
Business Practice: Transmission Planning

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Revision No.: 3

Disclaimer: Transmission planning processes are dynamic and involve interactions with multiple stakeholders. Some of the links, and the documents they lead to, are not under the direct control of PGE. Documents and links may be updated periodically during PGE's biennial planning cycles. The links to referenced documents are provided here to facilitate an open and transparent transmission planning process as prescribed in PGE's OATT Attachment K. Prior to the beginning of Q1 and Q5 of the Local Transmission Planning process (i.e. January of each year), PGE will validate and update links to documents, in addition to periodic updates during the planning cycles. Most documents will contain a version or date to indicate the date on which it was created or last revised. It should be noted, however, that documents may be valid even if they are older than one year.

1. Purpose

This Transmission Planning Business Practice supplements the transmission planning information provided in Attachment K of Portland General Electric Company's (PGE's) Open Access Transmission Tariff (OATT). Additional detail is presented in this business practice regarding PGE's transmission planning process, to assist PGE's customers and stakeholders in addressing their transmission planning issues and/or engaging in PGE's transmission planning process.

2. Definitions

- 2.1. **NTTG:** The Northern Tier Transmission Group (NTTG) is a group of transmission providers and customers that are actively involved in the sale and purchase of transmission capacity of the power grid that delivers electricity to customers in the Northwest and Mountain States.
- 2.2. **Economic Study Request:** A written request submitted by an Eligible Customer or stakeholder to the Transmission Provider, asking the Transmission Provider to model the ability of specific upgrades or other investments to the Transmission System or Demand Resources, not otherwise considered in the Local Transmission Plan (produced pursuant to Section 3.2.3 or Section 3.2.7 of Attachment K), to reduce the cost of reliably serving the forecasted needs of the Transmission Provider and its customers set forth in the Local Transmission Plan.
- 2.3. **Planning Horizon:** The Local Transmission Plan evaluates a ten (10) year planning horizon, which consists of a summer/winter Near Term Case (years 1-5) (Near Term Case) and a summer/winter Longer Term Case (years 6-

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10) (Longer Term Case).

2.4. **Local Transmission Plan:** Transmission plan of the Transmission Provider that identifies the upgrades and other investments to the Transmission System and Demand Resources necessary to reliably satisfy, over the Planning Horizon, the following: Network Customers' resource and load growth expectations for designated Network Load; Transmission Provider's resource and load growth expectations for Native Load Customers; Transmission Provider's obligations pursuant to grandfathered, non-OATT agreements; and Transmission Provider's point-to-point transmission service customers' projected service needs including obligations for rollover rights.

2.5. **WECC:** The Western Electricity Coordinating Council or its successor.

3. Requirements

3.1. Attachment K of Portland General Electric's Open Access Transmission Tariff (OATT): Transmission Planning Process.

4. Practice

4.1. Biennial Planning Cycle and Schedule: PGE's biennial schedule and study cycle for the Local Transmission Plan (LTP) eight-quarter process can be accessed on PGE's OASIS site at: http://www.oatioasis.com/PGE/PGEdocs/Att_K_Timeline.pdf

4.2. Economic Study Requests: To submit an economic study request under Attachment K of the Tariff, requestor must complete the written Economic Study Request form located on PGE's OASIS site under the Transmission Planning – Economic Studies folder at: http://www.oatioasis.com/PGE/PGEdocs/Att_K_economic_study_request_form.xls

4.2.1. Economic Study Requests received, along with any responses to such, are maintained on PGE's OASIS site: (<http://www.oatioasis.com/pge/index.html>) under the Transmission Planning folder – Economic Studies folder.

4.3. Critical Energy Infrastructure Information Request: To submit a request for Critical Energy Infrastructure Information (CEII), requestor must follow Processing CEII Requests, located on PGE's OASIS under the Business Practices folder and Requests for CEII subfolder: (http://www.oatioasis.com/PGE/PGEdocs/Processing_CEII_Requests.pdf).

4.3.1. If it is determined that the release of CEII to the requester may be appropriate, the requestor will be required to submit a completed PGE Non-Disclosure Agreement, located on PGE's OASIS under Order 890 folder – Attachment K Supporting Documents folder (http://www.oatioasis.com/PGE/PGEdocs/CEII_Non-Disclosure_Agreement.pdf).

