

**North Carolina Transmission Planning Collaborative  
Oversight / Steering Committee (OSC)  
Meeting Highlights  
October 18, 2022  
Webex / Teleconference Meeting  
10:00 AM - 12:15 AM ET**

**Marty Berland, Chairman**  
**Bill Quaintance**  
**Sid DeSouza**  
**Sammy Roberts**  
**Bob Beadle**  
**James Manning**  
**Edgar Bell**  
**Bob Pierce**  
**Orvane Piper**  
**Rich Wodyka**

**ElectriCities**  
**Duke Energy Progress**  
**Duke Energy Progress**  
**Duke Energy Progress**  
**NCEMC**  
**NCEMC**  
**Duke Energy Carolinas**  
**Duke Energy Carolinas**  
**Duke Energy Carolinas**  
**Consultant Administrator**

**OSC Meeting Minutes and Highlights**

- The September 19, 2022 OSC Meeting Minutes and Highlights were reviewed and approved.

**2022 Study Activities**

- Sid DeSouza and Orvane Piper reported on the 2022 reliability study results. Sid reviewed the DEP reliability analysis results and reported that there were no new transmission projects identified for this year. Orvane reviewed the DEC reliability analysis results and reported on the DEC additions proposed to be added to this years transmission plan. Sid and Orvane will report the reliability study analysis results at the upcoming TAG meeting.
- Sid reported that DEP was still working on their transfer studies analysis. Orvane reported that DEC has completed their transfer studies and is finalizing the study results. Both indicated that they would target the November 7th PWG meeting for review of these transfer study results.

## **TAG Meeting**

- Rich Wodyka reviewed the agenda for the afternoon TAG meeting. The agenda of the TAG meeting includes an update on the 2022 Study Activities and the Preliminary Study Results, report on the Duke Supplemental Study of RZEP Projects, a Regional Study Activities report, and an update on the 2022 TAG Work Plan.
- Rich also identified the TAG stakeholders that have registered to participate in the meeting.

## **2022 Study Activities and Preliminary Reliability Study Results**

- Orvane Piper and Sid DeSouza led the OSC review and discussion of the 2022 Study Activities and Reliability Study Results. They reviewed the annual reliability study process including the activities associated with each of the eight steps in the study process, and highlighted the 2022 study assumptions including the study years for this years analysis. They summarized the Reliability Study Results that were discussed in detail earlier. They noted that the fourteen resource supply option hypothetical transfer studies were still being completed and expected the results to be available to the TAG for review by the end of the year.

## **Duke Supplemental Study for RZEP Projects**

- Sammy Roberts led the OSC review and discussion on the Duke Supplemental Study related to the implementation of potential transmission system projects related to improving the ability of connecting solar resources in the designated Red Zone areas to help Duke meet the requirements of the Carbon Plan. He reviewed the study criteria and scope and discussed the study results.
- The DEC results reflected the proposed addition of 4 transmission projects to enable 981 MW of solar projects in the Red Zone area. The DEP results reflected 11 of the original 14 RZEP projects that would enable 2,778 MW of solar projects in the Red Zone areas.
- Sammy highlighted the key takeaways from this Supplemental Study. They include:
  - RZEP Projects need to be considered for all future solar procurements to meet the volume and timing objectives for solar interconnections. Unlocking the red zones will allow for larger solar facilities to interconnect to the DEC and DEP systems.

- RZEP Projects are shown through cost-benefit analysis using the Interruption Cost Estimate calculator to be cost effective and provide long-term benefit.
- RZEP Projects have additional benefits for the DEC and DEP systems
- Rebuild projects involve replacing aging structures with new more reliable and resilient equipment.
- New higher capacity conductors generally have lower impedance that reduces transmission losses.
- Subsequent studies performed at OSC member request showed the RZEP projects do not cause any significant impact on other transmission lines.
- Per the formal Local Transmission Planning Process, TAG Members have the opportunity to provide input during and after today's TAG meeting which includes input on whether to proactively include the RZEP projects in Local Transmission Plan. They will be requested to provide input and questions on this Study by November 4th to Rich Wodyka (rich.wodyka@gmail.com).

