

SOUTHEASTERN FEDERAL POWER ALLIANCE

December 3, 2024

*Hybrid Meeting will begin at 8:30am Eastern
Sam Nunn Federal Center – Atlanta Conference Room
61 Forsyth Street SW
Atlanta, GA 30303*

Audio Only: Dial in: +1 (945) 468-5504 ; Conference ID: 525 381 133#

[Click Here to Join the 2024 Alliance Meeting](#) ; Meeting ID: 242 748 353 241

1. Welcome, Announcements & Introductions.....Leon Jourolmon
2. Opening Comments.....BG Daniel Hibner, Virgil Hobbs
3. Washington Update & Federal Hydropower Council.....Barbara Smith/Daniel Rabon
4. Power Marketing.....Carter Edge
5. O&M/Customer Funding Major Maintenance.....David Trawick
6. SAD Water Management.....Trent Ferguson
7. Other Discussion Items..... All
 - Kerr-Philpott Landslide.....Steve Jones
8. Summation & Close..... All

Alliance Meeting

- Washington Update
 - Personnel Updates & 2024 Transition
 - Congressional & Legislative Issues
- Federal Hydropower Council

Barbara Smith, SEPA
Daniel Rabon, USACE
December 3, 2024

Army & USACE Civil Works Leadership & Personnel with Federal Hydropower Responsibilities



Department
of the Army



Mike Connor
ASACW



Jaimie Pinkham
PDASA



Stacey Brown, SES
DASA, Management and Budget



Robin Colosimo, SES
DASA, Project Planning and Review



Headquarters,
US Army Corps
of Engineers



LTG "Butch" Graham
Chief of Engineers



MG Jason Kelley
Deputy Commanding General
for Civil Work and Emergency
Operations



Edward Belk, SES
Director of Civil Works



Stephen Hill, SES
Chief, Operations and Regulatory

Other USACE Headquarters Leadership

Counsel: **David Cooper**
Resource Management: **Mike Walsh** (acting)
Engineering & Const.: **Tom Smith***
Dam and Levee Safety**: **Travis Tutka**
Contracting: **Denver Heath**

**Not SES

Hydropower Business Line:

Daniel Rabon
Scott Romero
David Sanna
Vacant

Hydropower Business Line Manager
Senior Hydropower Program Manger
Digital Transformation Lead
Hydropower Program Manger

Department of Energy Leadership and Personnel with Federal Hydropower Responsibilities



Jennifer Granholm, **Secretary**



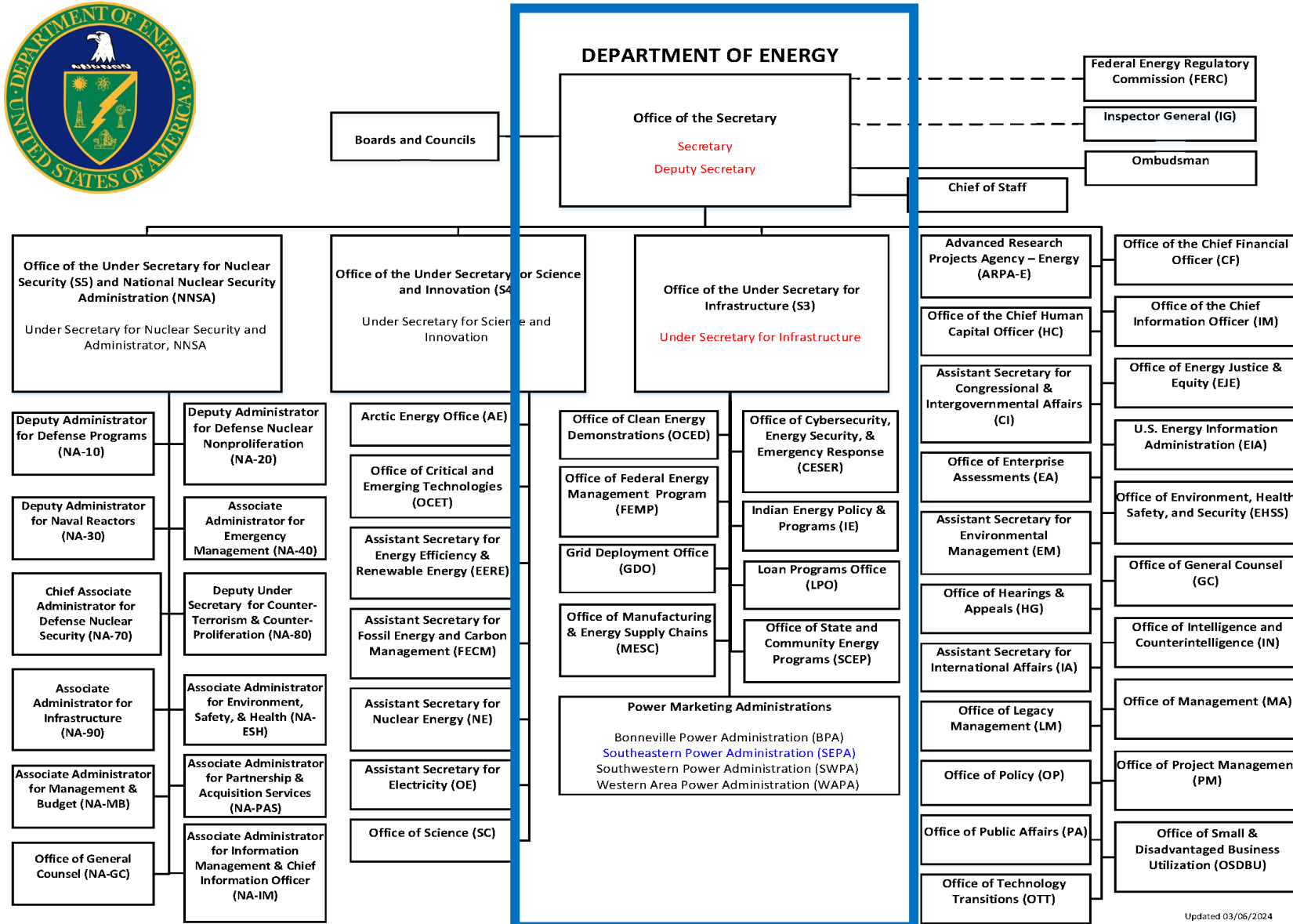
David Turk, **Deputy Secretary**



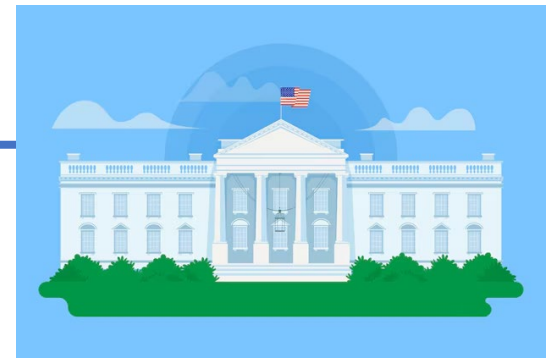
David Crane, **Under Secretary for Infrastructure**



Virgil Hobbs, Administrator of SEPA

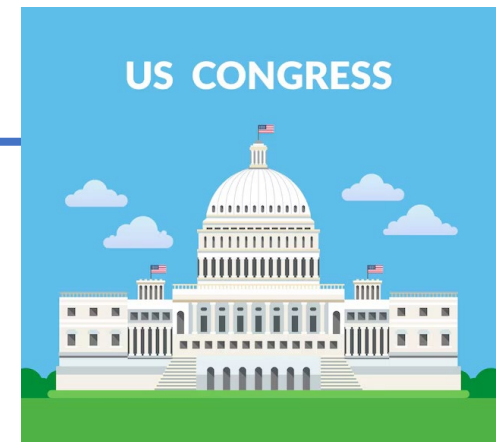


Presidential Transition 2024



- FY 2026 Budget Process Delayed with Baseline Budget Only
 - Transmittal of the President's FY 2026 and Congressional Hearings delays expected.
- Agency Review Team Status
- The 60th Presidential Inauguration Scheduled for January 20, 2025
 - Nominees and permanent appointees begin.
 - Issuance of Executive Orders:
 - Often signed immediately to set incoming administration policy agenda.
 - Reverse, revise or restate prior EOs.
 - Related to many things...policy priorities, restructuring, hiring/pay issues (freezes/increases/structure changes)
 - FY 2026 President's formulation/submission reflecting funding and policy proposals
 - Past administration efforts related to the PMAs & Corps hydropower proposals have included selling off transmission assets, moving to market-based rates, and divestiture of federal power program.

Congressional & Legislative Activity:



- New 119th Congress (Begins January 3, 2025)
 - New members, leadership changes and committee assignments.
 - Issues: Debt ceiling, expiring tax credits, potential repealing of IIJA/IRA provisions, supply chain, grid resource adequacy, permitting.
- 118th Congress – Lame Duck (3 weeks in December)
 - FY 2024 Appropriations:
 - Current Continuing Resolution (CR) expires Dec. 20, 2024. CR based off prior year enacted.
 - Another short-term CR into next Congress expected.
 - SEPA FY 2025 Funding:
 - FY 2024 SEPA funding was enacted at request level.
 - Administrator Hobbs testified in May 2024 on the budget FY 2025 request before the House oversight hearing (House Natural Resources Subcommittee on Water, Wildlife and Oceans).
 - House and Senate FY 2025 Energy & Water Development bills provide SEPA funding at the request level. Informal conferencing underway now with further consideration in lame duck.
 - Reminder that SEPA PPW authority which was constrained FY 2018-FY 2022. Ongoing Congressional Budget Office scoring issue with PPW off-setting collections. Uncertainty for next Congress.

Congressional & Legislative Activity (cont'd.):

- **Grid Resiliency, Transmission & Permitting Efforts**
 - S. 4753 - The Energy Permitting Reform Act of 2024 (Manchin & Barrasso). Passed SENR with unresolved utility concerns. Current language could change PMA and other public and not-for profit electric utilities FERC jurisdiction and subject these entities to additional costs through changes in interregional planning processes.
 - House draft NEPA reform bill (Westerman).
- **National Defense Authorization Act (NDAA)**
- **Water Resources Development Act of 2024**
 - Informal conferencing underway now to reconcile House and Senate bill differences.
 - SEPA hydropower concerns:
 - House bill pauses new remote operations and requires conditions to be met prior to proceeding with Congressional approval.
 - Elevation of water supply and ongoing water storage reallocations. House bill proposal to make a primary purpose (Customer associations added hydropower protection language during markup.)
 - House report language clarifies PMA authority to set hydropower rates.
- **Disaster Relief Bill**
 - PMA concerns funding for non-hydropower specific work could



Congressional & Legislative Activity (cont'd.):

- Ongoing SEPA Concerns from 2022 Supplemental Funding (BIL/DRSAA) Impact to Hydropower through Joint

Cumberland	\$217M	17%	
GA-AL-SC	\$78M	2.5%	Initial estimates reflected a total dollar impact of \$208M resulting in a 7% rate increase related to \$129M assigned to power for the Carters reregulation dam.
Kerr-Philpott	\$28M	7%	
Jim Woodruff	\$0M	0%	Initial estimates reflected a total dollar impact of \$11M resulting in a 10% rate increase related to included navigation costs. The updated dollar impact is now \$259K.
\$323M			

- Legislative fix related to FY 2022 funds would score.
- Transparency and tracking of supplemental funding is challenging.
- The pending GAO audit on Joint Costs was authorized in WRDA 2022 through customer efforts. Status is unclear.
- Focus on administrative solutions continue. Progress through the FHC stalled due to Corps' legal concerns with discretionary authority.
- Legislative solutions to stop cost shifting and improved transparency may be necessary.



Federal Hydropower Council (FHC)

- Started in 2016

Acquisition and Delivery Processes

O&M Cost Reduction and Federal Hydropower

Joint Cost Allocation and Charging

Communications

Water Storage Reallocation and Crediting

- Early successes but progress on several key issues has stalled over the last 3-4 years
- PMA Administrators Letter to ASACW on May 23, 2023 (no response to date)
- Most recent meeting occurred November 2023
 - Deputy Secretary Turk provided opening remarks.
- Joint Cost working group F2F meeting March 2024
- Economic Evaluation Team
 - 2024 effort led by Mark Parrish. Related to Water Storage Reallocations and Crediting.
- Related HAC effort to Update Water
- Potential FHC meeting early 2025
 - Supply chain likely an added new focus.



US Army Corps
of Engineers®



— BUREAU OF —
RECLAMATION



Power Marketing

Southeastern Federal Power Alliance
December 5, 2024



ESTABLISH RATES

Establishing rates for the power systems is one of the statutory functions that Southeastern performs.

