Georgia Power

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PUBLIC DISCLOSURE

October 16, 2026

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

RE: Georgia Power Company's Distributed Energy Resource Management System Annual Report; Docket No. 56002

Dear Ms. Tanner:

In accordance with the Order Adopting Stipulation issued by the Georgia Public Service Commission (the "Commission") in the above-styled docket, Georgia Power Company hereby files its Distributed Energy Resource Management System ("DERMS") Annual Report.

The Report contains certain information that is being filed under the trade secret rules of the Commission. As such, a redacted version of this information and the basis for the trade secret assertion are also enclosed for public disclosure.

Please contact Cheryl Johnson at 404-506-6837 if you have any questions regarding this filing.

Sincerely,

/s/ Jeremiah Haswell

Jeremiah Haswell
Director, Regulatory Affairs
Georgia Power Company
jhaswell@southernco.com

BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION

Georgia Power Company
Docket No. 56002
2025 Integrated Resource Plan

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

Pursuant to the Georgia Public Service Commission's Order Adopting Stipulation in Docket No. 56002, Georgia Power Company ("Georgia Power" or the "Company") hereby submits its Distributed Energy Resource Management System ("DERMS") Annual Report, which contains confidential details regarding actual and projected implementation plan costs (the "Information"). All such 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 confidential actual, projected, and forecasted spending and costs associated with the implementation of the GridOS DERMS hardware and software. Publicly disclosing these costs would allow bidders and vendors to tailor proposals according to the Company's expected costs to the detriment and harm of the Company and its customers. If revealed to the public, bidders and vendors could use the Information to set an artificial floor on bidding, thereby preventing the Company from conducting a proper solicitation and obtaining the equipment and services at the best cost for future work. Disclosure of the Information could harm the Company and its customers in its efforts to obtain optimal pricing in current or future negotiations. In addition, the Company's competitors are not generally required to disclose similar information, and to require the Company to do so would put it at an economic disadvantage.

The Information is subject to substantial procedures to maintain its secrecy. Only select Georgia Power and Southern Company Services personnel are granted access to the Information. Those personnel receive access only on a "need to know" basis. Parties outside the Company who have been granted access to the Information, if any, have been required to sign confidentiality agreements with respect to the Information.

Robin Lanier, first being duly sworn, deposes and states that he has reviewed Georgia Power Company's Information in the above-styled Docket and that the information included is accurate to the best of his knowledge and that the specific information designated as trade secret constitute trade secrets pursuant to Article 27 of Chapter 1 of Title 10 of the Official Code of Georgia.

Robin Lanier
Director, Grid Strategy & Solutions
Georgia Power Company

Subscribed and sworn to before me this 15th day of October 2026.

Notary Public
My Commission expires:





Distributed Energy Resource Management System (DERMS)

Annual Report

Reporting Period End Date: June 30, 2026

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Executive Summary

Georgia Power Company ("Company") is deploying a Distributed Energy Resource Management System ("DERMS") to obtain visibility, predictability, and controllability of distributed energy resources ("DERs"), and orchestrate them in coordination with operations control systems. This strategic investment is being driven by years of continued DER growth that requires more advanced capabilities than the Company has today. By 2031, distribution-connected resource capacity is projected to more than double—from approximately 640 megawatts ("MW") to 1.5 gigawatts ("GW")—while project counts are expected to increase from approximately 16,200 to nearly 31,700. These growth trends are driven largely by new programs and continued behind-the-meter adoption. Over the same period, the Company's demand response portfolio is forecasted to expand from approximately 84,680 devices (representing 56 MW) to approximately 150,000 devices (representing 97.65 MW).

In the 2022 Rate Case Order Adopting Settlement ("2022 Rate Case Order"), the Georgia Public Service Commission ("Commission") approved $40M for the Company to pursue enterprise DERMS capabilities. As part of that, the Commission, permitted Georgia Power to undertake preliminary steps towards planning and implementing DERMS, including modeling and visibility of DER; integration with the Company's real-time operations platforms such as Energy Management System ("EMS"), Distribution Management System ("DMS"), and Supervisory Control and Data Acquisition ("SCADA"); and establishing DER remote configuration capabilities.

