

Description of Meeting:	NTTG Planning Committee
Meeting Date:	January 9, 2013
Meeting Notes Prepared By:	Amy Wachsnicht
Approved for Posting:	March 13, 2013

Attendee List:

- | | |
|--|--|
| Dave Angell – Chair, Idaho Power (Class 1) | John Leland – NorthWestern (Class 1) |
| Jamie Austin – PacifiCorp (Class 1) | Jerry Maio – UT PSC (Class 3) |
| David Brown – SWCA | Bill Pascoe – TransWest Express |
| Gil Coulam – NTTG | Ron Schellberg – Idaho Power (Class 1) |
| Sharon Helms – NTTG | Jim Tucker – Deseret Power (Class 1) |
| Fred Heutte – NVEC | Amy Wachsnicht - NTTG |
| Don Johnson – Portland General (Class 1) | Dan Wheeler – Gaelectric, LLC (Class 2) |
| Shannon Kelly – ID OFC Energy Resources | Wes Wingen – Black Hills Power (Class 1) |

1. Agenda:

- a. Approval of December 12, 2012 Meeting Notes
- b. NTTG Planning Committee Chair and Vice-Chair nominations and elections
- c. Draft Biennial Transmission Plan
- d. Biennial Transmission Plan
 - i. NTTG Q5 Data Request Window
 - ii. Draft Transmission Plan Review
- e. Economic Study Process
 - i. WECC Economic Study Request
 - ii. NTTG Economic Study Request
- f. NTTG Order 1000 Update
- g. Round Table/Other Business
- h. Next Steps

2. Discussions & Decisions:

Decision: Approval of December 12, 2012 Meeting Notes

- Dave Angell reviewed the last meeting notes with the Committee.
 - John Leland was nominated for Chair and Dave Angell was nominated for Vice-Chair. There have been no further nominations.
- Minutes were approved with a minor change made during this meeting.

Decision: NTTG Planning Committee Chair and Vice-Chair Nominations and Elections

- The only nomination received for Chair is John Leland. Dave Angell asked the Committee if there were any other nominations and in hearing none, Dave Angell asked for a motion.
 - Jim Tucker motioned to vote for John Leland as Chair, Don Johnson second and was unanimously approved.
 - Class 1 TP & Developers:
 - Idaho Power – Approved
 - Deseret – Approved
 - Black Hills Power – Approved
 - PacifiCorp – Approved
 - Portland General – Approved

- NorthWestern – Approved (John Leland indicated that if he could not vote then he would abstained)
 - Class 2 Transmission Users:
 - Gaelectric – Approved
 - Class 3 Regulators and Other States:
 - UT PSC – Approved.
- The only nomination received for Vice-Chair is Dave Angell and asked the Committee if there were any other nominations. In hearing none, Dave Angell asked for a motion.
 - John Leland motioned to vote for Dave Angell as Vice-Chair, Jerry Maio and Jim Tucker second and was unanimously approved.
 - Class 1 TP & Developers:
 - NorthWestern – Approved
 - Deseret – Approved
 - PacifiCorp – Approved
 - Portland General – Approved
 - Black Hills Power – Approved
 - Idaho Power – Abstained
 - Class 2 Transmission Users:
 - Gaelectric – Approved
 - Class 3 Regulators and Other States:
 - UT PSC - Approved

Discussion: Draft Biennial Transmission Plan

- NTTG has completed the first year of a two year study process. The intent is to have results to share with the Planning Committee which Gil Coulam discussed in the form of a PowerPoint.
- NTTG is currently in Q5 of the biennial cycle where the Technical Workgroup has completed the draft plan analysis and is on schedule to prepare and review the draft report.
 - In the next quarter, NTTG will review any updates to the draft report, any economic studies that come in this quarter and cost allocation associated to the Biennial Transmission Plan.
- In the Study Plan the Planning Committee concluded there would be five core cases.
 - Summer Peak Load, Winter Peak Load, Maximum Net Export, Minimum Net Export, and Maximum COI + PDCI case.
- From the Summer Peak Load Case the common case transmissions that were not in service were removed to create the null case.
- The purpose of the null case is to show that NTTG does need additional transmission in the future to handle the 2022 loads.
- Null Case:
 - 7 CCTA projects were left in the null case because they are either already in service or near completion.
 - 23 were removed in order to create the null case to represent existing transmission conditions
 - Contingency analysis was performed to determine if additional transmission is required in future years to serve forecasted loads and resources.
 - Problems were identified with low and high voltage violations, voltage deviation violations, branch overloads, and the power flow did not converge for some N-1 contingencies.
 - The conclusion is that today's transmission system is not sufficient for meeting the forecasted 2022 load and generation requirements.
- A comparison was shown of Summer Core Case before the Technical Workgroup removed the CCTA cases. It was noticed that some of the voltage concerns is extra busses use for the series capacitors along with other violations when the cases were removed.