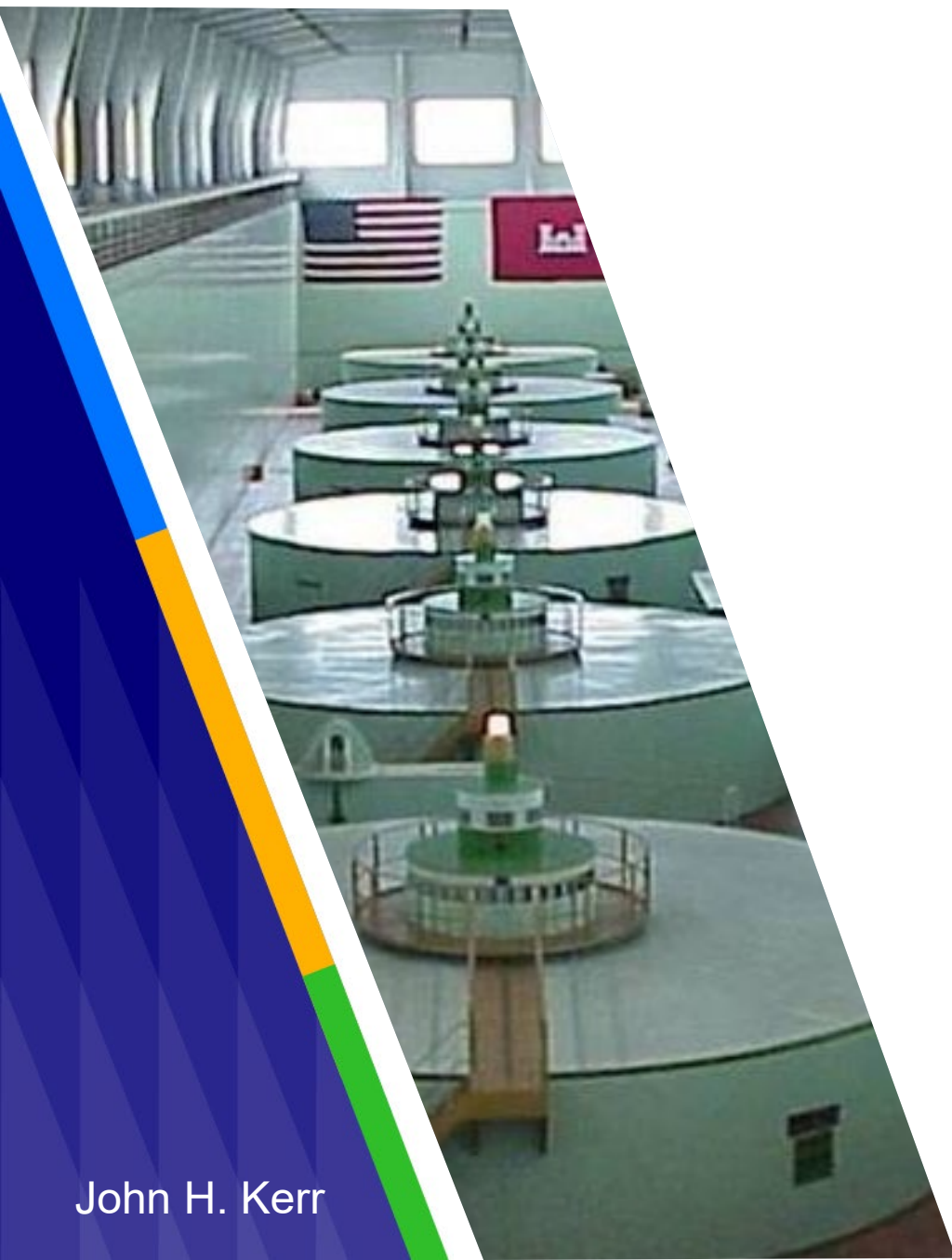
- Formulate and establish four regional electric system power rates for five-year terms, which the Federal Energy Regulatory Commission approves on a final basis.
- Conduct annual repayment studies to determine if cost-based power rates will produce sufficient revenue to reimburse all generation, transmission, and marketing expenses.



Rate schedules shall be drawn having regard to the recovery (upon the basis of the application of such rate schedules to the capacity of the electric facilities of the projects) of the cost of producing and transmitting such electric energy, including the amortization of the capital investment allocated to power over a reasonable period of years” – Section 5 of the Flood Control Act of 1944



**Requirement to recover
federal investment
through rates**



RATE DEVELOPMENT PROCESS AND SUPPORTING DOCUMENTS

The Administrator must file the entire record on which the final decision establishing a rate scheduled is based.

The Administrator must file an explanation of the rate development process. The Record of Decision must include:

- A discussion of issues raised by customers or the public and how such issues were resolved;
- A discussion of all statutory, regulatory, or other requirements which governed the Administrator's decision;
- A description of any methodology used for determining revenue requirements and for developing appropriate rate structures;
- A list identifying all documents submitted for Commission consideration.

The Administrator must file a statement certifying that the rate is consistent with applicable laws and that it is the lowest possible rate consistent with sound business principles.

JIM WOODRUFF RATE DESIGN

ANNUAL REVENUE
REQUIREMENT

\$10.3M

From all sources

CAPACITY

45%

Monthly Demand Charge

ENERGY

55%

kWh declared

Based on 36MW marketed capacity delivered at the bus-bar. Duke Energy Florida no longer provides firming capacity or deficiency energy.

GA-AL-SC RATE DESIGN

ANNUAL REVENUE
REQUIREMENT

\$204M

From all sources

CAPACITY

75%

Monthly Demand Charge

ENERGY

25%

kWh declared

Based on 2,184 MW firm system marketed capacity from 10 projects located across three river basins.
Transmission and purchased power costs passed through monthly.

KERR-PHILPOTT RATE DESIGN

ANNUAL REVENUE
REQUIREMENT

\$31.8M

From all sources

CAPACITY

57%

Monthly Demand Charge

ENERGY

43%

kWh declared

Base Rate with annual true-up April 1 based on actual net revenue from generation; PJM transmission charges passed through monthly.

DUE FOR RATE ADJUSTMENT IN 2025

Kerr-Philpott: (unaudited)

Initial Year	Revenue	Expenses	Investment	Repayment	Balance
1953	\$886M	\$772M	\$241M	\$114M	\$127M

- Marketed system capacity 196,500 kW
- Average annual Energy in rates 439,743,000 kWh
- Total O & M Expense per MWh
FY21 \$28.24 /MWh
FY22 \$32.81 /MWh
FY23 \$34.52 /MWh
FY24 \$35.39 /MWh
- Resources
 - John H. Kerr – 13MW to 296MW
 - Philpott – 15MW (Out of Service since 2022)



John H. Kerr

KERR-PHILPOTT RATE PRINCIPLES

1. Southeastern will continue to recover about fifty-seven percent (57%) of the generation costs from capacity and forty-three percent (43%) from energy.
2. The proposed rates allow direct pass through of the transmission charges to the affected preference customers.
 - a) The rate schedules allow Open Access Transmission Tariff ancillary charges to be passed through to the affected customers.
 - b) Southeastern will continue a Tandem Transmission rate to recover PJM transmission charges to transmit power to the border of neighboring utilities.

DATA REQUIREMENTS

Statement A must include:

- Sales and revenues for each rate schedule for the last five years of the historic period;
- For the rate test period, the estimated annual sales and revenues for the existing and each proposed rate schedule, including a separate aggregation of any revenues from sources not covered by the rate schedule according to general classifications of such revenues;
- Brief explanations of how sales and revenue estimates are prepared and explanations of any changes in sales or revenues during the last five years of the historic period.

Statement A

Sales and Revenues

DATA REQUIREMENTS

Statement B must contain:

- A list of the capacity and energy resources for the last five years of the historic period and for the rate test period, used to support the sales and revenues figures contained in Statement A.

The statement should identify resources according to the powerplant and any purchase or exchange agreement.

Statement B

Power
Resources

DATA REQUIREMENTS

Statement C must account for all capitalized investments to be repaid from power revenues.

The statement shall include a listing, by year, of the following:

- All initial investments and additions to plant, including interest during construction, that produced revenue during the historic period or are expected to produce revenue during the rate test period;
- Capitalized deferred expenses; and
- Replacements made during the historic period and replacements projected to be made during the balance of the repayment period.

Statement C

Capitalized
Investments or
Costs

DATA REQUIREMENTS

For each such investment, the statement shall specify:

- Whether the investment is an initial investment, an addition, a replacement, or a capitalized deferred annual expense;
- The date the investment was made;
- The year in which repayment is due to be completed;

If available, the amount repaid on each investment to date must be stated, except that if repayment on individual investments is not recorded, the amount repaid to date on each group of investments having common interest rates should be stated.

For each year, the sum of unpaid individual investments or the unpaid portion of interest groups shown above must equal the unamortized investment shown in the power repayment study for that year.

The statement must describe the methods used to forecast replacements and the price level used to estimate replacement costs.

Statement C

(cont'd)

Capitalized
Investments or
Costs

DATA REQUIREMENTS

For each capitalized investment and cost listed in Statement C, Statement D must describe, by interest group:

- The total unpaid balance outstanding at the end of the historic period;
- Payments made on principal and interest during each of the last five years of the historic period; and
- Annual payments expected to be made through the cost evaluation period.

The statement must describe how the interest expense was determined for each type of investment and include examples of such computations.

Statement D

Interest
Expenses;
Repayment of
Investments and
Debt Capital

DATA REQUIREMENTS

Statement E must:

- List expenses for each individual source, if purchased power and other similar expenses are derived from more than one source;
- Explain any significant deviations from trends in expenses or any extraordinary expenses; and
- Explain the price level used for estimating expenses.

Statement E must contain, for the last five years of the historic period and for the rate test period, as appropriate, a tabulation of actual and projected operation and maintenance, administrative and general, purchased power, wheeling, and any other expenses, other than interest.

Statement E

Operation,
Maintenance
and Other
Annual
Expenses:

DATA REQUIREMENTS

Statement F must contain for each multiple-purpose reservoir project, unit, division, or system:

- A table or other summary showing total investment costs, the total annual operation and maintenance costs, and
- The allocation of all such costs among the various authorized purposes.

The statement must show any changes from previous allocations, and the procedure used in allocating such costs.

Statement F

Cost Allocations

Questions?

carter.edge@sepa.doe.gov



SAD MAINTENANCE UPDATE SOUTHEASTERN FEDERAL POWER ALLIANCE

David Trawick, P.E.
Project Manager
U.S. Army Corps of Engineers
South Atlantic Division
Hydropower Technical Services Center
December 2024



US Army Corps
of Engineers®



PHILPOTT TURBINE & GENERATOR UPGRADE



Scope: \$28.8M Project to upgrade turbines, rewind generators and replace associated equipment.

Current Status:

- Existing rating: 7.5MVA
- Expected uprate rating: 9.3MVA
- Intake Gates COMPLETE.
- Draft Tube Bulkheads COMPLETE.
- Mudslide Cleanup 90% complete.
- New Switchgear AWARDED.
- New Switchgear Building AWARDED.
- Hillside Stabilization AWARDED SEP-2023.
- Hillside repair schedule FEB-2026.
- Turbine Runners Manufacture COMPLETE.
- Stator Installs COMPLETE.

Next Steps:

- Complete Hillside Stabilization.
- Re-Assemble Units
- Complete Switchgear Building Project.
- Monitor Supply Chain.



Milestone	Scheduled
Advertise Solicitation:	20-May-20
Close Solicitation:	08-Dec-20
Award:	29-Mar-21
Contractor Design:	24-Dec-21
Installs Complete	28-Jan-26
Contract POP End	06-May-26
Return to Service	30-Jun-26



RICHARD B RUSSELL UNIT 5 REPAIR



Scope: \$10.1M Project to Assess and Repair Unit 5.

Current Status:

- Vibration & Stator Frame Translation.
- Two Assessment Task Orders COMPLETE.
 - Vibration Analysis and Repair Recommendations with Rotor FEA.
- Repair Task Order #3 exceeded estimate.
 - Negotiations and Descoping Unsuccessful.
- USACE performed sole plate foundation and stator frame radial key repairs - COMPLETE
- Instrumentation Install – COMPLETE
- Testing and Analysis - Ongoing

Next Steps:

- Return Unit to Service.
- Perform 3rd Party Holistic Unit Vibration Analysis.



Milestone	Scheduled
Radial Key Repair	01-Mar-24
Epoxy Crack Repair	30-JUL-24
Install Instrumentation	28-Oct-24
Testing	27-Nov-24
Return to Service	TBD



HARTWELL UNITS 3 & 4 REWIND



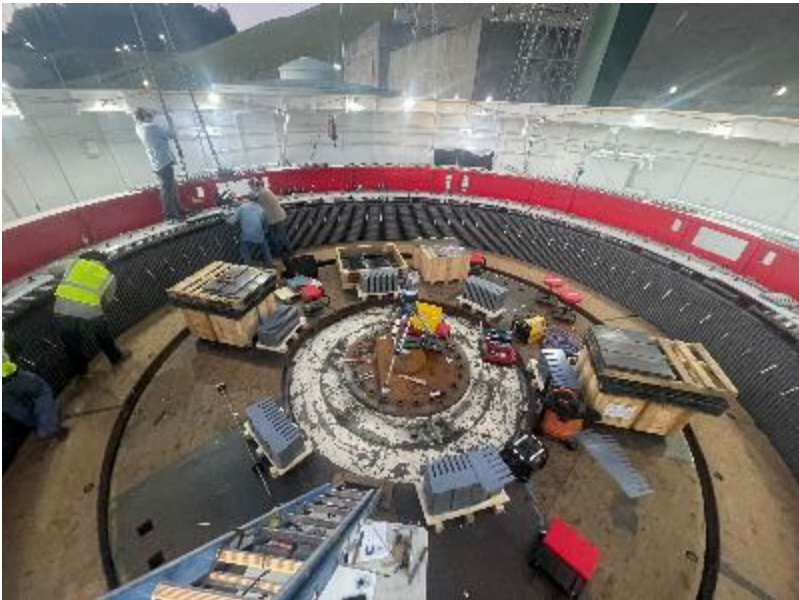
Scope: \$24.4M Project to Rewind Units 3 & 4.

Current Status:

- Coils & Laminations Fabrication COMPLETE.
- Temporary Lifting Solution DELIVERED.
- Unit 3 Coils & Laminations Disassembled.
- Unit 3 Sole Plate Repairs, Stator Circularity, Grout Repairs COMPLETE.
- Unit 3 Key Bars and Laminations Installation COMPLETE
- Unit 3 Winding Installation Ongoing
- Contract Mod – Repair Lifting Beam, Bearing Oil Pot Cleaning, Cooling Water Pipe Cleaning, Concrete Walkway Repair, Painting

Next Steps:

- Award Mod.
- Complete Stator Rewind
- Reassemble Unit 3.
- Commission Unit 3.
- Rewind Unit 4.



Milestone	Scheduled
Advertise Solicitation:	11-Feb-20
Close Solicitation:	10-Jun-20
Award:	28-Aug-20
Contractor Design:	22-Mar-21
Unit 3 Manufacture:	23-Sep-21
Unit 3 Install:	24-Apr-25
Unit 4 Install:	24-Apr-26



MILLERS FERRY SWITCHGEAR INSTALLATION



Scope: \$3.1M Project to install new GFE switchgear.

Current Status:

- Contract AWARDED Sep 2023
- Unit 1 Switchgear INSTALLED
- 15kV Feeder Cables INSTALLED.
- U1 Testing & Commissioning: Dec 2024.
- Bus Transition Section Manufacturing ONGOING-Delivery 05DEC24
- Unit 2 Switchgear Installation Jan 2025
- Unit 3 Switchgear Installation Feb 2025
- Contract Complete Mar 2025

Next Steps:

- Deliver and Install Bus Transition Section
- Unit 2 Outage
- Unit 3 Outage



Milestone	Scheduled
Award:	Sep-2023
Contractor On-Site:	Jul-2024
On-Site Work Complete	Feb-2025
Contract POP End	Mar-2025



GSU TRANSFORMER REPAIRS - HARTWELL AND J. STROM THURMOND



Scope: \$4.8M Project to Regasket and Repair the GSU Transformers.

