

**North Carolina Transmission Planning Collaborative
Oversight / Steering Committee (OSC)
Meeting Highlights
December 15, 2020
Webex / Teleconference Meeting
11:00 AM - 12:05 PM ET**

Mark Byrd, Chairman
Bill Quaintance
Lee Adams
Bob Beadle
James Manning
Marty Berland
Kevin Josupait
Bob Pierce
Orvane Piper
Rich Wodyka

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

Administrative

OSC Meeting Minutes and Highlights

- The November 16, 2020 OSC Meeting Minutes and Highlights were reviewed and approved.

TAG Meeting Presentations

- Rich Wodyka led the OSC review and discussion of the proposed TAG meeting draft presentations. Rich identified the stakeholders that have registered to participate in the TAG meeting.

2020 Study Report Presentation

- Orvane Piper, Lee Adams, and Bill Quaintance led the OSC discussion on the presentation of the 2020 study report. Orvane reported that the 2020 study identified 17 major projects that will improve North Carolina's electric transmission infrastructure as part of the 2020-2030 Collaborative

Transmission Plan (“2020 plan”). These projects represent more than \$804 million in investments during the next decade.

- Orvane highlighted that the 2020 reliability study analysis was done for 2025 summer, 2025 - 2026 winter along with the 2030 summer. He then reviewed the new DEC project at the South Point Switching Station that was added into the 2020 plan.
- Lee reviewed the 2020 study results for DEP. He highlighted the five new DEP projects that was added into the 2020 plan. The five DEP projects are: Wateree 115 kV plant upgrades, Carthage 230/115 kV Substation addition, Falls 230 kV Substation SVC addition, Castle Hayne - Folkstone 115 kV rebuild, and Holly Ridge North 115 kV station addition.
- Orvane reviewed the high load scenario study results. He discussed the two issues that were identified and the plan to develop solutions to these issues with impacted stakeholders.
- Bill provided an update on the study progress for the SE Wind Coalition (SEWC) public policy request for an analysis of off-shore wind development and the impact on the NC transmission system. He noted that the preliminary screening process has been completed and the selection of 3 primary study locations is currently being done. He will be reporting that a separate study is expected to be completed by the end of the first quarter of 2021.

2021 Study Scope Discussion Presentation

- Mark Byrd led the OSC discussion on the scope of work for 2021. Mark noted that the 2021 study analysis would include our standard reliability analysis for 2026 summer, 2026 - 2027 winter along with the 2031 winter. Mark discussed past alternate study scenarios and OSC will request input from the TAG on any suggested study scenarios as well as input on Local Economic Study Requests and Public Policy Study requests.
- Mark noted that Rich Wodyka will be sending out the request for TAG input on the 2021 Study Scope along with the instructions and forms associated with Local Economic Study Requests and Public Policy Study requests in early January. TAG will be requested to submit their input on these items to Rich Wodyka by February 4, 2021.
- Rich Wodyka reviewed and led the OSC discussion of a proposed study that he received from one of the TAG stakeholders. The study would involve an analysis of the PJM NC interconnection queue of 7000 MW. The OSC

discussed that this analysis may better fit under an affected system studies which are currently being done as required. This item may be brought up at the TAG meeting for discussion by the TAG stakeholder. Mark will address this request if it is brought up at the TAG meeting. The OSC will discuss the 2021 Study Scope item again at the January meeting.

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 the SERC LTWG has provided data for MMWG 2020 Series steady state models which are now available to industry.
- Bob reported that LTWG are working on MMWG 2020 Series dynamics models.
- He noted that the 2025 Summer study results will be made public shortly with FERC 715 filings.

SERTP Update

- Bob reported that the SERTP 4th Quarter Meeting (WebEx) was held on December 3rd.
- He noted that there were no impacts on the NCTPC from the SERTP 2020 Economic Planning Studies that were reviewed at this meeting.
- The modeling assumptions for the 2021 Economic Planning Studies were also reviewed.

NERC Activities Update

- Bob reviewed and highlighted the NERC report on the San Fernando event in the Southern California area that occurred on July 7, 2020. This was a significant event that highlighted numerous issues associated with inverter-based resources. He reviewed the various

recommendations associated with the report findings and the on-going impact associated with the Bulk Power System.

TAG Work Plans Presentation

2020 TAG Work Plan

- Rich Wodyka reviewed his planned update of the TAG 2020 work plan. Today's TAG meeting will complete the activities associated with the 2020 TAG Work Plan.

2021 TAG Work Plan

- Rich Wodyka reviewed and discussed the proposed work plan for the 2021 TAG activities. He noted that the 2021 plan is essentially the same work plan that was utilized for the 2020 TAG activities.

Regional Updates

SERTP Activities

- SERTP activities were covered under the TAG presentations report.

PWG Items

PWG Officer Rotation

- The OSC discussed the proposed rotation of officers for the PWG. Lee Adams will become the PWG Chair and James Manning will be the PWG Vice Chair / Secretary. The OSC approved the PWG officer rotation effective on January 1st for a 2 year term. The OSC thanked Marty Berland for his leadership in managing the PWG activities for the past 2 years.

SERC LTWG Update

- SERC LTWG activities were covered under the TAG presentations report.

EIPC Update

- Lee Adams reported on the EIPC Transmission Analysis Working Group work continues to work with the EIPC Production Cost TF on a high renewable

analysis study. He noted that model and data issues are still be resolved with this analysis and coordinated with the S&C consultant.

NERC Activities Update

- No additional report

PWG Minutes

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

NCTPC Website

- Mark Byrd reported that he will continue working to resolve the website security issue and report back to the OSC on his progress at the next OSC meeting.

Future OSC Meeting Schedule

- The OSC approved the January OSC meeting date and time. Mark Byrd will continue to evaluate the recent Doodle Polls to select the dates for February and March OSC meetings.

Date	Time	Location
January 19, 2021	1:00 pm - 2:30 pm	OSC Meeting Webex