

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Current NERC Frequency Response Activities

Tom Pruitt, Duke Energy
NERC Resources Subcommittee
Atlanta, Georgia
September 18, 2019

RELIABILITY | ACCOUNTABILITY



- Quarterly review of frequency events for all interconnections
 - Review and adjustment of event selection criteria
 - Events identified using FNET and Genscape, usually captures all generation trips more than ~500 MW
 - Selection of the events used for BAL-003 analysis to determine compliance with each BA's Frequency Response Obligations (FROs)
- Reliability Guideline: Primary Frequency Control - Version 2
 - Approved by the Operating Committee on June 4, 2019
 - https://www.nerc.com/comm/OC_Reliability_Guidelines_DL/PFC_Reliability_Guideline_rev20190501_v2_final.pdf
- Frequency Response Annual Analysis (FRAA) Report review and endorsement to the OC for approval
 - FRAA determines Interconnection Frequency Response Obligations (IFROs)

- Second Generation Survey
 - First webinar on September 19 (tomorrow)
 - Multiple events for each interconnection have been identified for evaluation of response performance (May –Aug)
 - Coordination of submittals through the host BA
 - Notifications to actual operations personnel (where known), not just compliance contacts
 - Simplified spreadsheet use

Project 2017-01 Modifications to BAL-003-1.1

- Phase I
 - Primarily administrative changes
 - Resource Loss Protection Criteria (RLPC) as the basis to determine Interconnection Frequency Response Obligations (IFROs)
 - Initial ballot passed with 96.41% approval
 - Final ballot planned for October, presentation to NERC BoT in November, and filing with FERC in December
- Phase II
 - Initial comment period for planned for November/December
 - Current plan (but still in development) is to have two GO/GOP requirements and two BA requirements, similar to BAL-001-TRE-1

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION



Questions and Answers



Tom Pruitt
Duke Energy
Office (980) 701-8117
Tom.Pruitt@duke-energy.com