Current Status:

- TVA has completed three transformers at J. Strom Thurmond (T1, T2-3, & T4-5).
- Work required that was not included in TVA’s original work authorization:
 - Bushing Refurbishment due to leaks.
 - Turret CT refurbishment

Next Steps:

- All work at Thurmond will be complete in February 2025.
- Hartwell work will begin in June 2025.
- A funding request will be forthcoming for additional costs due to:
 - Bushing & Turret CT refurbishment at Thurmond
 - Additional labor cost for completing Hartwell in FY25.



Milestone	Scheduled
JST T1 Complete	5-Sep-24
JST T4-5 Complete	16-Oct-24
JST T2-3 Complete	12-Nov-24
JST T6-7 Complete	6-Feb-25
HTW Start	2-Jun-25



SAD CONTROLS INFRASTRUCTURE UPDATES



Scope: Implement next generation Unit and GDACS
Supervisory Controls throughout SAD.

SAD Controls Infrastructure Updates % Complete							
Cabinet Supply		Equip. Install		GDACS Install		Control Centers	
Design	82%	Design	38%	Design	36%	Design	8%
Award	38%	Award	14%	Award	15%	Award	0%
Complete	27%	Complete	9%	Complete	23%	Complete	0%
Key Milestones		Remote Ops Capable			Dec-31		
		Control Centers Complete			Dec-31		
		SCADA Upgrades Complete			Jan-31		

Current Status:

- Install Design for HAR 90%.
- Supp & Install Design for JHK 60%
- Russell Cabinet Supply TO: ONGOING.
- JHK Cabinet Supply TO: ONGOING.
- WFG Install: ONGOING.
- Hartwell U3 Install: ONGOING.

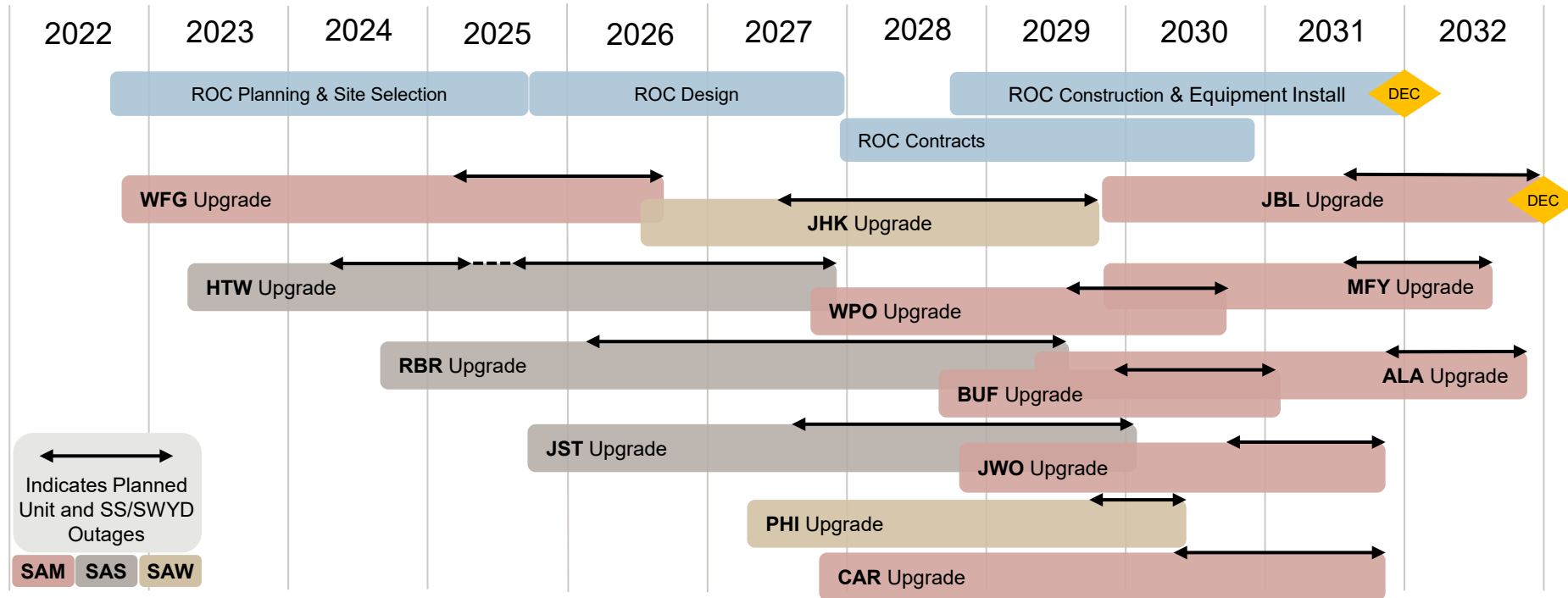
Next Steps:

- Hartwell U3 Commissioning.
- ROC Design Charrette.
- Hartwell U4 Install.
- Complete Plant GDACS & Controls Designs.
- Procure and Install Equipment.



SAD CONTROLS INFRASTRUCTURE UPDATES

Scope: Implement next generation Unit and GDACS Supervisory Controls throughout SAD.



Current Status:

- Install Design for HAR 90%.
- Supp & Install Design for JHK 60%
- Russell Cabinet Supply TO: ONGOING.
- JHK Cabinet Supply TO: ONGOING.
- WFG Install: ONGOING.
- Hartwell U3 Install: ONGOING.

Next Steps:

- Hartwell U3 Commissioning.
- ROC Design Charrette.
- Hartwell U4 Install.
- Complete Plant GDACS & Controls Designs.
- Procure and Install Equipment.



HTSC SIGNIFICANT ACTIVITIES

Forced Outage Responses:

- Carters Transformer

Proactive Projects:

- Turbine Repair
- Drawing Digitization & Library

Programmatic Improvements:

- Long Range Investment Plan
 - LRIP Tool Development COMPLETE.
 - Implementation Ongoing.
 - Initial LRIP List MAR 2025.
- HTSC Process Improvement
 - Resources and Workload Planning
 - HTSC PM/CT Process Documentation
 - Detailed Communication and Change Management Processes

HTSC Challenges:

- Engineer Retention.
- One Field Eng. Replaced.
- One Field Eng. Vacancies remain.

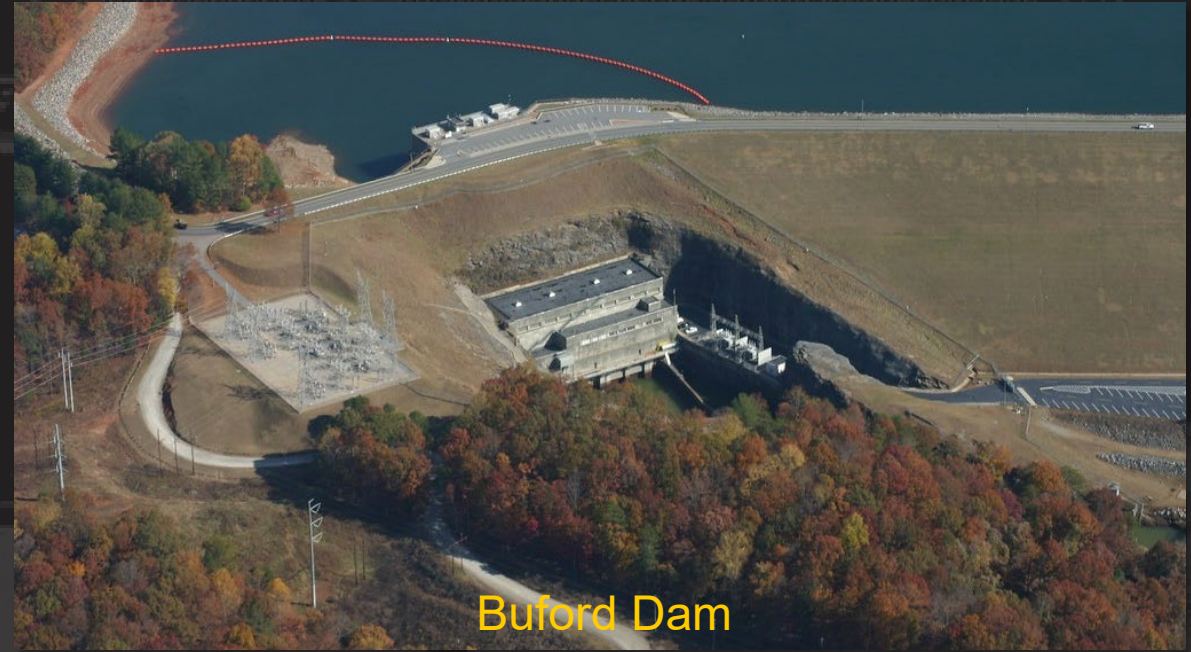




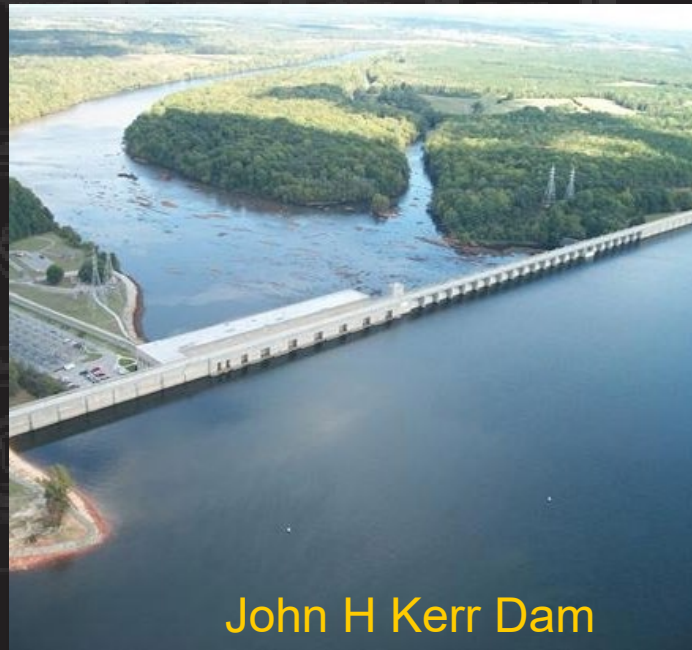
QUESTIONS

LAKE OKEECHOBEE UPDATE

Trent Ferguson, P.E.
Water Management
South Atlantic Division
3 December 2024



Buford Dam



John H Kerr Dam



J. Strom Thurmond Dam



U.S. ARMY



US Army Corps
of Engineers®

- Rainfall Departure Last 90 Days
- U.S. Drought Monitor
- WPC Three Month Outlook
- Current and Forecasted Reservoir Conditions
 - Mobile District
 - Savannah District
 - Wilmington District
- Questions



U.S. ARMY

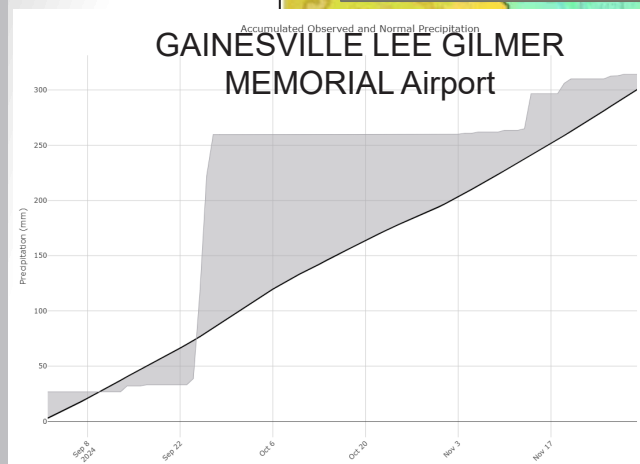
RAINFALL DEPARTURE FROM NORMAL (LAST 90 DAYS)

38

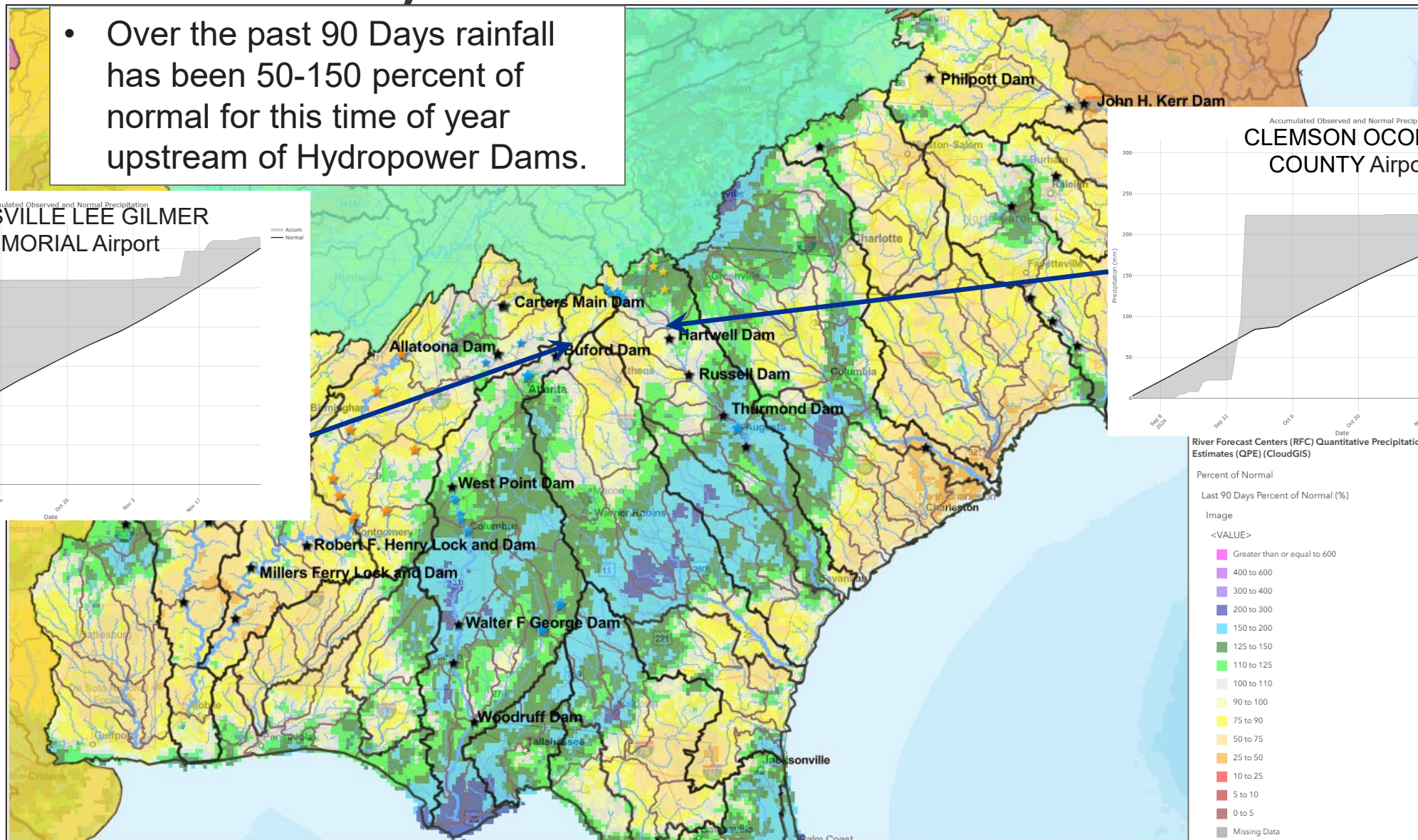
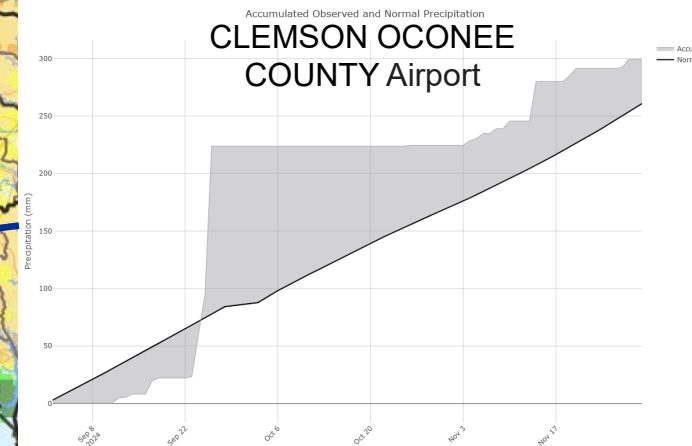


- Over the past 90 Days rainfall has been 50-150 percent of normal for this time of year upstream of Hydropower Dams.

