



**Date:** August 11, 2009  
**To:** ERCOT Board of Directors  
**From:** Mark Bruce, Technical Advisory Committee (TAC) Chair  
**Subject:** Nodal Protocol Revision Requests (NPRRs)

**Issue for the ERCOT Board of Directors**

**ERCOT Board of Directors (ERCOT Board) Meeting Date:** August 18, 2009

**Agenda Item No.:** 12b

**Issue:**

Consideration of the following NPRRs:

- NPRR171 – Synchronization of Protocol Revision Request (PRR) 805, Adding Provider of Last Resort (POLR) Customer Class and Advanced Metering System (AMS) Meter Flag to the Database Query Function on the Market Information System (MIS)
- NPRR175 – Hub Bus List Clarification
- NPRR176 – Resource Status Input to Reliability Unit Commitment (RUC) and Ancillary Service Awards from RUC
- NPRR177 – Synchronization of Nodal Protocols with PRR808, Clean-up and Alignment of Renewable Energy Credits (RECs) Trading Program Language with Public Utility Commission of Texas (PUCT) Rules
- NPRR178 – Regulation Reduction (GS-FR3) and Reg-Up/Reg-Down Allocation to Qualified Scheduling Entities (QSEs)
- NPRR180 – Reconciliation of Congestion Revenue Rights (CRR) Related Protocol Language
- NPRR182 – Non-Protocol Postings on the Market Information System
- NPRR187 – Definition for Transmission and/or Distribution Service Provider

**Background/History:**

Unless otherwise noted: (i) all Market Segments were present for each vote and (ii) ERCOT Credit Staff and the Credit Work Group (Credit WG) have reviewed the revision request and do not believe it requires changes to credit monitoring activity or the calculation of liability.

- **NPRR171 – Synchronization of PRR805, Adding POLR Customer Class and AMS Meter Flag to the Database Query Function on the MIS [TX SET].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the Texas Nodal Market Implementation Date (TNMID).

**ERCOT Impact Analysis:** No budgetary impact; no additional full time equivalents needed (resources required for PRR805 development are also working on the nodal project – schedule management will be utilized so as not to impact nodal timelines); no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to grid operations and practices.

**Revision Description:** This NPRR will add POLR Customer class and the AMS meter flag to the database query function on the MIS.

**Procedural History:** NPRR171 was posted on April 3, 2009. On April 23, 2009, the Protocol Revision Subcommittee (PRS) unanimously voted to recommend approval of NPRR171 as submitted. On May 21, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis to TAC. On June 4, 2009, TAC unanimously voted to table NPRR171 for one (1) month. On July 9, 2009, TAC unanimously voted to recommend approval of NPRR171 as recommended by PRS. On July 21, 2009, the ERCOT Board remanded NPRR171 to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR171 as recommended by PRS and as revised by TAC.

- **NPRR175 – Hub Bus List Clarification [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR updates the Hub lists to reflect the current network model by removing Hub Bus SHRTP which was a construct of planning and does not exist; and also by renaming Hub Bus FPPYD, which was actually two (2) substations that were amalgamated for planning reasons, to FPPYD1 and FPPYD2. SDES no longer has a 345 kV infrastructure. ALNSW1/2, CNTRY1/3, FRNYPP1/2, JEWETN/S MDANP1/2, RCHBR1/2, TRSES1/2, VENS WN/S denote planning constructs which should be generalized to the substation's 345kV system.

**Procedural History:** NPRR175 was posted on April 30, 2009. On May 21, 2009, PRS unanimously voted to recommend approval of NPRR175 as submitted. On June 18, 2009, PRS voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR175 to TAC. There was one (1) opposing vote from the Independent Generator Market Segment. On July 9, 2009, TAC unanimously voted to table NPRR175. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR175 as recommended by PRS and as amended by ERCOT comments.

- **NPRR176 – Resource Status Input to RUC and Ancillary Service Awards from RUC [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR provides clarity in the Nodal Protocol language. Resources committed by Day-Ahead Market (DAM) are not considered as On-Line by RUC unless a QSE has changed the Resource Status to On-Line in the Current Operating Plan (COP) for that hour.

**Procedural History:** NPRR176 was posted on May 6, 2009. On May 21, 2009, PRS unanimously voted to approve NPRR176 as amended by Luminant comments. On June 18, 2009, PRS voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR176 to TAC. There was one (1) opposing vote from the Independent Generator Market Segment. On July 9, 2009, TAC unanimously voted to remand NPRR176 to PRS. On 7/23/09, PRS unanimously voted to recommend approval of NPRR176 as amended by ERCOT comments and as revised by PRS. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR176 as recommended by PRS.

