

Description of Meeting:	NTTG Planning Committee
Meeting Date:	September 5, 2012
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	October 3, 2012

Attendee List:

Dave Angell – Chair, Idaho Power (Class 1)	Jerry Maio – UT PSC (Class 3)
Jamie Austin – PacifiCorp (Class 1)	Bill Pascoe – TransWest Express
John Chatburn – ID OER (Class 3)	Kishore Patel – PacifiCorp
Gil Coulam – NTTG	Ron Schellberg – Idaho Power (Class 1)
Ashley Gornall – SWCA	John Tompkins – Sea Breeze Pacific (Class 1)
Fred Heutte – NWECC	Amy Wachsnicht - NTTG
Don Johnson – PGE (Class 1)	Dan Wheeler – Gaelectric (Class 2)
Kim Johnson – Riverbank Power (Class 2)	Wes Wingen – Black Hills Power (Class 1)
John Leland – NorthWestern (Class 1)	

1. Agenda:

- a. Roll Call
- b. Approval of June 6, 2012 Meeting Notes
- c. Technical Workgroup Update
 - i. Economic Studies
 - ii. Biennial Transmission Plan
- d. NTTG Order 1000 Update
 - i. Planning Committee Charter Revisions
 - ii. Revised NTTG Data Request Form
 - iii. General Status Update and Next Steps
- e. Round Table/Other Business
- f. Next Meeting

2. Discussions & Decisions:
Decision: Approval of June 6, 2012 Meeting Notes

- June 6, 2012 meeting notes approved for posting.

Discussion: Technical Workgroup Update – Biennial Transmission Plan

- The Technical Workgroup is performing the draft plan analysis currently in Quarter 3 and will continue into Quarter 4.
- The Study Plan will generate five core base cases from the TEPCC 2022 production cost model along with a null case.
 - The five cost cases selected were:
 - Max NTTG export
 - NTTG Import
 - Max NTTG summer load
 - Max NTTG winter load
 - Max COI + PDCI Flows
- The workgroup has completed the five core cases along with the null case and have done the contingency analysis and identified violations.
 - Some violations are due to a base case representation needing to be fine-tuned and others are being analyzed to determine what is needed to resolve those.
- Bill Pascoe asked what resources are assumed in the five core cases.
 - Answer: These are from the TEPPC 2022 case.

- Bill Pascoe also inquired if the new transmission and new generation projects submitted to NTTG earlier in the year were also in the case. The Power Company of Wyoming submitted a template of a wind farm in Wyoming and he was wondering if that was in any of the cases. If it was not then he requested dialog regarding a case that would include the wind farm and the transmission included. Along with the Power Company of Wyoming submittal the TransWest Express project was also submitted to NTTG.
 - Dave Angell explained that similar to the MSTI project, any project that has data submitted to WECC and NTTG but is not in the common case transmission assumption would not be in the base cases. Most likely it is not in the cases but there is an opportunity to run a scenario case around the Wyoming project and believed that would be the way to incorporate the Wyoming project into a case.
- Dave Angell inquired if the group could get the results of the base cases and then select what case would make more sense to put the wind farm into.
 - Bill Pascoe was fine with that. Since the project is heading out of the NTTG footprint he thought that a good case could be the export case.
- Dave Angell asked Gil Coulam if November would be an appropriate timeframe to have a discussion with Bill Pascoe to figure out a case. Gil agreed.
 - Prior to the November Planning Committee meeting Dave Angell and Gil Coulam will link up with Bill Pascoe to identify a case and then bring that to the Planning Committee as a revision to incorporate into the Study Plan.
- Jamie Austin made a comment that the Technical Workgroup exported five specific hours from the TEPPC data base and then folded them into the AC model.
 - The core cases have identical mirrored assumption as the TEPPC 2022 database (e.g., loads, resources and network configuration)..
 - The five core cases represent different season hours, hence, different load and resource levels respectively.

Discussion: Technical Workgroup Update – Economic Study

- Since the base cases were not ready in Quarter 2, the workgroup is now performing the economic study and will report and review in Quarter 4.
- The study is looking at a 500kV transmission path from Great Falls to Malin.
- Two base cases are being developed; NTTG summer peak load and net export case.
 - The group will be putting in a 1500 MW transfer from Great Falls to Malin and see if there is any additional transmission needed through power flow analysis.
- The goal is to give a summary at the October meeting and a draft report put together for the November Planning Committee meeting.
- Gil Coulam asked the Planning Committee members if they had any suggestions or changes to the format that was use during last cycle.
 - There were no objections.
- Gil also noted the Biennial Study Report incorporated the Economic Study Report.
 - Dave Angell explained that a separate Economic Study Report would be done first and then a summary of the information would be incorporated into the Biennial Study Report.

Discussion: NTTG Order 1000 Update – Planning Committee Charter Revisions

- The revisions to the Planning Committee Charter will be in effect starting in January of the 2014-2015 biennial cycle.
- Revisions were made to Section III “Duties and Responsibilities of the Planning Committee” to incorporate coordination with the Cost Allocation and Steering Committees.
- The revisions are as follows:
 - Ensure that Committee activities are conducted consistent with the NTTG planning methodologies and processes established in NTTG’s Regional Planning and Cost Allocation Practice.