Accumulated Observed and Normal Precipitation
**GAINESVILLE LEE GILMER
MEMORIAL Airport**



Accumulated Observed and Normal Precipitation
**CLEMSON OCONEE
COUNTY Airport**



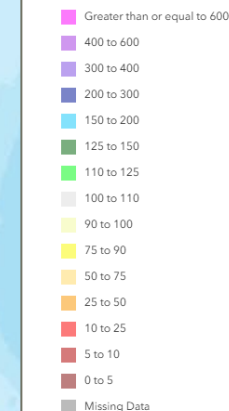
River Forecast Centers (RFC) Quantitative Precipitation
Estimates (QPE) (CloudGIS)

Percent of Normal

Last 90 Days Percent of Normal (%)

Image

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U.S. ARMY

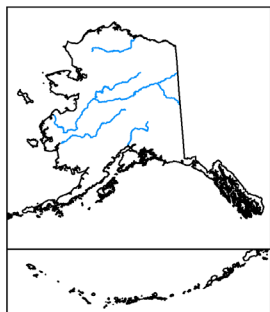
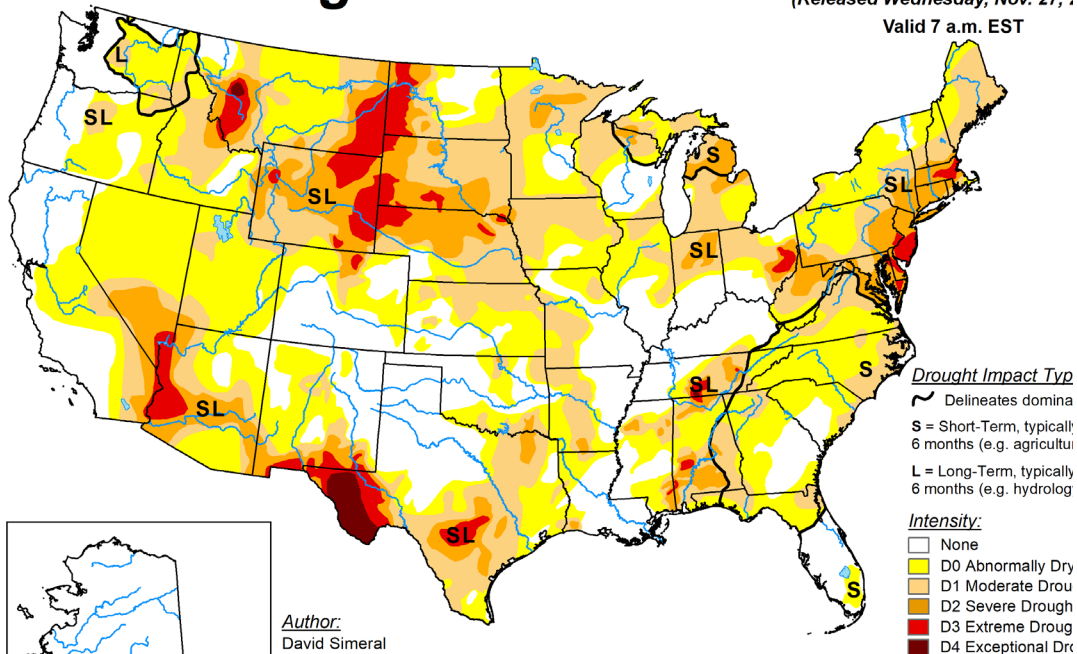
DROUGHT MONITOR (RELEASED 27 NOV 2024)

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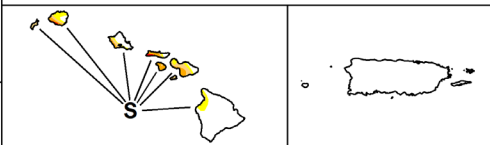


U.S. Drought Monitor

November 26, 2024
(Released Wednesday, Nov. 27, 2024)
Valid 7 a.m. EST



Author:
David Simerali
Western Regional Climate Center

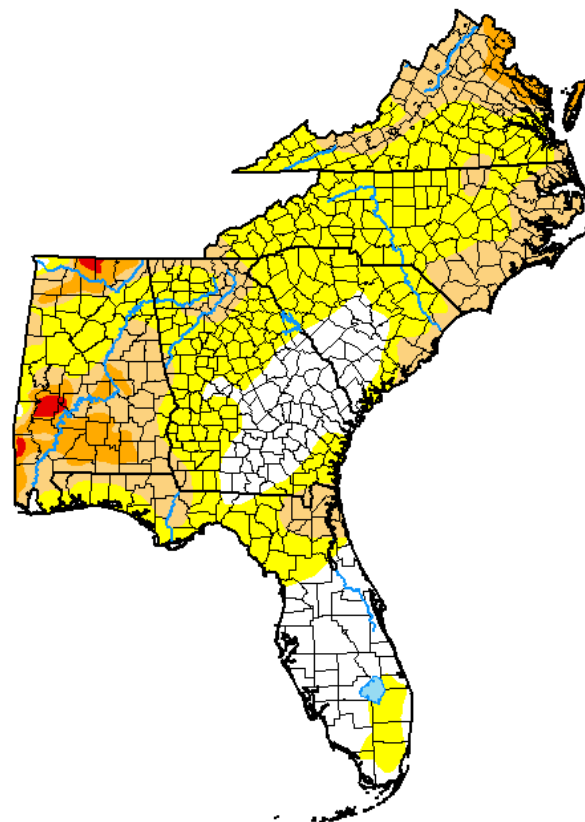


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/>.



droughtmonitor.unl.edu

U.S. Drought Monitor Southeast



November 26, 2024
(Released Wednesday, Nov. 27, 2024)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	20.04	79.96	31.82	6.60	0.54	0.00
Last Week 11-19-2024	21.22	78.78	38.46	9.05	0.57	0.00
3 Months Ago 08-27-2024	55.10	44.90	19.39	2.10	0.00	0.00
Start of Calendar Year 01-02-2024	46.90	53.10	29.74	12.32	2.53	0.00
Start of Water Year 10-01-2024	80.09	19.91	5.69	0.03	0.00	0.00
One Year Ago 11-28-2023	29.60	70.40	52.70	29.69	9.33	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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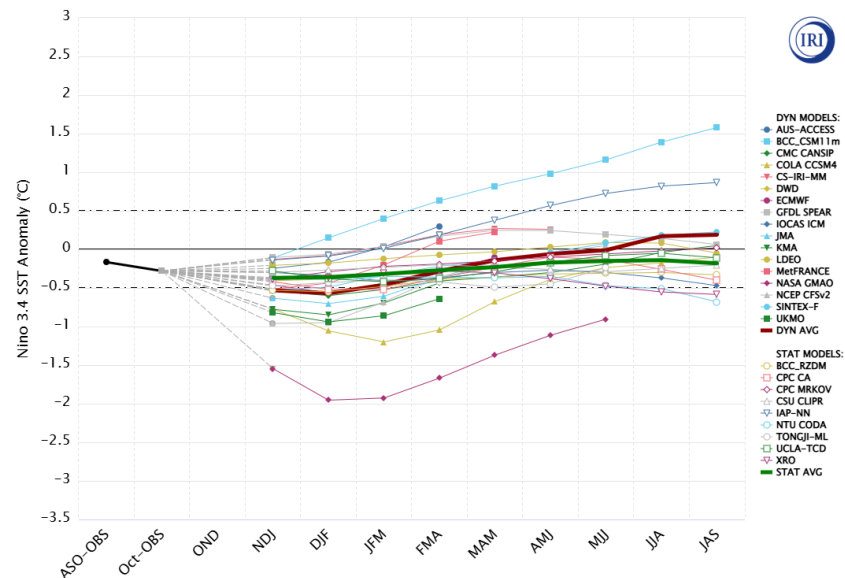
droughtmonitor.unl.edu



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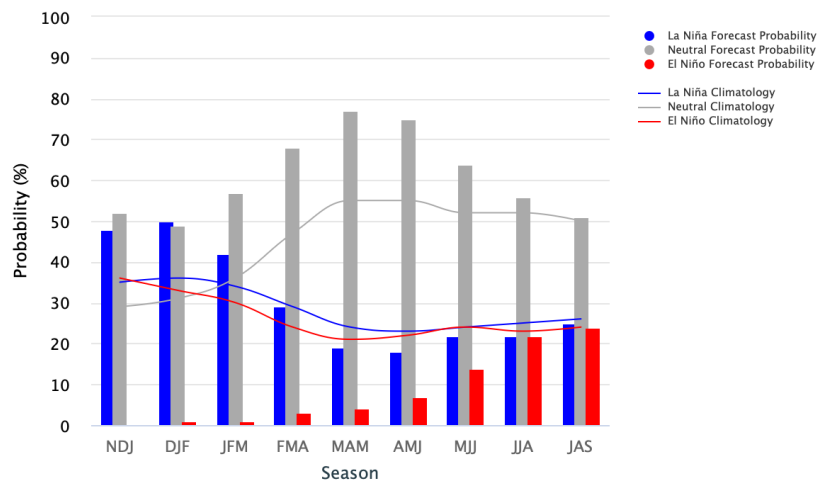
WEATHER PREDICTION CENTER (WPC) THREE MONTH OUTLOOK

Model Predictions of ENSO from Nov 2024



Mid-November 2024 IRI Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5 °C to 0.5 °C

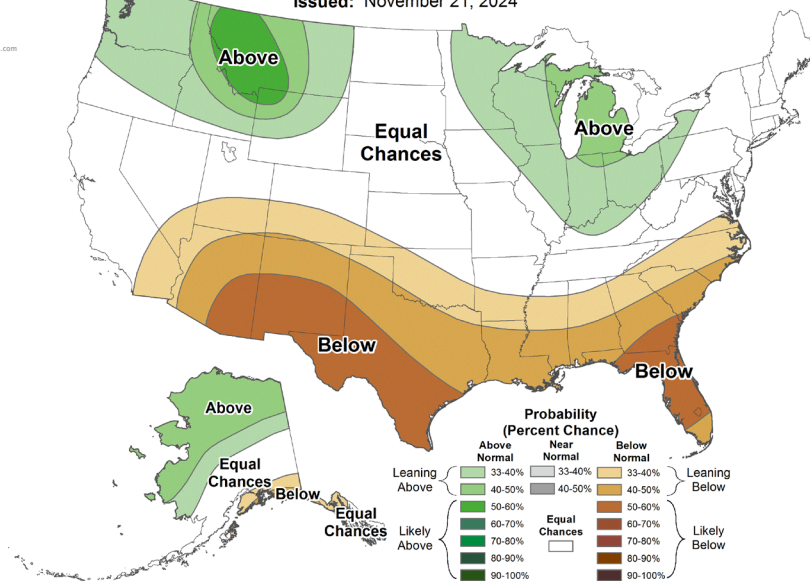


- Currently in Neutral Conditions
- ENSO neutral is generally associated with fairly normal winter weather patterns across the US.
- The southern US is warm and wet.



