

Description of Meeting:	NTTG Joint Planning and Cost Allocation Committee Meeting Notes
Meeting Date:	July 13, 2016
Meeting Notes Prepared by:	Amy Wachsnicht
Approved for Posting by Planning Committee:	October 12, 2016
Approved for Posting by Cost Allocation Committee:	October 25, 2016

1. Agenda:

- a. Roll Call, Establish Quorum and Agenda Review
- b. Approval of Meeting Notes:
 - i. June 8, 2016 NTTG Joint Planning and Cost Allocation Committee meeting notes
 - ii. June 14, 2016 Cost Allocation Committee meeting notes
- c. Consent Items
 - i. NTTG Response to Stakeholder Comments on the 2016 – 2017 Draft Study Plan
 - ii. Recommendation to submit the NTTG Study Plan to Steering for approval
- d. Discussion Topics
 - i. Draft Anchor Data Set Timeline Update
 - ii. June 30th WECC 2026 Common Case Status Update
- e. Round Table/Other Business

2. Discussions & Decisions:

Discussion: Roll Call, Establish Quorum and Agenda Review

- Quorum for the NTTG Planning Committee was met in Class 1 and Class 3 but not in Class 2. Since quorum was met in Class 1 and at least one other class, the quorum requirements for the NTTG Planning Committee were satisfied.
- Quorum was met in both Class 1 and Class 2 for the NTTG Cost Allocation Committee.
- Sharon Helms informed the committees, TransCanyon had signed the NTTG Planning Agreement and is now a member of NTTG's Planning Committee. Ravi Varanasi will be the Member Representative for TransCanyon.
- Sharon Helms also announced that MATL has formally joined NTTG as a Full Funding member with representation on all NTTG committees.
 - Michael Manarovici is Enbridge's site supervisor who oversees all MATL operations. He explained that Enbridge is a transmission owner, operator, planner and service provider for MATL. While he has only been with Enbridge for two years, Michael has 15 years' experience in the power industry.
 - Michael Manarovici will be the member representative on NTTG's Planning Committee, Technical Workgroup and Transmission Use Committee.
 - Travis Allen is the senior regulatory analyst with Enbridge and works a lot with MATL assets. He has been with Enbridge for three years with his background being in FERC regulatory work.



- Travis Allen will be the member representative on NTTG's Steering, Management, Cost Allocation and Funders Committees.
- Sharon Helms walked through the agenda and purpose of the meeting.

Decision: Approval of the June 8, 2016 NTTG Joint Planning and Cost Allocation Committee meeting notes

- With no objections or abstentions heard from members of the Planning and Cost Allocation Committees, the June 8, 2016 Joint Planning and Cost Allocation Committee meeting notes were **approved for posting**.

Decision: Approval of the June 14, 2016 Cost Allocation Committee meeting notes

- With no objections or abstentions heard from members of the Cost Allocation Committee, the June 14, 2016 Cost Allocation Committee meeting notes were **approved for posting**.

Decision: NTTG Response to Stakeholder Comments on the 2016 – 2017 Draft Study Plan

- Amy Light walked through the redline changes made as a result of the June 28th NTTG Stakeholder meeting.
 - During the discussion a few minor changes were suggested and made during the meeting to help with clarity in NTTG responses.
- A motion was made by Larry Nordell, and seconded by Johanna Bell, that the NTTG Cost Allocation Committee approves the NTTG Response to Stakeholder Comments on the 2016-2017 Draft Study Plan as modified during the July 13th Joint Planning and Cost Allocation Committee meeting.
 - **The motion was unanimously approved by both Classes.**
- A motion was made by Chelsea Loomis, and seconded by John Chatburn, that the NTTG Planning Committee approves the NTTG Response to Stakeholder Comments on the 2016-2017 Draft Study Plan as modified during the July 13th Joint Planning and Cost Allocation Committee meeting.
 - **The motion was unanimously approved by Class 1 and Class 3.**
 - Marshall Empey was absent during the meeting, and therefore quorum was not met for Class 2.

