

**North Carolina Transmission Planning Collaborative
Oversight / Steering Committee (OSC)
Meeting Highlights
June 8, 2015
Teleconference Meeting
12:30 PM - 2:30 PM ET**

| | |
|-----------------------------|---------------------------------|
| Marty Berland, Chair | ElectriCities |
| Edgar Bell | Duke Energy Carolina |
| Sam Waters | Duke Energy Carolina |
| Bob Pierce | Duke Energy Carolina |
| Orvane Piper | Duke Energy Carolina |
| Mark Byrd | Duke Energy Progress |
| Bill Quaintance | Duke Energy Progress |
| Luis Fondacci | NCEMC |
| John Lemire | NCEMC |
| James Manning | NCEMC |
| Scott Brame | NCEMC |
| Rich Wodyka | Consultant Administrator |

Administrative

- The May 11, 2015 OSC Meeting Minutes and Highlights were reviewed and approved.

OSC Items

NCTPC/PJM/MISO Joint Transmission Study Report

- Marty Berland led the OSC follow-up discussion related to the April 27th NCUC Technical Conference on the NCTPC/PJM/MISO Joint Transmission Study held at the NC Commission office. One of the NCUC's key issues was to have PJM commit to the development of a Joint Operating Agreement (JOA) with the Duke Energy. Sam Waters reported that Duke Energy is committed to developing a JOA with PJM by the end of the year. He also reported that discussions with PJM are continuing regarding operations issues. He hopes to have a framework of an JOA developed with PJM in September and will keep the OSC informed on these discussions with PJM.
- Related to the NCTPC - PJM - MISO joint inter-regional study, the OSC continued to discuss the need to annually monitor and evaluate the impact of

the PJM BRA on the NC transmission system. The NCTPC will continue to work with PJM on developing planning related protocols and the additional technical data necessary to exchange with PJM to evaluate the BRA impacts.

- Related to the additional data exchange with PJM, Mark Byrd reported that the latest PJM unit data will be factored into the NCTPC 2015 reliability analysis models. He noted that this additional data was better but that he was going to request additional unit specific location information from PJM to ensure even more NCTPC accurate modeling and analysis. Rich Wodyka discussed the existing NCTPC - PJM Transmission Planning Data Exchange and Confidentiality Agreement and noted that he believes this additional data should be covered under this existing Agreement.

Western Carolinas Modernization Project

- The OSC discussed the Western Carolinas Modernization Project that includes the shutdown of the Asheville coal plants with the addition of new generation and transmission facilities. James Manning raised the issue of how the various generation and transmission elements should be modeled in the 2015 reliability studies.
- The most probable scenario for inclusion in the 2015 reliability studies would be as follows: remove the Asheville 1-2 coal units, include the proposed five Duke Energy transmission projects, import 700 MW into CPLW from CPLE, run an economic dispatch on all remaining units, and not include the Combined Cycle units that would eventually replace the Asheville coal units (the queue request for this new units has not been proceed yet). After additional discussion, the OSC approved this most probable scenario for inclusion in the 2015 reliability studies.
- The OSC requested the PWG to continue to discuss when the new Combined Cycle units, that would likely replace the Asheville coal units, should be included in the reliability analysis. The PWG will report back to the OSC on this issue.

June 8th TAG Meeting - Presentations

- Rich Wodyka led the OSC review and discussion of the proposed presentations for the TAG webinar meeting later in the afternoon.

- 2015 Study Activities Update - Orvane Piper reviewed the TAG presentation related to the 2015 study activities. The TAG report provided an overview of the 2015 study scope and an update on the study process.
- NCTPC 2014 Collaborative Transmission Plan Report - Mark Byrd reviewed the 2015 mid-year update to the 2014 Transmission Plan. He highlighted the following changes: two additional DEP projects were added as the cost estimates now exceed \$10 million; one DEP project cost estimate increased; one DEP project is delayed; and the total cost estimate changed from \$209 M to \$239 M.
- MISO/Entergy Integration Operations Reliability Coordination Agreement (ORCA) - Bob Pierce reported that there was no news on the on-going settlement meetings. He did note that Southern Company recently filed a complaint at FERC related to this ORCA issue.
- Regional Studies Reports - Bob Pierce reviewed the various reports on the regional study activities.
 - For SERC, Bob highlighted the Long-term Study Group activities. The group is building the 2015 series of MMWG cases and updating the 2014 series of winter cases for the ERAG study. Shortly they will begin the study of 2020 summer.
 - For EIPC, Bob reported that the planning group is working on building 2025 summer and winter models. This group is also considering the development of production cost analysis capability.
 - For SERTP, Bob reported that the planning group completed the development of the 2015 series of model through 2025. They have published an updated SERTP Transmission Expansion Plan. The next SERTP stakeholder meeting is scheduled for June 25th in Charlotte.
 - For NERC, Bob highlighted the NERC activities related to the CIP-014 Physical Security and the TPL-001-4.
- 2015 TAG Work Plan - Rich Wodyka reviewed the current TAG 2015 work plan. He discussed the adjustments in the 2015 work plan since the last TAG meeting discussion.

Other Items

OSC Membership and Rotation of Officers

- The OSC discussed the rotation of the OSC officers. Ben Harrison was slated to succeed Marty Berland as the OSC Chairman but was recently transferred to a new position in Duke Energy and is leaving the OSC. Ben is being replaced on the OSC by Edgar Bell who will now become Chairman of the OSC. John Lemire will become the OSC Vice Chairman. The Treasurer responsibilities will transfer to Bob Pierce. Bill Quaintance will replace Sam Waters as a primary OSC member and Sam will become an OSC alternate member. After discussion, the OSC approved the OSC membership and officer changes to become effective at the conclusion of this OSC meeting.

PWG Report

- The PWG report items were covered under the TAG meeting presentations.

Future OSC Meeting Schedule

- The OSC reviewed and confirmed the following meeting schedule.

| Date | Time | Location |
|-------------------------|-------------|----------------|
| Monday July 13, 2015 | 2 pm - 4 pm | Teleconference |