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| SCR Number | [822](https://www.ercot.com/mktrules/issues/SCR822) | SCR Title | Create Daily Energy Storage Integration Report and Dashboard |
| Date of Decision | | August 16, 2022 | |
| Action | | Recommended Approval | |
| Timeline | | Normal | |
| Proposed Effective Date | | Upon system implementation | |
| Priority and Rank Assigned | | Priority – 2022; Rank – 3620 | |
| Supporting Protocol or Guide Sections/Related Documents | | None | |
| System Change Description | | This System Change Request (SCR) creates a new daily integration report and dashboard for Energy Storage Resources (ESRs), similar to the current integration reports and dashboards for wind and solar. | |
| 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: Improves market awareness regarding energy storage  *(please select all that apply)* | |
| Business Case | | This SCR improves market awareness regarding energy storage production and consumption by mirroring the functionality currently provided for wind and solar generation. | |
| PRS Decision | | On 6/9/22, PRS voted unanimously to recommend approval of SCR822 as submitted. All Market Segments participated in the vote.  On 7/13/22, PRS voted unanimously to endorse and forward to TAC the 6/9/22 PRS Report and 7/13/22 Impact Analysis for SCR822 with a recommended priority of 2022 and rank of 3620. All Market Segments participated in the vote. | |
| Summary of PRS Discussion | | On 6/9/22, the sponsor provided an overview of SCR822.  On 7/13/22, ERCOT Staff reviewed the Impact Analysis for SCR822. | |
| TAC Decision | | On 7/27/22, TAC voted unanimously to recommend approval of SCR822 as recommended by PRS in the 7/13/22 PRS Report. All Market Segments participated in the vote. | |
| Summary of TAC Discussion | | On 7/27/22, TAC reviewed the ERCOT Opinion and Market Impact Statement for SCR822. Some participants noted the potential benefit of reviewing existing publicly-available dashboards and reports to ensure they are providing clear messaging to non-expert users. | |
| ERCOT Opinion | | ERCOT supports approval of SCR822. | |
| ERCOT Market Impact Statement | | ERCOT Staff has reviewed SCR822 and believes the market impact for SCR822 improves the market’s awareness regarding system wide energy storage production and consumption on or near Real Time basis. | |
| ERCOT Board Decision | | On 8/16/22, the ERCOT Board voted unanimously to recommend approval of SCR822 as recommended by TAC in the 7/27/22 TAC Report. | |

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| Sponsor | |
| Name | Bill Barnes |
| E-mail Address | [bill.barnes@nrg.com](mailto:bill.barnes@nrg.com) |
| Company | Reliant Energy Retail Services LLC |
| Phone Number | 512-691-6137 |
| Cell Number | 315-885-5925 |
| Market Segment | Independent Retail Electric Provider (IREP) |

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| **Comments Received** | |
| Comment Author | **Comment Summary** |
| None |  |

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| **Market Rules Notes** |

None

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| Proposed System Change |

**Issue:**

The installed capacity of ESRs and their contributions to energy production have been increasing significantly within the ERCOT Region. According to the April 2022 Generation Interconnection Status report, there are nearly 1,000 MW of ESRs in commercial operation and that amount is expected to exceed 5,000 MW by the end of the 2023. Daily information regarding system-wide energy storage production and capacity would be beneficial to stakeholders to assess changing market dynamics in the ERCOT Region given the increase in ESRs.

**Resolution:**

This SCR creates a new energy storage integration report and a graphical dashboard for actual energy storage power production/consumption, similar to the daily integration reports and dashboards for wind and solar. Consistent with the existing reports for wind and solar, the daily energy storage integration reports will include the numerical value of updated aggregate installed capacity for ESRs, percentage contribution of ESR production to total system Load throughout the day, and statistics on the maximum percentage of ESR production during peak load for the ERCOT System. The dashboard will also display daily energy storage power production/consumption at a five minute resolution, aggregated at the system-wide level.