

Santee Cooper IRP Stakeholder Process 2024-2026

Coal Retirement Technical Meeting #3 – Meeting Summary

Date: 1/29/2026

Time: 10:03 AM – 10:32 PM EDT

Location: Virtual Meeting via Zoom, Vanry Associates hosting

Topics and Presenters

Technical Session – Coal Retirement Study

Clay Settle, Director System Planning, Santee Cooper

Bob Davis, Executive Consultant, nFront Consulting

Clay Settle opened the meeting by reviewing the scenarios for full Cross Retirement and Cross 1&2 Retirement and the schedule for the retirement study¹. Clay provided an update on the schedule for transmission studies supporting the retirement analysis explaining that results were not yet available. Clay explained to the group that the delay in the availability of results would require adjustments to the overall retirement study schedule. Clay noted that this change would allow for the retirement study to align with the 2026 Integrated Resource Plan (IRP) analysis and provides the opportunity to utilize the same assumptions, including the 2026 Load Forecast. Finally, Clay acknowledged the Office of Regulatory Staff's recommendations and the Joint Intervenors² comments related to the retirement study filed in the 2025 IRP Update Docket³. Throughout the meeting, the group had discussions on each of the topics. The slide deck presented at the meeting is attached for reference

Meeting Action Items

The following is a summary of action items, with status updates if applicable, agreed to at the close of the meeting.

ACTION ITEMS	RESPONSIBLE PARTY
Santee Cooper agreed to consider having an expert from Transmission Planning attend future meetings to review results of the transmission studies.	Santee Cooper
Anna Sommer committed to providing additional materials, for Santee Cooper to review and consider, regarding stronger integration of transmission and generation planning and analysis methodologies.	Energy Futures Group
Santee Cooper committed to holding another technical session, if necessary, to review results from the transmission studies.	Santee Cooper

¹ Slides and information were previously presented at Coal Retirement Technical Meetings 1 and 2 held on April 10, 2025 and May 29, 2025, respectively.

² Comments were submitted by Energy Futures Group (EFG), on behalf of Coastal Conservation League, Southern Alliance for Clean Energy, and Sierra Club

³ Docket 2025-18-E at the Public Service Commission of South Carolina.



Santee Cooper Resource Planning

Coal Retirement Technical Meeting #3

January 29, 2026



Coal Retirement Methodology

Clay Settle, Director System Planning, Santee Cooper
Bob Davis, Executive Consultant, nFront Consulting

Full Cross Retirement Scenarios



Resource	Capacity Additions (Retirements) (MW)				
	No Cross Retirement	Optimized	Relaxed Renewables, Allow Peaking	Nuclear	
New NGCC					
• 2031-2034	1,020	1,020	1,020	1,020	
• 2035	0	2,034	0	0	
New Peaking					
• 2031-2034	1,150	894	804	894	
• 2035	0	447	1,520	256	
New Nuclear					
• 2031-2034	0	0	0	0	
• 2035	0	0	0	2,330	
New Solar					
• 2026-2034	2,200	1,900	2,350	1,500	
• 2035	0	0	550	0	
New BESS					
• 2026-2034	300	300	250	250	
• 2035	0	0	1,100	50	
New Wind					
• 2029-2034	0	150	800	0	
• 2035	0	100	200	0	

Resource Siting Considerations

- **Natural Gas Resources**
 - Canadys NGCC assumed for all cases
 - Hampton site assumed up to ~2,200 MW
 - SW region of SC assumed for the remaining NG
- **Solar**
 - Assuming similar project locations of solar projects in the interconnection queue
- **Battery Storage (BESS)**
 - Jefferies site assumed for the first 300 MW
 - For remaining BESS, assuming similar project locations of BESS projects in the interconnection queue
- **Wind**
 - First 250 MW of wind assumed on-shore, sited to minimize transmission impact
 - Remaining wind assumed off-shore connecting near Georgetown
- **Nuclear**
 - 1:1 capacity replacement assumed at Cross

Cross 1&2 Retirement Scenarios



Resource	Capacity Additions (Retirements) (MW)				
	No Cross Retirement	Optimized	Relaxed Renewables, Allow Peaking	Nuclear	
New NGCC					
• 2031-2034	1,020	1,020	1,020	1,020	1,020
• 2035	0	1,360	0	0	0
New Peaking					
• 2031-2034	1,150	894	894	894	894
• 2035	0	0	939	256	
New Nuclear					
• 2031-2034	0	0	0	0	0
• 2035	0	0	0	1,155	
New Solar					
• 2026-2034	2,200	1,750	2,000	1,500	
• 2035	0	0	0	0	
New BESS					
• 2026-2034	300	250	250	300	
• 2035	0	0	250	0	
New Wind					
• 2029-2034	0	200	400	0	
• 2035	0	0	100	0	

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2025-2026 Cross Retirement Study



April 10
Technical Meeting #1
Scenario Development
and Initial Builds

May 29
Technical Meeting #2
Scenario Update and
Study Process Overview

2026

September 16
File 2025 IRP Update

SWG Meeting 5
February 26
Coal Retirement
Methodology

Transmission
Scenario
Development

SWG Meeting 7
June 4
2025 IRP Update
Assumptions

Transmission Studies

2 Weeks Post-Filing
2025 IRP Update Files
Available

SWG Meeting 8
October
Update on Study

SWG Meeting 9
February
Update on Study

Cross Retirement Evaluation

Stakeholder Feedback and Retirement Evaluation
Refinement

F1. ORS recommended for the 2026 Comprehensive IRP, Santee Cooper perform an optimal Cross retirement study, co-optimize resource decisions including the retirement date for Winyah, the need for an additional NGCC resource beyond the Joint Resource, the potential for large load additions, and the potential for acquiring capacity from V.C. Summer Units 2 and 3.

8. The transmission analyses referenced in the IRP do not comport with standard industry practice in that they do not appear to apply flow-based attribution methods such as distribution factor or shift factor screening to quantify how individual resources, retirements, or large loads contribute to specific transmission constraints.
18. Santee Cooper should conduct a thorough, unbiased analysis prior to its 2026 IRP to determine the optimal retirement dates for both of its coal plants, including the total projected capital costs and O&M costs at both of those plants.
19. Santee Cooper should clarify which coal capacity on its system can be replaced by the Joint Resource and/or other resources and commit to a coal retirement upon the construction of those resource(s).

Next Steps



- Provide schedule update at the February 26th Stakeholder Working Group Meeting
- Schedule additional technical sessions as needed