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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 company's first "grid-connected" battery energy storage system (BESS). 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 state's power grid and helping ensure reliable energy for a growing Georgia.

"We know our customers depend on us to make the investments in our state's power grid needed to deliver reliable energy to their homes and businesses around the clock," said Kim Greene, chairman, president and CEO of Georgia Power at the Mossy Branch site on Thursday. "Battery energy storage is an example of a new technology that will make our grid more reliable and resilient every day, and especially during extreme weather events. The Mossy Branch facility is an incredibly valuable addition to our grid and commercial operation of this site is a significant milestone in our continued work with the Georgia PSC to evolve and enhance Georgia's power grid."

Georgia Power worked with industry leader Wärtsilä to provide the engineering, procurement and construction services for the Mossy Branch facility. The project utilizes the GEMS Digital Energy Platform, Wärtsilä's energy management system, to manage the facility and provide secure operations, and is built with Wärtsilä's Quantum, a fully integrated, modular, and compact energy storage system.

New Battery Energy Storage Projects Underway Across Georgia

An additional 1,000 MW of new battery energy storage is expected to be procured in the coming years through competitive bidding processes and, in August, Georgia Power also announced the locations of 500 MW of new BESS projects that will be owned by the company. These new company-owned projects include 128 MW located adjacent to Robins Air Force Base (Bibb County); 49.5 MW located adjacent to Moody Air Force Base (Lowndes County); 57.5 MW located on the former Plant Hammond site (Floyd County); and 265 MW as a second phase of BESS at McGrau Ford. Read more here.

To learn more about how Georgia Power is meeting the needs of customers through a diverse, balanced energy portfolio, visit

Georgia Power has received approval from the Georgia Public Service Commission (PSC) to build, own, and operate a new battery energy storage system. Known as the Mossy Branch Battery Facility, the grid-charging battery system is located on 2.5-acres in Talbot County, near Columbus, Georgia.



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This innovative facility will be the first standalone Battery Energy Storage System (BESS) on the Georgia Integrated Transmission System and represents a key milestone in the company's efforts toward a more sustainable energy future.

The 65 MW/260 MWh system is part of a larger 80 MW BESS portfolio approved in the Company's 2019 Integrated Resource Plan (IRP).

Wilson Mallard, Georgia Power Renewable Development Director.

It is an exciting time to be working on new ways to maximize the value of sustainable, renewable energy and the addition of battery storage complements and enhances the value of renewable generation.

"Developing storage technologies of this magnitude will help us to continue meeting our customers' needs."

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