Georgia Power

Bin 10230
241 Ralph McGill Boulevard NE
Atlanta, GA 30308-3374

May 15, 2023

Ms. Sallie Tanner
Executive Secretary
Georgia Public Service Commission
244 Washington Street, First Floor
Atlanta, Georgia 30334-5701

RE: **Quarterly Renewable Demonstration Projects Monitoring Report; Georgia Power Company's 2016 Integrated Resource Plan, Docket No. 40161**

Dear Ms. Tanner:

This Quarterly Renewable Demonstration Projects Monitoring Report for the first quarter of 2023 is provided in compliance with the Georgia Public Service Commission's ("Commission") Order Adopting Stipulations in the 2016 Integrated Resource Plan ("IRP") proceeding in Docket No. 40161.

This filing contains certain information that is being filed under the trade secret rules of the Commission. Furthermore, this letter and the accompanying documents are submitted consistent with the Alternative Electronic Filing Procedures established by the Commission on March 17, 2020.

Please feel free to contact me at (404) 506-3044 or Marc Vinson at (404) 506-2687 with any questions.

Sincerely,

/s/ Kelley M. Balkcom
Kelley M. Balkcom
Director, Regulatory Affairs
Georgia Power Company
MMCCLOSK@southernco.com

BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION

GEORGIA POWER COMPANY
DOCKET NO. 40161

BASIS FOR THE ASSERTION THAT THE INFORMATION SUBMITTED IS A TRADE SECRET

As required in the Order Adopting Stipulations issued by the Georgia Public Service Commission ("Commission") in Docket No. 40161, Georgia Power Company ("Georgia Power" or the "Company") hereby submits to the Commission the Quarterly Renewable Demonstration Projects Monitoring Report for the period ending March 31, 2023 (the "Report"). The Report contains sensitive cost information pertaining to the projects (the "Information"). The Information constitutes trade secret information of the Southern Company, Georgia Power, and its affiliates and is therefore protected from public disclosure under Commission Rule 515-3-1-.11.

The Information derives economic value from not being generally known to and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Specifically, the Information contains competitively sensitive cost information related to the prices Georgia Power has estimated for expenditures related to certain demonstration projects. Public dissemination of the Information would allow Georgia Power's potential suppliers access to such estimated costs, thereby bestowing insight into the Company's budgeted cost and timing of such expenditures. Such access would grant an unfair advantage to suppliers of the Company, who could use such information to artificially set bid and proposal prices during contract negotiations. This could lead to the Company having to pay a price higher than that which it would have paid on a level playing field. Lastly, the Company's competitors are not generally required to file similar information and to require the Company to do so would put it at an economic disadvantage.

The Information is subject to extensive efforts to maintain its confidentiality. Only select Georgia Power and Southern Company personnel and their legal counsel are granted access to the Information. Those personnel receive access only on a "need to know" basis. If a party outside of Georgia Power and Southern Company and their legal counsel are granted access to the Information, the party is required to sign a confidentiality agreement with respect to the Information.

A. Wilson Mallard, first being duly sworn, deposes and states that he has reviewed the attached document and that the information included in such document is accurate to the best of his knowledge and that the specific information designated as trade secret constitute trade secrets pursuant to Article 27, Chapter 1, Title 10 of the Georgia Code.

A. Wilson Mallard
Renewable Development Director
Georgia Power Company

Subscribed and sworn to before me this 10 day of May, 2023.

Notary Public

DANA L MCLEAN NOTARY PUBLIC COWETA COUNTY EXPIRES GEORGIA APRIL 26, 2026

My Commission expires:

4/26/26

Georgia Power Company's
Quarterly Renewable Demonstration Projects Monitoring Report
Through March 31, 2023

This report is provided in accordance with the Georgia Public Service Commission's ("Commission") Final Order in the 2016 Integrated Resource Plan ("IRP") proceeding in Docket No. 40161. The Final Order requires Georgia Power Company ("Georgia Power" or the "Company") to provide quarterly reports regarding the Closed Ash Pond Solar Demonstration Project approved by the Commission in Docket No. 40161.

