

2024-2026 IRP Stakeholder Process

General Notice Meeting #1 – Meeting Summary

Date: July 18, 2024

Time: 1:00 pm – 3:50 pm EDT

Location: Virtual Meeting via Zoom, Vanry Associates hosting

Topic: Santee Cooper 2024 IRP Update

- An opportunity for stakeholders to learn more about Santee Cooper’s resource planning initiatives and to give comments on its 2024 annual Integrated Resource Plan (IRP) update that will be filed in September of this year

The following referenced attachments are posted as separate documents at SanteeCooper.com/IRP and can be found by clicking through to the [2024-2026 IRP Stakeholder Process](#) page and referencing the 2024-2026 General Notice Meetings section.

1. Meeting 1 Presentation
2. Recording of Meeting
3. Question and Answer (Q&A) Log

In this summary:

- Registration and Attendee Overview
- Agenda, Presenters, and Topics
- Q&A Summary
- Post-Meeting Survey Summary
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Registration and Attendee Overview

Stakeholders were able to register via a link on the SanteeCooper.com/IRP webpage. The link led to a registration form in the Zoom platform. Upon registering, they received a confirmation email with options and instructions on how to join the meeting. Registrants also received two reminder emails: one week and one day, before the session.

Santee Cooper also used various means to announce the meeting to customers and stakeholders. These included print advertisements, a press release, and social media. Additionally, Santee Cooper team members contacted contacts directly, alerting them to the meeting and registration. This included the newly formed IRP Stakeholder Working Group whereby members received an email on June 20, 2024.

Registration for the session opened on June 21, 2024. In summary

- 150 registrations were received up to the start of the meeting on July 18, 2024
- 77 individuals, or 51% of those registered, attended all, or a portion, of the meeting
- All but one attendee represented external stakeholders; one was a Santee Cooper employee
- 12 of the attendees are members of the IRP Stakeholder Working Group
- About 69 or 90% of the external stakeholders either self-identified or, based on their email, were identified as being affiliated with an organization
- 33 or 43% of the external stakeholders joined the meeting from outside the State of South Carolina

Appendix A includes a list of meeting attendees. The list excludes Santee Cooper employees and its IRP consultants.

Agenda, Presenters, and Topics

The agenda and associated times were included in the presentation posted to the SanteeCooper.com/IRP webpage on July 9, 2024, and registrants were notified in both the one-week and one-day meeting reminders. Facilitators adjusted the timing to ensure an appropriate time and flow for presentations, questions, and discussion. Less time than anticipated was needed to cover all of the topics planned for this meeting, so a decision was made to work through the second break and allow the meeting to conclude ahead of schedule. The times below reflect the planned and actual.

AGENDA

1:00 pm /1:00 pm	Welcome & Agenda	Stewart Ramsay, Meeting Facilitator, Vanry Associates Stewart explained the purpose and value of the IRP meeting to participants, encouraging them to ask questions through the Q&A function or by raising their hands. He outlined the meeting agenda, which included topics such as load forecast, effective load-carrying capability, major assumptions, portfolio sensitivities, and metrics.
1:15 pm /1:09 pm	Introductions	Jane Campbell Sr. Director Resource Planning, Santee Cooper Jane provided an overview of Santee Cooper's integrated resource planning process, including upcoming IRP filings through 2026 and the company's statutory, contractual, and regulatory obligations. She discussed Santee Cooper's commitment to continued stakeholder engagement, including the addition of stakeholder working group meetings to the engagement plan. Jane also explained the purpose of the annual IRP update, which is to review and update the base planning assumptions from the previous IRP filing.
1:50 pm /1:35 pm	Load Forecast	Greg McCormack, Sr. Manager Financial Forecast, Santee Cooper Greg explained Santee Cooper's load forecast process, highlighting the significant growth in the Myrtle Beach area and the company's collaboration with Central Electric Cooperative on the forecast. He discussed Santee Cooper's service territory and the potential for large industrial load growth, leading the company to propose a stochastic analysis to evaluate the impact of these potential loads. Greg discussed Santee Cooper's load growth projections.

2:20 pm **Effective Load Carrying Capability Update** **Joel Dison, Technical Manager, Astrapé Consulting**
 /2:05 pm
 Joel explained the concept of effective load-carrying capability (ELCC) and how it is used to determine the capacity value of variable energy resources like solar and wind compared to a perfect capacity resource. He discussed the difference between average ELCC, which represents the capacity value of a large block of resources, and marginal ELCC, which represents the incremental capacity value of the next resource added to the system. Finally, Joel presented Astrapé Consulting’s approach to calculating ELCC for different combinations of solar, wind, and storage resources, taking into account the synergies between these technologies.

