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DOCKET # 42310, 42311
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DOCKET NO. 42310: GEORGIA POWER COMPANY'S 2019 INTEGRATED RESOURCE PLAN

DOCKET NO. 42311: GEORGIA POWER COMPANY'S 2019 DEMAND SIDE MANAGEMENT PLAN

ORDER APPROVING THE MOSSY BRANCH STORAGE FACILITY PROJECT

On July 22, 2021, Georgia Power Company ("Georgia Power" or "Company") filed a Notice of Intent to construct the Mossy Branch Battery Facility under Docket Nos. 42310 and 42311, pursuant to the Georgia Public Service Commission's ("Commission") Order Adopting Stipulations dated July 29, 2019 ("2019 IRP Order"). The Company requested Commission approval of the project, a 65 megawatt ("MW") / 260 megawatt-hour ("MWh") battery energy storage system ("BESS") in Talbot County, GA. In its filing, the Company provided an overview, objectives, transmission evaluation, and a plan for operating and testing the project, satisfying the Commission's requirements in the 2019 IRP Order.

The 2019 IRP Order granted the Company authority to develop, own and operate energy storage demonstration projects totaling up to 80 MW. The Company was directed to procure the BESS through a competitive Request for Proposals ("RFP") process and to file a plan with the Commission before undertaking construction and procurement of each proposed project.

The Mossy Branch Battery Facility will consist of a 65 MW 4-hour BESS that is independently sited, and will import and export energy directly from the transmission electric system. This project will allow the Company to evaluate the performance and value of, and to refine operation and maintenance practices for the battery system. For the remaining 15 MW of the total 80 MW authorized, the Company anticipates filing additional project plans for a solar plus storage and distribution connected standalone storage project.

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The Mossy Branch Battery Facility will demonstrate potential value streams that BESS provide to the electric system, including operating reserves, capacity, energy arbitrage, frequency regulation and voltage regulation. To fully maximize the value of storage, the Company will upgrade the current Automatic Generation Control (“AGC”) software to allow for optimized storage dispatch. When the BESS is not on AGC, the Company will have the capability to manually control the facility from a centralized operations, monitoring, and diagnostic center. The Company included in its filing the Mossy Branch Battery Facility Operation and Test Strategy which further details these project objectives.

In compliance with the 2019 IRP Order, the Company selected an Engineering, Procurement, and Construction (“EPC”) contractor through a competitive solicitation. Bid evaluation considered project costs, level of experience, technology performance, reliability, and safety. The EPC agreement provides a turnkey, lump-sum agreement for construction of the BESS and auxiliary equipment, with terms similar to those of the Company’s other EPC agreements that have been executed in connection with recent self-build renewable projects. Additionally, the Company has provided total project costs and revenue requirement. In response to Commission Staff (“Staff”) data requests, the Company was unable to identify the specific methodologies it would use to calculate reduction in system operating cost from the Mossy Branch BESS operation that would benefit ratepayers. As the BESS is operated, Georgia Power will evaluate the technical and economic performance of BESS to better understand the value of storage to the electric system and the Company’s customers. Georgia Power will ensure the cost savings associated with the battery storage system are used to benefit customers.

Construction of the Mossy Branch BESS is scheduled to be complete in October 2023, with a total in-service cost of approximately \$110 million. Staff reviewed the EPC agreement and financial information for the Mossy Branch Battery Facility and found it to be in compliance with the 2019 IRP Stipulation and Order.

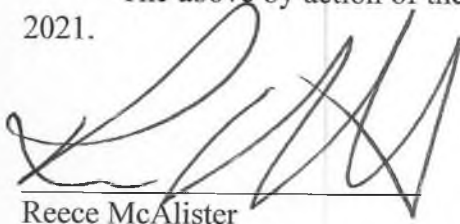
WHEREFORE, IT IS ORDERED, that Georgia Power Company’s proposed Mossy Branch Battery Facility project is approved, pursuant to the Final Order in the Company’s 2019 IRP.

ORDERED FURTHER, that all findings, conclusions, statements, and directives made by the Commission and contained in the foregoing sections of this Order are hereby adopted as findings of fact, conclusions of law, statements of regulatory policy, and orders of this Commission.

ORDERED FURTHER, that jurisdiction over this proceeding is expressly retained for the purpose of entering such further order or orders as this Commission may deem proper.

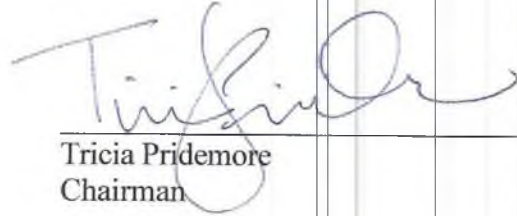
ORDERED FURTHER, any motion for reconsideration, rehearing, or oral argument shall not stay the effectiveness of this Order unless expressly ordered by the Commission.

The above by action of the Commission in Administrative Session on the 7th of October, 2021.



Reece McAlister
Executive Secretary

10-12-21
Date



Tricia Pridemore
Chairman

10-12-21
Date