

Description of Meeting:	NTTG Planning Committee
Meeting Date:	December 10, 2014
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	January 14, 2015

1. Agenda:

- Approve November 12, 2014 Meeting Notes
- NTTG Draft Regional Transmission Plan Update (Technical Workgroup Update)
 - Economic Metrics
 - Proposed Revision to the Study Plan recommendation to revise the study plan to include:
 - Regional Transmission Plan to meet NTTG footprint needs
 - NTTG footprint need defined by loads, resources, transmission requirements (service or other identified requirement)
 - Add transmission requirements table
 - Analysis of available transmission capacity (ATC)
 - Comparison of transmission requirements to ATC
 - Identify that system performance is a threshold requirement
- Public Policy Considerations
 - RNP Revised Study Request
 - Draft Public Policy Consideration Study Plan
- Round Table/Other Business

2. Discussions & Decisions:

Decision: Approve November 12, 2014 Meeting Notes

- Minor changes were received regarding the use of acronyms and suggested that those be spelled out.
 - Those changes have been made and will be reflected in the final version of the notes posted.
- Dan Wheeler motioned to approve and a second by Jim Tucker. With an abstention from Stacey Donohue of the Idaho Public Utilities Commission, the November 12, 2014 meeting notes were unanimously approved for posting.

Discussion: NTTG Draft Regional Transmission Plan Update (Technical Workgroup Update)

- Economic Metrics
 - John Leland gave a high level update and informed the committee that a more detailed update would be given at the December 18th Stakeholder Meeting.
 - The process outlined in Attachment K indicates that the Initial Regional Transmission Plan (IRTP) and the Change Case plans are compared against one another using three metrics; capital costs, change in losses and changes in reserves.
 - The technical workgroup (TWG) is working on the final numbers and will post the results prior to the stakeholder meeting.
 - Through the analysis it was determined that NTTG was not fully defining the need and uses of the transmission system in the analysis defined by the Study Plan that was used in the Quarters 3 & 4 analysis.
 - Due to this determination there is a proposal make revisions to the Study Plan.
- Proposed Revision to the Study Plan Recommendation
 - This is NTTG's first attempt at Order 1000 planning, and in going through the process it was recognized that NTTG's Study Plan had not fully considered all of the

requirements necessary to meet the needs of the transmission system and service the NTTG footprint.

- Identified requirements included the load and resources and the transmission projects that were submitted in Quarter 1 and incorporated into the Study Plan as the base assumptions required to meet the NTTG footprint needs.
- What was missed was the fact that there are transmission service requirements and transmission needs from the Quarter 1 data submittals that didn't translate over into the Study Plan.
- The purpose of a revised study plan will be to incorporate all the needs of the footprint.
- The recommendation is to revise the Study Plan to include:
 - NTTG footprint need defined by loads, resources, transmission requirements (service or other identified requirement)
 - Add transmission requirements table
 - Analysis of available transmission capacity (ATC)
 - Comparison of transmission requirements to ATC
 - Identify that system performance is a threshold requirement
- Dave Angell also proposed to add a transmission requirements table as part of the Study Plan.
- The revisions proposed will be incorporated into the Study Plan and brought to the Planning Committee in January 2015 for their approval and then to the Steering Committee for final approval.
- The Draft Study Plan and detailed results along with the proposal to revise the Study Plan will be provided at the December 18th Stakeholder meeting.

Discussion: Public Policy Considerations

- During a past Planning Committee meeting, there was discussion regarding the Public Policy Consideration (PPC) Study Plan which identified the need to revise the data submission to align with the output capabilities of the Colstrip units. This was submitted by Cameron Yourkowski with Renewable Northwest Project and it has been incorporated into the PPC Study Plan.
- There will be an open comment period on the PPC Study Plan following the December 18th Stakeholder meeting.
 - The comment period will open on December 22, 2014 and close on January 9, 2015.
- **Question:** Cameron Yourkowski – I appreciate and support the Study Plan, it seems like the right step to take. I appreciate using a simulated approach to look at the ATR issues. I wanted to ask about the issue teed up at the bottom of page 6 of the Study Plan and what it would take to do an actual dynamic analysis of the ATR performance issues under this type of scenario. I am curious about what the next step would look like as well as the next steps to do that through NTTG (or not) and any feedback would be appreciated.
 - **Answer:** Chelsea Loomis – To run a proper dynamic analysis we would need the transient dynamic data. When WECC prepares their data they prepare two versions, one is a steady state only version and the other is a steady state with dynamics.
 - This is a TEPPC case so it was built by the Transmission Expansion Policy Committee and they used the steady state only. We literally did not have any of the dynamics in order to run this as a true dynamics simulation.
- **Question:** Cameron Yourkowski – What is the expectation for getting the dynamic data? Is that something that is planned, or requested specifically?
 - **Answer:** Chelsea Loomis – It is something that has to be requested specifically. It usually comes closer to the projects inception date.
- The Committee discussed that a possibility for creating a case, is to take a case out of the SRWG that is 10 years out, which could have the proper generators and transmission system