2:35 pm
 /2:22 pm **BREAK**

3:00 pm **Major Assumptions for the 2024 Annual IRP Update** **Bob Davis, Executive Consultant, nFront Consulting**
 /2:45 pm
 Bob outlined the major assumptions for the 2024 IRP update, including economic and financing, demand side management, planning and operating reserves, fuel prices, CO2 pricing, existing resources and PPAs, and new resource assumptions.

4:10 pm **Portfolios, Sensitivities, and Metrics for the 2024 Annual IRP Update** **Clay Settle, Manager Resource Planning, Santee Cooper**
 /3:29 pm
 Clay outlined Santee Cooper's modeling strategy for the 2024 IRP update, which includes evaluating three portfolios: the 2023 IRP preferred portfolio, a newly optimized portfolio, and a portfolio focused on compliance with the EPA's greenhouse gas rules. He explained that Santee Cooper will analyze these portfolios against load and fuel price sensitivities, as well as a "self-build" portfolio for a natural gas combined cycle plant. Finally, Clay discussed the metrics Santee Cooper will consider using to evaluate the portfolios, including net present value, mini-max regret, reliability, fixed cost obligations, fuel cost resiliency, emissions, generation diversity, and average costs or rate impact.

4:50 pm **Meeting Closeout** **Stewart Ramsay, Meeting Facilitator, Vanry Associates**
 /3:45 pm
 Stewart thanked the presenters for their efficient and effective delivery of the information, noting that the meeting went a little quicker than anticipated due to the limited number of questions. He encouraged stakeholders to provide any additional feedback or unanswered questions through the Santee Cooper IRP email address or directly on the IRP website. Participants were reminded that the meeting recording would be posted on the Santee Cooper IRP website within 7-10 days. Both Clay and Jane joined Stewart in thanking everyone for their participation and valuable input.

Q&A Summary

During this meeting, stakeholders were able to ask questions in two ways:

1. Using the Zoom **Q&A** tool, they could type and send a question at any time during the session and receive a written or verbal response during the meeting by one of the Santee Cooper IRP team.
2. Using the **Raised Hand** functionality during open floor question periods before the break and at the end of the session.

For questions asked using the **Q&A** tool, any follow-on comments, questions, and answers were reflected in a thread connected to the original question. Some of the Q&A questions were answered live by the respective presenters.

Overall, 12 interactions were initiated via typed questions (live asked/answered and written asked/answered) and two with raised hands. The presenters discussed six questions live.

A transcript of the Q&A log is included as an attachment and available with other July 18, General Notice Meeting 1 documents on the Santee Cooper [2024-2026 IRP Stakeholder Process](#) webpage.

Post-Meeting Survey

Attendees were invited to provide feedback upon leaving the Zoom session and via a link included in a follow-up email sent on July 19, 2024. The short survey included five questions, two of which allowed for written feedback. Vanry Associates received 14 responses to the post-meeting survey, representing about 18% of attending external stakeholders.

The overall survey response was positive. In summary:

- 93% of those who responded reported feeling better informed, 7% feeling marginally better informed
- 71% of respondents found the detail in the presentations just right, 22% found it a bit too technical, and 7% found it a little too basic
- 86% indicated they were satisfied with their ability to contribute, and 14% felt they did not have enough chance
- 86% report being satisfied with Santee Cooper's overall IRP process, while 14% still have some reservations

Results of the post-meeting survey are included in Appendix B.

Action Items

Next Steps:

- Review stakeholder feedback from the General Notice meeting Q&A log, the post-meeting survey, the public Stakeholder Input and Feedback Forum and any emails received pre- and post-meeting
- File the 2024 IRP Update with the South Carolina Public Service Commission in September 2024

APPENDIX A

List of External Attendees

Attendees are represented in alphabetical order by the name provided. The list excludes Santee Cooper employees and IRP consultants. Organization names in square brackets were not listed at the time of registration and are recognized from prior meetings or discerned by emails provided.