In the 2025 Integrated Resource Plan ("IRP"), the Company requested an additional $8M in funding to support ongoing work and continue building the capabilities needed for successful implementation. The Commission's Order Adopting Stipulation (the "2025 IRP Order") approved this request and provided as follows: "The Company is approved to further develop and deploy a Distributed Energy Resource Management System (DERMS) to enhance the control and operational capabilities of DERs to ensure reliability and enable and optimize grid support functions. The Company shall file annual reports on implementation status and budget versus actual costs."

Consistent with the 2025 IRP Order, the Company submits this report providing an update on implementation status, schedule, capabilities, budget performance, and near-term execution plans.

After obtaining regulatory approval, Southern Company conducted market research, issued a Request for Information in August 2022, and issued a Request for Proposal

("RFP") in August 2023, for a common enterprise Grid DERMS solution across its three operating companies.

The enterprise procurement supported consistent architecture, economies of scale, negotiating leverage, and sustainable long-term support. The evaluation addressed more than 2,200 technical requirements, product demonstrations, costs, architecture, integration, and operational support. After thorough evaluation, Southern Company selected GE Vernova ("GEV") to provide their Grid DERMS solution in June 2024 and began detailed design and implementation planning for its GridOS DERMS platform.

During the second half of 2024, the Company conducted workshops with GEV and internal subject matter experts to develop detailed design and system architecture and then procured Phase 1 hardware. In January 2025, the Company began Phase 1 implementation, including installation of on-premise infrastructure, model development, and data integrations required for visibility, forecasting, and future DER orchestration.

Future implementation phase(s) will add DER control capabilities, grid optimization, flexibility planning, cybersecure integrations with cloud-based third-party platforms, and integrations with internal real-time operating systems. The Company will deploy these capabilities incrementally to validate data quality, cybersecurity, platform performance, and operational readiness before introducing automated or semi-automated DER control into routine operations.

The Budget and Financials section compares approved funding with actual and forecasted expenditures, satisfying the Commission's annual reporting requirement and supporting fiscal transparency and regulatory accountability.

DERMS will enable the Company to provide safe, reliable, resilient, and affordable service as distributed resources grow. Continued investment will improve operational visibility, support customer and third-party programs, and promote more effective use of existing grid infrastructure, while maintaining cybersecurity, operational readiness, schedule discipline, and budget accountability.

DERMS Overview

A Grid DERMS is a centralized system-of-systems software tool designed to manage and orchestrate Distribution-connected DER devices in coordination with existing grid operations control systems. This system provides enhanced visibility, forecasting of load and generation, cybersecure communications with DERs, system constraint management, and grid optimization, leveraging front-of-the-meter ("FTM") and behind-the-meter ("BTM")

devices. Grid DERMS is able to monitor and control FTM and BTM DERs through communication gateways or cloud-based integrations.

An Edge DERMS is a platform specializing in BTM DER technologies and programs, capable of serving as an "aggregator of aggregators" and facilitating multiple types of BTM DER programs. Edge platforms offer enhanced visibility, forecasting, control, and localized optimization leveraging customer-centric BTM devices. Edge platforms are often utilized to facilitate cloud-based integrations with original equipment manufacturer (OEM) hardware enrolled in BTM DER programs, thus minimizing the amount of cloud integrations with on-premise Grid DERMS platforms and reducing cybersecurity risk.

As DER adoption increases, the grid becomes more complex. These resources can have impacts on bulk power operations by masking system loads and have detrimental effects on distribution grid equipment and power flows. DERMS is intended to complement and enhance the Company's existing operating systems by providing new capabilities required to manage DERs at increasing scale. While systems such as the Advanced Distribution Management System ("ADMS"), EMS, and SCADA system remain foundational to grid operations, DERMS provides additional functionality that will equip the Company with the tools needed to maintain operational reliability, increase DER hosting capacity, and better utilize grid connected assets.

