

# BAL-003-1 Frequency Bias Settings and L<sub>10</sub> Values for 2019 Implementation

March 22, 2019

## Frequency Bias Settings and L<sub>10</sub> Values

The ERO has finalized validation of the 2019 Frequency Bias Settings, calculated L<sub>10</sub> 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 2019 Frequency Bias Settings in accordance with Standard BAL-003-1 Requirements R2, R3, and R4.

The 2019 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 2019 Frequency Bias Settings on Tuesday, April 2, 2019.** For the Western Interconnection, the Bias and L<sub>10</sub> 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, April 2, 2019 to avoid implementation on a Monday.

The 2019 Frequency Bias Settings are to remain in effect through the end of March 2020 (when the 2020 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 preferable to be over-biased than under-biased.

Please contact Brad Gordon ([brad.gordon@nerc.net](mailto:brad.gordon@nerc.net)) or Elsa Prince ([elsa.prince@nerc.net](mailto:elsa.prince@nerc.net)) for additional information or assistance.