ATTENDEE	ORGANIZATION
Aaliyah Figueroa	Lake Viridi Renewables, LLC
Aaron Reiss	HTC
Angela Christian	[Georgetown County]
Anne Morrison	[Pine Gate Renewables]
Barry Spivey	Horry County Government
Benjamin Spear	Urban Grid
Bill Kennedy	Stantec
Brad Fultz	Blanchard Machinery
Braden Koogler	Urban Grid
Bradley Joyner	Beaufort Rosemary
Brian Bach	INEOS
Brian Sauter	JW Aluminum
Brooks Camp	AES Clean Energy
Caleb Bryant	Central Electric Power Cooperative, Inc
Caroline Choudhury	Strata Clean Energy
Chris Ottley	Stellar Renewable Power
Chris Ware	Central Electric Power Cooperative, Inc.
Chuck Roadley	Stantec
Cunningham Thomas	
Daniel Fraser	
Danny Shelley	Horry Electric Cooperative, Inc.
David Hansen	Southern Company
David Nordenmalm	Siemens Energy
Denise Bunte-Bisnett	Stantec
Diane Bell	
DJ Stone	Central
Dori Jaffe	Sierra Club
Eddy Moore	Southern Alliance for Clean Energy
Erich Miarka	Savion
Ethan Mitchum	Holocene Clean Energy
Evelyn Menendez	[J. Kennedy and Associates, Inc.]
Findlay Salter	ORS
Fredy Noshy	Holocene Clean Energy
Gabby Mayer	[Lightshift Energy]

Hamilton Davis	[EnergyRE]
Heather Anderson	[State of South Carolina]
J. Campbell	
Jake Duncan	Vote Solar
Jalen Brooks-Knepfle	[Conservation Voters of South Carolina]
Jason Martin	Holocene Clean Energy
Jeff Constantineau	ADG
Jeffrey Gordon	Office of Regulatory Staff
Jenise Clancey	AES Clean Energy
Joey Coble	Blanchard Machinery
Jonathan Ly	J. Pollock, Inc.
Jordan Scott	Hanwha Qcells USA Corp.
Joseph Price	Samsung C&T America
Karl Winkler	Nucor Steel Berkeley
Kenneth Bean	Inovateus Solar
Louis Lannone	BNRG
Matthew Martin	Southern Power Company
Mike Lavanga	SMXB
Nicholas Barrios	Lake Viridi Renewables, LLC
Paula Lancaster	wpd USA Inc
Philip Sophocleous	SC ORS
Randy Ligon	SC House of Representatives
Reginald Butler	AES CE
Robert Brown	SC Dept. of Health and Env. Control (DES)
Robert Greskowiak	[Lightshift Energy]
Robert Palma	
Ron Shafer	
Ryan Courtemanche	City of Georgetown Electric Utility
Scott Morales	Treaty Oak Clean Energy
Scott Shirey	Central Electric
Sean Joshi	Sunrise Renewables
Shaana Singh	[JP Morgan]
Stephen Harrington	TotalEnergies
Stephen Thomas	Century Aluminum
Steve Gallon	Fusion Renewable
Taylor Allred	Coastal Conservation League
Teri Rose	Lake Viridi Renewables, LLC
Tim Porter	Garney
Tom Kiggen	Silicon Ranch
Travis Mincey	Deriva Energy
Willard Strong	

