NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

BAL-003-1 Frequency Bias Settings and L_{10} Values for 2018 Implementation

March 24, 2018

Frequency Bias Settings and L_{10} Values

The ERO has finalized validation of the 2018 Frequency Bias Settings, calculated L_{10} values for each Balancing Authority, and computed the total Frequency Bias for each interconnection based on BAL-003-1 submittals.

This document provides the final 2018 Frequency Bias Settings in accordance with Standard BAL-003-1 Requirements R2, R3, and R4.

Note that the total minimum bias in the Eastern Interconnection increased slightly (more negative) than indicated in the initial posting when the Frequency Response Obligations were published in November 2017 due to use of updated Form 714 data.

The 2018 implementation instructions and Frequency Bias Settings have been posted on the Balancing Authority Submittal Site and the Resources Subcommittee website.

Implementation Schedule

Balancing Authorities are to implement the 2018 Frequency Bias Settings on Tuesday, April 3, 2018. For the Western Interconnection, the Bias and L10 changes should be done at 10:00 a.m. PDT/11:00 a.m. MDT because the Bias settings within the interconnection and the calculations performed for Automatic Time Error Correction (ATEC) need to be coordinated. No specific time is specified for the Eastern Interconnection, but the changes should be implemented no later than close-of-business (5:00 p.m. EDT/4:00 p.m. CDT).

The Frequency Bias Settings implementation is being scheduled for Tuesday to avoid implementation on the weekend (April 1st is Sunday) or on a Monday.

The 2018 Frequency Bias Settings are to remain in effect through the end of March 2019 (when the 2019 settings go into effect), unless otherwise instructed by the ERO.

The Bias settings are prescribed in one decimal point accuracy. If your BA's EMS system is not capable of handling decimal points, please round up in your implementation. It is better to be over-biased than under-biased.

Please contact Brad Gordon (brad.gordon@nerc.net), Elsa Prince (elsa.prince@nerc.net), or Bob Cummings (bob.cummings@nerc.net) for additional information or assistance.