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| NPRR Number | [1075](http://www.ercot.com/mktrules/issues/NPRR1075) | NPRR Title | Update Telemetered HSL for ESRs in Real-Time to Meet Ancillary Service Resource Responsibility |
| Date Posted | | April 28, 2021 | |
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| Requested Resolution | | Urgent – Urgent status is necessary to put the language into effect as soon as possible, so that Energy Storage Resources (ESRs) can better contribute to system reliability during summer peak demand. | |
| Nodal Protocol Sections Requiring Revision | | 3.8.5, Energy Storage Resources | |
| Related Documents Requiring Revision/Related Revision Requests | | None | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) allows ESRs to update their High Sustained Limit (HSL) in Real-Time for the purposes of maintaining sufficient energy to meet an Ancillary Service Resource Responsibility. The ability for ESRs to update their Real-Time HSL would expire at the earlier of system implementation of Real-Time Co-Optimization (RTC) or implementation of a Mitigated Offer Cap (MOC) for ESRs other than the System-Wide Offer Cap (SWCAP). | |
| Reason for Revision | | Addresses current operational issues.  Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/wcm/lists/144926/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 | | This NPRR clarifies that ESRs are allowed to update their Real-Time telemetered HSL in order to ensure sufficient state of charge (stored energy) to meet Ancillary Service Obligations. Without the ability to modify Real-Time telemetered HSL for this purpose, an ESR cannot prevent dispatch and depletion of state of charge when prices rise to the SWCAP.  Because the MOC for ESRs is currently set to the SWCAP, ESRs gain no financial benefit from the ability to modify their Real-Time HSL. This NPRR would remove the allowance for ESRs to modify Real-Time HSL at the earlier of RTC implementation or implementation of a different MOC than the SWCAP. | |

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| Proposed Protocol Language Revision |

***3.8.5 Energy Storage Resources***

(1) The Resource Entity and QSE representing an Energy Storage Resource (ESR) which is jointly registered with ERCOT as a Generation Resource and a Controllable Load Resource, pursuant to paragraph (6) of Section 16.5, Registration of a Resource Entity, are responsible for following all requirements in these Protocols associated with Generation Resources and Controllable Load Resources.

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| ***[NPRR1002: Replace paragraph (1) above with the following upon system implementation:]***  (1) For the purposes of all ERCOT Protocols and Other Binding Documents, all requirements that apply to Generation Resources and Controllable Load Resources shall be understood to apply to Energy Storage Resources (ESRs) to the same extent, except where the Protocols explicitly provide otherwise. |

(2) A QSE representing an ESR may update the telemetered HSL for the ESR in Real-Time to ensure the ability to meet the ESR’s full Ancillary Service Resource Responsibility. This provision only applies when the Mitigated Offer Cap (MOC) for an ESR is set at the System-Wide Offer Cap (SWCAP) pursuant to paragraph (1)(b) of Section 4.4.9.4.1, Mitigated Offer Cap.

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| ***[NPRR1075: Delete paragraph (2) above upon system implementation of the Real-Time Co-Optimization (RTC) project:]*** |