NPRR 863 Summary of ERCOT Changes

# 3.18 Resource Limits in Providing Ancillary Service

1. Under 4(a) added language to clarify the default limit on a individual generators when providing FRS.

“The full amount of FRS awarded to or self-arranged from an On-Line Generation Resource is dependent upon the verified droop characteristics of the Resource. ERCOT shall calculate and update using the methodology described in the Nodal Operating Guide, a maximum MW amount of FRS for each Generation Resource subject to verified droop performance. The default value for any newly qualified generator shall be 20% of its HSL; “

1. 4 (b) Recalling Generation Resources operating in the synchronous condenser fast-response mode and providing FRS.
2. 4(d) Recalling FFR Resources providing FRS.

# 8.1.1.2.1.6 Primary Frequency Response Service Qualification

1. Added 1(c ) “Generation Resources operating in the synchronous condenser fast-response mode;” for consistency
2. Changed (2) to align with Section 3.18 (4) (a) above including the default 20%.

# Section 8.5.1.1 Governor in Service

1. Added language to exclude Regulation providers from provision of widening governor dead-band to ±0.036 Hz.
2. Corrected the typo “0.36 Hz” to 0.036 Hz

# Other General Changes

1. Changed FFR full response requirement from 30 cycles to FFR 15 cycles primarily to help mitigate critical inertia. (see slide #29 at the link below) <http://www.ercot.com/content/wcm/key_documents_lists/149353/00__Inertia_Workshop_05182018_v8.pptx>
2. Addressed feedback at the last PDCWG about Section 3.16. (2)(b) The minimum capacity required from Resources providing PFR and providing FRS shall not be less than 1,150 MW;
3. Deleted ONFFRRRS and OFFRRRSL, these status are not needed since RRS is an hourly obligation and if FFR capable resources can meet the hourly obligation then there is no need for separate status.
4. Added a new section on FRS monitoring “8.1.1.3.4 Frequency Response Service Capacity Monitoring Criteria”
5. Settlement related changes