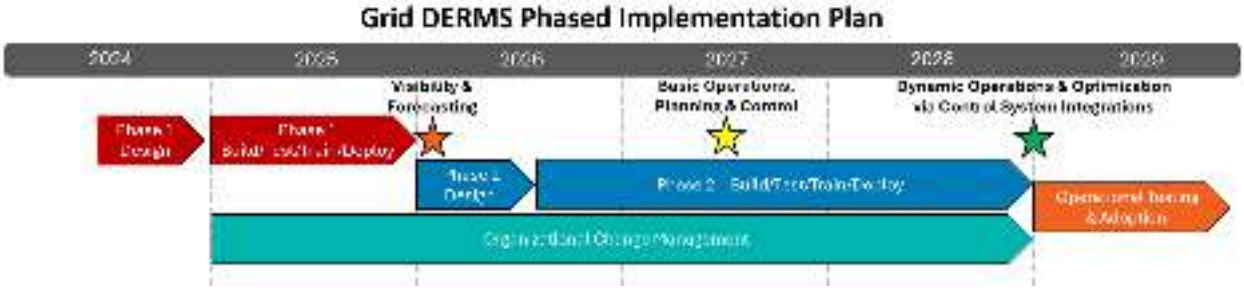
In addition to operational benefits, for company controllable devices with appropriate operational parameters, DERMS can support customer energy affordability by helping the Company better manage peak demand and identify where DERs may contribute to or help relieve distribution constraints. By improving visibility and coordination of DERs, the Company can evaluate opportunities to optimize grid operations and potentially defer or reduce the scale of future infrastructure investments where appropriate.

The Company's DERMS vision is to use the platform as an enterprise capability that supports continued growth of renewable and customer-sited resources, expansion of BTM DER and demand response programs, orchestration of DERs and DER aggregations, and enhanced operational efficiency. Over time, DERMS is expected to help the Company make better operational decisions by leveraging the value of DER grid services locally to support system needs.

Project Schedule and Status

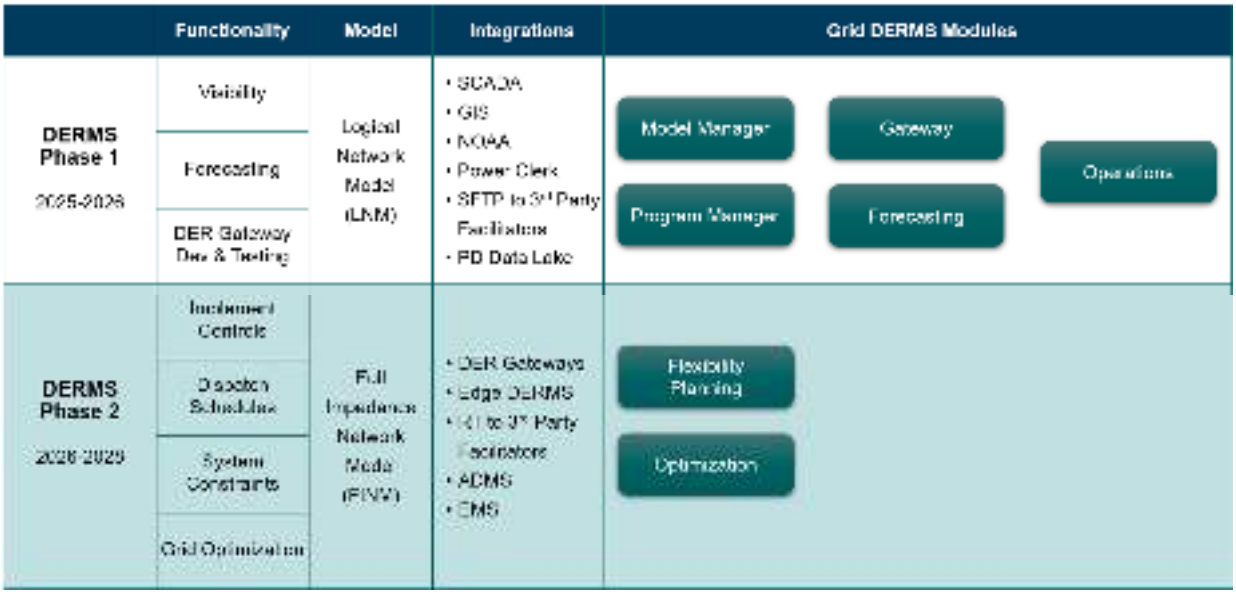
The Company is implementing GE Vernova's GridOS DERMS through a phased, use-case-driven approach that reflects the complexity of deploying an on-premises operational technology platform across critical grid systems. The sequence establishes data,

modeling, visibility, and forecasting foundations before introducing automated dispatch, optimization, and broader integration with operating systems. This approach allows the Company to validate data quality, strengthen cybersecurity protections, confirm system performance, develop operating procedures, and prepare users before expanding automated or semi-automated DER dispatch in routine operations.



Phase 1 established the core technical foundation required for reliable, scalable, cybersecure DERMS operations. The Company installed the DERMS hardware infrastructure for multiple environments and deployed five of seven software modules. Phase 1 software module descriptions are included below.

