

Description of Meeting:	NTTG Planning Committee
Meeting Date:	June 6, 2012
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	September 5, 2012

Attendee List:

Dave Angell – Chair, Idaho Power (Class 1)	Ron Schellberg – Idaho Power (Class 1)
Jamie Austin – PacifiCorp (Class 1)	Henry Tilman – Tilman and Associates
Tony Bilello – PacifiCorp	John Tompkins – Sea Breeze Pacific (Class 1)
Gil Coulam – NTTG	Amy Wachsnicht – NTTG
John Harvey (Proxy for Jerry Maio) - UT PSC (Class 3)	
Fred Heutte – NW Energy Coalition	Dan Wheeler – Gaelectric, LLC (Class 2)
John Leland – NorthWestern (Class 1)	Wes Wingen – Black Hills Power (Class 1)
Natalie Propst – FERC Staff	

1. Agenda:

- a. Establish a quorum
- b. Approval of the May 2, 2012 Meeting Notes
- c. Approval of the 2012-2013 NTTG Biennial Transmission Study Plan
- d. Approval of the 2012 NTTG Economic Study Plan
- e. Order 1000 Draft Planning Proposals
- f. Round Table/Other Business
- g. Next Meeting

2. Discussions & Decisions:

Decision: Establish a Quorum

- Within each membership class, a two-thirds majority of voting members present is required for approval.
- It has been noted that a quorum has been established.

Decision: Approval of the May 2, 2012 Meeting Notes

- There were a few corrections made to the notes during the meeting:
 - NUL was corrected to null
 - Page three and page five; the study plan will not be presented to the Steering Committee for approval but for informational purposes.
- The May 2, 2012 Meeting Notes were approved with the changes made during the meeting.

Decision: Approval of the 2012-2013 NTTG Biennial Transmission Study Plan

- The data submitted in quarter one for the ten year forecast included load, resources and transmission facilities. The data was then compared to the 2010 data submissions and significant differences were found requiring a repeat of the null and core case studies during this cycle.
- During the last meeting there was some confusion regarding the development of the null case.
 - The Technical Workgroup will be using the TEPPC 2022 production cost model to pick out dates and represent in the power flow analysis.
- A flow diagram was developed to illustrate the current NTTG study case process.
 - The selection of the null case is from the maximum coincident summer load and is the peak load for the NTTG foot print.
- Suggested corrections to the flow diagram:

- The arrow from NTTG 2022 null case should point to the second “+” sign as it will also be organized in the report and presented for input.
 - The arrow from stakeholder input should be moved from the first “+” to below the common case as that is when input is given.
- The summer load core case already has a solution and once it is completed this will make solving the other hour exports easier. At this time there are no current problems with solving that transmission as incremental steps will be taken in backing out the transmission.
- The null case is only looking at the summer peaks. The intent is to look at the existing network with increased load forecast. The summer case was chosen due to the fact that the stress on the system being the largest and is the highest peaking load for the NTTG foot print.
- There were some questions regarding the null case and using the summer peak. This would capture more stresses on the east side however it is still in the winter peak.
 - It was felt that the summer case was the most stressed and the purpose of the null case is to demonstrate that the existing transmission system will not handle the loads in the future. The intent of the null case is not trying to solve the problem.
- NTTG is not just looking at or studying only the summer peak. There are five core cases that are being developed and are separate from the null case.
 - All the core cases have in them the CCTA common core transmission.
 - The null case sets the basis for the need of doing a study to identify the transmission requirements for future load and resources.
- The TEPPC 2022 case study results will be analyzed hour-by-hour for the year to determine the stressed hours for the following conditions:
 - Maximum NTTG coincident summer load
 - Maximum NTTG coincident winter load
 - Maximum coincident NTTG export
 - Minimum coincident NTTG export
 - Maximum COI plus PDCI southbound flows
- Fred Heutte asked for the COI loads analysis if NTTG was using a maximum path rating or historical data?
 - The intent is not to manipulate the case to maximize the flow but run the economic conditions to dispatch and monitoring the time when it is at its maximum.
 - The rating NTTG is using is the full nominal rating.
- A core case will be developed for each of the conditions as agreed upon at the last Planning Committee Meeting.
 - The Technical Workgroup found that the heaviest export case was in November, the minimum export was in September, the heaviest summer case was in July, the heaviest winter case was in January and the maximum COI flow was in June.
 - Data will be extracted from these cases and adjustments will be made to match the load and resource information received in Quarter 1
- The core cases and null case will be studied during quarter three and quarter four with the results being measured against the WECC/NERC reliability criteria to find any violations.
- If there are any violations are found, transmission fixes will be analyzed in each of the five core cases to find solutions to meet the reliability criteria.
- The final draft report will be developed in Quarter five and quarter six and provide opportunity for additional economic study request and power flow studies. Final approval of the plan will be in quarter eight.
- Before approval of the study plan it was pointed out that table 3 in the study plan had the incorrect information for Black Hills. The information will be updated.
- Dave Angell called for a motion of approval of the study plan:
 - Class 1
 - Black Hills Power – Approved
 - Idaho Power – Approved