Decision: Recommendation to submit the NTTG Study Plan to Steering for approval

- During the meeting Ravi Varanasi requested that instances in the Study Plan where their project is referenced as "TransCanyon", be corrected to "Cross-Tie".
- Larry Nordell requested the statement "*projects eligible for cost allocation that are incorporated with the Draft Regional Transmission Plan will be evaluated for cost allocation by the Cost Allocation Committee*" include the insertion of the word "consideration", as the evaluation is a step prior to projects being eligible for cost allocation.
 - The statement was modified such that "*projects eligible for cost allocation **consideration** that are incorporated with the Draft Regional Transmission Plan will be evaluated for cost allocation by the Cost Allocation Committee*".
- A motion was made by Johanna Bell, and seconded by Amy Light, that the NTTG Cost Allocation Committee recommends submitting the NTTG 2016-2017 Draft Study Plan, with the changes discussed at the July 13th Joint Planning and Cost Allocation Committee meeting, to the Steering Committee for their approval.

- **The motion was unanimously approved by both Classes.**
- A motion was made by Chelsea Loomis, and seconded by John Chatburn, that the NTTG Planning Committee recommends submitting the NTTG 2016-2017 Draft Study Plan, with the changes discussed at the July 13th Joint Planning and Cost Allocation Committee meeting, to the Steering Committee for their approval..
 - With prior email approval of the motion received from Marshall Empey who was absent during the meeting, **the motion was unanimously approved by all three Classes.**

Discussion: Draft Anchor Data Set Timeline Update

- John Leland indicated the document being presented is in draft form and a living document which has been modified as July 8th.
- The purpose of the document is to describe what the Western Planning Regions (WPRs) are doing between now and the first part of 2018 to develop the 2028 Anchor Data Set (ADS). The ADS will be a common data set which the WPR, WECC and other stakeholders can utilize for production cost modeling (PCM) and extracted power flow case. Historically the data sets for the PCM and power flow cases were separate resulting in not all the projects being modeled correctly.
- In 2016-2017 the WPR will follow their regional processes for developing their regional transmission plans and the ADS will come from the latest regional transmission information. This does not mean the ADS data can't be modified for whatever is being studied. It is requested that those modifications are made using change case files.
- The document includes a graphic, Figure 1 showing at a high level the process and timeline from 2016-2018 for developing the ADS. The text in the document goes into the detail of describing the timeline and has sections related to 2016, 2017 and 2018 activities. At the end of the document is a bulleted more detailed timeline for the ADS development process.
- John Leland indicated that a new term "Data Submitters" was added to the document in hopes to help with consistency in terminology with other ADS documents. The term "Data Submitters" refers to those entities that are submitting data to WECC, such as transmission providers, Balancing Authority Areas and planning coordinators.
 - Since NTTG is not an entity or corporation it does not have an obligation or relationship with WECC and relies on the Data Submitters to submit the data to WECC on behalf of NTTG.
- This document (i.e., "WPR ADS Process Discussion and Timeline" document) along with a number of other documents will become a part of one report (the "ADS Proposal" document) which will describe the ADS process from various ADS data input perspectives from WPR, WECC and other stakeholders. The full context of the WPR ADS document will either be appended to or included in the broader report.
- The 2028 ADS being developed will feed into the 2018-2019 planning cycle. At this time the timelines are mismatched between WECC and the WPR for collecting data and when data is available. The hope is to see the timelines aligned in the future (after the 2028 ADS is developed) and will be discussed between the WPR and WECC.
- John Leland reviewed the process and timeline laid out in Figure 1 which starts on June 30th when WECC was to post the 2026 Common Case. WECC ended up posting the 2026 Common Case, which is a PCM on about July 1st.