- **Model Manager** ingests and maintains network and DER asset data, providing an accurate, current information foundation for modeling and operations.
- **Program Manager** centralizes program, contract, and enrollment information and supports reporting on resource performance, availability, and constraints.
- **Gateway** provides a standards-based communications interface between DERMS, individual DERs, and aggregators to support monitoring and future control, including communications aligned with OpenADR, DNP3 and IEEE 2030.5.
- **Operations** consolidates DER information and alerts in a unified interface, giving operators improved situational awareness and a means to identify and manage DER-related operating issues.
- **Forecasting** continuously applies available forecasting models to load, generation, weather, and historical data, improving the Company's ability to anticipate DER output and feeder conditions.



In addition to the installation of hardware and software modules, the Company developed a Logical Network Model ("LNM") of the distribution system utilizing GIS and DER asset information, established data integrations for SCADA telemetry, SCADA historical data, weather data, and enrollment and event data from 3rd party aggregators. As a result, the Company entered 2026 with the ability to view DER geographic locations, near-real-time visibility of generation from SCADA-connected front-of-the-meter resources rated at 1 MW or greater, and feeder-level load and solar generation forecasts extending up to seven days. These capabilities improve operational awareness of where DERs are located, how they are performing, and how forecasted DER generation could affect distribution feeders and bulk power operations. This initial functionality will support more informed operational and planning decisions.

Additional Phase 1 work in 2026 has prepared the platform for broader operational use. The Company developed initial DER field gateway prototypes; evaluated DNP3 and IEEE 2030.5 communication protocols; advanced secure communications and certificate-management designs; automated tech stack deployment processes; strengthened role-based access controls; and expanded DERMS information sharing for internal reports, dashboards, and analytics. During 2026, the Company is stabilizing and hardening the on-premises technology stack, upgrading GridOS DERMS to the latest version, developing DER field gateway hardware and secure communications standards, and establishing the field communications path required to securely monitor and control connected resources.

During Phase 2, the Company is building upon this foundation by establishing secure DER control capabilities and installing the remaining two modules: Optimization and Flexibility

Planning. Subject to applicable agreements and operating parameters, control capability will allow the Company to issue defined instructions such as on/off commands, active-power setpoints, curtailment instructions, and charging/discharging event schedules. Phase 2 software module descriptions are included below.

- **Optimization** will evaluate network constraints, DER availability, economics, and dynamic operating envelopes to develop schedules and dispatch actions that address operating needs while remaining within applicable limits.
- **Flexibility Planning** will provide a study environment for short-term operational planning and longer-term scenario analysis, including evaluation of DER dispatch alternatives and potential non-wires solutions before implementation.

Together, these capabilities will move DERMS from observing and forecasting DER behavior, toward planning and coordinating eligible resources as grid-support tools while preserving appropriate operator oversight.

In 2027, the Company expects to introduce preliminary optimization, planning, and control capabilities into system operations. The planned operating model includes an established DERMS Desk for system monitoring, forecasting, secure control of eligible front-of-the-meter resources, and initial dispatching (e.g., active power export schedules, curtailments) to support system operations and mitigate thermal constraints. The Company plans to utilize these capabilities to monitor and control resources procured through the 2026 distributed generation ("DG") RFP. In preparation for incorporating these new capabilities into system operations, the Company provided thorough documentation to Commission Staff outlining DERMS operational procedures related to area constraint management, load and generation balancing, and curtailment. The documentation also addresses facility requirements, such as Potential High Limit ("PHL"), performance requirements, data requirements and telemetry requirements. The Company worked closely with the DG Working Group to provide clarity around the new technical requirements and expectations for participating in these types of programs, to ensure they can incorporate these elements into their system design(s) and financial projections. In 2027, Edge DERMS and third-party aggregator integrations will also be completed, expanding visibility and dispatch capabilities of behind-the-meter resources and aggregated customer programs. These developments are expected to provide a controlled, operator-supervised means of coordinating a broader portfolio of DERs and evaluating their contribution to local grid needs.

