Western Power Pool Request to Sign RC West Western Interconnection Data Sharing Agreement

The Western Power Pool (WPP) performs model validation studies on behalf of 14 member utilities in support of NERC MOD-033 compliance. Requirement R1 of the NERC MOD-033 Standard requires Planning Coordinators perform a comparison of the planning power flow model to state estimator case or other real-time data. To perform this comparison WPP staff and the participating members use WECC power flow base cases and a regional state estimator case. Previous validations have used the Peak Reliability WSM as the state estimator case or an individual utility’s modified version of the Peak Reliability WSM state estimator case. Going forward, the member utilities have requested we use the RC West state estimator and HANA export cases for validation as they provide the most accurate and up to date real-time models available representing the member systems.


NERC MOD-033-2 Requirement R1:

R1. Each Planning Coordinator shall implement a documented data validation process that includes the following attributes: [Violation Risk Factor: Medium] [Time Horizon: Long-term Planning]

1.1. Comparison of the performance of the Planning Coordinator’s portion of the existing system in a planning power flow model to actual system behavior, represented by a state estimator case or other Real-time data sources, at least once every 24 calendar months through simulation;

Additionally, WPP staff administers the Northwest Power Pool Reserve Sharing (NWPP RSG) Program. WPP staff is responsible for monitoring the real time operation of the NWPP RSG program which provides data to the RC West Reliability Coordinator (including other RCs in the West) function as well as collection of data for compliance purposes after the fact. This data currently is difficult and time consuming to validate on a routine basis. Access to RC West’s Pi Vision would allow WPP staff to validate data accuracy without any personal interaction with RC West staff. Also, Contingency Reserve Obligation as associated with many reliability standards lies within the responsibility of the NWPP RSG and access to operating data from all reliability coordinators will enhance the ability of WPP staff to identity and remedy real-time reliability issues. Access to real-time interconnection data will also allow WPP staff to identify emerging issues related to deliverability of reserve energy that may require enhancements to the NWPP RSG programs.