

# **Transmission Planning**

### PROJECT REPORT - 05/12/09

**STANDARDS OF CONDUCT REMINDER** – any information or work-in-progress the working group shares internally which is considered Transmission Information may not be shared with others unless previously posted on the respective Transmission Providers' OASIS.

| General Information |                    |          |              |  |  |  |
|---------------------|--------------------|----------|--------------|--|--|--|
| Project             | Planning Committee | Chair:   | Kip Sikes    |  |  |  |
| From Date           | April 13, 2009     | To Date  | May 12, 2009 |  |  |  |
|                     |                    | <u> </u> |              |  |  |  |



### Reason for stoplight color:

Execution of supplemental power flow studies and a default economic study are pending, but the absence of other economic study requests leaves good time for completing and analyzing the runs.

### **Activities Performed This Period**

Work on power flow and economic studies continued during the period, with Northern Tier's portfolio of studied transmission projects incorporated in to the underlying TEPPC production cost case, and the parameters of the power flow cases defined for the matrix of supplemental studies.

| Project Plan Milestones  | Planned<br>MM/DD/YY | Forecasted MM/DD/YY              | Completed MM/DD/YY |
|--|---------------------|----------------------------------|--------------------|
| Q4 Perform Technical Studies, Plan Analysis  | 12/31/08            |                                  |                    |
| Heavy Summer Base Case complete  | 11/1/08             | 11/10/08<br>11/21/08<br>12/01/08 | 11/26/08           |
| 2. Light Autumn Base Case complete   | 11/01/08            |                                  | 01/14/09           |
| 3. Stakeholder review of study progress – webinar  | 11/12/08            |                                  | 11/12/08           |
| 4. Run contingencies for Heavy Summer, identify problems/solutions (if any)              | 12/10/08            | 12/12/08                         | 12/19/08           |
| 5. Run contingencies for Light Autumn, identify problems/solutions (if any)              | 12/12/08            | <del>12/19/08</del><br>01/24/09  | 01/24/09           |
| 6. Prepare draft report  | 12/31/08            |                                  | 02/09/09           |
| Q5 Prepare & Review Draft Report, Economic Study Requests                                | 3/31/09             |                                  |                    |
| 7. Stakeholder meeting to discuss draft plan   | 01/28/09            |                                  | 01/28/09           |
| 8. Stakeholder webinar to review ESR process and assumptions                             | 02/25/09            |                                  | 02/25/09           |
| 9. Define matrix of additional capacity studies to be performed                          | 02/27/09            |                                  | 02/27/09           |
| 10. Integrate NTTG transmission projects into TEPPC 2017 case, verify configuration      | 03/31/09            | 04/17/09                         | 05/08/20           |
| 11. NTTG ESR window closes   | 03/31/09            |                                  | 03/31/09           |
| Q6 Perform Additional Power Flow Studies, Economic Studies                               | 6/30/09             |                                  |                    |
| 12. NTTG Public webinar to cluster, prioritize and vote on any ESR's received            | 04/08/09            |                                  | Cancelled          |
| 13. Add NTTG loads and resources to economic studies default cases                       | 04/17/09            |                                  | Not                |
|  |                     |                                  | Needed             |
| 14. Define economic study parameters for studies defined by the Trans. Use Committee     | 04/15/09            |                                  | No Studies         |
| 15. Set up and run power flow studies defined in Q5 matrix (9)                           | 05/13/09            | 5/20/09                          |                    |
| 16. Complete 'default case' economic studies   | 05/13/09            | 5/20/09                          |                    |
| 17. Public webinar to review preliminary status of economic and add'l capacity studies   | 05/27/09            |                                  |                    |
| 18. Run contingencies on power flow studies, produce report                              | 06/15/09            |                                  |                    |
| 19. Complete initial runs of TUC-defined economic studies                                | 06/15/09            |                                  |                    |
| 20. Public webinar to review results of additional capacity studies and economic studies | 06/24/09            |                                  |                    |
| 21. OATT deadline for completing Economic study requests submitted by stakeholders       | 06/30/09            |                                  |                    |

| Legend: Controlled (1) Caution (2) Critica | Complete |
|--|----------|
|--|----------|

<sup>&</sup>lt;sup>1</sup> Milestone is within established scope and on schedule

<sup>&</sup>lt;sup>2</sup> Milestone has deviated from the plan and slight risk exists for meeting project deadlines/scope

<sup>&</sup>lt;sup>3</sup> Milestone has fallen significantly behind schedule and project completion by deadline and within scope at critical risk



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#### **Activities Planned for Next Period**

Technical Work Group members from Portland General and Northwestern Energy will complete the supplemental set of power flow studies designed to exercise the transmission projects studied in the summer and autumn base cases that were completed last year.

Economic Studies Project Team members from PacifiCorp and Idaho Power will execute the default economic study case designed to verify the operation of production cost simulation models.

The NTTG Legal Work Group and the Planning Committee chair will be meeting on May 13<sup>th</sup> to finalize Northern Tier Planning Agreement modifications that will simplify the process for joining the Planning Committee.

### **Problem Areas & Risk Management**

The biennial planning process is on schedule. Preparation of the power flow studies appears to be straightforward, but developing solved cases may encounter difficulties, as the base cases prepared in 2008 are not as robust as they might be. With regard to economic studies, this is the first iteration for Northern Tier in this context, and so some uncertainty surrounds case development and execution.