In 2028, the roadmap progresses towards more advanced grid optimization and planning capabilities enabled through the integration of DERMS with ADMS, and utilization of the as-switched Full Impedance Network Model ("FINM"). These integrations will provide the

Optimization module with real-time system conditions for constraint-aware DER dispatching and will strengthen the Flexibility Planning module's evaluation of short-term DER impacts, longer-term scenarios, and potential alternatives to traditional infrastructure solutions. Integrations with Fleet Operations and Bulk Power Operations systems will improve visibility and coordination of distribution-connected DERs and forecasts across generation, transmission, and distribution operations. Connection of additional resources procured through the 2027 DG RFP, as well as the DG Customer Identified Resource ("CIR") option could result in upwards of 100 MW of front-of-the-meter resources from the 2026 and 2027 procurements, as approved by the Commission, being available for DERMS dispatch. The Company will also be developing strategies to leverage DER aggregations for bulk-grid support. These capabilities are expected to improve constraint management, cross-system coordination, and use of participating DERs while maintaining reliability and appropriate operational controls.

By 2029, the Company expects DERMS operations will begin to mature and become more integrated across the Distribution Control Center, Fleet, and Bulk Power Operations. Planned outcomes include integration of DER aggregations within Fleet Operations automatic generation control for system-level grid support, expansion of automated dispatch to eligible resources managed through the DERMS Operations Desk, and deeper integration between ADMS and DERMS with regards to constraint management and system configuration.

The timing and scope of these future capabilities remain subject to successful testing, cybersecurity validation, resource availability, completion of required integrations, and operational readiness. The Company will continue to advance the roadmap incrementally and will evaluate new functionality prior to full-scale deployment to preserve system reliability and customer satisfaction. This phased progression provides a clear line from Phase 1 accomplishments, to the visibility and forecasting benefits available in 2026, to the future control, optimization, planning, and cross-system coordination outcomes expected through 2029.

Budget and Financials

The Budget and Financials section provides the required comparison of DERMS budgeted amounts, actual expenditures, year-to-date spending, and forecasted costs. The financial data in the table below includes actual expenditures for 2024 and 2025, year-to-date actuals through June 2026, projected spending for the remainder of 2026, and forecasted costs for 2027 and 2028. These figures provide a consolidated view of capital, one-time

operations and maintenance, and recurring operations and maintenance costs associated with the GridOS DERMS hardware and software implementation only.

Georgia Power Company Implementation Plan Costs										
	2024		2025		2026		2027	2028		
Category	YE Actuals	YE Projection	YE Actuals	YE Projection	Q2 Actual	YE Projection	YE Projection	YE Projection	Final Projected Actuals	Previous Final Projections
Vendor (Software Licensing, Labor)	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Hardware	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Implementation Company Labor (One-Time O&M deferred to a regulatory asset)	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Implementation Company Labor	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Maintenance (Recurring O&M)	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
AFUDC	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Total Cost	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED

The Company submitted the DERMS project for consideration in the U.S. Department of Energy ("DOE") loan program to support the deployment of Virtual Power Plants ("VPPs"). The purpose of this program is to make the U.S. grid more flexible, affordable, clean, and resilient as the economy electrifies. While the DOE loan guarantee will provide several financial benefits for the Company and its customers, savings projections are not yet demonstrable at this time.

Summary

DERMS is a strategic technology investment that is increasingly important to the Company's ability to operate a more complex and distributed electric grid. Customer-sited resources, distribution-connected generation, storage, electric vehicles, demand response, and flexible load opportunities continue to grow. DERMS is also central to the Company's long-term affordability and grid-of-the-future objectives. The Company will be better positioned to make data-driven operating and planning decisions, improve the use of existing infrastructure, support future customer and third-party programs, and evaluate opportunities to defer or refine future investments where appropriate.

The Company has made meaningful progress moving DERMS from strategy and regulatory approval into active implementation. These accomplishments provide the data, modeling, visibility, and operational foundation required for DERMS to be expanded into control and optimization. The next phase of implementation will move DERMS beyond visibility and forecasting and enable the DERs to be orchestrated as flexible grid resources for reliability, system constraint management, customer programs, and grid optimization. The phased approach is intentional and prudent. It allows the Company to validate data quality, strengthen cybersecurity protections, harden the technology platform, develop operational workflows, prepare support models, and train users before expanding automated or semi-automated DER control in routine grid operations.

The Company will continue to manage this initiative with disciplined execution, cybersecurity focus, operational readiness, transparent cost reporting, and regulatory accountability. Continued investment in DERMS will help the Company safely integrate a growing portfolio of distributed and customer-sited resources. It will also help preserve reliability, support affordability, and prepare the electric grid for the future needs of customers and communities.