**Regional Studies Report Presentation**

- Bob Pierce led the OSC review and discussion of the presentation on the various regional study activities.

**SERC LTWG Update**

- Bob reported that LTWG has completed the 2027 Summer Study, and are building 2022 series MMWG cases.

**SERTP Update**

- Bob reported that the SERTP 3rd Quarter Meeting was held virtually on September 29th and the 4th Quarter Meeting will be held on December 14th via a WebEx.
- The September meeting reviewed the SERTP 2022 Economic Planning Studies Results. The studies performed were:

NO.	Requestor	Source	Sink	MW	Year
1	NCEMC	Southern	DEC	1000	2032(s)
2	NCEMC	SCE&G	DEC	1000	2032 (s)

NO.	Requestor	Source	Sink	MW	Year
3	Santee Cooper	SOCO	SC	600	2027(w)
4	Santee Cooper	SOCO	SC	500	2024 (s)
5	Santee Cooper	DEC	SC	600	2027(w)

- For the SOCO to DEC transaction of 1,000 MW, the impact on DEC identified four significant constraints with two potential enhancements with an estimated cost of \$169 million.
- For the DESC to DEC transaction of 1,000 MW, the impact on DEC identified six significant constraints with four potential enhancements with an estimated cost of \$281 million.
- 

#### **EIPC Activities Update**

- Bob reported that EIPC is assisting DOE on the National Transmission Study. He noted that more information can be reviewed at the following site: <https://www.energy.gov/gdo/national-transmission-planning-study>

#### **NERC Activities**

- Bob reported on the NERC response to FERC Interconnection NOPR. The ERO suggests greater interaction between TP and GO to ensure accurate modeling including a requirement for EMT modeling. They also support the Interconnection NOPR's proposals to:
  - (i) Require that transmission providers give prospective interconnection customers greater information regarding possible network upgrades;
  - (ii) Use a cluster study process; and
  - (iii) Impose commercial readiness criteria on interconnection requests.
- Bob also reported on the ERCOT 2022 Odessa Report that occurred on June 4, 2022.

## **2022 TAG Work Plan Presentation**

- Rich Wodyka reviewed and discussed the updated work plan for the 2022 TAG activities.
- After the review and discussion of the set of TAG presentations, the OSC instructed Rich Wodyka to update the presentations as discussed. Rich will send out the final set of presentations to those who have registered for the TAG meeting and also post them on the NCTPC website under the meeting materials for the October 18th TAG meeting.

## **FAC - 008 Duke Walkowns**

- Discussion of this items was postponed.

## **NCTPC Process Flow Diagram**

- Rich Wodyka noted that the deadline for making changes to this flow diagram would be prior to finalizing this years 2022 Transmission Plan report. The OSC agreed to continue to review and discuss changes to this diagram at the next OSC meeting.

## **Regional Updates**

### **SERTP Activities**

- No additional report

## **PWG Items**

### **SERC LTWG Update**

- No additional report

### **EIPC Update**

- No additional report

### **NERC Activities Update**

- No additional report

### **PWG Minutes**

- There were no comments or questions on the last PWG meeting minutes distributed by James Manning.

### **NCTPC Website Maintenance**

- There was no update on the NCTPC website maintenance question. It was agreed to continue these discussions at the next OSC meeting.

### **Project Updates**

- No report

### **Future OSC Meeting Schedule**

- The OSC discussed the timing of the 4th Quarter TAG meeting. After discussion it was agreed that the 4th Quarter TAG meeting would be moved into January to ensure that the study results and any NCUC order on the Duke Carbon Plan could be reviewed and discussed at the next TAG meeting.
- The OSC reviewed and approved the approved the following meeting schedules.

<b>Date</b>	<b>Time</b>	<b>Location</b>
November 14, 2022	OSC 10:00 am - 12:00 pm	OSC Meeting Webex
December 12, 2022	OSC 10:00 am - 12:00 pm	OSC Meeting Webex