APPENDIX B

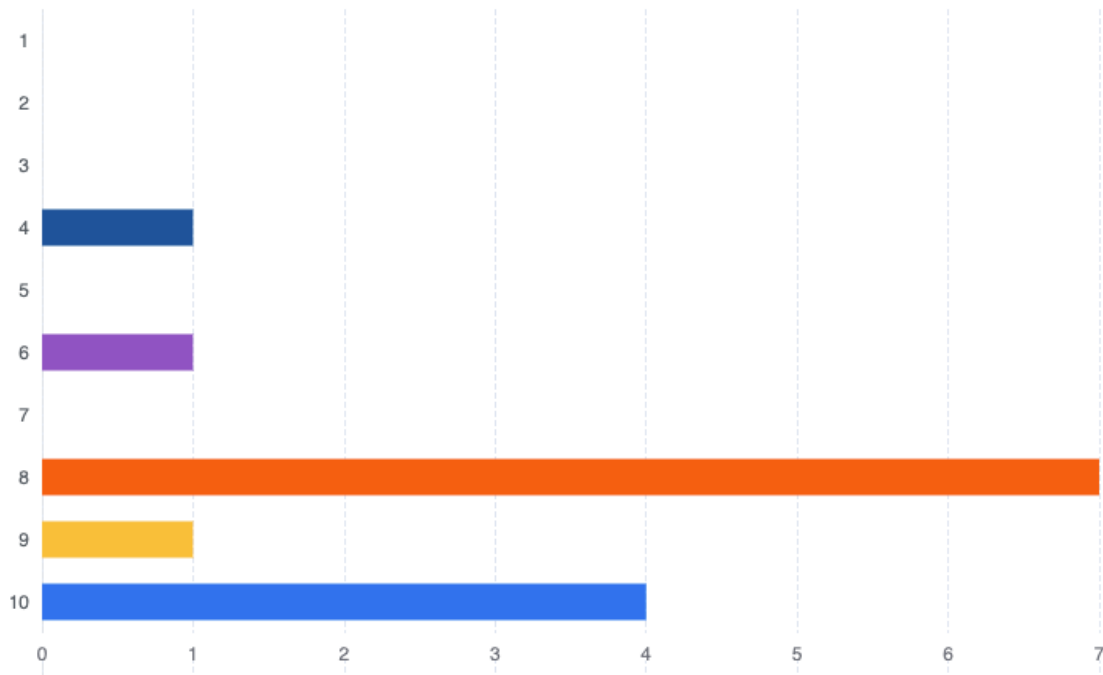
Post-Meeting Feedback Survey

Note: the stakeholder comments in questions five and six are included verbatim as received. The graphs are representations generated by the Zoom platform.

1. How well do you feel informed of Santee Cooper’s current resource planning initiatives and the 2024 IRP update to be filed in September?

