

## **Santee Cooper Integrated Resource Plan 2023**

### **Public Stakeholder Meeting #4 – Meeting Summary**

Date: December 8, 2022

Time: 1:02 pm – 4:15 pm EST

Location: Virtual Meeting via Zoom, Vanry Associates hosting

Topic: Santee Cooper 2023 IRP

– Discussion of finalized assumptions, impacts of the IRA and initial directional findings

Referenced attachments are posted as separate documents at [SanteeCooper.com/IRP](https://SanteeCooper.com/IRP). See the heading **Meeting Presentations & Materials / Meeting 4 – December 8, 2022**.

1. Session 4 Presentation
2. Recording of Meeting
3. Question and Answer (Q&A) Log

In this summary:

- Registration and Attendee Overview
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### **Registration and Attendee Overview**

All stakeholders who registered for Santee Cooper's first three meetings were emailed by Vanry Associates notifying them of the need and timing for registration to attend Santee Cooper's fourth IRP meeting. The first notification was sent on August 2, 2022, and the second on November 10, 2022. The latter email provided registrants with a direct link to the Zoom platform registration page and directed them to IRP information available on the [SanteeCooper.com/IRP](https://SanteeCooper.com/IRP) webpage. Upon registering, registrants received an immediate confirmation email with meeting information. Registrants were also sent two reminder emails one week and one day before the session, respectively.

In keeping with prior meetings, Santee Cooper also used a variety of means to announce the meeting, in advance, to customers and stakeholders. These included newspaper advertisements, bill inserts and social media. Additionally, Santee Cooper team members reached out directly to contacts alerting them to the meeting and registration.

Registration for the session opened on November 9, 2022. In summary

- 141 registrations were received up to the start of the meeting on December 8, 2022
- 74 individuals, or 52% of those registered, were online for all, or a portion, of the meeting
- 63 of the 74 attendees represented stakeholders external to Santee Cooper, with the remainder being either Santee Cooper employees or its IRP consultants
- About 75% of external participating stakeholders were identified to be affiliated with an organization

A list of meeting attendees is included in Appendix A. 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](https://SanteeCooper.com/IRP) webpage the week prior to the meeting, and a final updated version was posted the day of the meeting. Throughout the session, facilitators adjusted the timing to ensure adequate time for presentations, questions, and discussion.

### AGENDA

1:00	<b>Welcome</b>	<p><b>Stewart Ramsay</b>, Vanry Associates</p> <p>Stewart outlined the key topics for Meeting 4 in context to prior and future sessions; encouraged participation from stakeholders, provided a summary of the prior meeting survey results, and introduced the day’s presenters, the IRP team, supporting consultants</p>
1:10	<b>IRA Impacts on 2022 Load Forecast</b>	<p><b>Greg McCormack</b> Senior Manager, Financial Forecast, Santee Cooper</p> <p>Greg outlined the Inflation Reduction Act impacts specific to electric vehicles and rooftop photovoltaic installations.</p>
1:25	<b>DSM Market Potential Study</b>	<p><b>Patricia Housand</b>, Manager, Program Development, Santee Cooper <b>Jim Herndon</b>, Vice President, Utility Services Resource Innovations</p> <p>Patricia and Jim provided updates on Demand Side Management (DSM) from prior meetings and discussed Santee Cooper’s Energy Efficiency (EE) MPS results and Demand Response Market Potential Study currently underway. They also provided a synopsis of Central’s DSM process and directed stakeholders where to find more information.</p>
2:00	<b>Solar Integration Study</b>	<p><b>Nick Wintermantel</b>, Principal Astrapé Consulting</p> <p>Nick reviewed solar integration study results and updates. He provided details regarding the SERVM framework, resource commitment and dispatch, operating reserves, examples of LOLE and flexibility violations. He also provided a summary of the study scope and procedure, model volatility, existing system, and future-state scenarios.</p>

2:45 BREAK

3:00 **Major Assumptions** **Bob Davis**, Executive Consultant, nFront Consulting

Bob provided a detailed review of major assumptions that Santee Cooper is proposing for use in its 2023 IRP, recognizing that ongoing monitoring of market conditions and available data may prompt modifications. He committed that any updates resulting in significant changes to major assumptions would be posted to the IRP Stakeholder Forum.