- Question: Dave Angell - Is this table referring to full service condition and not include contingency?
 - Gil Coulam - No this is contingency results.
- The five core cases included all 30 CCTA projects and the contingency analysis shows that the results are acceptable in all the cases.
 - Conclusions:
 - With the CCTA projects included it provides adequate transmission for the assumed loads and resources and no transmission was required.
 - The study results are contingent on the loads and resources, and transmission facilities modeled in the base cases.
 - Different assumptions in generation dispatch, load or additional transmission would likely result in different transmission requirements.
- In addition to the work of the five core cases, NTTG was also asked to do a scenario case where 3,000 MW of wind generation was added in WY. This included the TransWest Express DC line down to the Las Vegas area.
 - Information was received from Bill Pascoe and implemented into the base case.
 - The preliminary results show significant impacts to the NTTG system for loss of the new DC line which indicates the need for additional transmission to accommodate this project.
 - The Technical Workgroup will continue to work on the scenario and will go over the results with Bill Pascoe as well as report them to the Planning Committee when finished.
 - Question: Bill Pascoe – when you are running the contingency where you take a single poll or double poll outage on the DC line, did you have some generation tripping in those cases by RAS?
 - Gil Coulam – We are Looking at it both ways without generation tripping and with generation tripping
 - Comment: Bill Pascoe – what we see is in our study work particularly when you take a bi-poll outage that you have to do a substantial generation tripping to avoid overloading other elements in the system. If you would like more insight on how we assessed that please give me a call.
 - Gil Coulam - That is why we didn't want to post the results yet until we had a chance to get back with you and make sure that we can represent some of those mitigations correctly
 - Comment: Bill Pascoe – Just give me a call when you are ready to discuss it.
 - Gil Coulam - We ran the mono-pole and it did solve, but the bi-pole did not solve without some of the some kind of RAS or generation tripping.

Discussion: Biennial Transmission Plan

- NTTG Q5 Data Request Window
 - NTTG is in Q5 and between now and the end of March is the time to submit any updates or information on loads and resources, or transmission plans such as transmission or in service date.
 - A letter will be released by the end of the day tomorrow notifying stakeholders.
 - NTTG will be using the same form for submitting information and is submitted to info@nttg.biz.
- Draft Transmission Plan Review
 - The technical workgroup will write a short report summarizing the information. The report will not have the detailed appendices that will be in the final report but it will summarize what assumptions were taken into account, description of the cases and initial conclusions.

Discussion: Economic Study Process

- WECC Economic Study Process

- The window opened in November and closes at the end of January.
 - Dave Angell asked parties to submit any region wide economic study requests by that date.
- If the terminating point is in the NTTG footprint Dave Angell requested that a transmission provider of NTTG be cc'd on the email or it could be sent to info@nttg.biz
- Question: John Leland – You mentioned that the WECC window closes at the end of this month?
 - Sharon Helms – I confirmed that they moved it back to January 31st again.
- NTTG Economic Study Process
 - NTTG Economic Study Requests can be submitted between now and the end of March.
 - If the request is within the NTTG footprint, e.g. Points of Receipt (POR) and Points of Delivery (POD) are all within the NTTG scheduling footprint, it should be submitted to one of the transmission providers with either that POR or POD.
 - Question: Gil Coulam – The last economic study request received was power flow based only and I understand that it was out of character. Could it be more of the congestion production cost model?
 - Dave Angell - Depends on what the customer is looking for.
 - Question: Gil Coulam – It could be reliability based?
 - Dave Angell – Yes.
- John Leland mentioned that if NTTG should receive a request that has a POD not in NTTG and is not sent parallel to a WECC submittal, NTTG will need to classify that as part of the Charter and Attachment K before the end of the month and send to WECC. The Planning Committee would need to schedule a short meeting before the end of the month.
 - Dave Angell recommended parties to submit the request to WECC directly, but advised the time line submitting to NTTG would have to be earlier than January 31st in order for the Planning Committee to accomplish that, NTTG would need the economic study request by opening of business of January 28th.
- Jamie Austin commented that in the past parties were asked that if an economic study request was submitted to WECC to cc NTTG, that way it can be considered both ways.
 - Dave Angell indicated that if the entity submits to both NTTG or WECC if they have any doubts then they will be covered.

Discussion: NTTG Order 1000 Update

- The next interregional stakeholder meeting is in January 30th in Folsom, CA. Information can be found on the ColumbiaGrid website.
 - The intent is to give an overview of the interregional process and procedures that have been agreed to by the regions.
- Update on Interregional Planning:
 - The four regions (CAISO, ColumbiaGrid, NTTG and WestConnect) have been collaborating on attempting to develop an interregional process that can be included in each of the transmission providers Attachment K supporting an interregional planning process in each of the regions processes.
 - The Planning group has been working on the definition of an interregional facility and if a joint study team would be required and if so how that would be initiated if developed.
 - The group also has discussed joint evaluation in terms of interregional facilities that have been proposed by transmission developers as well as interregional solutions that would be more efficient and cost effective than the regional transmission plan.

Discussion: Round Table/Other Business

- The NTTG Semi Annual Stakeholder meeting is scheduled for February 7th in Salt Lake City, UT.

- The Planning Committee will conduct their normal presentation and business during that meeting. There will not be an additional meeting that week or month.
- Dave Angell reviewed the Planning Committee process and proposed to move all future meetings to the second Wednesday of each month.
 - The reason for this is that the first Wednesday in January is too close to the holiday and second in April NTTG has an obligation in their tariff to review data that is updated in the Q5 period and the Planning Committee cannot accomplish that in the first week. The last reason is to help with the economic study process.
 - There were no objections from the Committee to move future meetings to the second Wednesday of every month.
- Sharon Helms reminded parties that Amy Wachsnicht sent out a notice regarding the upcoming stakeholder meeting and if they were going to participate to please fill out the registration form and send back to her indicating if they would be participating via phone or in person.

Discussion: Next Steps

- During the February Stakeholder meeting the Planning committee will cover more results of the Biennial Transmission Plan.
- Future meetings will be moved to the second Wednesday of every month.
- Dave Angell noted the Order 1000 process will go into effect with the 2014-2015 planning cycle. In the Committee will discuss the changes and updates to that 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 March 13, 2013 at 1PM Pacific.

- Voice Conference Mtg. **503-813-5252** (toll free #855-499-5252)
- Conference ID **1119461**