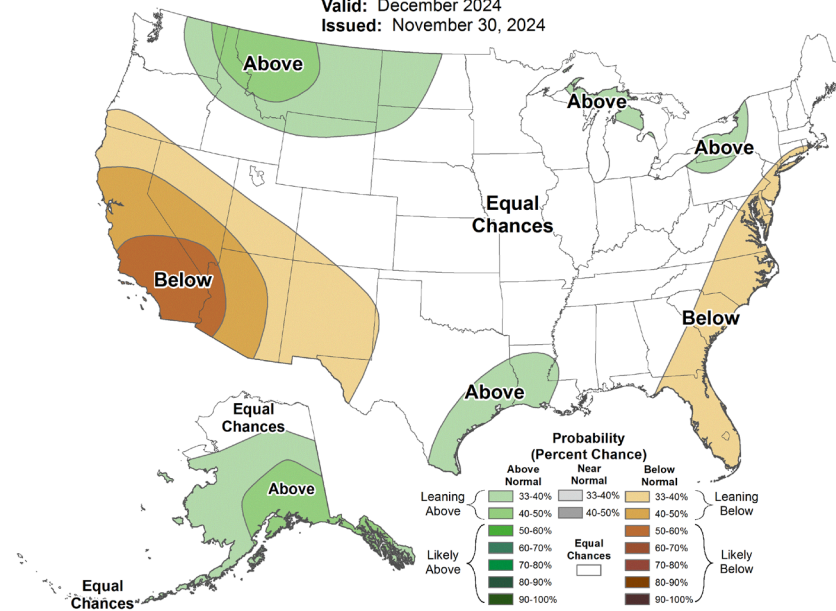
Seasonal Precipitation Outlook

Valid: Dec-Jan-Feb 2024-25
Issued: November 21, 2024



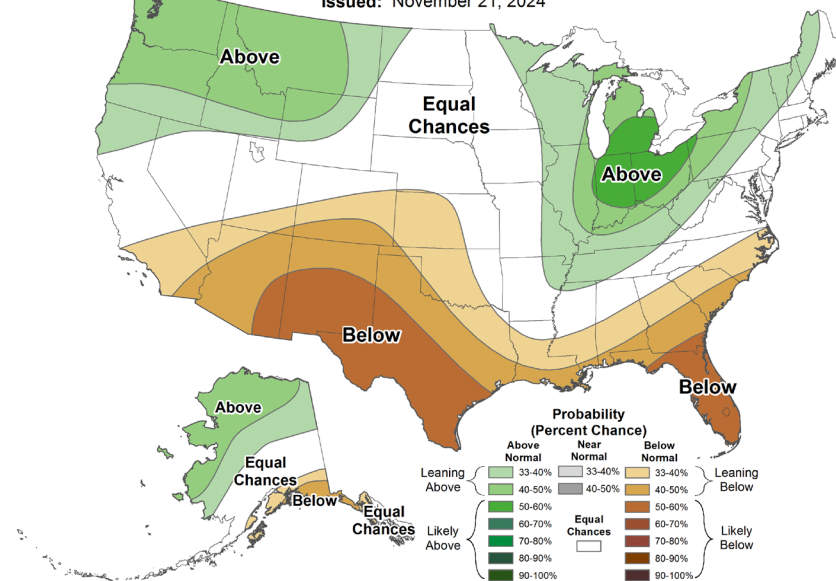
Monthly Precipitation Outlook

Valid: December 2024
Issued: November 30, 2024



Seasonal Precipitation Outlook

Valid: Jan-Feb-Mar 2025
Issued: November 21, 2024





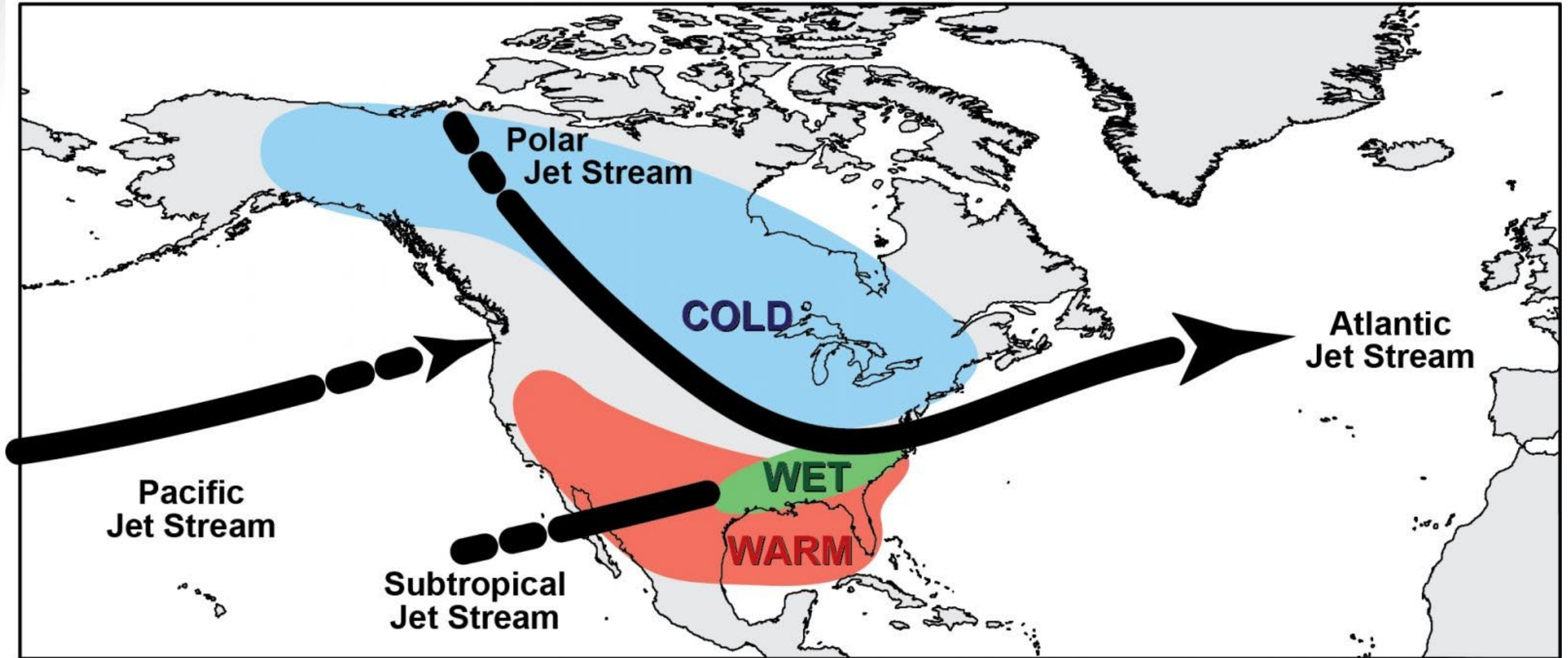
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NORMAL WINTER PATTERNS FOR ENSO NEUTRAL CONDITIONS

41



ENSO-Neutral Winter Pattern



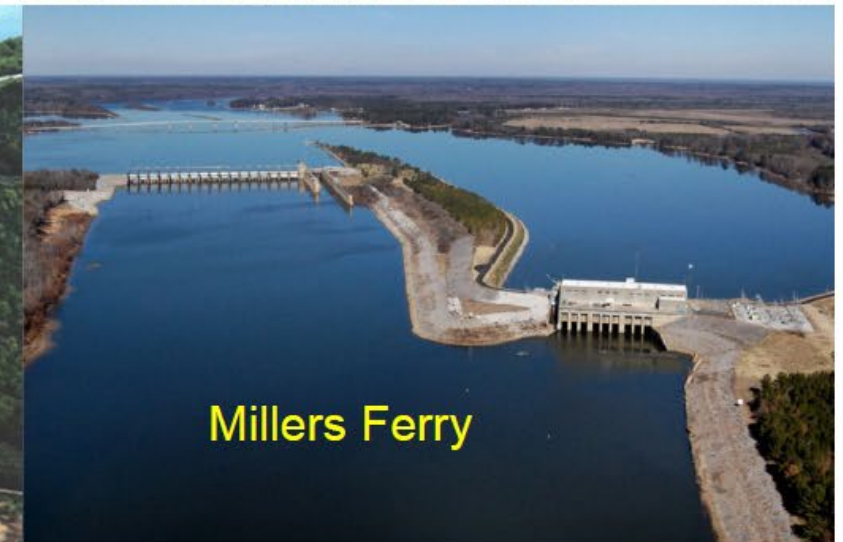
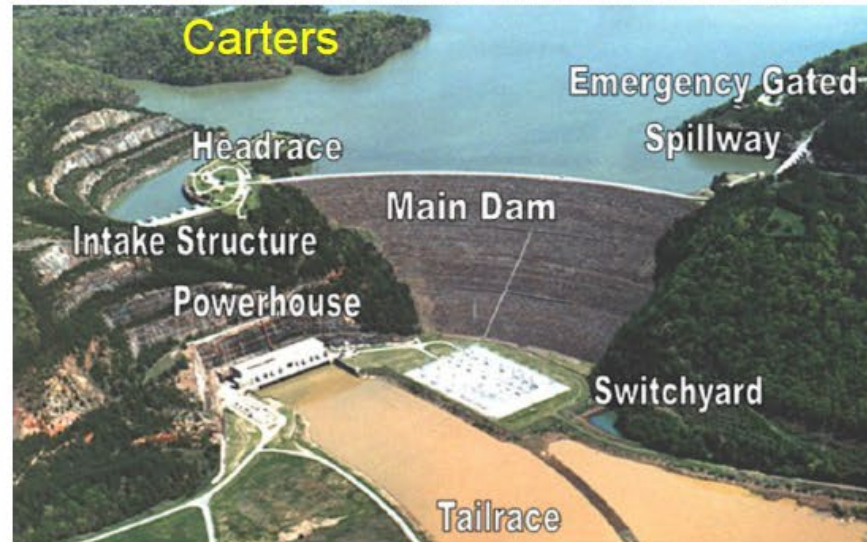
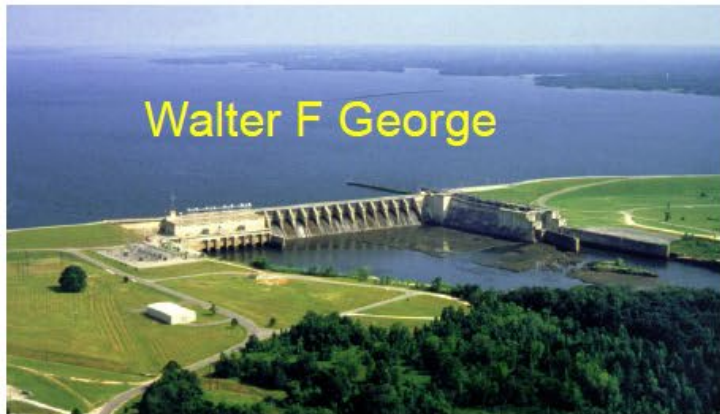
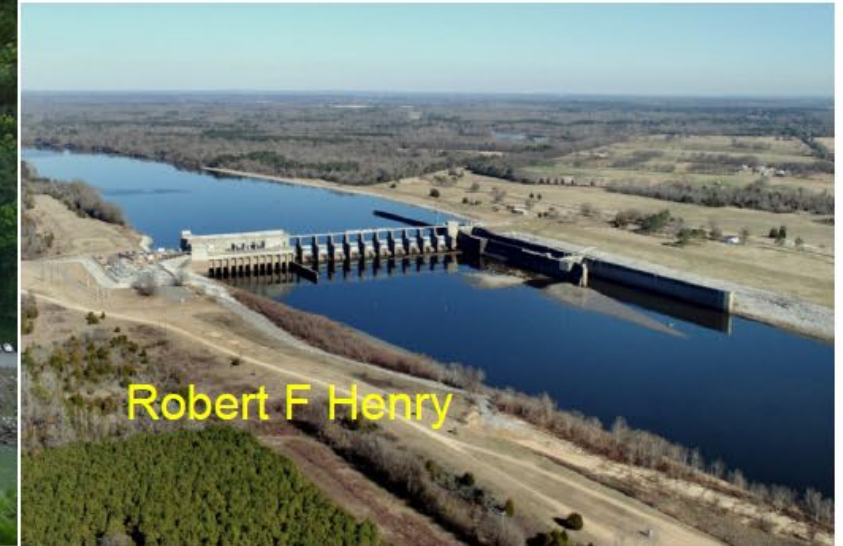
Typical winter impacts associated with ENSO neutral events. Colder probabilities are favored across north-central and northeast portions of the US, due to a polar jet stream shifted further south. Meanwhile, warmer probabilities are favored across the southern US, with above normal precipitation favored across portions of the southeast US. Image courtesy of Ray Wolf, National Weather Service.



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MOBILE DISTRICT

42





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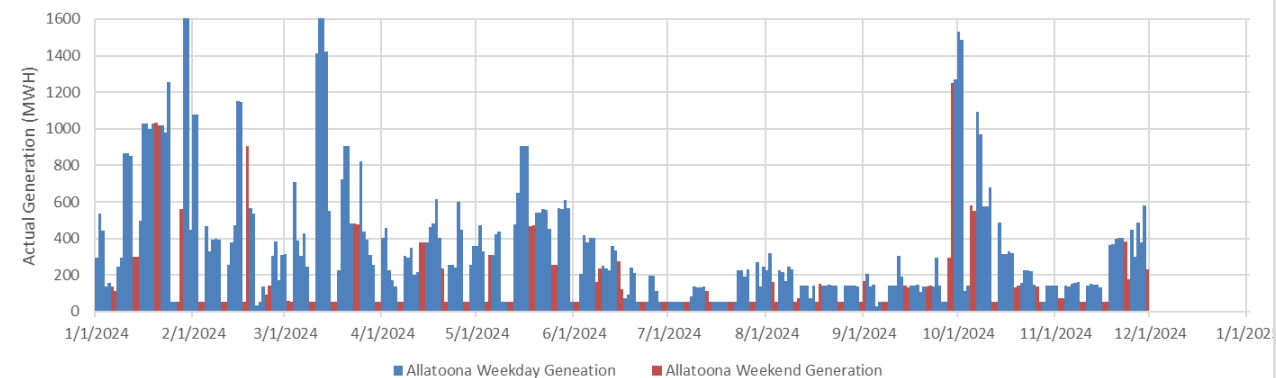
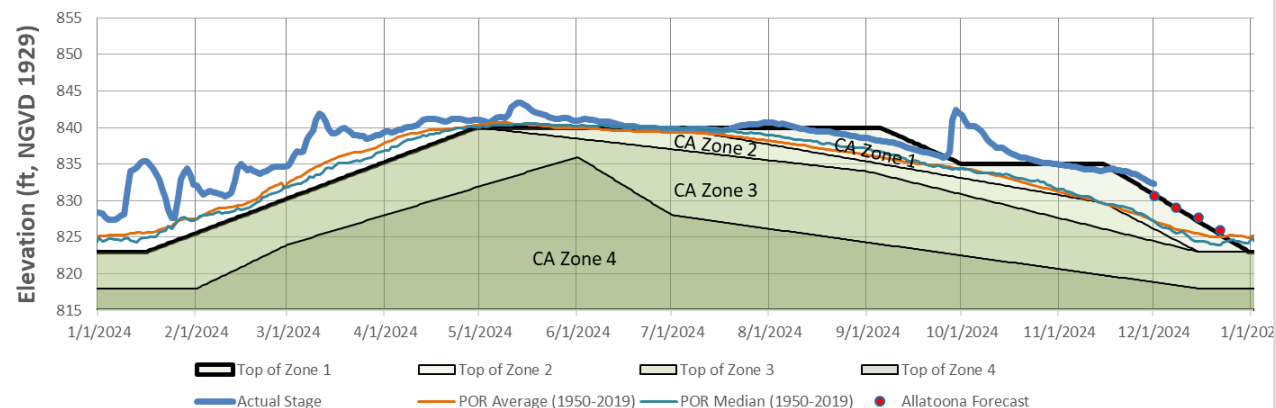
ALABAMA-COOSA-TALLAPOOSA (ACT) UPPER ACT CURRENT AND FORECASTED CONDITIONS