3:45 **Resource Portfolios** **Bob Davis**, Executive Consultant, nFront Consulting

Bob continued his presentation by outlining the portfolio resource options including new generation, renewables, battery storage systems, as well as onshore and offshore wind. He then discussed Santee Cooper's resource portfolios and closed by reviewing next steps for the IRP process.

4:15 **Closing** **Stewart Ramsay**, Vanry Associates

Stewart opened the floor to questions and encouraged stakeholders to respond to the meeting survey.

## Q&A Summary

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

1. Using the Zoom **Q&A** tool, they could type and send a question at any time during the session and presentations
2. Using the **Raised Hand** functionality, they could be invited to speak by the facilitator at the earliest opening during a presentation
3. Using the **Raised Hand** functionality during open floor question periods before lunch and at the end of the day

Stakeholders were able to pose questions using the **Q&A** tool throughout the meeting, which were answered almost real-time by subject matter experts using the same tool. Any follow-on comments, questions, and answers would show up as a thread connected to the original question. In addition, some of the written questions were flagged and answered live by the respective presenters. Throughout the session stakeholders were invited to use the **Raised Hand** functionality and encouraged to address the group live.

Overall, there were 93 interactions initiated via typed questions (live asked/answered and written asked/answered), as well as 7 interactions initiated by stakeholders raising their hand. All questions were addressed during the session. Presenters answered 41 questions live.

A transcript of the Q&A log is included as an attachment and available with other December 8<sup>th</sup>, Meeting 4 documents on the [SanteeCooper.com/IRP](https://SanteeCooper.com/IRP) webpage.

Stakeholders were encouraged to submit input and feedback using Santee Cooper's Stakeholder Input and Feedback Forum ([SanteeCooper.com/IRPForum](https://SanteeCooper.com/IRPForum)) in the coming weeks after the meeting. Santee Cooper encouraged input by February, noting that the team would be challenged to incorporate changes received any later and still meet its filing deadline.

## Post-Meeting Survey

Attendees were invited to provide immediate feedback specific to Meeting 4 upon leaving the Zoom session and via a link included in a “thank you” email sent on December 9, 2022. Vanry Associates received 19 responses to the post-meeting survey, representing about 29% of attending external stakeholders

The overall survey response was positive and will be helpful in informing future meeting design. In summary:

- 66% gave a strong indication of value for their time spent at the meeting
- 47% reported they felt the level of presentation detail to be appropriate, 26% thought it was, respectively, either too technical or too basic
- 78% thought the meeting length appropriate, and 10% found it too long or too short
- 82% were satisfied they could contribute, while 15% felt they did not have a chance
- 73% found the meeting to be a productive balance of Santee Cooper IRP content to stakeholder discussion, 25% found the balance too weighted for Santee Cooper

A subset of the 19 respondents replied to the open-ended questions providing some constructive suggestions for future sessions.

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

## Action Items

All commitments made by Santee Cooper or the facilitators are noted in the Q&A log.

Next Steps:

- Act on any commitments noted in the Q&A log
- Determine timing and finalize agenda for Meeting #5
- Publish the date and open registration for Meeting #5
- Review stakeholder feedback and refine the meeting process as needed

APPENDIX A

**List of External Attendees**

*Represented in alphabetical order by the original 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.*

