

2025 Georgia Power IRP - Table of Contents

On January 31, 2025, Georgia Power filed its 2025 Integrated Resource Plan ([Docket 56002](#)) and its 2025 Application for the Certification, Decertification, and Amended Demand-Side Management Plan ([Docket 56003](#)).¹ The filings are organized in folders. The high-level folder organization is:

- IRP Main Doc
- Technical Appendix Volume 1
 - 1 Load and Energy Forecast
 - 2 Reserve Margin Study
 - 3 DSM Program Documentation
 - 4 Unit Retirement Study
 - 5 Unit Upgrade Analysis
 - 6 Wholesale-to-Retail Offer
 - 7 Hydro Modernization
 - 8 Environmental Compliance
- Technical Appendix Volume 2
 - 1 Technology Screening...
 - 2 Resource Mix Study
 - 3 Financial Review
 - 4 Renewable Cost Benefit Framework
 - 5 Renewable Integration Study
 - 6 Selected Supporting Information
- Technical Appendix Volume 3
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The following detailed outlines provide an overview of the documents in the filings, as they are organized online. Note, this outline excludes procedural documents such as “transmittal” letters or certificates of service.

The 2025 IRP filing (including DSM application) contains approximately 31 documents, consisting of 1,669 pages, and 15 spreadsheets containing 90 worksheets (not including procedural documents such as transmittal letters, certificates of service, folder indexes and cover pages).

Black bold font indicates a folder, **blue font** indicates a document (MS Word or PDF), and **green font** indicates an Excel spreadsheet.

Main Doc

- [2025 IRP](#)
 - *Description:* overview of the IRP filing
 - 167 pages, no redaction

Technical Appendix Volume 1

- **1 Load & Energy Forecast**
 - [B2025 Load & Energy Forecast](#)
 - *Description:* GPC’s twenty-year forecast of energy sales and peak demand
 - 156 pages - significant redaction
 - [Hourly Load Profile Data](#)
 - *Description:* Hourly loads for Georgia Power system for 2021, 2022, and 2023
 - Three worksheets, 733 records (rows) per worksheet
- **2 Reserve Margin Study**
 - [2024 Reserve Margin Study](#)
 - *Description:* Study to determine the amount of reserve capacity (Target Reserve Margin) that should be maintained on the system.
 - 90 pages, limited/moderate redaction

¹ The online file names include the term “Public Disclosure” (PD). The utility has redacted any information it considers Trade Secret from the PD version and labelled those deletions with the word “redacted.” The Trade Secret or TS version of the IRP is available to intervenors who sign a non-disclosure agreement.

- **3 DSM Program Documentation** (not including simple tables of contents and cover pages)
 - **3 2025 IRP DSM Case Summary Data 111-MG0**
 - *Description:* Economic modeling results for four DSM cases for Planning Scenario 111-MG0
 - 4 worksheets, no redaction
 - **3 2025 IRP DSM Case Summary Data MG0**
 - *Description:* Economic modeling results for four DSM cases for Planning Scenario MG20
 - 4 worksheets, no redaction
 - **5 2025 IRP DSM Technical Reference Manual Memo**
 - *Description:* brief memo introducing TRM
 - 1 page, no redaction
 - **6 2025 IRP DSM Technical Reference Manual Update**
 - *Description:* Table summarizing changes in TRM values for 57 DSM measures (same as prior, but in Excel)
 - 1 worksheet, no redaction
 - **8 2025 IRP DSM Long Term Percentage Rate Impacts**
 - *Description:* Long-term percentage rate impacts of three DSM cases (not Supply Side) for MG0 planning scenario
 - 1 worksheet, extensive redaction
 - **Step 9 DSM Program Planning Approach**
 - *Description:* Summary of TRC, RIM, & PACT results for three DSM cases (not Supply Side) for two planning scenarios (MG0, 111-MG0)
 - 1 worksheet, no redaction
- **4 Unit Retirement Study**
 - **Unit Retirement Study**
 - *Description:* Economic evaluation comparing the costs and benefits of continued operation for GPC coal-fired and certain NG-fired steam units versus replacement options.
 - 22 pages, moderate to extensive redaction
- **5 Unit Upgrade Analysis**
 - **2025 IRP McIntosh Upgrades**
 - *Description:* Analysis of upgrade opportunities for eight CT units and two NGCC units at Plant McIntosh.
 - 10 pages, moderate redaction
 - **2025 Nuclear Upgrades**
 - *Description:* Analysis of upgrade opportunities for Hatch 1-2 and Vogtle 1-2.
 - 8 pages, moderate redaction
- **6 Wholesale-to-Retail Offer**
 - **2025 Wholesale-to-Retail Offer**
 - *Description:* Description of GPC offer of wholesale capacity to retail service
 - 26 pages, extensive redaction
- **7 Hydro Modernization**
 - **2025 IRP Hydro Modernization**
 - *Description:* Proposal to complete hydro modernization on remainder of hydro fleet (in addition to modernization approved in prior IRPs)
 - 26 pages, moderate redaction
 - **Attachments A – K**
 - *Description:* feasibility and cost studies and modeling summaries concerning proposed hydro modification projects