43



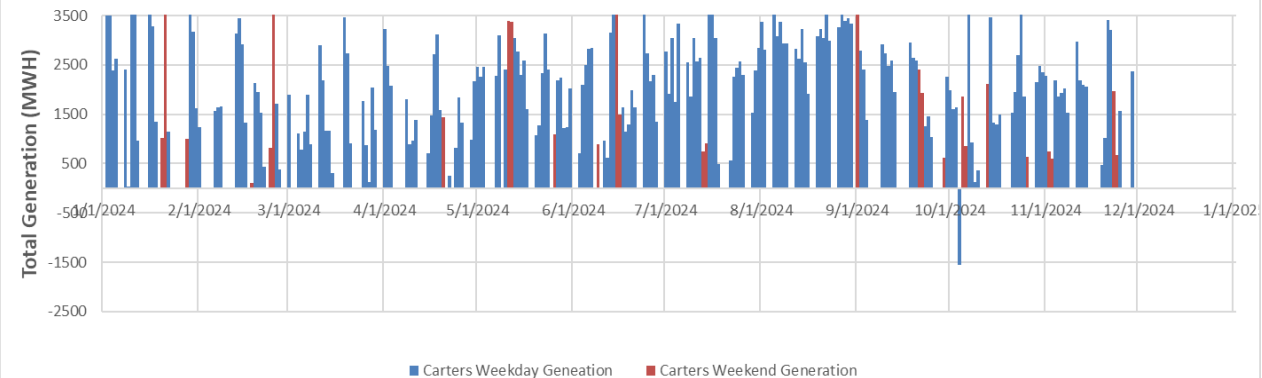
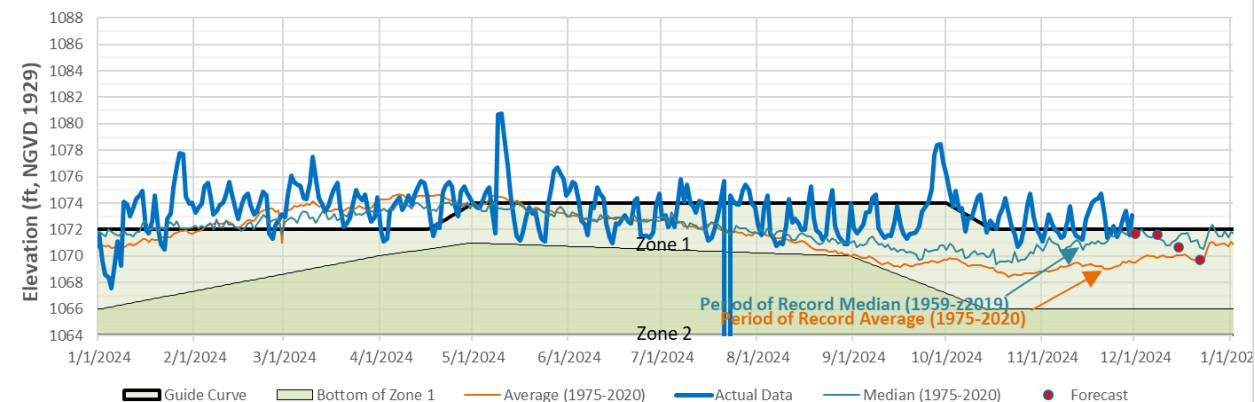
ALLATOONA DAM

Alabama-Coosa-Tallapoosa (ACT) Basin, ETOWAH RIVER, GEORGIA



CARTERS DAM

Alabama-Coosa-Tallapoosa (ACT) Basin, COOSAWATTEE RIVER, GEORGIA

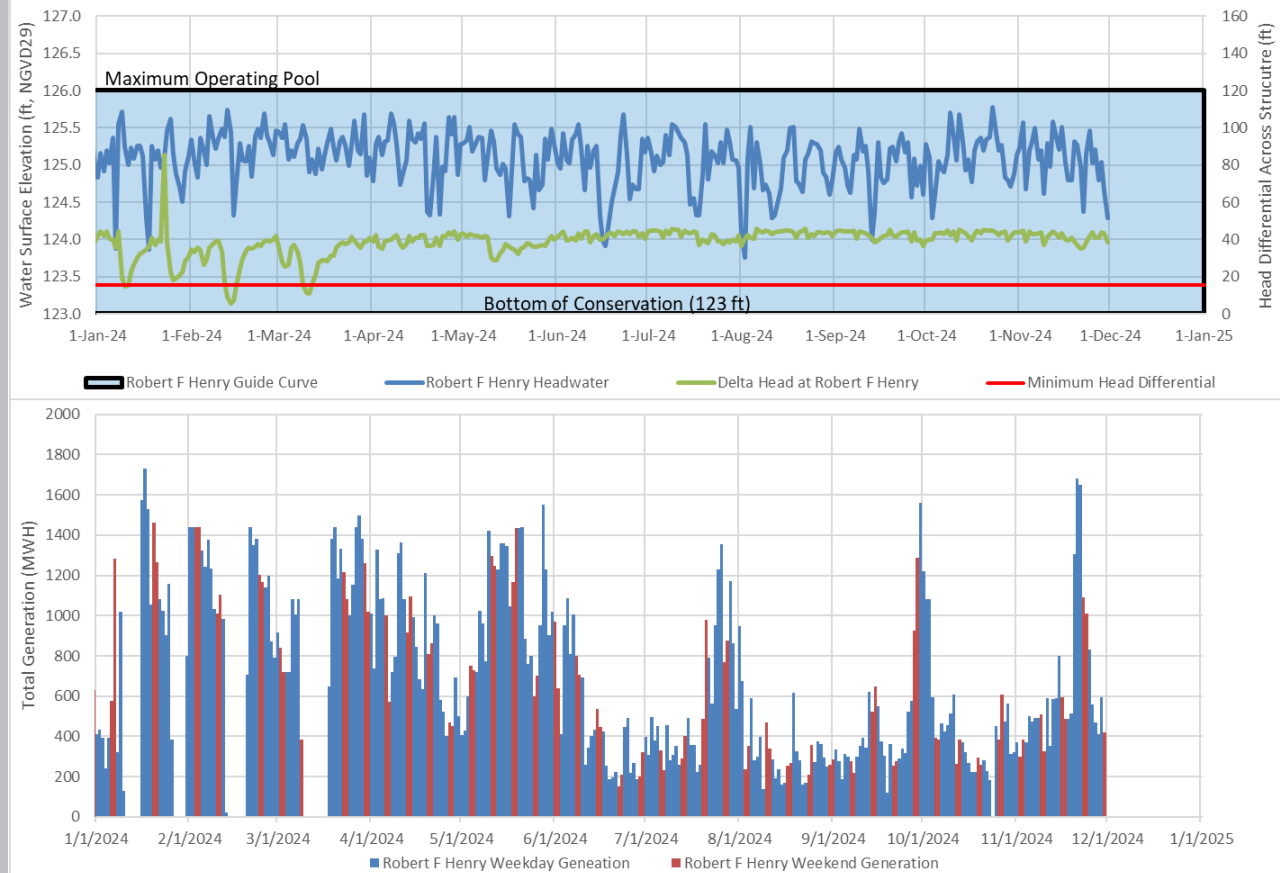




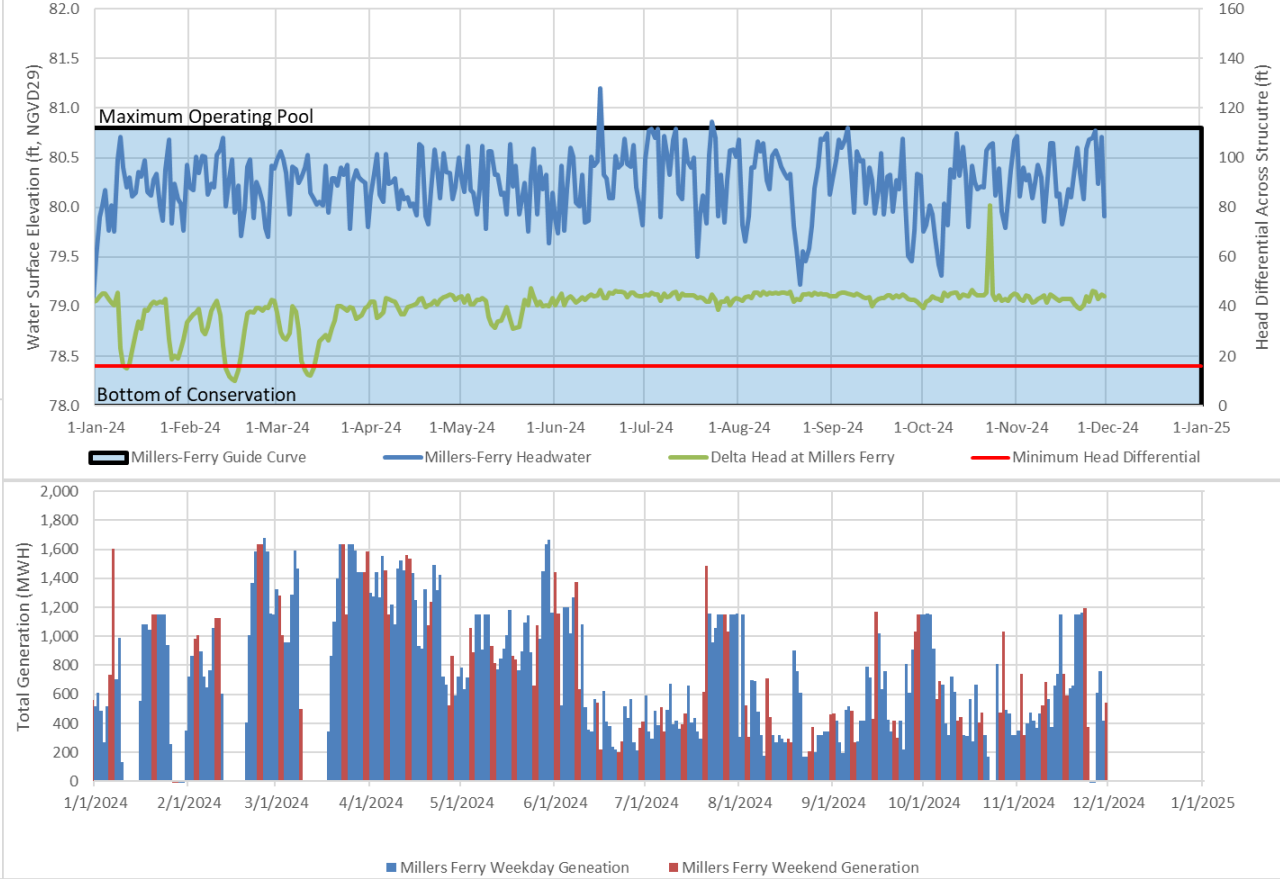
ALABAMA-COOSA-TALLAPOOSA (ACT)

LOWER ACT CURRENT CONDITIONS

Robert F Henry Lock and Dam



Millers Ferry Lock and Dam





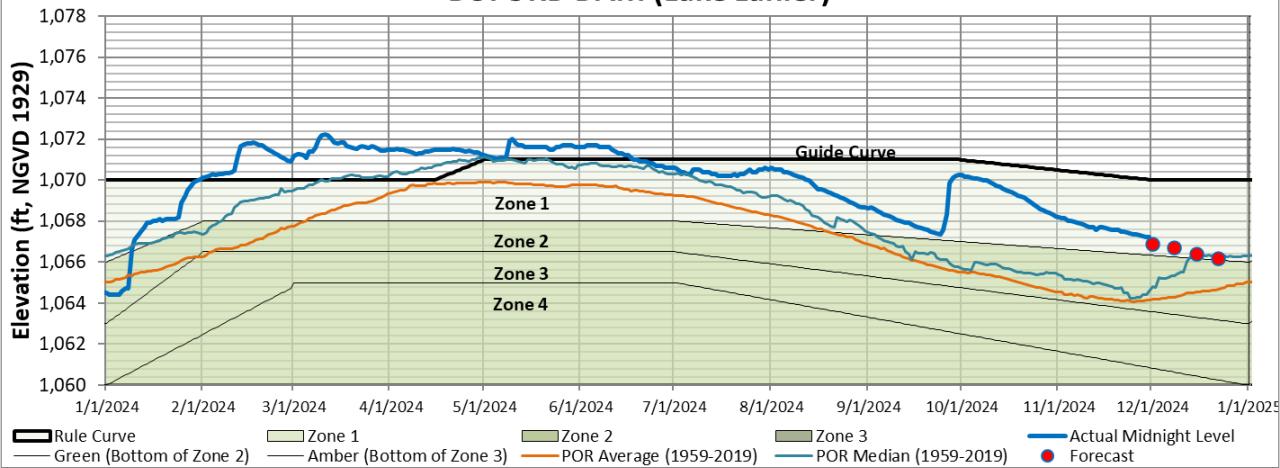
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APALACHICOLA-CHATTAHOOCHEE-FLINT (ACF) CURRENT AND FORECASTED CONDITIONS

