

## 2023 ITP Market Economic Model (MEM) - Pass 2

- **Action Required**

SPP staff is requesting feedback on the *application* of the following economic model data in the posted scenario(s):

- 2021 ITP Further Evaluation Project
- 2022 ITP Projects Approved for Construction (pending)
- 2023 ITP Approved 10.3 changes
- 2023 ITP Internal/External Load Data Reviews
- 2023 ITP Internal/External Generator Data Reviews
- 2023 ITP Scope Futures Assumptions
- 2023 ITP Internal/External Resource and Siting Plans
- 2023 ITP Generator Outlet Facilities (GOFs)

The posted runs are constrained with the SPP Book of Flowgates constraints.

SPP is *not* requesting changes to the above economic model input data. Any changes submitted will be considered under Section 10.3 of the ITP Manual.

SPP plans to solicit a vote to approve the 2023 ITP MEMs the week of October 17. SPP will also make a recommendation with respect to SPP operating reserves at that time.

- **Entities Required to Provide Feedback**

All interested stakeholders; primarily, ESWG members

- **Due Date and Method of Submittal**

Please provide feedback on the incorporation of the data items listed above into the MEM **by Tuesday, October 11, 2022** via the [SPP Request Management System \(RMS\)](#), using the “Submit Information” **Request Template**, “Integrated Transmission Planning (ITP)” **Subtype 1**, and “Data Submission” **Subtype 2**.

- **Changes from Last Pass**

- Modeling Updates
  - Activated one (1) wind resource
  - Added MISO-PJM transfer
  - Adjusted angle for Woodward Phase-Shifting Transformer (PST)
  - Changed operational status for Boundary Dam PST (out-of-service)
  - Classified external station service loads
  - Created Years 5 and 10 models
  - Incorporated data items listed above
  - Modified external demand groups to include missing loads
  - Renamed IS to UMZ
  - Revised pumped storage improvement
  - Updated load hubs

SPP plans to purchase the latest Wood Mackenzie Henry Hub fuel forecast that is due to release this month. We will incorporate the average fuel forecasts data into the MEMs as soon as possible.

- **Material Disclaimer**

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE

- **File location on GlobalScape**

In order to obtain access to SPP’s current PROMOD version, please email [pb\\_support.pges@hitachi-powergrids.com](mailto:pb_support.pges@hitachi-powergrids.com) and request PROMOD version 11.5.0 (Spp104389 engine).

**For users who have signed an NCD NDA, ABB NDA, MISO-SPP Joint NDA, and license ABB PROMOD nodal simulation ready software:**

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → License\_NDA\_JointSPPMISO → 2023 ITP → 2023\_ITP\_MEM\_Pass\_2.zip*

| File Name                                | Description                |
|--|----------------------------|
| 2023_ITP_MEM_Detail_Document_Pass_2.docx | Posted Material Overview   |
| 2023_ITP_MEM_Scenario_Pass_2             | Published PROMOD Scenarios |
| 2023_ITP_MEM_Run_Files_Pass_2            | PROMOD Run Files           |
| 2023_ITP_MEM_Database_Extracted_Pass_2   | PROMOD Scenario in Excel   |
| 2023_ITP_MEM_Outputs_Pass_2              | Output reports             |

**For users who have signed a NCD NDA, ABB NDA, and MISO-SPP Joint NDA:**

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → ABBNDA\_NDA\_JointSPPMISO → 2023 ITP → 2023\_ITP\_MEM\_Pass\_2.zip*

| File Name                                | Description               |
|--|---------------------------|
| 2023_ITP_MEM_Detail_Document_Pass_2.docx | Posted Material Overview  |
| 2023_ITP_MEM_Database_Extracted_Pass_2   | PROMOD Scenarios in Excel |
| 2023_ITP_MEM_Outputs_Pass_2              | Output reports            |

**For users who have signed NCD NDA:**

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → 2023\_ITP\_MEM\_Input\_Powerflow\_Pass\_2.zip*

| File Name                           | Description              |
|-------------------------------------|--------------------------|
| 2023_ITP_MEM_Input_Powerflow_Pass_2 | Input powerflows for MEM |

- **Helpful Links and Access**

- If you do not already have access to these documents in GlobalScape, see the instructions for confidentiality agreements and submit the appropriate form via RMS using the “Initiate a System Access Action” **Request Template**, “Access” **Request Type**, and “Globalscape File Sharing” **SubType 1** “SPPDocushare / Engineering / TCR Models” **SubType 2**. GlobalScape frequently asked questions can be found in Knowledgebase Article 686. Other helpful links can be found on SPP.org.