|  |  |  |  |
| --- | --- | --- | --- |
| NOGRR Number | [272](https://www.ercot.com/mktrules/issues/NOGRR272#summary) | NOGRR Title | Advanced Grid Support Requirements for Inverter-Based ESRs |

|  |  |
| --- | --- |
| Date | August 20, 2025 |

|  |  |
| --- | --- |
| Submitter’s Information | |
| Name | Shun Hsien (Fred) Huang; Matthew Arth |
| E-mail Address | [Shun-Hsien.Huang@ercot.com](mailto:Shun-Hsien.Huang@ercot.com); [Matthew.Arth@ercot.com](mailto:Matthew.Arth@ercot.com) |
| Company | Electric Reliability Council of Texas, Inc. (ERCOT) |
| Phone Number | 512-248-6665; 512-275-7435 |
| Cell Number |  |
| Market Segment | Not Applicable |

|  |
| --- |
| Comments |

ERCOT suggests further edits to Nodal Operating Guide Revision Request (NOGRR) 272 in paragraph (2) of Section 2.14, Advanced Grid Support Requirements for Inverter-Based Resources (IBRs), intended to address the August 1, 2025 Spearmint Energy, Mortensen, and esVolta comments; the August 6, 2025 Plus Power comments; and concerns raised by certain stakeholders at the August 7, 2025 Reliability and Operations Subcommittee (ROS) meeting.

These comments remove reference to non-in-kind replacements of equipment. Only changes to an Energy Storage Resource (ESR) resulting in additional capacity on an aggregate nameplate basis would trigger the requirements of Section 2.14, which would apply only to the ESR’s increased capacity but not the original capacity. Language was also added to establish this requirement applies only to capacity additions made on or after April 1, 2026.

|  |
| --- |
| Revised Cover Page Language |

None

|  |
| --- |
| Revised Proposed Guide Language |

**2.14 Advanced Grid Support Requirements for Inverter-Based Resources (IBRs)**

(1) An Energy Storage Resource (ESR) shall provide the following advanced grid support when within the inverter current limit:

(a) Meet the modeling requirements in Planning Guide Section 6.2, Dynamics Model Development, to demonstrate the capability to maintain an internal voltage phasor in the sub-transient-to-transient timeframe and control the voltage phasor to maintain synchronism with the ERCOT Transmission Grid.

(2) An ESR interconnected to the ERCOT Transmission Grid pursuant to an original Standard Generation Interconnection Agreement (SGIA) executed before April 1, 2026 is not required to comply with the requirements of this Section 2.14. Notwithstanding the prior sentence, the requirements of this Section 2.14 apply to those portions of any ESR modifications adding MW capacity, on an aggregate nameplate basis, on or after April 1, 2026.