

2023 ITP Constraint Assessment Review

- **Action Required**

An initial list of constraints for the 2023 ITP Assessment have been posted to [GlobalScape](#) for stakeholder review. The constraints in this list include:

- 1) SPP and NERC permanent flowgates 100 kV and above;
- 2) Future- and study year-specific 100 kV and above constraints identified in the constraint assessment process that utilized the market economic model (MEM) dispatch;
- 3) Select 69 kV SPP permanent and temporary flowgates, and SPP stakeholder-provided/SPP-validated 69 kV constraints that are affected by generation dispatch; and
- 4) SPP and NERC Interfaces.

SPP requests stakeholders provide feedback and/or perform the following actions:

- **SPP Permanent Flowgates:** Review only; provided for stakeholder reference and review only.
- **SPP MEM Constraints:** Validate the flowgates identified from the future and study year specific economic model dispatch in applicable areas and provide rationale for any invalid constraints.
 - **Specifically focus on:**
 - Summer and Winter Rate A (MVA) and Rate B (MVA) accuracy across all scenarios
 - Contingency element validity
 - Monitored element validity
 - Constraint validity
- **69 kV constraints:** Review SPP stakeholder-provided/SPP-accepted 69 kV constraints for inclusion in the MEM event files.
- **2023 ITP Draft Constraint Assessment Event Files:** Validate the events and ratings and provide rationale for any invalid events. Note that the event files are still in a draft form and run times may be longer than usual. This file will continue to be updated by SPP staff as event review and update continues.

SPP staff will continue evaluating the posted constraints during this review period and will recommend adjustments to constraints and coordinate adjustments with the facility owner/operator as needed. These constraint adjustments will be identified in the approval posting for viewing. SPP will not incorporate rating derates as feedback during this review period.

After the 2023 ITP MEM Pass 2 Update 2a posting, staff noticed a bug in the automation which resulted in the variable O&M, fixed O&M, and curtailment data being populated inaccurately. Staff updated the data and observed a < 1% difference in adjusted production cost for Future 2 Year 10 MEM. Therefore, this change is not impactful to the 2023 ITP constraint assessment. Simulation results posted for constraint assessment and final market economic model approval will include this correction.

After the 2023 ITP base reliability (BR) powerflow models posting and approval, staff identified that the Anadarko-Gracemont 138 kV circuits 1 and 2, which are subject to the SPP board approved re-

evaluation in the 2023 ITP, were not reverted back to existing system configuration in the BR powerflow and Year 5 and Year 10 MEM. Based on this information, staff has updated the 2023 ITP BR powerflow models and the 2023 ITP Year 5 and 10 MEMs. The Constraint Assessment was re-performed only for Future 2 Year 10 models; the resulting constraints have been applied across all scenarios. In accordance with RR500, the data was submitted on time, but was omitted by SPP and has been incorporated as a model correction update.

- **Entities Required to Provide Feedback**

All interested stakeholders

- **Due Date and Method of Submittal**

Please provide feedback by COB Tuesday, November 29, 2022. Staff will incorporate feedback and will solicit a vote for approval of the economic constraints from the TWG via email following the December TWG meeting on December 5, 2022.

- **Changes from Last Pass** – N/A

- **Material Disclaimer**

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

- **File location on GlobalScape**

For users who have signed an SPP non-competitive duty NDA:

These files can be found on GlobalScape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → in the “Constraint Assessment Review” folder.

File Name	Description
2023 ITP Constraint Assessment Review.xlsx	Workbook containing SPP and NERC permanent flowgates, SPP MEM model constraints, 69 kV constraints, and SPP and NERC Interfaces to be reviewed for the 2023 ITP cycle
2023 ITP Draft Constraint Assessment Event File_Y2.eve 2023 ITP Draft Constraint Assessment Event File_Y5.eve 2023 ITP Draft Constraint Assessment Event File_Y10.eve	Event file containing the events developed in the 2023 ITP Constraint Assessment

- **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 the SPP Request Management System (RMS)**, using the “Initiate a System Access Action” **Request Template**, “Access” **Request Type** “Globalscape File Sharing” **Subtype 1**, “Add User” **Subtype 2** and “SPPDocushare / Engineering / TCR Models” **Subtype 3**.

- *Note: Subtype 2 also has selections for “Password Reset” or “Remove User”*
- Other helpful links can be found on [SPP.org](#).