**Section 2:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

This Nodal Protocol Revision Request (NPRR) modifies Responsive Reserve (RRS) to be primarily a frequency response service and creates a new Ancillary Service: ERCOT Contingency Reserve Service (ECRS).

Revised Subsection: 2.1 [unboxed due to system implementation]

NPRR1096 – Require Sustained Two-Hour Capability for ECRS and Four-Hour Capability for Non-Spin

This Nodal Protocol Revision Request (NPRR) requires Resources that provide ERCOT Contingency Reserve Service (ECRS) to limit their responsibility to a quantity of capacity that is capable of being sustained for two consecutive hours and/or Non-Spinning Reserve (Non-Spin) to limit their responsibility to a quantity of capacity that is capable of being sustained for four consecutive hours. Additionally, this NPRR also requires ERCOT to conduct unannounced tests on Energy Storage Resources (ESRs) that are providing ECRS and/or Non-Spin in Real-Time.

Revised Subsection: 2.1 [unboxed due to system implementation]

**Section 3:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

*See Section 2 above.*

Revised Subsections: 3.2.5, 3.2.6.2.1, 3.6.1, 3.8.3, 3.16, 3.17.2, 3.17.4, and 3.18 [unboxed due to system implementation]

NPRR1015 – Clarification of DAM implementation of NPRR863 Phase 2

This Nodal Protocol Revision Request (NPRR) clarifies the submission and reporting changes necessary in the market system to complete NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve, implementation of changes to Responsive Reserve (RRS) and addition of ERCOT Contingency Reserve Service (ECRS). Primarily this NPRR addresses the RRS “sub-types” of Primary Frequency Response, Fast Frequency Response (FFR), and Load Resources controlled by high-set under-frequency relays; and the ECRS “sub-types” of Security-Constrained Economic Dispatch (SCED)-dispatchable and non-SCED-dispatchable with regard to Ancillary Service Offers, self-arrangement, and trades, as well as related reports.

Revised Subsections: 3.2.5 [unboxed due to system implementation of NPRR863]

NPRR1085 – Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs)

This Nodal Protocol Revision Request (NPRR) improves the validity of the Physical Responsive Capability (PRC) calculation and dispatch by requiring quicker updates by Qualified Scheduling Entities (QSEs) to the telemetered Resource Status, High Sustained Limit (HSL), and other relevant information.

Revised Subsections: 3.1.4.4, 3.1.4.7, and 3.9.1 [unboxed due to system implementation]

NPRR1096 – Require Sustained Two-Hour Capability for ECRS and Four-Hour Capability for Non-Spin

*See Section 2 above.*

Revised Subsection: 3.17.4 [unboxed due to system implementation]

**Section 4:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

*See Section 2 above.*

Revised Subsections: 4.2.1.1, 4.4.7.1, 4.4.7.1.1, 4.4.7.2, , 4.4.7.3, 4.5.2, 4.6.2.3.1, 4.6.4.1.5, and 4.6.4.2.5 [unboxed due to system implementation]

NPRR1015 – Clarification of DAM implementation of NPRR863 Phase 2

*See Section 3 above.*

Revised Subsections: 4.4.7.1, 4.4.7.3, and 4.4.7.3.1 [unboxed due to system implementation of NPRR863]

NPRR1148 – Language Cleanup Related to ERCOT Contingency Reserve Service (ECRS)

This Nodal Protocol Revision Request (NPRR) addresses Protocol gaps found during the creation of the ERCOT Contingency Reserve Service (ECRS) system change requirements.

Revised Subsection: 4.4.7.2.1 [unboxed due to system implementation of NPRR863]

**Section 6:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

*See Section 2 above.*

Revised Subsections: 6.1, 6.4.9.2, 6.5.1.2, 6.5.5.2, 6.5.7.2, 6.5.7.5, 6.5.7.6, 6.5.7.6.1, 6.5.7.6.2, 6.5.7.6.2.2, 6.5.7.6.2.3, 6.5.7.6.2.4 (new), 6.5.9.3.3, 6.5.9.4, 6.5.9.4.1, 6.5.9.4.2, 6.5.9.4.3, 6.6.5.1, 6.6.5.1.1, 6.7.1, 6.7.2, 6.7.2.1, 6.7.3, 6.7.4, 6.7.5, and 6.7.7 [unboxed due to system implementation]

NPRR1085 – Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans (COPs)

*See Section 3 above.*

Revised Subsections: 6.4.8, 6.5.5.1, 6.5.7.5, and 6.7.5 [unboxed due to system implementation]

NPRR1148 – Language Cleanup Related to ERCOT Contingency Reserve Service (ECRS)

*See Section 4 above.*

Revised Subsections: 6.5.7.3.1 and 6.5.7.6.2.4 [unboxed due to system implementation of NPRR863]

**Section 8:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

*See Section 2 above.*

Revised Subsections: 8.1, 8.1.1.1, 8.1.1.2, 8.1.1.2.1.2, 8.1.1.2.1.7 (new), 8.1.1.3.4 (new), 8.1.1.4.1, 8.1.1.4.2, , 8.1.1.4.4 (new), 8.5.1.1 [unboxed due to system implementation]

NPRR1096 – Require Sustained Two-Hour Capability for ECRS and Four-Hour Capability for Non-Spin

*See Section 2 above.*

Revised Subsection: 8.1.1.2 and 8.1.1.3.4 [unboxed due to system implementation]

**Section 9:**

NPRR863 – Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

*See Section 2 above.*

Revised Subsections: 9.2.3 and 9.5.3 [unboxed due to system implementation]

NPRR903 – Day-Ahead Market Timing Deviations

This Nodal Protocol Revision Request (NPRR) clarifies the deviations that may occur due to Day-Ahead Market (DAM) delays, and adds language requiring ERCOT to issue a Market Notice for any act or omission that it takes to ensure that the DAM process completes by 1900.

Revised Subsection: 9.14.10 [unboxed due to system implementation of NPRR863]

**Section 16:**

NPRR992 – Updated Day-Ahead Liability for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve

This Nodal Protocol Revision Request (NPRR) ensures the Day-Ahead Liability (DAL) estimate correctly includes ERCOT Contingency Reserve Service (ECRS) charges and payments, which was the intent of NPRR863.

Revised Subsection: 16.11.4.3.1 [unboxed due to system implementation of NPRR863]