- The WPRs have since downloaded the common case and are finding issues with the data set not having correct representation of the topology and generation mapping. The WPRs are coordinating to update the common case with the correct data. When the update is complete with the level of detail needed for the topology and generator mapping it will become the “WPR 2026 Common Case”.
- Before the end of October 2016, the information will be shared and coordinated between the WPRs so the regions are working with a common data set for the interregional transmission project coordination.
 - The WPRs will provide the information to WECC, if it is requested. At this time, it is not clear if WECC will update their 2026 Common Case at the end of the year with the latest information.
- In October 2017, the WPRs will updated the “WPR 2026 Common Case” with incremental data changes as a result of their regional planning studies.
- A critical element for WECC to use in building the ADS is the round trip process. Throughout 2016-2017 the WPRs will be working with WECC to make sure the round trip process is implemented in the WECC ADS process. By the end of 2017 WECC should have the WPRs transmission topology and generator mapping from the power flow case and PCM.
 - In the coordination efforts, the WPRs will be submitting the updated PCM in its entirety with an extracted power flow case for the summer season as well as the change case files. From the end of 2017 through mid-January 2018 WECC will develop the 2028 heavy summer power flow case with the WPRs topology.
- Quarter 1 of 2018 will have a lot of coordination as WECC will be sending out its load and resource data requests to the Data Submitters in the regions. When the data is submitted to WECC they will check it for consistency through their normal process.
 - The draft 2028 ADS will be posted by the end of March 2018 which will have representation of the WPRs regional transmission plans as well as the incremental data changes from 2026 to 2028.
 - Once posted, the WPRs will pick up the draft ADS, make changes through their normal regional planning processes and provide those changes to WECC. WECC will post a final 2028 ADS to be posted by June 30, 2018.
- There is a meeting next week to finalize the drafts documents for the September WECC Board of Directors meeting where a detailed update will be given. The hope is to have the documents finalized and hopefully agreed to at the December WECC Board of Directors meeting to be able to move forward into 2017-2018.
- John Leland indicated there was a lot going on within WECC in concert with the development of the ADS. Because of the value and importance of the ADS to the regions and other stakeholders, the WPRs want to make sure the ADS is developed regardless of what might happen to WECC or its organizational structure.

Discussion: June 30th WECC 2026 Common Case Status Update

- In late April, WECC provided a copy of the preliminary data set specifically the generation portion for the regions to review. In early May the regions reviewed the data and provided WECC with other 1,600+ suggested changes to the generation data set.
- On July 1st WECC released the revised data set which was missing the power flow EPC data file necessary for the round trip analysis. The regions have asked for the power flow data file, but WECC has not responded yet.

- A number of the 1,600+ suggested changes were incorporated, however there are still changes needing to be made.
- Ron Schellberg indicated he had a meeting last Thursday with the other regions regarding the July 1st package and the other regions have similar observations. The WPRs are working on identifying any additional changes to the data set which will be discussed at the next meeting.
- Ron Schellberg walked through the corrections NTTG's TWG will need to make to the data set:
 - In looking at the load profiles of the data set the coincidence factors for the sub area of NTTG were approximately 95% between the coincidence peak and non-coincidence peak in the sub areas, which was expected.
 - Comparing the Quarter 1 data forecast against the TEPPC data set some of the sub areas are a little low and others were a little high. Idaho Power's peak in the TEPPC case is 600 MW lower than the Quarter 1 data forecast.
 - PacifiCorp did a full year production cost run on the data set and did an analysis of the load which uncovered issues where the load values used by the PCM were lower than the input forecast that went in. During a discussion with ABB it appeared to be related to negative load and generation station service requirements.
 - This will be further discussed during the WECC data and modeling workgroup meetings.
 - An analysis was done of the generators in the PCM and compared to the power flow generators. It was found that 200-300 generators in the PCM have non-unique generator ID's on a specific power flow bus. In order for the round trip process to work, each generator at a bus in the PCM needs to have a unique ID.
 - The Jim Bridger units were connected to an incorrect swing bus.
 - A spread sheet with the generation data was created to track the changes made by the TWG.
 - A comparison of the flow gate definitions from 2024 to the current data set were made and most of the differences were bus name changes. For example, the SWIP-South Nevada line flow gate included the Pacific DC Intertie flow is incorrect and will need to be corrected.
 - PacifiCorp also did a PCM looking at the flows. It was found that the wind in Wyoming was well below the peak installed capacity. The wind profiles were found to be from the 2024 case and updates are needed from NREL. The solar profiles also need to be updated.
 - There were also issues with the thermal plant productions in that a number of coal plants were under producing and a number of combined cycles were over producing beyond what would be expected for their normal capacity.
 - The Jim Bridger coal price was the highest and was becoming the marginal coal plant in the Western region. The TWG will review the prices to see if they are correct as well as verify the gas prices.
- The regions are scheduled to meet again on Thursday to discuss the data set and incorporate the changes into another PCM with the hope to get closer to a data set the regions can use.
- Sharon Helms asked if WECC was not able to provide the power flow data set, was NTTG ready to step in and get a data set ready to do the round trip process.