<b>ATTENDEE</b>	<b>ORGANIZATION</b>
Ami Khalsa	
Amy Wallace	General Electric
Andrew Dunn	Itron, Inc.
Andrew Stone	
Anthony Sandonato	SCORS
Ben Garriss	[South Carolina Coastal Conservation League]
Ben Kessler	ChargePoint
Brad Shearson	
Chris Carnevale	Southern Alliance for Clean Energy
Christina Tidwell	Southern Environmental Law Center
Cunningham Thomas	
Dennis Boyd	Nucor Steel
Devy Traylor	Kinder Morgan
Diane Crockett	Hitachi Energy
Doreen Frantz	
Eddy Moore	Coastal Conservation League
Edward Muller	TotalEnergies Renewables USA
Emma Clancy	Southern Environmental Law Center
Eric Barradale	Ulteig Engineers, Inc.
Findlay Salter	SC Office of Regulatory Staff (ORS)
Forest Bradley Wright	Southern Alliance for Clean Energy
Gennelle Wilson	RMI
Gibby Little	
Hamilton Davis	
Jake Duncan	Vote Solar
Jalen Brooks-Knepfle	CVSC
James Greenough	
James Lamb	
James Wharton	
Jared Watkins	
Jeffrey Gordon	Office of Regulatory Staff (ORS)
Joan Williams	Department of Consumer Affairs
John Brooker	Conservation Voters of South Carolina (CVSC)

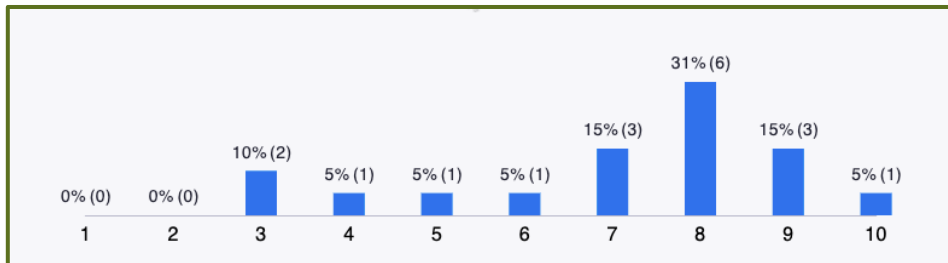
John Burns	Carolinas Clean Energy Business Association (CCEBA)
John Kelley	
John Kramer	
Jonathan Ly	J. Pollock, Inc.
Justin Somelofske	Sierra Club
Karen Hallenbeck	The Tiencken Law Firm
Karl Winkler	[Nucor Steel Berkeley]
Keisha Long	Department of Health and Environmental Control (DHEC)
Lawrence Sullivan	Commissioner at SC Department of Consumer Affairs
Leah Wellborn	J. Kennedy and Associates, Inc. (on behalf of ORS)
Lillie Johnson	[Georgetown] County Council
Louis Greenzweig	
Louis Morant	Georgetown County
Matthew Martin	
Michael Friederwitzer	TCE Trading LLC
Michael Ramsey	Berkeley County Economic Development
Mikaela Curry	
Mike Lavanga	SMXB
Mike Smith	Electric Cooperatives SC
Olivia Price	Ecoplexus
Patrick Duffy	Treaty Oak Clean Energy
Phillip Sheckler	ABS
Ryan Deyoe	Telos Energy
Sandra Yudice, Ph.D.	City of Georgetown
Scott Connuck	[East Point Energy]
Scott Whittier	City of Georgetown
Sean Sneed	
Seth Studer	Ecoplexus Inc.
Steven Castracane	Messer North America
Trevor Curry	Treaty Oak Clean Energy

APPENDIX B

Note: stakeholder comments in questions six and seven are included verbatim as received.

Post-Meeting Feedback Survey

1. Overall, how would you rate the value to you of the fourth Santee Cooper IRP meeting? Was your time spent with us today worth it?



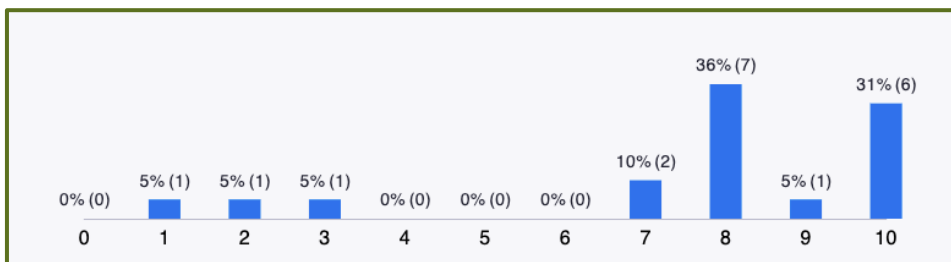
2. How would you rate the presentations for level of detail?

