**VPWG report to ROS – November 2019**

VPWG meetings on September 3 and November 5

* Kickoff of the case building for Winter/Spring 2020 voltage profile studies. Currently in Pass 3 of changes. Voltage profile to be posted December 1.
* Reviewed language in NPRR966 to support Reactive Power Coordination Tool (RPC). Some concerns expressed about it being premature and too prescriptive.
* ERCOT provided update on the RPC tool. Tool moving out of proof of concept state into active development but it would still take time and testing before becoming fully operational. Expected benefits include better voltage control with so many inverter based generators. Also total number of switching of reactive devices may be less. May also provide better transfer capability by the optimization of reactive devices. Some concerns about the linear solution technique in the OPF.
* Discussed NOGRR195 which focused on 1) the notification timeline between QSE, Resources, TO and ERCOT when there are deviations from the voltage set point 2) tightening the existing generator tolerance band from +/- 2% of voltage set point to kV levels. ERCOT stated that, in looking at PI data, a majority of generator set points were within the proposed tolerance bands. However, there was some concern for at least one TO with the +/- 3 kV tolerance band for 345 kV POI needing more frequent adjustments to the reactive power devices or voltage set point.

Matthew A. Lewis

AEP

Chair

Biju Mathew

LCRA

Vice Chair