**Section 1:**

NPRR993 – Grey Box Resolution re NPRR902 and NPRR928

This Nodal Protocol Revision Request (NPRR) addresses an anticipated redundancy and use of a defined term, both of which were irresolvable during the concurrent approval processes for NPRR902, ERCOT Critical Energy Infrastructure Information, and NPRR928, Cybersecurity Incident Notification.

Revised Subsection: 1.3.4

**Section 2:**

NPRR973 – Add Definitions for Generator Step-Up and Main Power Transformer

This Nodal Protocol Revision Request (NPRR) adds definitions for Generator Step-Up (GSU) and Main Power Transformer (MPT) to the Nodal Protocols and clarifies their uses.

Revised Subsections: 2.1 [effective upon system implementation of PR106] and 2.2

NPRR990 – Relocation of Combined Cycle Train to Resource Attribute

This Nodal Protocol Revision Request (NPRR) deletes the remaining grey-box for NPRR889, RTF-1 Replace Non-Modeled Generator with Settlement Only Generator, and relocates the defined term “Combined Cycle Train” from underneath “Resource” to “Resource Attribute.”

Revised Subsection: 2.1

NPRR1000 – Elimination of Dynamically Scheduled Resources

This Nodal Protocol Revision Request (NPRR) removes the term Dynamically Scheduled Resource (DSR) from the Protocols.

Revised Subsections: 2.1 and 2.2 [effective upon system implementation]

NPRR1003 – Elimination of References to Resource Asset Registration Form

This Nodal Protocol Revision Request (NPRR) replaces all remaining references to the Resource Asset Registration Form (“RARF”) with more general language in anticipation of the elimination of the RARF.

Revised Subsection: 2.1

NPRR1016 – Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)

This Nodal Protocol Revision Request (NPRR) clarifies various important reliability requirements for Distribution Generation Resources (DGRs) that are seeking qualification to provide Ancillary Service(s) and/or participate in Security-Constrained Economic Dispatch (SCED).

Revised Subsections: 2.1 [effective upon system implementation] and 2.2

**Section 3:**

NPRR973 – Add Definitions for Generator Step-Up and Main Power Transformer

*See Section 2 above.*

Revised Subsections: 3.10.7.1.4 and 3.10.7.2 [effective upon system implementation of PR106]

NPRR996 – Alignment of Hub Bus Names Between Protocols and ERCOT Model

This Nodal Protocol Revision Request (NPRR) aligns the Hub Bus names within Protocols with the substation names within the ERCOT model.

Revised Subsections: 3.5.2.1, 3.5.2.3, and 3.5.2.4

NPRR1000 – Elimination of Dynamically Scheduled Resources

*See Section 2 above.*

Revised Subsections: 3.2.5, 3.6.1, 3.9.1, 3.9.2, and 3.14.3.1 [effective upon system implementation]

NPRR1002 – BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions

This Nodal Protocol Revision Request (NPRR), along with its related Revision Requests, establishes Energy Storage Resource (ESR) "single model" registration and charging restrictions in Emergency Conditions.

Revised Subsections: 3.7, 3.7.1.3 (new), and 3.8.6 [effective upon system implementation]

NPRR1003 – Elimination of References to Resource Asset Registration Form

*See Section 2 above.*

Revised Subsections: 3.2.6.2.2 and 3.14.4.1

NPRR1004 – Load Distribution Factor Process Update

This Nodal Protocol Revision Request (NPRR) creates a new process for determining the Load distribution factors used in the Congestion Revenue Rights (CRR) Auctions and Day-Ahead Market (DAM) clearing.

Revised Subsection: 3.12 [effective upon 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 is to address 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 and 3.9.1 [effective upon system implementation of NPRR863]

NPRR1016 – Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)

*See Section 2 above.*

Revised Subsections: 3.1.6.13 (new), 3.8, 3.8.1, 3.8.7 (new), 3.10.7.2, and 3.15 [effective upon system implementation]

**Section 4:**

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: 4.1.2

NPRR1004 – Load Distribution Factor Process Update

*See Section 3 above.*

Revised Subsection: 4.5.1 [effective upon system implementation]

NPRR1015 – Clarification of DAM implementation of NPRR863 Phase 2

*See Section 3 above.*

Revised Subsections: 4.4.7.1, 4.4.7.2, 4.4.7.3, and 4.4.7.3.1 [effective upon system implementation of NPRR863]

NPRR1030 – Modify Allocator for CRR Auction Revenue Distribution

This Nodal Protocol Revision Request (NPRR) changes the CRR Auction Revenue Distribution (CARD) allocation methodology from a peak 15-minute Settlement Interval to Load Ratio Share (LRS) based on Adjusted Metered Load (AML) totals for the entirety of each month, with parallel changes for the CRR Balancing Account (CRRBA) and certain Block Load Transfers (BLTs) for consistency and to simplify implementation.

