



Description of Meeting:	NTTG Planning Committee
Meeting Date:	October 3, 2012
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	November 14, 2012

Attendee List:

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| Dave Angell – Chair, Idaho Power (Class 1) | Rikin Shah – NorthWestern (Class 1) |
| Jamie Austin – PacifiCorp, (Class 1) | John Tompkins – Sea Breeze (Class 1) |
| Gil Coulam – NTTG | Jim Tucker – Deseret (Class 1) |
| Don Johnson – Portland General (Class 1) | Amy Wachsnicht - NTTG |
| Shannon Kelly – ID OER | Scott Waples – Avista Corp. (Class 1) |
| Jerry Maio – UT PSC (Class 3) | Dan Wheeler – Gaelectric (Class 2) |
| Bill Pascoe – TransWest Express | Wes Wingen – Black Hills Power (Class 1) |

1. Agenda:

- a. Roll Call
- b. Approve September 5, 2012 Meeting Notes
- c. Technical Workgroup Update
 - i. Biennial Transmission Plan
 - ii. Economic Study Plan
- d. NTTG Order 1000 Update
- e. Round Table/Other Business

2. Discussions & Decisions:

Decision: Approve September 5, 2012 Meeting Notes

- The Committee reviewed and discussed the revisions to the September 5, 2012 meeting notes.
- Jerry Maio had a few clarifying comments and questions:
 - On page four the sixth black bullet the notes reflected “JDF would be operating DC voltage at 150kV” and was curious if the voltage was correct.
 - John Tompkins confirmed that the voltage was in fact correct.
 - Clarity was also needed on the acronym “JDF” stood for.
 - JDF stood for Juan De Fuca project.
 - Dave Angell indicated that in the future notes should avoid the use of acronyms.
 - The September 5, 2012 meeting notes will reflect the actual name of the project.
 - For clarity and readability, language was revised on the fourth sub bullet on page three.
- “ABD” on page four was corrected to “ABB.”
- There were two action items from the last meeting:
 - Proposing to add a study plan addition which would be a Wyoming power wind and TransWest Express. This had a due date of November 7th.
 - There have been conversations with Bill Pascoe to get the data to properly model it.
 - Modification of the Order 1000 Data Submittal form
 - Dave Angell has not been able to work on this however it will be discussed further in today’s meeting.

- The September 5, 2012 meeting notes were approved with edits made during today's meeting.

Discussion: Biennial Transmission Plan Update

- NTTG is currently in Quarter 4 of the Biennial Cycle. Most of the focus in the Technical Workgroup has been on completing the Economic Study Plan but they are on schedule to finish the Transmission Study Plan.
- Gil Coulam gave a brief summary of the Study Plan which has been presented in past Planning Committee meetings.
- Status Update:
 - The Technical Workgroup is currently executing the approved Study Plan.
 - Data was extracted from the TEPPC model and the five core base cases are complete as well as the null case.
 - The contingency study is now under way and work is being done to resolve any violations.
- The Technical Workgroup plans to finish the analysis in Quarter 4 and then will begin to develop a draft report in the first quarter of next year (Quarter 5 of the Biennial Cycle).
- Question from Dan Wheeler – The null case that you are preparing, that is the 2022 loads without the Common Case Transmission Assumptions (CCTA)?
 - Answer: Gil Coulam – That is correct. It should say the loads and resources in the TEPPC 2022. The group backed out the CCTA.

Discussion: Economic Study Plan Update

- The schedule was modified slightly due to the fact that it took more time to prepare the base cases in Quarter 2 which resulted in the performing of studies being done in Quarter 3 and the reporting pushed out to Quarter 4.
- The economic study will only use power flow analysis and not production cost modeling.
- From the TEPPC 2022 case the Technical Workgroup will use the Summer Peak load and Maximum Net Export case.
- The base cases do include the CCTA which provides additional transmission capability in the future.
- 1,500 MW of generation was added at Great Falls, MT with 1,500 MW of load at Malin and a new 500 kV line from Great Falls to Townsend to see what new transmission was needed.
- Other transmission added and studied were:
 - 500 kV line from Townsend to Midpoint.
 - 500 kV line from Townsend-Midpoint and Hemingway Captain Jack
 - 500 kV line from Townsend-Midpoint Hemingway-Captain Jack and Midpoint to Hemingway.
- Status of the Study Plan:
 - The Technical Workgroup are using approximately 10 different base cases in the study and analyzing the results to reach conclusions. Preliminary conclusions will be done today.
 - The goal is to have the first draft done by the end of the month.
- Preliminary results with the NTTG Summer Case:
 - By adding the transfer it did not result in any significant base case violations.
 - Gil Coulam explained that “significant” meant in these cases when making the changes and additions the group ended up with some violations out of the area or lower in voltage.
 - The additional transfer did result in voltage violations in Montana and Wyoming but there were no significant branch overloads in the N-1 contingency studies.
 - At this time Gil Coulam could not speak to all the transmission additions as the Technical workgroup is still sorting through them. However looking at the MSTI case it seems to show a reduction in the voltage problems.