- 11 attachments as separate documents (approx. 220 page)
- **8 Environmental Compliance Strategy**
 - 2025 GPC ECS
 - *Description:* Study of optimal environmental compliance strategy for GPC through 2035.
 - 78 pages, no redaction

Technical Appendix Volume 2

- **1 Technology Screening & Applications Standards**
 - 2025 IRP Technology Screening
 - *Description:* Study to assess the cost and viability of new supply-side resources
 - 28 pages, significant redaction
- **2 Resource Mix Study**
 - 2025 IRP Mix Study
 - *Description:* Study to guide the development of an optimal least-cost resource mix or generic expansion plan.
 - 33 pages, moderate redaction
 - Capacity Expansion Plans
 - *Description:* Capacity expansion details for scenarios described in Mix Study (p. 18)
 - 18 worksheets, near total redaction
 - GPC and System DSO Data
 - *Description:* Description of program and planning capacities of demand-side options
 - 4 worksheets, extensive redaction
 - GPC Territorial Base Case Load vs. Existing Capability Table
 - *Description:* Comparison of territorial forecasted peak demand and existing resources (by resource) for summer and winter
 - 4 worksheets, roughly 340 records each, no redaction
 - GPC and System IRP Summary Data
 - *Description:* Summary results of 111-MG0 and MG0 scenarios for summer and winter
 - 5 worksheets, extensive redaction
- **3 Financial Review**
 - 2025 IRP Financial Review
 - *Description:* Description of financial modeling sensitivities and assumptions
 - 3 pages - moderate redaction
 - Financial Workpapers
 - *Description:* Revenue requirement modeling results of 12 sensitivities vs base case.
 - 14 worksheets, significant redaction
- **4 Renewable Cost Benefit Framework**
 - 2025 IRP RCB Framework
 - *Description:* Description of methodology to reflect the costs and benefits of intermittent renewable resources across the Southern Company system.
 - 14 pages, no redaction
- **5 Renewable Integration Study**
 - 2024 IRP Renewable Integration Study
 - *Description:* Study to determine the integration costs associated with a range of solar penetration scenarios on the Southern Company system

- 42 pages, no redaction
- **6 Selected Supporting Information**
 - **1 Blackstart**
 - **EPRI GPC Restoration Study**
 - *Description:* TBD
 - Redacted in its entirety
 - **2 ECCR**
 - **2025 IRP ECCR Table**
 - *Description:* Summary of Capital Expenditures, Closures, and O&M Expenses for recovery through ECCR 2025 - 2028
 - 1 worksheet, almost entirely redacted (totals remain)
 - **3 CCR ARO**
 - **CCR ARO Table**
 - *Description:* Detailed overview of costs of Coals Combustion Residuals Asset Retirement Obligations, overall and by plant
 - 14 worksheets, extensive redaction

Technical Appendix Volume 3

- **2025 IRP Volume 3 (aka Transmission Plan)**
 - *Description:* Description of GPC's 10-Year transmission and distribution plan.
 - 668 pages, extensive redaction

2025_dsm_application

- **2025 DSM Application Docket No 56003**
 - *Description:* Summary of GPC's application for approval of proposed DSM plan.
 - 7 pages, no redaction
- **2025 DSM Program Plans**
 - *Description:* Detailed program plans for GPC's proposed residential and commercial DSM programs
 - 21 pages, no redaction
- **2025 DSM Program Planner Summary 111-MG0**
 - *Description:* Detailed modeling inputs and results for GPC's proposed residential and commercial DSM programs for planning scenario 111-MG0
 - 8 worksheets, no redaction
- **2025 DSM Program Planner Summary MG0**
 - *Description:* Detailed modeling inputs and results for GPC's proposed residential and commercial DSM programs for planning scenario MG0
 - 8 worksheets, no redaction
- **2025 DSM Appendix H Program Design Metrics**
 - *Description:* Lists of measures and Savings Goal, Budget & Cost-Effectiveness Test Results by program
 - 43 pages, no redaction