

2021 ITP Market Economic Model (MEM) – Updated Pass2

- **Action Required**

SPP staff has posted the updated Pass 2 MEMs and is requesting stakeholder review for purposes of approval. SPP staff recommends the ESWG approval of these models for use in the 2021 ITP Constraint Assessment.

The posted runs are constrained with the SPP Book of Flowgates constraints and without the Ancillary Co-Optimization Flag checked. The Ancillary Co-Optimization Flag does result in SPP meeting operating reserve requirements. However, SPP staff suggests the slight increase in model accuracy does not justify the increase in run time (~40%) for the ITP.

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

- **Entities Required to Provide Feedback**

All interested stakeholders; primarily, ESWG members

- **Due Date and Method of Submittal**

SPP will be requesting ESWG approval of these models for use in the 2021 ITP Constraint Assessment **shortly after this posting**. Please provide any necessary feedback **as soon as possible** but no later than Thursday, February 4, 2021. Please submit feedback via the SPP Request Management System (**RMS**) under the “ITP-Data Submission” Quick Pick.

- **Changes from Last Posting**

- Modeling Updates
 - Refined SPP Book of Flowgate ratings
 - 2020 ITP NTC and other SPP NTC corrections
 - Corrected AECI retirement assumptions
 - Modified Manitoba Hydro peak load and energy
 - Revised TVA resource plan ownership and commission dates
 - Activated Future 2 Valley Fill option
 - Updated DC line operation
 - Battery storage improvement

- **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 and request PROMOD version 11.2.0 (Spp104058 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* → *2021 ITP* → *2021_ITP_MEM_Updated_Pass_2.zip*

File/Folder Name	Description
2021_ITP_MEM_Detail_Document_Updated_Pass_2.docx	Posted Material Overview
2021_ITP_MEM_Scenario_Updated_Pass_2	Published PROMOD scenarios
2021_ITP_MEM_Run_Files_Updated_Pass_2	PROMOD run files
2021_ITP_MEM_Database_Extracted_Updated_Pass_2	Excel version of PROMOD scenarios
2021_ITP_MEM_Outputs_Updated_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)* → *ABBNDANDA_JointSPPMISO* → *2021 ITP* → *2021_ITP_MEM_Updated_Pass_2.zip*

File/Folder Name	Description
2021_ITP_MEM_Detail_Document_Updated_Pass_2.docx	Posted Material Overview
2021_ITP_MEM_Database_Extracted_Updated_Pass_2	Excel version of PROMOD scenarios
2021_ITP_MEM_Outputs_Updated_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* → *2021 ITP* → *2021_ITP_MEM_Input_Powerflow_Updated_Pass_2.zip*

File/Folder Name	Description
2021_ITP_MEM_Input_Powerflow_Updated_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 “GlobalScape Access Request” Quick Pick. Other helpful links can be found on SPP.org.