- Review, maintain and make recommendations to the NTTG Steering Committee on planning practices to be incorporated into the NTTG Regional Planning and Cost Allocation Practice.
- In coordination with Cost Allocation Committee, review and approve qualifications data submitted by a project sponsor seeking cost allocation.
- Review Quarter 1 data submittals for completeness and determine if sufficient detail has been provided.
- Develop the Regional Transmission Study Plan for each biennial cycle
- In coordination with the Cost Allocation Committee, respond to and correct Study Plan deficiencies identified by the Steering Committee and re-submit the Practice Document and/or modified Study Plan to Steering for approval
- Obtain NTTG Steering Committee approval of the Regional Transmission Study Plan by the end of Quarter 2
- Perform and document the assessments as defined in the Regional Transmission Study Plan
- Review the basis for Steering Committee objections to the Regional Transmission Plan, and revise or reaffirm
- Publish, on a biennial basis, a Steering Committee-approved Regional Transmission Plan
- Develop the Economic Study Plans for each NTTG accepted stakeholder-requested regional economic study
- Perform and document the accepted stakeholder-requested regional economic studies
- Coordinate transmission planning with adjacent regional planning groups
- Coordinate planning with the WECC planning committees
- Other tasks and analyses as needed to carry out its function and to promote coordinated and successful transmission planning in the NTTG region and the Western Interconnection as a whole.
- Dave Angell inquired if there were any objections or comments to the proposed revisions.
 - There was very limited discussion and no objections or comments were heard.

Discussion: NTTG Order 1000 Update – Data Request Form

- Dave Angell reviewed the updated NTTG Data Request Form. The intent is to align the form with the WECC data submittal process as well as incorporating public policy.
 - Starting in 2014, stakeholders and transmission providers would submit their data using the updated form.
 - If an entity submits data to WECC, they could simply cut and past the information submitted to NTTG.
 - If an entity does not submit to WECC, then they would fill out the form and submit the data to NTTG.
- Instructions Tab
 - This tab explains what is found in the workbook.
 - The dates in this tab will be adjusted for each planning cycle.
 - Row 12 explains that the columns highlighted in green represents required fields where the column in gray indicate optional fields
 - An entity will find the same data that would be submitted to WECC in the LRS and then would have to expand that to include the costs of the project, permitting status and any information related to public policy drivers.
- Peak Data Tab

- The peak demands are by month throughout the year. DSM and Energy Efficiency should also be included.
 - The definitions would be found in the WECC data collection manual.
- Generation Additions Tab
 - This is for any new generation additions and should include the cost, public policy drivers with an explanation in the comments column.
- Projected Transmission Tab
 - This includes a lot of detail such as information about the structures, conductor type information, rating capacity, in-service date, and public policy drivers.
- Non Transmission Alternatives Tab
 - An entity should fill in the details of the project such as in-service date, project name, location and public policy with a detailed description.
- Don Johnson asked what would be a non-transmission alternative that is different from the generation addition.
 - Dave Angell explained that this would be for generation and DSM.
 - It was then pointed out that the DSM is currently listed in the peak data tab.
 - Dave Angell then explained the peak data would most likely be filled out by an LSE submitting to WECC and the transmission alternative tab would be filled out by a stakeholder who is not an LSE.
- John Tompkins inquired if the intent under the transmission project tab was that an entity could only select DC and information about the voltage but not the converter. He explained that Juan De Fuca would be operating DC voltage at 150kV however it is not a conductor and it is an underground (cable).
 - With regards to getting more data on the converter detail Dave Angell was unsure of how that was being managed through WECC.
 - John Tompkins explained that WECC has the full models and if anyone would like a copy then then could send a request to them and they would be able to provide that.
- Jamie Austin explained that NTTG will rely on the WECC collection process due to the imports that goes into the models unless it is one of the common case transmission additions. If the model is something that NTTG will have to run sensitivity on then they would follow up with the requester for the additional data.
 - Jamie Austin was not sure how WECC is collecting that data.
- John Tompkins indicated there two ways to collect that information on is to assume that it is a load like at Port Angeles and then with importing power it is a generator.
 - They do have a specific model from ABB that allows it to change parameters for reactive and then everything else voltage that would fit right into the modular.
- Dave Angell also mentioned that when NTTG would get to the power flow cases then they would need the details.
 - Ron Schellberg explained that it would depend on the study and that it would be beneficial to use the detailed model. However if that is not available then a fall back would be to simplify that with the load generation injection.
- On an AC transmission NTTG would need the reactive components that would be in the model as well.
- The group will take John Tompkins suggestions it into consideration to have a tab for DC and one for reactive component that would go with that transmission line.

Discussion: NTTG Order 1000 Update – General Status Update and Next Steps

- The workgroups are working with legal on the Attachment K and Planning and Cost Allocation Practices Document.
- The groups intended to have a stakeholder meeting to review the near final documents; however that has been rescheduled for a later date in September.
- Before the filing, the documents will be presented to the Steering Committee.



- NTTG has been meeting with WestConnect, ColumbiaGrid and CAISO and most likely will meet frequently once the October filing is done.

Discussion: Round Table/Other Business

- There was none.

Discussion: Next Meeting

- October 3, 2012 at 1PM Pacific
- On the agenda:
 - Summary results on the ESR
 - Update on the biennial study process
 - Update on the Order 1000 process with the hopes to share the final documents.
- Hearing no other business the meeting was adjourned

3. Assignments:

Item #	Assignment	Owner	Target Date	Status
1.	Consider proposing an addition to the Study Plan to include the Wyoming Power wind and TransWest Express	Dave Angell	November 7, 2012	In Progress
2.	Modify the Order 1000 Data Submittal Form to include DC converter, substation, and reactive facilities.	Dave Angell	October 3, 2012	In Progress
3.				
4.				

Next Meeting: The next Northern Tier Planning Committee Meeting is scheduled for October 3, 2012 at 1PM Pacific.

- Voice Conference Mtg. **503-813-5252** (toll free #855-499-5252)
- Conference ID **6781350**