Revised Subsection: 4.4.4 [partially effective upon system implementation]

**Section 6:**

NPRR1000 – Elimination of Dynamically Scheduled Resources

*See Section 2 above.*

Revised Subsections: 6.3, 6.3.1, 6.3.2, 6.4.2.1, 6.4.2.2 (delete), 6.4.2.3, 6.4.2.4, 6.4.2.5 (delete), 6.4.4, 6.4.5 (delete), 6.5.7.3, 6.5.7.6.2.3, and 6.6.5.3 [effective upon system implementation]

NPRR1002 – BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions

*See Section 3 above.*

Revised Subsections: 6.5.9.3.4 and 6.5.9.4.2 [effective upon system implementation]

NPRR1016 – Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)

*See Section 2 above.*

Revised Subsections: 6.5.1.1, 6.5.7.7, 6.6.1.2, and 6.6.1.4 [effective upon system implementation]

NPRR1030 – Modify Allocator for CRR Auction Revenue Distribution

*See Section 4 above.*

Revised Subsections: 6.6.2.2, 6.6.2.5 (new), 6.6.2.6 (new), 6.6.2.7 (new), 6.6.2.8 (new), and 6.6.3.5 [effective upon system implementation]

**Section 7:**

NPRR1004 – Load Distribution Factor Process Update

*See Section 3 above.*

Revised Subsection: 7.5.1 [effective upon system implementation]

NPRR1030 – Modify Allocator for CRR Auction Revenue Distribution

*See Section 4 above.*

Revised Subsections: 7.5.7, 7.6, and 7.9.3.5 [effective upon system implementation]

**Section 8:**

NPRR983 – Delete Remaining Grey-Boxed Language Associated with NPRR257, Synchronization with Nodal Operating Guide Section 9, Monitoring Programs and Changes to Posting Requirements of Documents Considered CEII

This Nodal Protocol Revision Request (NPRR) deletes all remaining grey-boxed language associated with NPRR257.

Revised Subsections: 8.1, 8.2, and 8.3

NPRR1000 – Elimination of Dynamically Scheduled Resources

*See Section 2 above.*

Revised Subsections: 8.1.1.4.1 and 8.2 [effective upon system implementation]

NPRR1003 – Elimination of References to Resource Asset Registration Form

*See Section 2 above.*

Revised Subsection: 8.1.1.2.1.4

**Section 9:**

**NPRR903 – Day-Ahead Market Timing Deviations**

*See Section 4 above*.

**Revised Subsection: 9.14.10 (new)**

**Section 10:**

NPRR1002 – BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions

*See Section 3 above.*

Revised Subsection: 10.2.3 [effective upon system implementation]

NPRR1020 – Allow Some Integrated Energy Storage Designs to Calculate Internal Loads

This Nodal Protocol Revision Request (NPRR) clarifies that emerging storage technologies can be interconnected and operated as a Resource and avail of Wholesale Storage Load (WSL) rules. Specifically, the NPRR allows Energy Storage Resources (ESRs) with integrated Loads that cannot be metered as designed, to alternatively calculate these Loads using internal sensors. This process requires an annual attestation from the Resource Entity.

Revised Subsections: 10.2.3, 10.2.3.1, 10.2.4 (new), 10.2.4.1 (new), 10.3.2.3, and 10.9.1 [effective upon system implementation and upon implementation of necessary revisions to the SMOG]

**Section 11:**

NPRR1002 – BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions

*See Section 3 above.*

Revised Subsections: 11.1.6 and 11.2.1 [effective upon system implementation]

NPRR1020 – Allow Some Integrated Energy Storage Designs to Calculate Internal Loads

*See Section 10 above.*

Revised Subsection: 11.1.6 [effective upon system implementation and upon implementation of necessary revisions to the SMOG]

**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 [effective upon system implementation of NPRR863]

NPRR993 – Grey Box Resolution re NPRR902 and NPRR928

*See Section 1 above.*

Revised Subsection: 16.18

NPRR1000 – Elimination of Dynamically Scheduled Resources

*See Section 2 above.*

Revised Subsection: 16.2.3.1 (delete) [effective upon system implementation]

NPRR1002 – BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions

*See Section 3 above.*

Revised Subsection: 16.5 [effective upon system implementation]

NPRR1016 – Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs)

*See Section 2 above.*

Revised Subsection: 16.5 [effective upon system implementation]

**Section 23:**

NPRR1003 – Elimination of References to Resource Asset Registration Form

*See Section 2 above.*

Revised Form: N

**Administrative Changes:**

Non-substantive administrative changes were made such as spelling corrections, formatting, and correcting Section numbering and references.

**Revised Subsections: 4.4.6.1, 6.4.2, 7.5.6.4, and 9.14.5**