NOTICE DATE:  March 31, 2017

NOTICE TYPE:  M-D033117-01 Settlements

SHORT DESCRIPTION:   Implementation of NPRR746 and NPRR786

INTENDED AUDIENCE:  ERCOT Market Participants

DAYS AFFECTED:  May 1 – 11, 2017

**LONG DESCRIPTION**:  As part of the 2017-R2 scheduled release, ERCOT will be implementing Nodal Protocol Revision Request (NPRR) 746, Adjustments Due to Negative Load and NPRR786, Consumption Data Adjustments for Negative Load. These NPRRs introduce adjustments to the Settlement equations to resolve settlement issues arising from QSEs being assigned Negative Load.

Protocol Section 4.2.1.2 adjustment:

The LRSQSE calculation will be modified such that if the resultant QSE-level share is negative, the QSE’s share will be set to zero and all other QSE shares will be adjusted on a pro rata basis such that the sum of all shares is equal to one.

Protocol Section Addition:

6.6.2.3         ERCOT Total Adjusted Metered Load for an Operating Hour

ERCOT total AML (excluding the DC Tie export associated with the QSEs under the Oklaunion Exemption) for an Operating Hour is calculated as follows:

HRTAMLTOT     =           (max(0, RTAML *q, p*) )

Protocol Section 6.6.2.3 becomes 6.6.2.4 and the equation is modified as below:

            HLRS *q*    =          (max(0,RTAML *q, p, i*)) / (HRTAMLTOT)

Protocol Sections 6.6.11.1, and 6.6.11.2, will have the following definition change:

|  |  |  |
| --- | --- | --- |
| ERSLRS *qc(tp)* | None | *ERS Load Ratio Share per QSE per ERS Contract Period per ERS Time Period per ERS Service Type*—ERS LRS for QSE *q* for ERS Contract Period *c*, ERS Time Period *tp* and ERS service type *d,* calculated starting with the first hour of the ERS Contract Period and ending with the earlier of the last hour of the ERS Contract Period or the hour containing the recall instruction in an ERS deployment event that results in the exhaustion of a QSE portfolio’s ERS obligation.  **If the resultant QSE-level share is negative, the QSE’s share will be set to zero and all other QSE shares will be adjusted on a pro rata basis such that the sum of all shares is equal to one.** |

Protocol Section 7.5.7

The billing determinant MLRSZ (Monthly Load Ratio Share Zonal) will be modified such that if the sum of the QSE load in a load zone is negative, their MLRSZ value will be zero and negative load will not be included when ERCOT creates billing determinant RTAMLLZTOT (Real-Time Adjusted Metered Load by Load Zone Total).

The following equations will have a max(0) introduced:

6.6.2.1 ERCOT Total Adjusted Metered Load for a 15-Minute Settlement Interval

RTAMLTOT =          (max(0,RTAML *q, p*))

6.6.2.2 QSE Load Ratio Share for a 15-Minute Settlement Interval

LRS *q*   =       (max(0,RTAML *q, p*)) / RTAMLTOT

9.16.1 ERCOT System Administration Fee

     ESACAMT*q*  =  LAFF \*  max(0, RTAML*q, p* )

9.19.1 Default Uplift Invoices

URTAML*mp* = max (0,∑*p, i* (RTAML*mp, p, i*))

11.4.5 (2,3) Adjustment of Consumption Data for Losses

(2)       NDLAL i Aggregated Group =          Max (0, L i Aggregated Group) \* 1 / (1- DLF i Aggregated Group)

(3)        NLAL *i Aggregated Group*            =                      Max (0, NDLAL *i Aggregated Group*) \* 1/ (1 - TLF *i*)

11.4.6.4     Unaccounted For Energy Allocation to Load Serving Entities within Unaccounted For Energy Categories

            UFE *PRiz LSE* =          UFE *PRiz*\*           (Max (0, L *PRiz LSE*) / L *PRiz*)

UFE *IDRiz LSE* =          UFE*IDRiz*          \*           (Max (0, L *IDRiz LSE*) / L *IDRiz*)

UFE *TRiz LSE*  =          UFE*TRiz*                       \*           (Max (0, L *TRiz LSE*) / L *TRiz*)

UFE TNOIEiz LSE         =          UFE TNOIEiz      \*           (Max (0, L TNOIEiz LSE) / L TNOIEiz)

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CONTACT:  If you have any questions, please contact your ERCOT Account Manager. You may also call the general ERCOT Client Services phone number at (512) 248-3900 or contact ERCOT Client Services via email at [ClientServices@ercot.com](mailto:ClientServices@ercot.com).

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