

PDEOZE PowerContainer

Georgia buys energy storage



Overview

Tesla has landed a massive US\$2.7 billion contract with Georgia Power to deliver more than 3 gigawatts (3,022 megawatts) of battery energy storage powered by its Megapack technology. How many MW of energy storage does Georgia Power need?

Georgia Power is seeking 500 MW of energy storage with the ability to discharge for at least two hours, either standalone or with associated renewable resources, the utility said Tuesday. A draft request for proposals specifies the resources should be online in 2028 at the earliest and no later than the end of 2031.

Does Georgia Power have a battery energy storage system?

Georgia Power is already operating battery energy storage systems and has plans for more. The utility's 65-MW Mossy Branch BESS is located in Talbot County and began commercial operation in November 2024. Another 765 MW was authorized by the Georgia PSC and is projected to enter commercial operation in 2026, the utility said.

Will Georgia Power's new storage capacity meet winter peak demand?

Georgia Power emphasized that the construction timelines for these projects are designed to meet anticipated winter peak demand beginning in 2029. The utility stated that the new storage capacity will provide critical backup power and help balance the grid during high-demand periods, particularly as older coal and gas units are retired.

Will Georgia Power Buy a Tesla Megapack unit?

Tesla Megapack unit with doors open. Georgia Power will procure Megapacks for the 500MW/2,000MWh portfolio. Image: Tesla Georgia Power has secured a battery and equipment supply agreement (BESA) with Tesla for a 500MW/2,000MWh BESS portfolio made up of four projects of varying sizes under development by the investor-owned utility (IOU).

Will Georgia Power build a solar power plant in 2022?

Earlier this month, the PSC approved five new utility-scale solar site power purchase agreements for Georgia Power, consisting of a total of 1,068 MW that will be built by third-party companies. Plans for the renewable generation were also included in Georgia Power's 2022 IRP.

Will Georgia Power install battery storage facilities at Robins & Moody Air Force bases?

As part of its 2023 IRP Update released last year, Georgia Power revealed its plans to install battery storage facilities at the site of two operational solar projects at Robins and Moody US Air Force Bases, despite these details being presented as new information in the recent press release from the utility.

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