ERCOT STEADY STATE WORKING GROUP (SSWG)

## November 2018 Report to ROS

### Recent Meetings

SSWG October Business Meeting -- Oct. 16th & 17th -- 42 & 33 Participants respectively

### 18SSWG Update 1 Case Build (Years 2019 – 2025)

* The 2018 SSWG Update 1 Base Case build process began August 10, 2018 and was completed on October 10, 2018. The associated Contingency List and Data Dictionary were posted October 30, 2018 and October 25, 2018 respectively.
  + The 18SSWG U1 19SPG1 and 19WIN1 cases did not solve until load was reduced in Far West Texas. See the “18SSWG Update 1 Case Information” listed below for more details.
* SSWG met at ERCOT Taylor on October 16th and 17th for this year’s Business Meeting. Several training topics and improvement ideas were discussed. DWG and VPWG representatives were present for the discussions.

18SSWG Update 1 Case Information

**18SSWG U1 19SPG1 Case**

Within the 18SSWG U1 case set, the 19SPG1 case contains all expected load and topology for the Year/Season. This case does not solve.

18SSWG\_2019\_SPG1\_U1\_Final\_10102018\_ExpectedLoad\_Nonsolving

In order for SSWG to provide a 19SPG1 case, an idev that scales down the load in the Delaware Basin by 12%, allowing the case to solve, has been provided. Below is the referenced idev:

Oncor\_19SPG1\_Loads.idv

The resulting case with reduced load from the idev is included in the case set. This case may be used for load flow analysis electrically distant from the Delaware Basin especially East of the Far West weather zone. It is up to the user to understand the limitations of this case. For the full load, refer to the nonsolving case.

18SSWG\_2019\_SPG1\_U1\_Final\_10102018\_ReducedLoad\_Solving

**17SSWG U4 19WIN1 Case**

Within the 18SSWG U1 case set, the 19WIN1 case contains all expected load and topology for the Year/Season. This case does solve, but with voltage violations in the Far West weather zone.

17SSWG\_2019\_WIN1\_U4\_Final\_10102018\_ExpectedLoad\_SolvingWithViolations

In order for SSWG to provide a 19WIN1 case, an idev that scales down the load in the Delaware Basin by 8%, allowing the case to solve with more stable results, has been provided. Below is the referenced idev:

Oncor\_19WIN1\_Loads.idv

The resulting case with reduced load from the idev is included in the case set. This case may be used for load flow analysis electrically distant from the Delaware Basin especially East of the Far West weather zone.  It is up to the user to understand the limitations of this case. For the full load, refer to the above SolvingWithViolations case.

17SSWG\_2019\_WIN1\_U4\_Final\_10102018\_ReducedLoad\_Solving