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| SMOGRR Number | [034](https://www.ercot.com/mktrules/issues/SMOGRR034) | SMOGRR Title | Remove Obsolete Gray Box regarding NPRR1020 |
| Date of Decision | September 22, 2025 |
| Action | Recommended Approval |
| Timeline | Normal |
| Estimated Impacts | Cost/Budgetary: NoneProject Duration: No project required |
| Proposed Effective Date | First of the month following Public Utility Commission of Texas (PUCT) approval |
| Priority and Rank Assigned | Not applicable |
| Settlement Metering Operating Guide Sections Requiring Revision | 4.1, Standard IDR Channel Assignments |
| Related Documents Requiring Revision/Related Revision Requests | None |
| Revision Description | This Settlement Metering Operating Guide Revision Request (SMOGRR) removes obsolete gray box language associated with Nodal Protocol Revision Request (NPRR) 1020, Allow Some Integrated Energy Storage Designs to Calculate Internal Loads. |
| 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/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 | When NPRR1020 was approved, it was envisioned that the calculation of Wholesale Storage Load (WSL) active energy (kWh) used to charge the Energy Storage Resource (ESR) would be performed in the Settlements system. Currently, this calculation is performed in the ERCOT-Polled Settlement (EPS) Meters, making this gray box no longer applicable or needed. |
| WMS Decision | On 6/4/25, WMS voted unanimously to recommend approval of SMOGRR034 as submitted. All Market Segments participated in the vote.On 7/9/25, WMS voted unanimously to endorse and forward to TAC the 6/4/25 WMS Report and 5/20/25 Impact Analysis for SMOGRR034. All Market Segments participated in the vote. |
| Summary of WMS Discussion | On 6/4/25, ERCOT Staff reviewed SMOGRR034.On 7/9/25, participants reviewed the Impact Analysis. |
| TAC Decision | On 7/30/25, TAC voted unanimously to recommend approval of SMOGRR034 as recommended by WMS in the 7/9/25 WMS Report. All Market Segments participated in the vote. |
| Summary of TAC Discussion | On 7/30/25, 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 9/22/25, the ERCOT Board voted unanimously to recommend approval of SMOGRR034 as recommended by TAC in the 7/30/25 TAC Report. |

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| **Opinions** |
| **Credit Review** | Not applicable |
| **Independent Market Monitor Opinion** | IMM has no opinion on SMOGRR034. |
| **ERCOT Opinion** | ERCOT supports approval of SMOGRR034. |
| **ERCOT Market Impact Statement** | ERCOT Staff has reviewed SMOGRR034 and believes it improves SMOG clarity by removing obsolete language. |

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| Name | Calvin Opheim |
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| Phone Number | 512-248-3944 |
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| Market Segment | Not Applicable |

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| **Market Rules Staff Contact** |
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| **Comments Received** |
| **Comment Author** | **Comment Summary** |
| None |  |

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| **Market Rules Notes** |

None

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| Proposed Guide Language Revision |

## 4.1 Standard IDR Channel Assignments

(1) Interval Data Recorder (IDR) channel assignment programming for ERCOT-Polled Settlement (EPS) Meters shall conform to the following:

(a) Unidirectional meters for Loads:

(i) Channel 1 shall record active energy (kWh) flowing out of the ERCOT System;

(ii) Channel 2 shall record reactive energy (kVArh) flowing out of the ERCOT System (quadrant 1 plus quadrant 2); and

(iii) Channel 3 shall record reactive energy (kVArh) flowing into the ERCOT System (quadrant 3 plus quadrant 4).

(b) Bi-directional meters and generation meters with no Resource Entity calculated auxiliary Load:

(i) Channel 1 shall record active energy (kWh) flowing out of the ERCOT System;

(ii) Channel 2 shall record reactive energy (kVArh) flowing out of the ERCOT System (quadrant 1 plus quadrant 2);

(iii) Channel 3 shall record reactive energy (kVArh) flowing into the ERCOT System (quadrant 3 plus quadrant 4); and

(iv) Channel 4 shall record active energy (kWh) flowing into the ERCOT System.

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(c) WSL meters that include a Resource Entity calculated auxiliary Load and a Transmission and/or Distribution Service Provider (TDSP) calculated Wholesale Storage Load (WSL):

(i) Channel 1 shall record active energy (kWh) flowing into the Energy Storage Resource (ESR);

(ii) Channel 2 shall record reactive energy (kVArh) flowing into the ESR (quadrant 1 plus quadrant 2); and

(iii) Channel 3 shall record reactive energy (kVArh) flowing out of the ESR (quadrant 3 plus quadrant 4).

(iv) Channel 4 shall record active energy (kWh) flowing out of the ESR.

(v) Channel 5 shall record auxiliary Load active energy (kWh) from Resource Entity provided Real-time telemetry.

(vi) Channel 6 shall record the WSL calculated active energy (kWh) used to charge the ESR.

(2) TDSPs may utilize other recording channels, on EPS Meters equipped with more than the required channels, for additional data recording, provided the utilization of such channels does not interfere with the EPS Meter settlement requirements or the ability of the Meter Data Acquisition System (MDAS) to retrieve the settlement data. In addition, the interval length for any optional channels retrieved by MDAS shall be consistent with the settlement data interval. Use of more than 16 channels shall require ERCOT approval.