2017 ITP 10-Year Assessment (ITP10) Draft Powerflow Models

The preliminary 2017 ITP10 2020 summer and light load powerflow models have been posted for stakeholder review. These models have incorporated coincident peak loads using PROMOD for SPP and First-Tier regions. The dispatch for each reliability hour for Futures 1, 2 and 3 has been incorporated into the 2017 ITP10 Futures 1, 2 and 3 models, respectively.

Please provide feedback by Friday, September 23rd through the SPP Request Management system (RMS).

Similarly to the request for feedback on the 2025 Powerflow models earlier this year, SPP is looking for feedback on the reactive resources and reactive device settings for these models as topology, new resources and constraints have previously been approved. Any feedback SPP receives by Friday, September 23, 2016 will be considered in development of a final powerflow model for approval by the Transmission Working Group (TWG) on September 30th. This set of models will be used by staff to complete the staging process for the solutions identified for the 2017 ITP10. Staff will be reviewing these models as well to ensure consistency between the 2020 and 2025 cases which were previously approved after a lengthy review by both staff and stakeholders.

It is important to note that no submitted solutions or model corrections have been applied to these cases. Please limit your feedback to reactive resource and reactive device settings.

The powerflow models that will be utilized for the 2017 ITP10 are as follows:

Model	Data Utilized in 2017 ITP10 (Separate model set for each future)
Future 1 2020 Summer Peak	2020 Topology with Future 1 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 1 2020 Off-Peak	2020 Topology with Future 1 Resource Plan, Dispatched using PROMOD Winter Ratings
Future 2 2020 Summer Peak	2020 Topology with Future 2 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 2 2020 Off-Peak	2020 Topology with Future 2 Resource Plan, Dispatched using PROMOD Winter Ratings
Future 3 2020 Summer Peak	2020 Topology with Future 3 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 3 2020 Off-Peak	2020 Topology with Future 2 Resource Plan, Dispatched using PROMOD Winter Ratings

2017 ITP10 2020 models are posted on TrueShare under:
Integrated Transmission Planning – Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release -> 2017 ITP10 -> 2017 ITP10 Powerflow Models -> ***20160916_2017ITP10_Powerflow_Models.zip***

Information for obtaining the 2017 ITP10 models

In order to obtain access to these documents in TrueShare, stakeholders must provide SPP with a signed confidentiality agreement. Instructions can be obtained by clicking on the link. Please submit these forms via **RMS** through the "Request TrueShare Access" Quick Pick. After the executed confidentiality agreement is received, an account will be created for the requester on TrueShare. An email with instructions for logging on will be sent to requester. For those that already have a TrueShare account, no additional action is necessary.

As a reminder, instructions for accessing the model information can be found on the SPP website here.

Helpful Links

- Transmission Owner Selection Process *(formerly Order 1000)* home page
  - Order 1000 Documents
  - Detailed Project Proposal (DPP) page
- SPP Transmission Planning Page
  - All notice postings previously on the SPP.org home page are now on this page
  - ITP Postings (formerly in Order 1000 Documents folder) here
- SPP Request Management System (SPP RMS) is the preferred method for inquiries and data submissions. Click on this link and then "Register Now" if you are not already registered.
  - Choose Quick Pick **"Integrated Transmission Planning (ITP)"**
    - Choose Request Type **"ITP Submittals"**
      - Choose one of the following from the **Subtype 1** field:
        - **Project Inquiry**
        - **Modeling Inquiry**
        - **DPP Submittal**
    - "**Request TrueShare Access**" Quick Pick for access to TrueShare for models
- SPP RMS is the preferred method for receiving all inquiries and solution submittals.