4.4. Submit all completed forms to:

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Manager, Transmission Contracts, Planning and Expansion
Portland General Electric
121 SW Salmon Street
3WTC0402
Portland, OR 97204

5. References

5.1. Transmission Planning Notices

- 5.1.1. PGE has a Transmission Planning folder on its OASIS site <http://www.oatioasis.com/pge/index.html> in which interested parties can view additional documents that further describe the planning process, and obtain information regarding PGE's transmission planning.

5.2. Relevant PGE Links

- 5.2.1. PGE Interchanges w/ Adjacent Control Areas
http://www.oatioasis.com/PGE/PGEdocs/Interconnections_within_PGE.pdf
- 5.2.2. PGE Actual and Forecast Loads
http://www.oatioasis.com/PGE/PGEdocs/PGE_LoadData.pdf
- 5.2.3. PGE Designated Resources
http://www.oatioasis.com/PGE/PGEdocs/DNR_List.pdf

5.3. Relevant NTTG Links

- 5.3.1. Planning Committee Page: Contains members, process documents and meeting information, data submittals, reports, and other general information, in addition to the links to specific documents described below.
http://nttg.biz/site/index.php?option=com_content&task=view&id=13&Itemid=85
- 5.3.2. Planning Committee Charter (Process) – Contains the biennial study process, timelines, data submittal process, participation, and decision processes for the Northern Tier sub-regional planning process.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=256&Itemid=31
- 5.3.3. NTTG Planning Agreement – Contains membership requirements and obligations for joining the Planning Committee.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=464&Itemid=31
- 5.3.4. NTTG Steering Committee Charter - Contains the Committee's membership requirements, responsibilities, and review process.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=587&Itemid=31

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- 5.3.5. NTTG Cost Allocation Committee Charter – Contains the Committee’s operating structure and procedures, the cost allocation process, and the cost allocation principles.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=205&Itemid=31
- 5.3.6. NTTG Cost Allocation Principles – Contains an explanation of the NTTG cost allocation principles and process.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=193&Itemid=31
- 5.3.7. NTTG Study Plan – Study plan containing the assumptions, data, and tools used in conducting the current biennial planning cycle.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=364&Itemid=31
- 5.3.8. NTTG Transmission Plan report – Current transmission plan document, when such becomes available.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=353&Itemid=31
- 5.3.9. NTTG Funding Agreement
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=410&Itemid=31
- 5.3.10. Western Systems Transmission Planning Guidance for Customer and Stakeholder Participation – Contains description of local, sub-regional, and regional transmission planning process.
http://nttg.biz/site/index.php?option=com_docman&task=doc_download&gid=501&Itemid=31
- 5.4. Relevant WECC Links
- 5.4.1. WECC Transmission Expansion Planning Policy Committee – Contains members, process documents, meeting information, reports, and other general information regarding the regional planning processes, in addition to the links to certain of the documents described below.
<http://www.wecc.biz/index.php?module=pagesetter&func=viewpub&tid=4&pid=14>
- 5.4.2. WECC PCC Handbook – Contains organization guidelines, procedures and policies, planning and operating criteria, and description of subcommittees.
<http://www.wecc.biz/modules.php?op=modload&name=Downloads&file=index&req=getit&lid=215>
- 5.4.3. Overview of Policies and Procedures for Regional Planning Project Review, Project Rating Review, and Progress Reports – Contains policies, guidelines, planning process, member responsibilities, and study methodology regarding the process of planning and placing a project in service.

http://www.wecc.biz/documents/library/procedures/planning/Overview_Policies_Procedures_RegionalPlanning_ProjectReview_ProjectRating_ProgressReports_07-05.pdf

- 5.4.4. WECC TEPPC Charter – Contains Committee responsibilities, composition and governance.
<http://wecc.biz/modules.php?op=modload&name=Downloads&file=index&req=getit&lid=2152>
- 5.4.5. WECC TEPPC Planning Protocol – Contains description of TEPPC planning process, role of sub-regional planning groups, and synchronized study cycle.
<http://www.wecc.biz/modules.php?op=modload&name=Downloads&file=index&req=getit&lid=3003>

6. Revision History

Revision	Date	Change Summary
0	December 7, 2007	Initial Posting
1	October 29, 2008	Incorporates FERC Order 890 Attachment K process
2	March 11, 2009	Incorporates revised FERC Order 890 Attachment K process and reformatting changes
3	April 1, 2009	Updated links to CEII Requests