**Section 2:**

NPRR1149 – Implementation of Systematic Ancillary Service Failed Quantity Charges

This Nodal Protocol Revision Request (NPRR) charges a Qualified Scheduling Entity (QSE) an Ancillary Service failed quantity if the Ancillary Service Supply Responsibility held by the QSE is not met by Resources in their portfolio in Real-Time, based on a comparison of their Real-Time telemetry. The charges will be done systematically without ERCOT control room operators having to take additional action.

Revised Subsection: 2.1 [unboxed due to system implementation]

**Section 3:**

NPRR962 – Publish Approved DC Tie Schedules

This Nodal Protocol Revision Request (NPRR) requires ERCOT to publish every hour the approved Direct Current Tie (DC Tie) Schedule for the next seven days.

Revised Subsection: 3.2.3 [unboxed due to system implementation]

**Section 4:**

NPRR1121 – Add a Posting Requirement to the Exceptional Fuel Cost Submission Process

This Nodal Protocol Revision Request (NPRR) replaces the Market Notice currently used in the Exceptional Fuel Cost submission process to notify Market Participants when such costs have been submitted for an Operating Day with an automated report.

Revised Subsection: 4.4.9.4.1 [unboxed due to system implementation]

NPRR1149 – Implementation of Systematic Ancillary Service Failed Quantity Charges

*See Section 2 above.*

Revised Subsection: 4.4.7.4 [unboxed due to system implementation]

**Section 5:**

NPRR1139 – Adjustments to Capacity Shortfall Ratio Share for IRRs

This Nodal Protocol Revision Request (NPRR) replaces the usage of the Wind-powered Generation Resource Production Potential (WGRPP) and PhotoVoltaic Generation Resource Production Potential (PVGRPP) with the High Sustained Limit (HSL) of an Intermittent Renewable Resource (IRR) as reflected in the Current Operating Plan (COP), similar to treatment afforded to Resources that are not IRRs. This NPRR also makes a minor adjustment in Section 5.7.4.1, RUC Capacity-Short Charge, changing the name of a variable in a formula from HSL to RUCHSL in order to match the variable name in the Protocols to the data value available in the Settlement extracts.

Revised Subsections: 5.7.4.1 and 5.7.4.1.1 [unboxed due to system implementation]

**Section 6:**

NPRR1149 – Implementation of Systematic Ancillary Service Failed Quantity Charges

*See Section 2 above.*

Revised Subsections: 6.3.2, 6.4.1, 6.4.9.1.3, 6.7.3, and 6.7.5 [unboxed due to system implementation]

NPRR1196 – Correction of NCLR Ancillary Service Failed Quantity Calculations under NPRR1149

This Nodal Protocol Revision Request (NPRR) makes corrections and updates to equations used to determine Ancillary Service Failed Quantity calculations for Load Resources other than Controllable Load Resources (“NCLRs”) which were developed under NPRR1149, Implementation of Systematic Ancillary Service Failed Quantity Charges. Specific Protocol changes include: updates to the calculation of Ancillary Service Failed Quantities to account for the allowances and restrictions on Ancillary Services that NCLRs can and cannot carry simultaneously with the implementation of ERCOT Contingency Reserve Service (ECRS); updates to specify the snapshot components to be used for the “Telemetered Ancillary Service for the NCLRs As Calculated” variable; and inclusion of an additional non-zero check to be added for the “Telemetered ECRS Responsibility for the Resource As Calculated” variable.

Revised Subsection: 6.7.3 [unboxed due to system implementation of NPRR1149]