- Ron Schellberg indicated that NTTG could produce the power flow case. The regions had asked WECC for the power flow case last Wednesday and believes they will have the data set within a couple of days.
- Ravi Varanasi asked what the roles of the CAISO and WestConnect were in fixing the common case errors.
 - Ron Schellberg indicated the CAISO and WestConnect were doing similar activities. WestConnect is developing a separate power flow case and the regions have committed to sharing the changes with the other regions. Each region can decide to incorporate or not the changes as they see fit. The regions will begin to exchange the change files within a few weeks following internal vetting.
 - Jamie Austin commented that in order for the regions to incorporate any updates from the other regions changes will need to be made to make sure they fit together for a seamless incorporating into the data sets.

Discussion: Round Table/Other Business

- Chelsea Loomis informed the committees there had been a press release that Colstrip Units 1 & 2 will be shut down by July 2022. This was a result from a lawsuit settlement that Units 1 & 2 will be shutdown. With this being a big enough change and current study period, Chelsea Loomis felt it may be something NTTG would want to look at.
 - Don Johnson asked if this means NTTG would put in additional resources for the transmission that was freed up.
 - Chelsea Loomis indicated that at this time there are no signed agreements to allow that substitution and the TWG will need to discuss it further.
 - The entities receiving that Colstrip power from the transmission that will be freed up may want to include in their submission resources in the 2026-time period to cover their need for generation resource in 2026. If NTTG does not have that information, the TWG will need to make sure the load is covered.
 - There will be a lot to work through in terms of contracts and details as time goes on through the July 2022 closure date.
- Upcoming Meetings:
 - At this time the Cost Allocation Committee does not have any meeting scheduled and most likely will not until/if a project is born from the plan.
 - The Planning Committee meets the second Wednesday of every month, with the next meeting scheduled for August 10th.
 - NTTG's Steering Committee will meet on July 20th at the offices for Deseret in South Jordan, UT.
 - The next scheduled NTTG Stakeholder meeting is on September 14th in Bozeman, MT.

3. Assignments:

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



4.				
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Next Meeting: The next Northern Tier Joint Planning and Cost Allocation Committee Meeting is scheduled for TBD.

- Voice Conference Mtg.: **(626) 425-3121** Access Code: **432-608-245**



Attendees:

NTTG Planning Committee Member Representatives

Membership Class 1		
Jared Ellsworth, Idaho Power	Chelsea Loomis, Vice Chair, NorthWestern	Rikin Shah, PacifiCorp (Proxy)
Bill Hosie, TransCanada	Michael Manarovici, MATL	Ravi Varanasi, TransCanyon
Don Johnson, Portland General	Nathan Powell, Deseret	Scott Waples, Avista Corp

Membership Class 2		
Rhett Hurless, Absaroka Energy		

Membership Class 3		
Johanna Bell, ID PUC	Bob Decker, MT PSC	Jerry Maio, UT PSC
John Chatburn, ID OER	Morgan Fish, WY PSC	

NTTG Cost Allocation Committee Member Representatives

Membership Class 1		
Travis Allen, MATL	Amy Light, Portland General	Nathan Powell, Deseret (Proxy)
Jamie Austin, PacifiCorp	Kim McClafferty, NorthWestern	Courtney Waites, Idaho Power

Membership Class 2		
Johanna Bell, Idaho PUC	Bob Decker, MT PSC	Marci Norby, WY PSC
Bob Davis, UT Div. PU	Belinda Kolb, WY OFC CA	Larry Nordell, MT CC

Other NTTG Members & Guests

Sharon Helms, NTTG	Kishore Patel, PacifiCorp	Jamie Stamatson, MT CC
Fred Heutte, NW Energy Coalition	Ron Schellberg, NTTG	Amy Wachsnicht, NTTG
John Leland, NTTG		