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| NPRR Number | [1195](https://www.ercot.com/mktrules/issues/NPRR1195) | NPRR Title | Resource Entity Metering Facilities Maintenance |
| Date Posted | | August 17, 2023 | |
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| Requested Resolution | | Normal | |
| Nodal Protocol Sections Requiring Revision | | 10.8.1.1, Duty to Maintain EPS Metering Facilities  10.8.1.2, EPS Metering Facilities Repairs  10.9.1, ERCOT-Polled Settlement Meters | |
| Related Documents Requiring Revision/Related Revision Requests | | None | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) assigns ERCOT-Polled Settlement (EPS) Metering Facilities maintenance and repair responsibilities to the owner of the Metering Facilities when such is not owned by a Transmission and/or Distribution Service Provider (TDSP). | |
| Reason for Revision | | Addresses current operational issues.  Meets Strategic goals (tied to the [ERCOT Strategic Plan](https://www.ercot.com/files/docs/2018/12/13/ERCOT_Strategic_Plan_2019-2023.pdf) or directed by the ERCOT Board).  Market efficiencies or enhancements  Administrative  Regulatory requirements  Other: (explain)  *(please select all that apply)* | |
| Business Case | | All EPS meter designs that include portions of the metering circuit that are owned by a Resource Entity are not currently addressed by Protocol. EPS Metering Facilities are sometimes located within a Resource Entity’s facility that is not under a TDSP control or authority. Section 10.8, Maintenance of Metering Facilities, and Section 10.9, Standards for Metering Facilities, place full responsibility upon the TDSP to affect repairs. ERCOT must have the authority in the Protocols to enforce EPS maintenance requirements on all owners of EPS Metering Facilities. | |

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| Proposed Protocol Language Revision |

10.8.1.1 Duty to Maintain EPS Metering Facilities

(1) Each Transmission Service Provider (TSP) and Distribution Service Provider (DSP) shall maintain its ERCOT-Polled Settlement (EPS) Metering Facilities to meet the standards prescribed by this Section and the Settlement Metering Operating Guide (SMOG). If the EPS Metering Facilities of a TSP or DSP require maintenance to ensure that they operate in accordance with the requirements of this Section, SMOG, or any Governmental Authority, then the TSP or DSP shall notify ERCOT of the need for such maintenance. The TSP or DSP shall also inform ERCOT five Business Days in advance of the time period during which such maintenance is expected to occur. During that period, the TSP or DSP, or its authorized representative, after notifying ERCOT, shall be entitled to access sealed EPS Metering Facilities to which access is required in order to undertake the required maintenance.

(2) Resource Entities shall be responsible for the maintenance of EPS Metering Facilities owned by the Resource Entity as prescribed by this Section and the Settlement Metering Operating Guide (SMOG).

10.8.1.2 EPS Metering Facilities Repairs

(1) If an EPS Metering Facility requires repairs to ensure that it operates in accordance with the requirements of this Section, then the TSP or DSP shall immediately notify ERCOT of the need for repairing such Metering Facility. If, however, operating conditions are such that it is not possible for the Transmission and/or Distribution Service Provider (TDSP) to notify ERCOT of the need for repairs, then the TDSP may make the necessary repairs and then notify ERCOT of the repairs prior to the end of the next Business Day.

(a) Where no Back-up Meter exists or Back-up Meter data is unavailable, the TSP or DSP shall ensure that the metering point is repaired and operational within 12 hours of problem detection. ERCOT may, at its discretion, reduce the repair timeline from 12 to six hours if the meter data is required for Real-Time Market (RTM) Settlements on the same day or an upcoming ERCOT non-Business Day.

(b) Where a functional and operational Back-up Meter exists, the TSP or DSP shall ensure that the metering point is repaired and operational within five Business Days of problem detection.

(c) Resource Entities that own a portion of the facilities associated with the EPS Meter shall be responsible for meeting the requirements of paragraphs (a) and (b) above.

10.9.1 ERCOT-Polled Settlement Meters

(1) The TSP or DSP for ERCOT-Polled Settlement (EPS) Meters shall ensure that the EPS Metering Facilities comply with this Section and the Settlement Metering Operating Guide (SMOG). This requirement does not apply to Resource Entity-owned Metering Facilities used to measure, calculate, or telemeter Energy Storage Resource (ESR) auxiliary Load pursuant to Section 10.2.4, Resource Entity Calculation and Telemetry of ESR Auxiliary Load Values.

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| ***[NPRR995: Replace paragraph (1) above with the following upon system implementation:]***  (1) The TSP or DSP for ERCOT-Polled Settlement (EPS) Meters shall ensure that the EPS Metering Facilities comply with this Section and the Settlement Metering Operating Guide (SMOG) except that any EPS Metering Facilities owned by the Resource Entity shall be the responsibility of the Resource Entity to maintain acceptable performance. This requirement does not apply to Resource Entity-owned Metering Facilities used to measure, calculate, or telemeter Energy Storage Resource (ESR), Settlement Only Distribution Energy Storage System (SODESS), or Settlement Only Transmission Energy Storage System (SOTESS) auxiliary Load pursuant to Section 10.2.4, Resource Entity Calculation and Telemetry of ESR, SODESS, or SOTESS Auxiliary Load Values. |

(2) IDRs used for settlement of EPS Metering Facilities shall:

(a) Capture energy consumption and/or production in increments consistent with ERCOT defined Settlement Interval;

(b) Be able to capture energy in increments of five minutes (excluding memory allocation) for new and replacement IDRs used for settlement;

(c) Provide interval data for daily polling on a schedule that supports ERCOT’s requirements (typically a daily cycle);

(d) Be capable of having data retrieved via telemetry by Meter Data Acquisition System (MDAS);

(e) Have battery or other energy-storage back-up to maintain time during power outages;

(f) Have remote time synchronization capability compatible with the MDAS;

(g) Maintain meter clocks on a time reference standard that enables ERCOT MDAS to maintain the IDR data on Central Prevailing Time (CPT). The meter clock shall be synchronized to within +/- 1% of the Settlement Interval when compared with the National Institute of Standards and Technology (NIST) Atomic Clock. ERCOT shall perform the time synchronization for meters at the time of the interrogation if the meter is outside tolerance; and

(h) Divide each hour into Settlement Intervals ending as follows:

XX:15:00

XX:30:00

XX:45:00

XX:00:00