- as a starting point. Then one could manipulate the flow patterns on Path 8 and add the wind generators as long as they can choose the proper dynamic information.
- It would be an approximation of the information from the TEPPC case and it can be done.
 - This type of study and analysis could take 2 to 3 man weeks to create the base case then working through the cases themselves. Doing the studies and writing the report could take another 2 to 3 man weeks.
 - All though NTTG has not used dynamics to create the Draft Regional Transmission Plan, that doesn't mean some entity can't request it.
 - It is possible the NTTG could undertake the request if the stakeholder is willing to pay for it.
 - **Question:** Cameron Yourkowski – If you could offer up a rough cost and to clarify procedurally if this extra analysis could be added or as an addendum to the study, or would it have to be another request, I don't want to miss the 2 year cycle.
 - **Answer:** Dave Angell – We will take that into consideration, and working through the initial study under the powerflow conditions will help us determine what dynamics are required.
 - Since this is the first time NTTG is doing this we will have to have discussions as we work through the process and there is a bit more effort and work load in this cycle. We need to make sure we meet our obligations to have a Final Regional Transmission Plan by the end of next December.

Discussion: Round Table/Other Business

- FERC's ruling on the NTTG members regional filing overall were mechanical changes:
 - FERC directed revisions to the OATT to clarify that stakeholders can submit *ideas* in the planning process without having to provide all the information that a transmission developer would need to provide.
 - The other is that the Funding Enrollment Process, must be revised to change "a reciprocity Open Access Transmission Tariff" to "an Open Access Transmission Tariff".
 - More than likely this was just a copy and paste issue.
 - NTTG has engaged the help of an outside legal consultant and is working to have the response filing back to FERC by January 7, 2015.
- NTTG is still waiting to hear from FERC on the interregional filings.
- WECC sent a notice that TEPPC's 2015 Study Request Window is now open window thru January 31, 2015.
 - Dave Angell requested that if there are any studies submitted that could have an impact on the NTTG system to please copy info@nttg.biz.
- The December 18th Stakeholder meeting will discuss the Draft Regional Transmission Plan with the report being completed in early January 2015 and an open comment period following.
- The draft revision to the Study Plan will be completed in January 2015 with a comment period to follow as well.
 - Since the study plan is being revised it is possible that NTTG will need ATC data submitted from TP's.
 - Dave Angell indicated that he is currently working to see how that information should be provided.
- Quarter 5 also opens the window for economic study requests.



3. Assignments:

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

Next Meeting: The next Northern Tier Planning Committee Meeting is scheduled for January 14th at 1PM Pacific.

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

Attendees:

NTTG Planning Committee Member Representatives

Membership Class 1		
Dave Angell, Chair, Idaho Power	Don Johnson, Portland General	Jim Tucker, Deseret
Jamie Austin, PacifiCorp	Chelsea Loomis, NorthWestern	Scott Waples, Avista Corp
Bill Hosie, TransCanada		

Membership Class 2

Marshall Empey, UAMPS	Rhett Hurless, Absaroka Energy	Dan Wheeler, Gaelectric
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Membership Class 3

Bob Decker, MT PSC	Jerry Maio, UT PSC	Matt Wiggs, ID OER
Stacey Donohue, ID PUC	David Walker, WY PSC	

Other NTTG Members & Guests

Mitch Colburn, Idaho Power	Kim McClafferty, NorthWestern	Ron Schellberg, Idaho Power
Gil Coulam, NTTG	Bill Pascoe, Absaroka Energy	Amy Wachsicht, NTTG
Sharon Helms, NTTG	Kishore Patel, PacifiCorp	Cameron Yourkowski, Renewable Northwest Project
John Leland, NTTG		