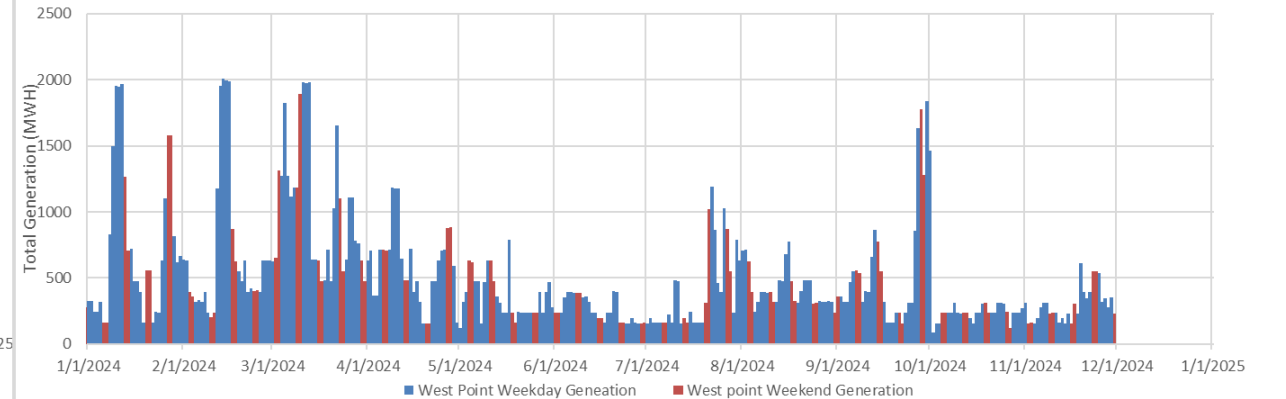
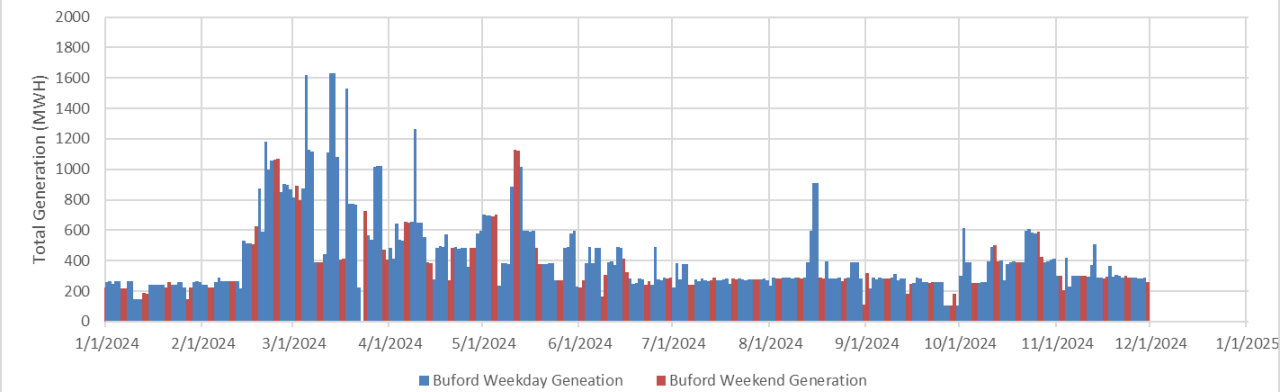
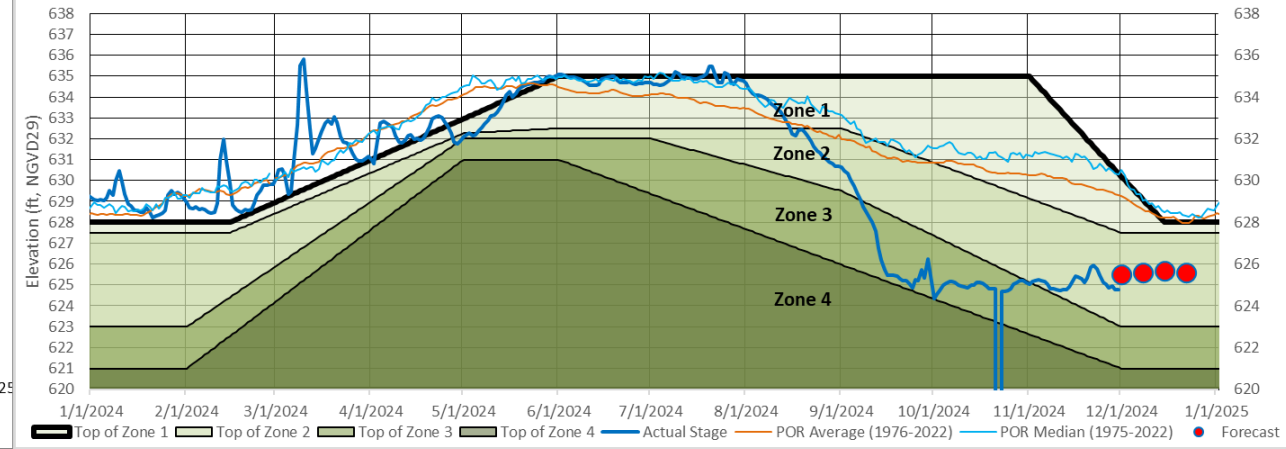
45



BUFORD DAM (Lake Lanier)



West Point Dam





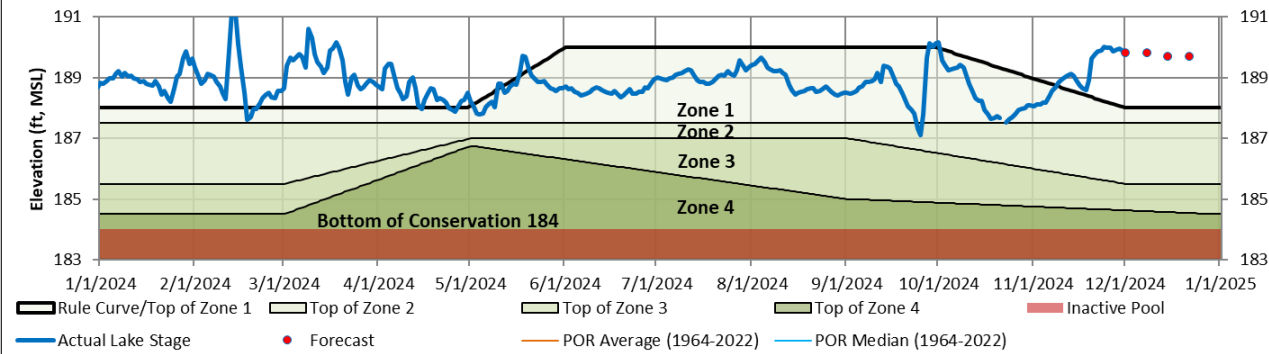
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APALACHICOLA-CHATTAHOOCHEE-FLINT (ACF) CURRENT AND FORECASTED CONDITIONS

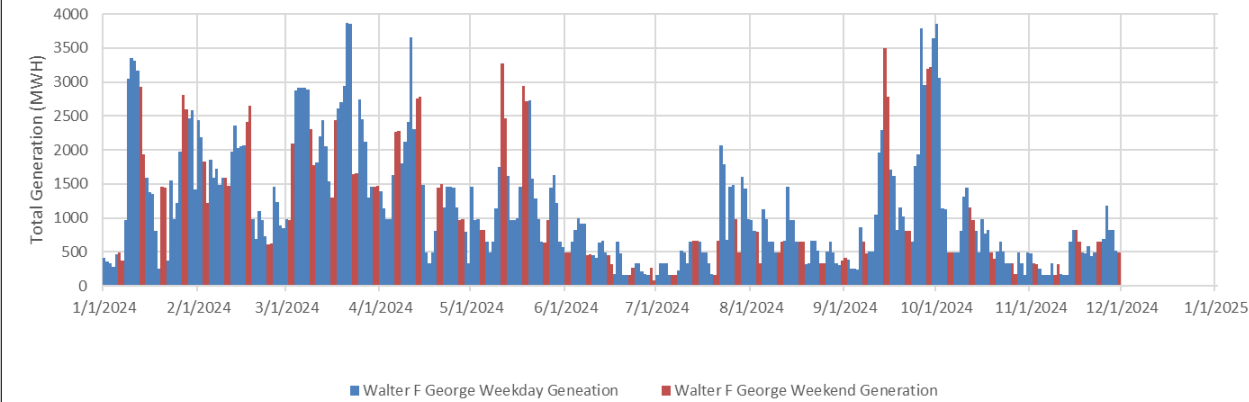
46



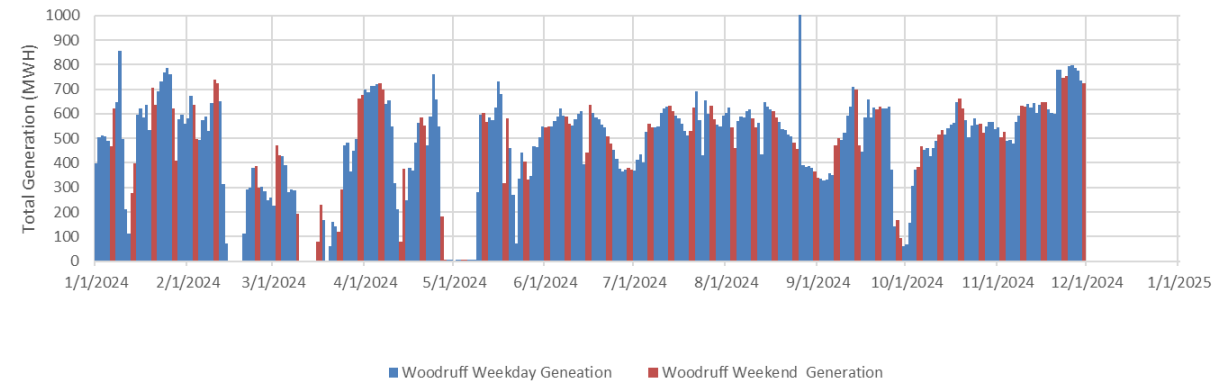
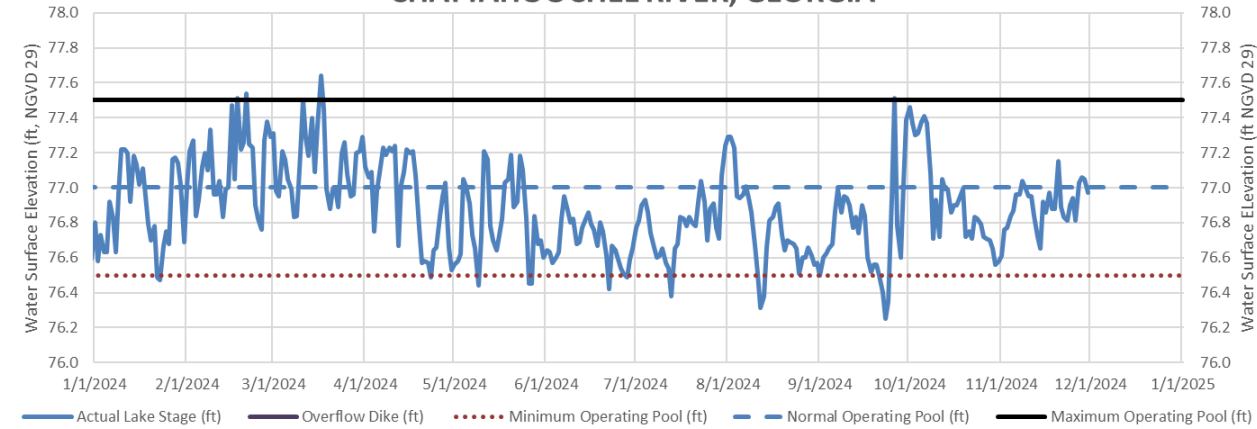
**W. F. GEORGE DAM
CHATTAHOOCHEE RIVER, GEORGIA**