Project Scope Summary

Closed Ash Pond Solar – The Closed Ash Pond Solar Demonstration Project allows the Company to develop up to 10 MW of solar generation projects on closed coal ash ponds at Company-owned generating facilities. The project may include the evaluation of different technologies such as traditional and non-traditional racking systems and solar energy covers. The energy output of the project will be tied to the site's existing infrastructure (including existing transmission assets to the extent possible) and will serve Georgia Power customers. The project will provide the Company with a hands-on, detailed understanding of what is required to permit and build solar generation facilities on top of closed solid waste facilities and/or underdeveloped plant properties.

Detail design and procurement activities for McIntosh Solar began in 1st qtr of 2023. The 30% design has been completed along with a review with GPC asset management personnel.

Actual Expenditures through March 31, 2023

Closed Ash Pond Solar – There have been minimal expenditures on this project to date as the Company has continued to assess the final Coal Combustion Residuals ("CCR") rule and its impact on the project. Expenditures thus far have totaled REDACTED, and have been limited to the cost of researching potential Company sites and technologies available to the market and obtaining consulting services to evaluate technologies. The Company has chosen Plant McIntosh to build the 10MW Solar Facility and will continue to finalize plans for the project taking into account both state and federal CCR rules. Once plans are finalized, the Company will commence the design and installation of the project. During Q1 of 2019, a 38 kW demonstration project was installed on the slope of the closed Plant McDonough Ash Pond.

Major Contracts

There is a Demonstration Project Agreement between Southern Company Services, Inc., and Watershed Geosynthetics LLC.

Procurement Status of Significant Components

During the 1st quarter of 2023 procurement activites started with competivily bidding, modules, inverters, fixed tilt racking, combiner boxes, and string harnesses. As a result of the bids and subsequent evaluations, the following awards have been made:

- Modules – JA Solar
- Inverters – SMA

- Fixed Tilt Racking – Gamechange Solar
- Combiner Boxes – Olson
- String Harnesses – Voltage

No purchase orders have been issued for significant components as of March 31, 2023.

Projected Spending Curve through March 31, 2023

A quarterly spending curve for each of the demonstration projects is set forth below, reflecting projected and actual expenditures to date. The projected spending curve is based upon the Company's Budget 2016.

Closed Ash Pond Solar - Total Projected Capital Spending Curve by Quarter

Time Period	Projected Spend	Cumulative Projected Spend	Cumulative Actual Spend	Cumulative Variance To Date
Through Q4 - 2016	-	-	REDACTED	REDACTED
Q1 - 2017	REDACTED	REDACTED	REDACTED	REDACTED
Q2 - 2017	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2017	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2017	REDACTED	REDACTED	REDACTED	REDACTED
Q1 - 2018	REDACTED	REDACTED	REDACTED	REDACTED
Q2 - 2018	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2018	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2018	REDACTED	REDACTED	REDACTED	REDACTED
Q1 - 2019	REDACTED	REDACTED	REDACTED	REDACTED
Q2 - 2019	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2019	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2019	REDACTED	REDACTED	REDACTED	REDACTED
Q1 - 2020	REDACTED	REDACTED	REDACTED	REDACTED
Q2 - 2020	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2020	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2020	REDACTED	REDACTED	REDACTED	REDACTED
Q1 - 2021	REDACTED	REDACTED	REDACTED	REDACTED
Q2 - 2021	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2021	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2021	REDACTED	REDACTED	REDACTED	REDACTED
Q1- 2022	REDACTED	REDACTED	REDACTED	REDACTED
Q2- 2022	REDACTED	REDACTED	REDACTED	REDACTED
Q3 - 2022	REDACTED	REDACTED	REDACTED	REDACTED
Q4 - 2022	REDACTED	REDACTED	REDACTED	REDACTED
Q1 - 2023	REDACTED	REDACTED	REDACTED	REDACTED