## Ancillary Services, NERC Standard and Aggregated AS Capability

1. Reliability Unit Commitment (RUC) is a backstop mechanism to commit generator if and when market commitment is insufficient.
2. RUC will continue to ensure adequate capacity for Real-Time to meet energy and Ancillary Service (AS) needs. For AS, the RUC engine will check whether or not sufficient AS capability is available for RTC to award in Real-Time.
3. The current deferral process under which ERCOT Operators review recommendations from the RUC optimization and make commitment instruction decisions will remain in place.

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| **ERCOT Ancillary Service** | **NERC Standard** | **Quantities (2019** | **Notes** |
| Responsive Reserve (RRS) | NERC BAL-003 | 2,300 MW - 3,016 MW | Plan for sufficient frequency responsive reserve such that instantaneous loss of 2,750 MW will not trigger first stage of UFLS set at 59.30 Hz. |
| Regulation Up Service (Reg-Up) | NERC BAL-001 | 142 MW - 669 MW | CPS1> 100% |
| Regulation Down Service (Reg-Down) | NERC BAL-001 | 148 MW - 604 MW | CPS1> 100% |
| Non-Spinning Reserve (Non-Spin) [[1]](#footnote-1) | NERC BAL-002 | 22 MW- 1,442 MW | Non-Spin reserve can be used to restore contingency reserve service |
| ERCOT Contingency Reserve Service (ECRS)[[2]](#footnote-2) | NERC BAL-002 | 509 MW - 1,353 MW | Restore RRS and recover Frequency within 15 minutes |
| NERC BAL-002 Standard also requires ERCOT to maintain minimum 1,375 MW of Contingency Reserve including ability to restore Contingency Reserve within 90 minutes if deployed. | | | |

1. Non-Spin quantities reflects implementation of ECRS. [↑](#footnote-ref-1)
2. ECRS is a new AS product and is expected to be implemented no earlier than January 1, 2022. [↑](#footnote-ref-2)