- PacifiCorp – Approved
 - NorthWestern – Approved
 - Sea Breeze Pacific – Approved
- Class 2
 - Gaelectric, LLC – Approved
- Class 3
 - It was noted there was no verbal vote
- It has been noted that a 2/3 majority vote was acquired and the study plan has been approved.
 - Utah Public Service Commission – Voted to approve via web chat

Decision: Approval of the 2012 NTTG Economic Study Plan

- Three economic study requests were submitted in quarter one and there was a vote to cluster them into one study.
- The cluster study is a request to move 1500 MW from Great Falls to Malin via the MSTI project and incorporate the 500 kV upgrade from Colstrip if required.
- The study was requested as a power flow reliability study only to determine what transmission additions are needed.
- The Technical Workgroup recommended the base case be developed using two core cases developed from the TEPPC 2022 production cost model
 - Peak coincident NTTG summer load
 - Maximum coincident NTTG export
- The schedule for the study cycle requires the study to be completed in quarter two, and due to the fact that the core cases are being worked there is a possibility the studies will not be done by quarter two.
 - The 2 core cases needed will be done first and given top priority to complete the economic study.
- A 500 kV project will be added from Great Falls to Townsend then to Midpoint first then a study will test the 1500 MW transfer from Great Falls to Malin running the N-1 contingencies to determine if reliability criteria is met.
- A report will be drafted indicating the results will be provided to the customer for comments. If any additional requests for further studies, these will be added to the report and reviewed by the customer. The final report will be presented to the Planning Committee and stakeholders.
- Fred Heutte asked if the Technical Workgroup considered running a core case for the COI as it appears that there is a lot of congestion in the BPA area.
 - The request for the study was based on the California Transmission Planning Group's need to reinforce lines in the north from the Tesla area to Captain Jack/Malin.
 - The assumption made in the CTPG study was that power would be available at the California/Oregon and the study CTPG Study concluded that a 500 kV line would need to be built to move the power into California.
- It was suggested that the Montana generation be added before the MSTI project.
 - The 500 kV would be added from Great Falls to a new substation at Townsend without the MSTI project, document that the 1500 MW cannot be moved and then add MSTI.
- Gaelectric had two questions/requests for the study:
 - Will a single 500 kV line move 1500 MW to Malin and if not what is needed to do that?
 - If a single 500 kV line or sequential lines to Malin cannot move 1500 MW then how much could be moved?

- This was not submitted originally but has now been requested as a part of the study.
- Coordination will be done with NorthWestern on their studies with regard to this project that will set the base of transmission assumptions to get the study started. Then the study would look at the capability of one 500 kV to Malin. If one 500 kV line cannot provide 1500 MW of capacity, then what will it take to get to 1500 MW.
- With the additional request from Gaelectric, Dave Angell motioned to defer the approval of the economic study.
 - A revised study will be distributed to the group and approval will be via email by the end of June

Discussion: Order 1000 Draft Planning Proposals

- At the last Order 1000 stakeholder meeting on May 23rd the revisions to the Attachment K, Planning Practice document, and Planning Committee Charter were reviewed.
- Fred Heutte supplied comments during the meeting and will submit additional comments in writing.
- Two major concerns captured from Fred Heutte were that he would like NTTG to create another category in the Planning Committee membership and a simpler process for the economic study request.
- The Planning Workgroup reviewed the Attachment K, Planning Practice document, and Planning Committee Charter against the requirements of Order 1000 identified back in October to verify what has or has not been incorporated.
- The Cost Allocation Workgroup recommended a threshold of 10% be used in the planning process for the displacement/replacement of a project. This language has been incorporated into the Planning Practice document.

Discussion: Round Table/Other Business

- There was none

Discussion: Action Items/Next Meeting

- Prior meeting notes were approved with edits made during the meeting.
- The study plan was approved with adjustments made to the table and a few other items.
- The approval of the economic study has been deferred, modifications will be made and approval will be done through email.
- The next meeting is on July 11th at 1:00 pm Pacific.

3. Assignments:

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

Next Meeting: The next Northern Tier Planning Committee Meeting is scheduled for July 11, 2012 at 1PM Pacific.

- Voice Conference Mtg. **503-813-5600** (toll free #800-503-3360)
- Meeting ID **688499** and password **123456**