- Preliminary Results with the NTTG Max Export Case:
 - By adding the 1500 MW transfer the Burns and Malin series capacitors were overloaded in the base case but there were no voltage violations.
 - The contingency study showed numerous high voltage violations in the northwest and overload of the Garrison series capacitors.
 - The technical workgroup is in the process of determining if there are actions that need to be included to weed out the violations.
 - Since there were violations the workgroup looked at what would happen by adding the MSTI 500 kV line and found that the Midpoint capacitors were overloaded. However it did eliminate the Garrison series capacitors problem.
- Question from Dave Angell – Does the case reflect an increased size at the Midpoint series capacitor once the Gateway project comes in or do you have those details yet?
 - Gil Coulam – Not sure at this time.
- Dave Angell indicated that Idaho Power does intend to increase the Midpoint series capacitor however he was unsure at that time to how much. When MSTI comes in with Gateway it was triggered with the second phase of Gateway in the northern route as opposed to the southern route. If MSTI or any other lines comes in they plan to upgrade it and that is most likely why it is not captured in this.
- Question from Dan Wheeler – The Burns Series Capacitor, were those overloaded in the N-0 case?
 - Gil Coulam – Yes they were.
- Question from Dave Angell – Is the expectation that we would not need additional transmission based on what we are seeing, just changes to reactive equipment?
 - Gill Coulam - None additional to the MSTI project. We have not really come up with what the best solution. Assuming that what you do is replace Burn and Garrison series capacitors or do you add the MSTI and replace the Burns and Midpoint series capacitors.
 - Rikin Shah – Another option is, as mentioned is Midpoint series capacitors going to be upgraded do we consider that or energize the second line?
 - When studies done the 3rd project added to alleviate the overload was the Midpoint-Hemmingway second line.
 - If the series upgrade is added then that may not be needed.
- When all the studies are done the workgroup may see if there is anything that could be indicated for more transmission.
- The next steps for the Technical workgroup is to finish analyzing the study results to determine any significant impacts then prepare tables of the results, write up a draft report, approval of the Technical Workgroup and send the draft report to the Planning Committee and requestors for comments.
 - At this time the workgroup looks to be on schedule to have the draft report out by the end of the month.
- Bill Pascoe indicated that he has been trading emails with Gil Coulam regarding the case of wind added in Wyoming but has not sent the cases at this time.
 - Dave Angell requested that if the Workgroup wants to modify the study plan then it would be best to have the information in soon so the modifications can be done in Quarter 5.

Discussion: NTTG Order 1000 Update

- There are two components of the Order 1000 filing. The first is the regional filing where transmission providers must identify the regions they plan to be a part of (one and not more than one region) and file revisions to their Tariffs under the Attachment K to be in compliance with Order 1000.

- The filing is due next Thursday, October 11th and the transmission providers have been working together to create the regional section to the Attachment K which should be identical for entities. The transmission providers fully intend to meet the deadline.
- Legal is finishing up Attachment K language and the Planning and Cost Allocation Practice insuring readability and compliance of those documents.
- After the filing the focus will be on the interregional portion of Order 1000 which includes data and planning coordination and cost allocation.
- NTTG has been meeting with other regions that are subject to FERC requirement, CAISO, WestConnect and ColumbiaGrid and are working to set up workgroups and stakeholder structure to have them involved in compliance meeting of compliance filing due in April.
 - There was a meeting on Monday, October 1st. The regions firmed up how they will be working with one another and set up the group's mission statement, and principles. and don't have documents to publicly share at this time.
- At this time there are no documents to publicly share, however NTTG will publish the information as it is available through the workgroups and vetted through the regions and transmission providers and will post to the NTTG website.
- Dave Angell indicated that if parties are interested in looking for materials that are near to what the transmission providers are filing they can go to the NTTG website and view the September 18th Stakeholder Meeting materials.

Discussion: Round Table/Other Business

- Gil Coulam indicated that when it was discussed that the economic study request did not look as if any additional transmission was needed it was due to the 30 CCTA projects and that in the report it should capture that if any of those projects were not in the study it would change the results. The studies are only valid for the conditions for which it was studied and the Technical workgroup will not look at what would happen if any of the 30 CCTA projects were removed.
 - Jamie Austin suggested having an addendum of the CCTA projects from the TEPPC case.
- The next Planning Committee meeting is scheduled for November 14th and at that meeting there will be discussion about incorporating the Wyoming wind and TransWest Express to the study plan with a proposal to modify the study plan.
 - There will be a formal proposal of language that will be added to the study plan on what it should look like.
 - The Technical workgroup will need to discuss what cases that should be, and bring forth as a proposal.
- Dave Angell will finish the Data Submittal Form and then send to the Planning Committee for review. This form will become active in 2014 and may go through more revisions if TEPPC revises their submittal process

3. Assignments:

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

Next Meeting: The next Northern Tier Planning Committee Meeting is scheduled for November 14, 2012 at 1PM Pacific.



- Voice Conference Mtg. **720-279-0026** (toll free #877-820-7831)
- Conference ID **419669**