Walter F. George - Daily Gross Generation



**JIM WOODRUFF DAM
CHATTAHOOCHEE RIVER, GEORGIA**

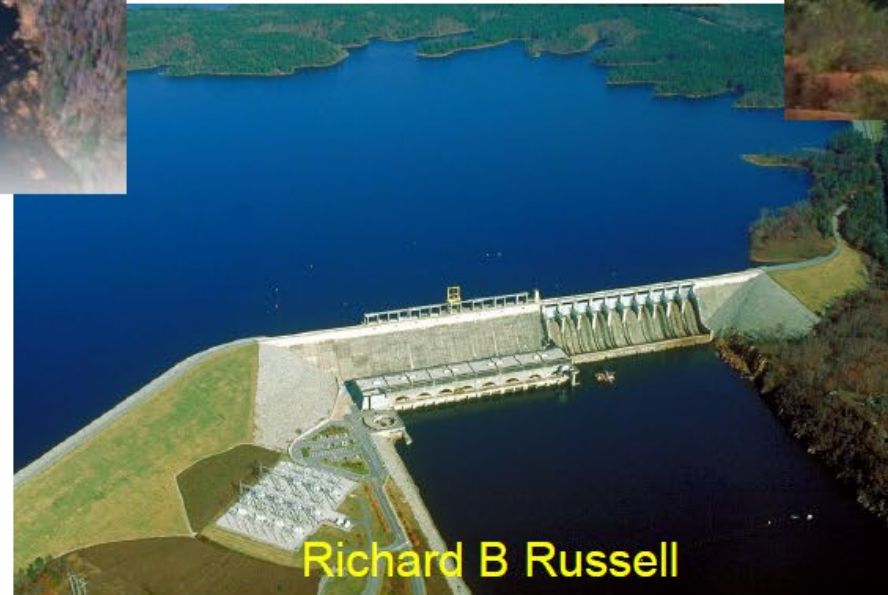




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SAVANNAH RIVER BASIN

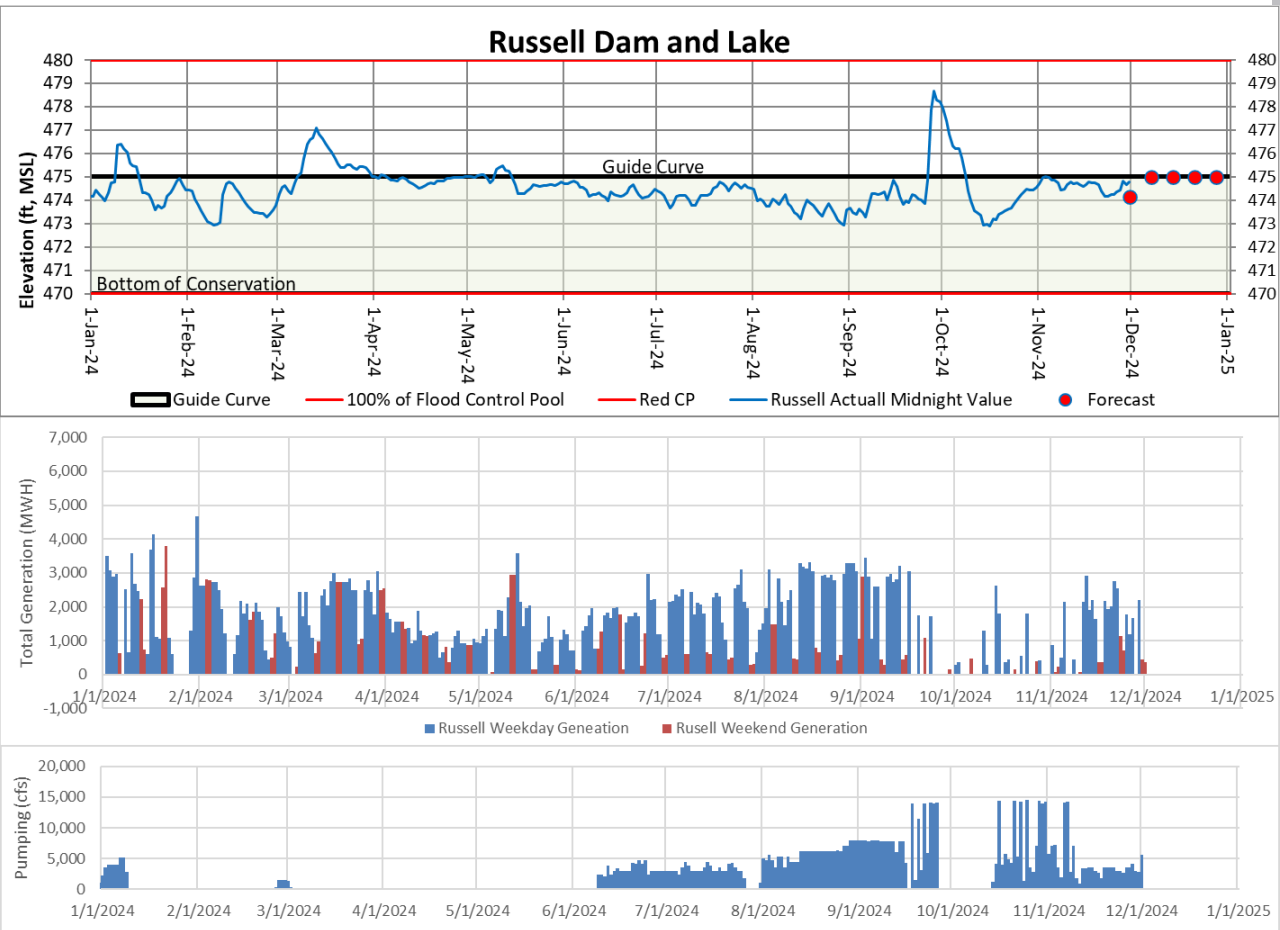
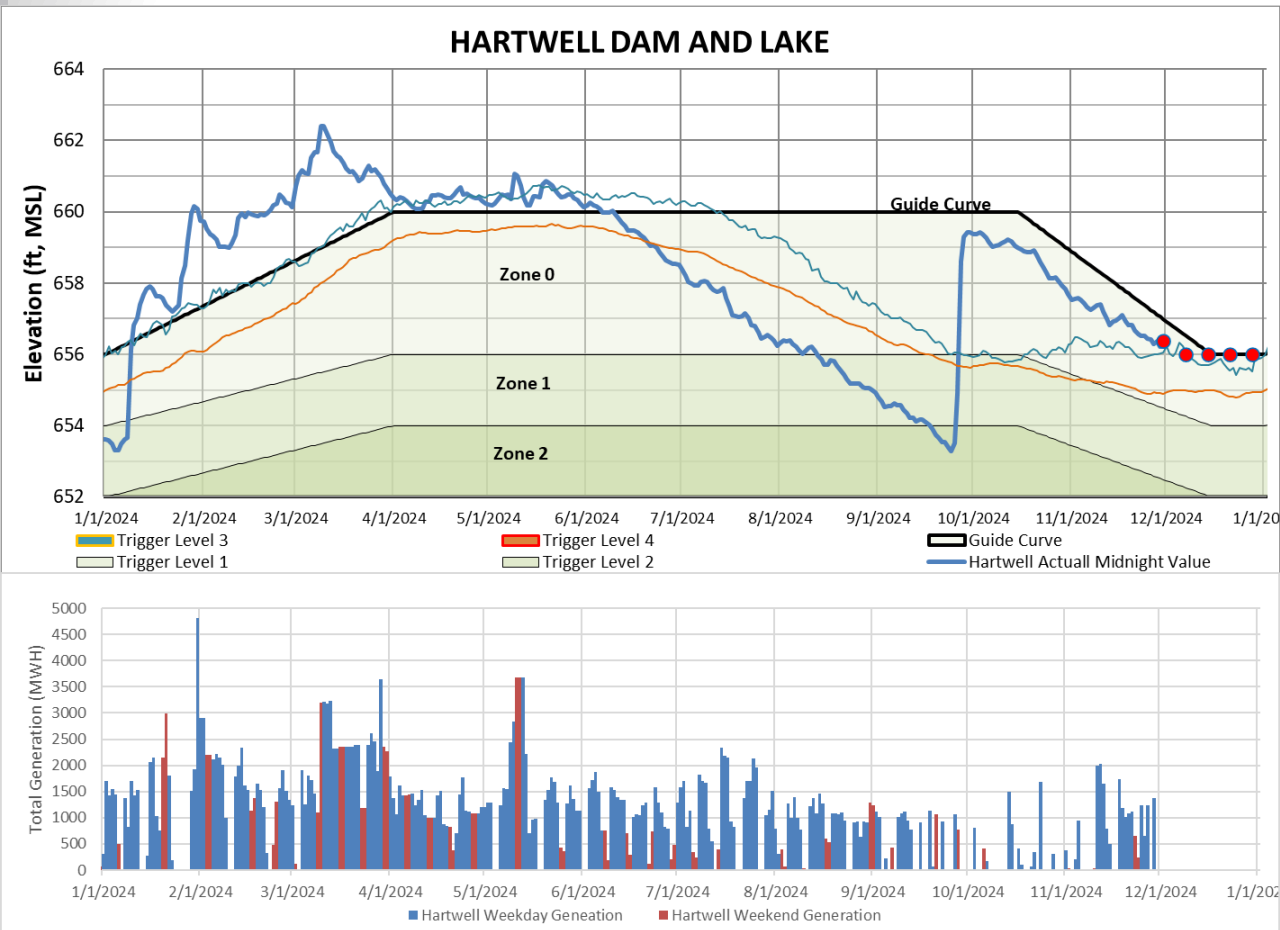
47



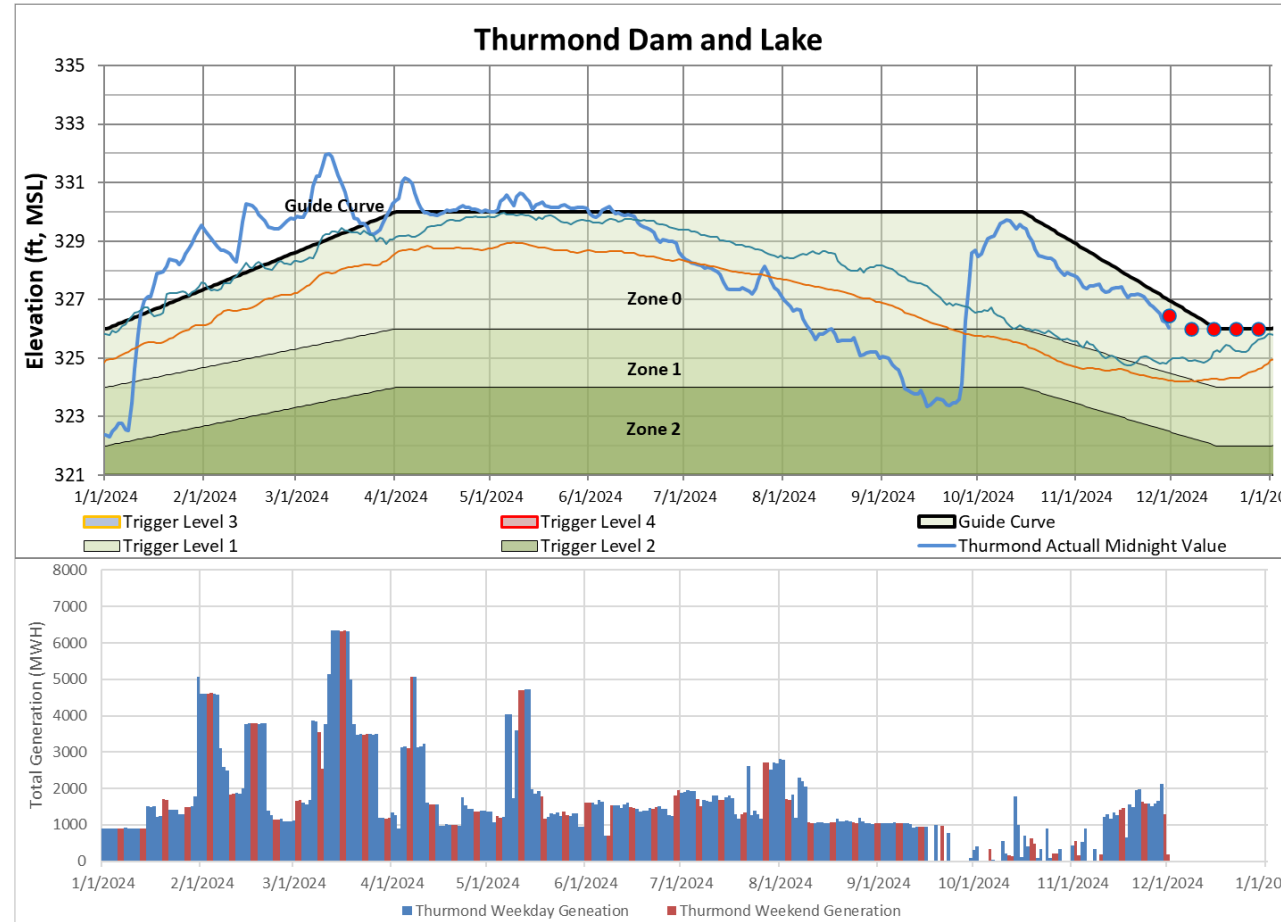


SAVANNAH RIVER

CURRENT AND FORECASTED CONDITIONS



 SAVANNAH RIVER
CURRENT AND FORECASTED CONDITIONS





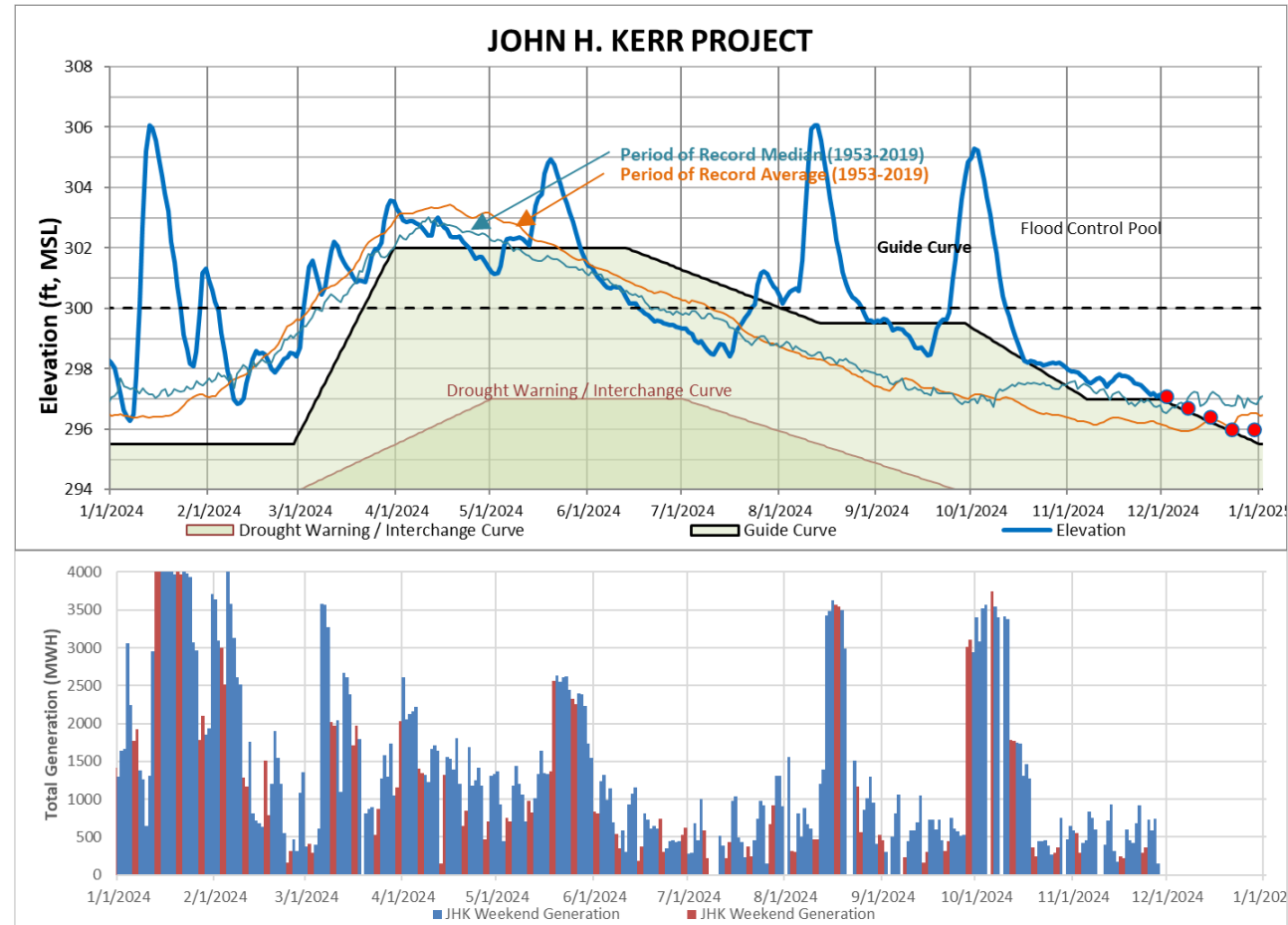
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ROANOKE RIVER BASIN

50



 ROANOKE RIVER BASIN
CURRENT AND FORECASTED CONDITIONS





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QUESTIONS

52





PHILPOTT LANDSLIDE REMEDIATION

- Contract awarded on 29 September 2023 for \$19,734,579, plus design, EDC and S&A costs collectively estimated at \$6 million.
- Estimated completion is February 2026.
- Major elements of work:
 - Stabilize upper road/Secant Pile Wall (Asset)
 - Landslide Mitigation System (Asset)
 - East slope grading/overburden removal (Expense)
 - Stormwater management improvements (Asset)
 - Switchgear building (Asset)
- Current Cost Mix: 80% Capital; 20% Expense
- Status: 49 of 85 (57%) pilings are complete. 55% of the material has been removed from the hillside. The detention vault has been completed, but the piping from the drains needs to be installed.

