Georgia's battery storage system come online?

The battery system is expected to come online as early as 2026 and is subject to regulatory approvals. "As we continue to build Georgia's clean energy future, battery storage systems play a vital role in how we will continue to serve our customers with clean, reliable energy for decades to come.

Why do Georgians need battery storage systems?

Battery storage systems part of plan to add renewable energy and help ensure reliability for Georgians

What does Georgia Power do?

Georgia Power provides electricity to 2.7 million customers in all but four of Georgia's 159 counties. The company is committed to delivering clean, safe, reliable and affordable energy for every customer, and works with the Georgia Public Service Commission (PSC) to ensure it can meet Georgia's future energy needs.

How much money does Georgia spend on energy projects?

Officials on Wednesday announced \$3.46 billion for 58 projects across 44 states. Oglethorpe Power Corp., Georgia Transmission Corp., Georgia System Operations and Green Power EMC have committed to spend a total of \$507 million on the projects, including the \$250 million in federal money.

What is Georgia Power's Integrated Resource Plan (IRP)?

In 2022, the Georgia PSC approved the company's long-term energy plan, the Integrated Resource Plan (IRP), which included Georgia Power's largest single battery energy storage system (BESS) project to date - the 265 MW lithium-ion McGraw Ford Battery facility located in Cherokee County, as well as an additional 500 MW of battery storage.

Underground gas storage is crucial to Georgia's energy security, to provide seasonal supply-demand balancing as well as compensate for possible supply interruptions. ... Georgia's first wind power plant, Qartli Wind Farm, ...

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 leaders joined elected officials from the Georgia Public Service Commission (PSC), Georgia



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legislature, and Talbot and Muscogee counties on Thursday to mark commercial operation of ...

In recent years, the company has experienced fewer and shorter power interruptions, and the state's growing smart grid is reducing service impacts of severe weather from events like Hurricane Helene and Winter ...

Georgia Power has identified sites for 500 MW of new Battery Energy Storage Systems (BESS) as part of its 2023 Integrated Resource Plan (IRP) update approved by the ...

The update calls for expanding the use of renewable energy and battery storage, both sources of power generation long supported by environmental advocates. But it also proposes the construction of new gas turbines at Georgia Power's Plant Yates in Coweta County, to the dismay of environmentalist critics. ... expansion of Georgia Power's ...

DIVERSE ENERGY PORTFOLIO. We have ownership in generation facilities across Georgia that are fueled by nuclear, gas, coal and hydroelectric resources. By having a diverse portfolio of generation facilities, we can help keep costs down and the power on for the EMCs and their member-consumers.

ATLANTA - Georgia Power executives Thursday pitched a proposal to build battery energy storage systems (BESS) at four sites to the state Public Service Commission (PSC). ...

The IRP authorized Georgia power to procure 2,000 MW of U.S.-based renewable energy. Bids for the RFP will be accepted as soon as Q1 2022. Accion Group, Inc will serve as the independent evaluator. Both standalone generation and co-located generation-plus-storage applications will be accepted, said Georgia Power.

It will connect into the Georgia Integrated Transmission System and will be part of a larger future 80-MW battery energy storage portfolio already approved in Georgia Power's 2019 integrated ...

Georgia Power's plan does include additional battery storage and energy savings, but the company says it needs to balance generation sources. Georgia Power typically discusses how to meet future demand once every three years. Commissioners approved the company's last resource and rate plans in 2022, with the next one not scheduled until 2025.

ATLANTA (AP) -- A \$249 million federal grant to Georgia aims to prevent power outages and store electricity on the grid. The money was granted to a state agency, which will ...

Georgia Power continues to work with the Georgia PSC to procure and develop BESS projects across Georgia. In addition to the Mossy Branch facility, Georgia Power is developing the 265 MW McGrau Ford Phase I BESS project in Cherokee County. This project was approved in the 2022 IRP, and Georgia Power expects it to enter service by the end of 2026.



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Georgia energy profile - Analysis and key findings. ... About 80% of Georgia's electricity generation comes from hydro resources (80.5% in 2021), with the remainder produced from natural gas and from a 20.7-megawatt ...

o Technical Information Supporting the Proposal to Develop 178 MW of attery Energy Storage ... timeframe in which the energy will be needed, Georgia Power must act on an accelerated timeline to meet ... at an existing generation site to leverage current infrastructure and operational efficiencies.

