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| NPRR Number | [1195](https://www.ercot.com/mktrules/issues/NPRR1195) | NPRR Title | Resource Entity Metering Facilities Maintenance |
| Date of Decision | April 11, 2024 |
| Action | Approved |
| Timeline  | Normal |
| Estimated Impacts | Cost/Budgetary: NoneProject Duration: Not applicable |
| Effective Date | May 1, 2024 |
| Priority and Rank Assigned | Not applicable |
| Nodal Protocol Sections Requiring Revision  | 10.8.1.1, Duty to Maintain EPS Metering Facilities10.8.1.2, EPS Metering Facilities Repairs10.9.1, 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 |  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 1 – Be an industry leader for grid reliability and resilience [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 2 - Enhance the ERCOT region’s economic competitiveness with respect to trends in wholesale power rates and retail electricity prices to consumers [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 3 - Advance ERCOT, Inc. as an independent leading industry expert and an employer of choice by fostering innovation, investing in our people, and emphasizing the importance of our mission General system and/or process improvement(s) Regulatory requirements ERCOT Board and/or PUCT Directive*(please select ONLY ONE – if more than one apply, please select the ONE that is most relevant)* |
| Justification of Reason for Revision and Market Impacts | All EPS Meter designs that include portions of the metering circuit that are owned by a Resource Entity are not currently addressed by Protocols. 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.  |
| PRS Decision | On 9/13/23, PRS voted unanimously to table NPRR1195 and refer the issue to WMS. The Independent Retail Electric Provider (IREP) Market Segment did not participate in the vote.On 12/15/23, PRS voted unanimously to recommend approval of NPRR1195 as submitted. All Market Segments participated in the vote.On 1/11/24, PRS voted unanimously to endorse and forward to TAC the 12/15/23 PRS Report and 1/4/24 Impact Analysis for NPRR1195. All Market Segments participated in the vote. |
| Summary of PRS Discussion | On 9/13/23, participants clarified that NPRR1195 does not propose that Resource Entities be uniformly responsible for maintenance and repair requirements, but only if not under the control or authority of a TDSP, and requested further review by WMS.On 12/15/23, there was no discussion.On 1/11/24, participants reviewed the 1/4/24 Impact Analysis. |
| TAC Decision | On 1/24/24, TAC voted unanimously to recommend approval of NPRR1195 as recommended by PRS in the 1/11/24 PRS Report. All Market Segments participated in the vote. |
| Summary of TAC Discussion | On 1/24/24, there was no additional discussion beyond TAC review of the items below. |
| TAC Review/Justification of Recommendation |  Revision Request ties to Reason for Revision as explained in Justification  Impact Analysis reviewed and impacts are justified as explained in Justification Opinions were reviewed and discussed Comments were reviewed and discussed (if applicable) Other: (explain) |
| ERCOT Board Decision | On 2/27/24, the ERCOT Board voted unanimously to recommend approval of NPRR1195 as recommended by TAC in the 1/24/24 TAC Report. |
| PUCT Decision | On 4/11/24, the PUCT approved NPRR1195 and accompanying ERCOT Market Impact Statement as presented in Project No. 54445, Review of Protocols Adopted by the Independent Organization. |

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| **Opinions** |
| Credit Review | ERCOT Credit Staff and the Credit Finance Sub Group (CFSG) have reviewed NPRR1195 and do not believe that it requires changes to credit monitoring activity or the calculation of liability. |
| Independent Market Monitor Opinion | The Independent Market Monitor (IMM) has no opinion on NPRR1195. |
| ERCOT Opinion | ERCOT supports approval of NPRR1195. |
| ERCOT Market Impact Statement | ERCOT Staff has reviewed NPRR1195 and believes the market impact for NPRR1195 is clarified responsibility for and improved maintenance of EPS Metering Facilities. |

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| **Comments Received** |
| Comment Author | **Comment Summary** |
| WMS 101123 | Requested PRS continue to table NPRR1195 for further review by the Metering Working Group (MWG)  |
| WMS 120823 | Endorsed NPRR1195 as submitted |

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| **Market Rules Notes** |

Administrative changes to the language were made and authored as “ERCOT Market Rules.”

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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