Way too basic	0% (0)
A little too basic	26% (5)
<b>Just right</b>	<b>47% (9)</b>
A bit too technical	21% (4)
Way too technical, complicated	5% (1)

3. How would you rate the meeting length?

Too short given the topics	5% (1)
A bit too short	5% (1)
<b>Just right</b>	<b>78% (15)</b>
A bit too long	10% (2)
Way too long to stay involved	0% (0)

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



5. Was this meeting a good balance between Santee Cooper IRP planning ideas and stakeholder questions and answers?

Way too much Santee Cooper content	10% (2)
Unbalanced towards Santee Cooper content	15% (3)
<b>A productive balance of both</b>	<b>73% (14)</b>
Unbalanced toward stakeholder content	0% (0)
Way too much stakeholder discussion	0% (0)

6. At the next meeting, I would like to see more of...

- If Zero carbon by 2050 is in fact a goal, why didn't it show in any of the future generation energy charts. Looks as tho we are still doing what we are doing today tomorrow. Please consider showing the CO2 cost of all the generation/system/fuels in the IRP.
- Understanding of public power versus the IOU companies. The public does not always understand the management of public power (pay, tenure, leadership, etc.) compared to private (publicly traded) and highly regulated companies.
- At the next meeting, it would be helpful if stakeholders were able to review and vet many of the IRP's inputs and assumptions prior to the final meeting, and come prepared with thoughtful clarifying questions on the results reached at the actual final stakeholder meeting. That way there can be a good give-and-take in the final stakeholder meeting that provides value to Santee and the stakeholders prior to the filing the final IRP application. In other stakeholder meetings I have participated in, Companies tend to just present their IRP's proposed portfolio results as a "cold opening" to their PSC filing and it was the stakeholders first time seeing many of the outcomes with little understanding how the Company reached those outcomes. It led to a one-sided meeting (the Company talking at stakeholders rather than a dialogue) with little effective engagement. Santee Cooper has the opportunity to set a good precedent in South Carolina and be more transparent in its stakeholder meetings compared to the other IOUs in the state. This also leads into the discussion of NDAs to ensure no inputs and assumptions are leaked prior to the actual filing, but it would be good practice to help build more consensus among stakeholders/intervenors prior to the actual PSC docket.
- Beginning the meeting the moderator stated that the meeting was schedule to update stakeholders as to developments that had occurred since the last meeting. However, presentation presented no no information related to a joint development resource and cost impacts therein.
- I put that the content was way too much Santee Cooper content only because I think there are some fundamental approaches to solving capacity and energy needs for the energy transition that stakeholders can bring to the table which may not be considered by Santee Cooper. We are all there for collaboration and it is clear that stakeholders are looking for more involvement. It often feels that we get to provide comments, but that major analyses are already on their way to completion. This makes our input feel useless.

In addition, comments from SC board members and the legislatures really reduce confidence in the Santee Cooper IRP process as it seems that extremely high level individuals have some pretty strong preconceived notions of the future resource outcome for Santee. We are glad to hear these comments, because it can show true intentions of some high level decision makers, but we also want robust assurances that these opinions aren't unduly influencing decisions.

- Some of the answers were very surface level - we would ask Santee Cooper why they chose something and their answer was essentially - b/c we picked it.
- Pauses during material presentation to catch up on questions.



7. At the next meeting, I would like to see less of...

- Technical acronyms need more explanation. The role of consultants and their use needs to be explained. Less of the content related to Levelized costs and avoided costs would help as these remain difficult concepts for a public power company (non-profit) to explain to the public and consumers. I doubt I will be involved. I don't think you are interested in my views.
- I think more details are better. Hopefully there will be less about forthcoming studies and more discussion of the studies.
- Repeat of material from past meetings.