

Description of Meeting:	NTTG Planning Committee
Meeting Date:	May 29, 2019
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	July 9, 2019

1. Agenda:

- a. Approval of April 24, 2019 NTTG Planning Committee Meeting Notes
- b. Technical Workgroup Update
 - i. Draft Regional Transmission Plan Robustness Testing
 - ii. Study Plan for Q5-2019 Approved Economic Study Request
- c. Other Business/Round Table

2. Discussions & Decisions:

Decision: Approval of April 24, 2019 NTTG Planning Committee Meeting Notes

- Following roll call, it was noted that quorum requirements had not been met in any of the three Classes. Approval of the April 24th meeting notes were then moved to the end of the agenda, allowing time for additional members to join the meeting.
- After the Technical Workgroup (TWG) update, quorum was met in Class 1 and Class 3; however, it was not met in Class 2. With a motion by Craig Quist and John Chatburn seconding, the April 24, 2019 NTTG Planning Committee Meeting Notes were **approved for posting**.

Discussion: Technical Workgroup Update

- Draft Regional Transmission Plan (DRTP) Robustness Testing
 - Per the Attachment K, robustness analysis is to be done on the DRTP. The TWG used the [four proposed Cost Allocation analysis scenarios](#) as the basis of the robustness analysis (high and low load forecast, replacing wind with solar and retiring coal replaced with wind and solar).
 - It was mentioned that the Public Policy Consideration study request completed this cycle, looked in detail at replacing retiring coal with wind and solar.
 - With regards to the high load forecast, an increase of 1,000 MW of load over 10 years was an approx. 4% increase. The TWG decided to look at two higher load growth scenarios. One at 2,000 MW and the other at 4,000 MW; and both with a mix of new wind and solar resources as outlined in the entities IRPs, supplied by 50% wind and 50% solar using the capacity factors for each BA.
 - For example, to meet the 2,000 MW of additional load, the TWG had to add approx. 4,000 MW of solar and over 2,000 MW of wind to the case.
 - Ron Schellberg asked the members if there were any additional suggestions or questions regarding the robustness testing.
 - It was asked if the solar output lined up with the hourly peak loads in each of the cases.
 - Using the NREL hourly shape for the average conditions, the TWG scaled each load for the eight Base Cases and found some hours were deficient in resources and others had a surplus. For example, the winter peak case occurred at 6pm where there is no solar production and the wind amount is not enough for the case. Therefore, the TWG assumed the resources were coming from network purchases.

- Unless there is a surplus of reserves, adding 4,000 MW of additional load at the capacity factor of a BA's peak, the resources are more than likely from outside of the NTTG footprint or from adding a mix of appropriate gas units.
 - Ron Schellberg also indicated that Case E and Case I were the only surplus cases, the other six cases were deficit.
- One of the goals of looking at the different load levels was to see if the transmission system would remain reliable in a different future.
- Study Plan for Q5-2019 Approved Economic Study Request (ESR)
 - The ESR is to look at replacing Aeolus and Anticline (Gateway West Segment D.2) through Wyoming, Gateway West beyond Anticline and Gateway South with 345 kV lines going west through Bridger to Populus to Hemingway as well as Populus South.
 - The TWG developed an [alternative system configuration to study](#) with three segments with reinforcement using typical 345 kV construction:
 - Between Aeolus and Anticline; Anticline and Populus; Borah and Hemingway
 - All three segments will be analyzed using the eight Base Cases (A, B, C, E, F, G, H, and I). An additional case will be added stressing the Populus South path testing the removal of Gateway South.
 - The TWG will use the same methodology as in the development of the DRTP and testing reliability with N-2, then comparing the results of the final configuration against the DRTP.
 - The ESR Draft Study Plan has been posted to the NTTG website for stakeholder review and comment. Comments are Due June 12th.
 - Comments received will be reviewed and responded to.
 - During the June 26th NTTG Planning Committee Meeting, members will review/approve stakeholder comments & NTTG responses as well as seeking approval of the ESR Study Plan.
 - The goal is to have the study completed in Quarter 7 and the report incorporated into the Draft Final Regional Transmission Plan as a separate section.
 - Comments from the Wyoming Office of Consumer Advocate were received prior to the meeting. These comments will be forwarded to the TWG for their review and begin drafting responses.

Discussion: Other Business/Round Table

- There was none.

3. Assignments:

Item #	Assignment	Owner	Target Date	Status
1.				
2.				
3.				
4.				

Next Meeting: The next Northern Tier Planning Committee Meeting is scheduled for June 26th at 1PM Pacific.

- Dial: **(626) 425-3121**
- Access Code: **432-608-245**



Attendees:

NTTG Planning Committee Member Representatives

Membership Class 1		
Ian Beil, Portland General	Bill Hosie, TransCanada	Craig Quist, PacifiCorp
Jared Ellsworth, Vice Chair, Idaho Power	Aekam Sodhi, MATL (Proxy)	Curt Winterfeld, Citizens Energy

Membership Class 2

Marshall Empey, UAMPS		
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Membership Class 3

James Branscomb, WY PSC	John Chatburn, ID OEMR	Steven Goodson, ID PUC
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Other NTTG Members & Guests

Jamie Austin, PacifiCorp	John Leland, NTTG	Ron Schellberg, NTTG
Justin Bieber, UAE	George Lynch, ID OEMR	Amy Wachsnicht, NTTG
Daney Brauchie, WY PSC	Kishore Patel, PacifiCorp	Marissa Warren, ID OEMR