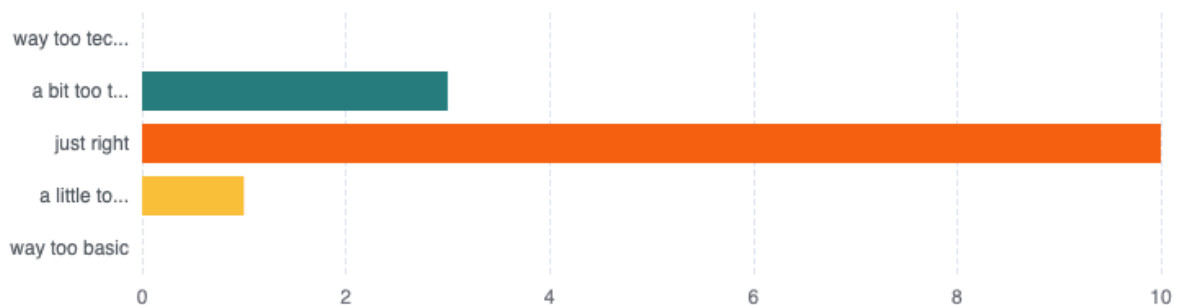
(14/14) 100% answered

10: fully informed 1: slightly better informed



2. How would you rate the presentations for level of detail?

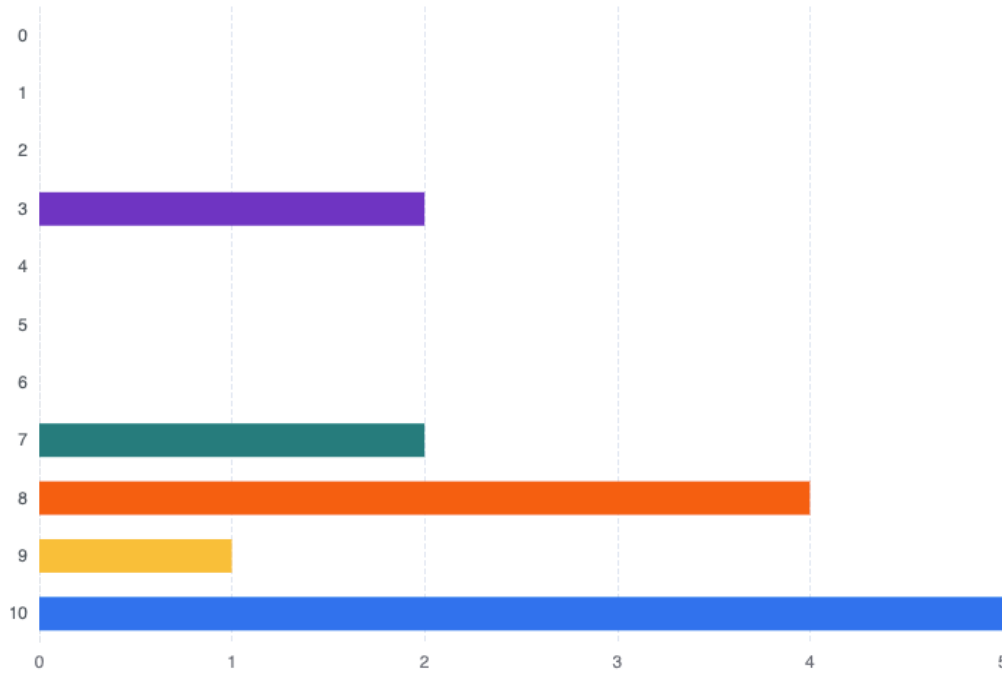
(14/14) 100% answered



3. How would you rate your ability to provide input to the meeting?

(14/14) 100% answered

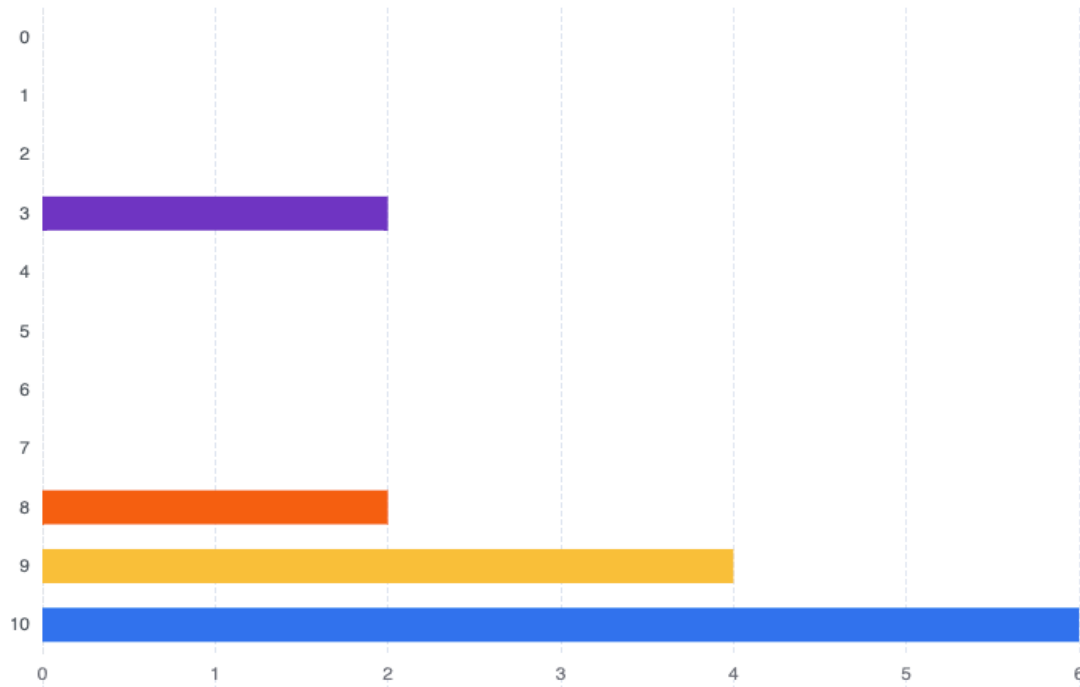
10: completely satisfied, able to contribute 0: not enough chance



4. How satisfied are you with Santee Cooper's IRP stakeholder engagement process overall?

(14/14) 100% answered

10: completely satisfied 0: not satisfied



5. Is there anything you would like to see less or more of?

- Less technical materials
- There needs to be a process to engage marginalized communities. The general notice meeting was too technical for that, and most community members were not aware of it. Focus groups need to be recruited, and relevant topics should be designed in partnership with stakeholders. The stakeholder working group is a great place for the technical details, and the general notice meetings should fall in the middle between that level of detail and the level discussed with community focus groups.
- In regards to my answer on question No.2: I choose this as due to wanting to see some actual ELCC values that were calculated for Santee Cooper, and not generic values. That said, I'm sure the appropriate data for ELCCs and their calculations will be provided in detail when the 2024 Update is filed in September.

6. Is there anything you would like to say about your experience of the overall IRP process?

- Very forthcoming presentations.
- I appreciate the opportunities for technical engagement and the positive changes that have happened with the process. I am hopeful that it will continue to improve. Technical stakeholders need more data access, and marginalized communities need less technical engagement. Thanks!
- Well done
- I think that the presentation went very smoothly, and the questions that were asked and answered live were very complete, concise, and to the point. Excellent on the presenters' behalf.