New Battery Energy Storage Projects Underway Across Georgia Georgia Power continues to work with the Georgia PSC to procure and develop BESS projects across Georgia. In addition to the Mossy Branch facility, Georgia Power is developing the 265 MW McGrau Ford Phase I BESS project in Cherokee County. This project was approved in the 2022 IRP, and ...

Georgia Power installs 500 MW of battery energy storage systems to stabilize Georgia's power grid. ... These facilities share solar generation infrastructure, eliminating the need for new transformer substations and limiting the expense of interconnections and grid upgrades. ... Georgia Power continues to invest in energy storage solutions to ...

Boston, MA - June 12, 2023 - Form Energy Inc. announced today that it is continuing under a definitive agreement with Georgia Power, the largest electric subsidiary of Southern Company (NYSE: SO), to deploy a 15 megawatt /1500 ...

Grid-scale energy storage developer Form Energy announced it is moving ahead under an agreement with Georgia Power to deploy a 15 MW/1500 MWh iron-air battery system in Georgia.

New resources will help company meet the energy needs of a growing Georgia. ATLANTA, Aug. 29, 2024 /PRNewswire/ -- Georgia Power has identified locations for 500 MW of new battery energy storage ...

The state Public Service Commission voted unanimously Tuesday to certify Georgia Power's plan to build battery energy storage systems at four locations, including in Floyd ...

In addition to seeking DER resources, Georgia Power created three crediting system programs. Programs offer pilot tariff crediting for BTM DERs, DER colocation, and customer owned resources. Working with government ...

Georgia Power continues to implement the programs approved in the 2022 IRP. In 2024, the company plans to issue a 500 MW energy storage system RFP, with resources anticipated to be online by the end of 2028, as ...

The Mossy Branch facility was approved by the Georgia Public Service Commission as part of Georgia



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Power's 2019 Integrated Resource Plan (IRP) and is a standalone storage unit that connects with ...

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 as part of the company's 2023 Integrated Resource Plan (IRP) Update. ... These resources will add to Georgia Power's diverse generation portfolio, helping to ensure the ...

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 ...

Locust Grove, GA (Oct. 18, 2023) - Today the Georgia Environmental Finance Authority (GEFA) and application partners Oglethorpe Power, Georgia Transmission, Georgia System Operations and Green Power EMC joined the U.S. Department of Energy (DOE) Secretary Jennifer Granholm to announce that the partners have been selected as a grant recipient in the DOE's Grid ...

Mossy Branch is also the first standalone battery storage asset connected to the Georgia Integrated Transmission System electricity grid. It will charge directly from the grid when power is cheaper, such as during periods of abundant renewable energy generation and low demand, and discharge stored energy to the network when demand and prices are higher.

Georgia Power files 2025 Integrated Resource Plan Our plan to reliably and economically meet the energy needs of a growing Georgia was filed with Georgia Public Service Commission on January 31, 2025. "At Georgia ...

RWE's Hickory Park solar project in Georgia, which includes 40MW/80MWh of co-located battery storage. Image: RWE. The US state of Georgia's Public Service Commission (PSC) has approved state utility Georgia Power's 2022 Integrated Resource Plan (IRP) that maps out how the company will deploy more renewables and energy storage technology over the ...

Natural gas and nuclear power fuel three-fourths of Georgia's total in-state electricity net generation. In 2024, the amount of electricity generated by natural gas accounted for 41% of the state's total net generation. 24 Georgia was the third-largest nuclear power-producing state, with nuclear power providing 34% of the state's generation. 25 The state has ...

The IRP also proposes increasing the utility's renewable energy capacity by 4,000 megawatts by 2035 to a total of 11,000 megawatts. Renewable sources of power would include new utility-scale and rooftop solar projects, battery storage, and modernizing Georgia Power's fleet of hydroelectric plants.

ATLANTA - Georgia Power will build battery energy storage systems (BESS) at four sites across the state,



**Georgia
Generation**

Energy

Storage

Power

adding 500 megawatts of electrical generating capacity to help ...

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