- **NPRR177 – Synchronization of Nodal Protocols with PRR808, Clean-up and Alignment of RECs Trading Program Language with PUCT Rules [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; minor change to a desk procedure that can be accommodated in the current ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR synchronizes the Nodal Protocols with PRR808.

**Procedural History:** NPRR177 was posted on May 15, 2009. On June 18, 2009, PRS unanimously voted to recommend approval of NPRR177 as amended by J. Aron comments. On July 23, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR177 to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR177 as recommended by PRS.

- **NPRR178 – Regulation Reduction (GS-FR3) and Reg-Up/Reg-Down Allocation to QSEs [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR brings the Nodal Protocols in line with the Nodal Program implementation by changing the regulation reduction calculation to account for movements in generation due to units getting updated Base Points from Load Frequency Control (LFC) and by taking out the constraint for each four-second interval in regards to the Regulation Up (Reg-Up)/Regulation Down (Reg-Down) allocation to QSEs, since the full amount of Reg-Up/Reg-Down responsibility is realizable in five minutes and compliance is also on a five-minute basis.

**Procedural History:** NPRR178 was posted on May 26, 2009. On June 18, 2009, PRS unanimously voted to recommend approval of NPRR178 as submitted. On July 23, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR178 to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR178 as recommended by PRS.

- **NPRR180 – Reconciliation of CRR Related Protocol Language [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR makes the following Nodal Protocol changes: (1) removes the Section 3.10.3 requirement to hold CRR models static for two (2) months prior to the auction, thus enabling CRR group to perform updates to CRR model until publication of said model; (2) revises Section 7.1(2)(d) to state that the facilitation of bilateral trades will occur on the MIS Certified Area, not the Secure Area; (3) removes the wording in Section 7.1(2)(d) to clarify that bilateral trades of Point-to-Point (PTP) Options with Refund and PTP Obligations with Refund will not occur in DAM; and (4) amends Section 7.3(1)(c) to clarify that all available Flowgate Right (FGR) capacity (that is consistent with the simultaneous feasibility test described in Section 7.5.5.4, Simultaneous Feasibility Study) is available in CRR Auctions, not just that offered by CRR Account Holders.

**Procedural History:** NPRR180 was posted on June 10, 2009. On June 18, 2009, PRS unanimously voted to recommend approval of NPRR180 as submitted. On July 23, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR180 to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR180 as recommended by PRS.

- **NPRR182 – Non-Protocol Postings on the Market Information System [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impact to ERCOT grid operations and practices.

**Revision Description:** This NPRR allows ERCOT to put information, not specifically required in the Nodal Protocols but required by market guides, on the MIS under one of the three classifications, i.e., Public, Secure or Certified. This NPRR also adds the State Estimator Standards to the list of Other Binding Documents named in the Protocols.

**Procedural History:** NPRR182 was posted on June 11, 2009. On June 18, 2009, PRS unanimously voted to recommend approval of NPRR182 as revised by PRS. On July 23, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and Impact Analysis for NPRR182 to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR182 as recommended by PRS.

- **NPRR187 – Definition for Transmission and/or Distribution Service Provider [ERCOT].**

**Proposed Effective Date:** Upon Texas Nodal Market Implementation.

**CEO Determination:** Necessary prior to the TNMID.

**ERCOT Impact Analysis:** No cost impact; no ERCOT staffing impacts; no impacts to ERCOT computer systems; existing business functions can accommodate this NPRR; no impact to ERCOT grid operations and practices.



**Revision Description:** This NPRR modifies the definition for Transmission and/or Distribution Service Provider (TDSP) to include Entities that were selected to own and operate Transmission Facilities listed in the PUCT Order in Docket 35665, Commission Staff's Petition for the Selection of Entities Responsible for Transmission Improvements Necessary to Deliver Renewable Energy from Competitive Renewable Energy Zones.

**Procedural History:** NPRR187 was posted on July 10, 2009. On July 23, 2009, PRS unanimously voted to recommend approval of NPRR187 as amended by CenterPoint Energy comments and to forward to TAC. On August 6, 2009, TAC unanimously voted to recommend approval of NPRR187 as recommended by PRS.

The TAC Recommendation Reports, Impact Analyses, and CEO Revision Request Reviews for these NPRRs are included in the ERCOT Board meeting materials. In addition, these NPRRs and supporting materials are posted on the ERCOT website at the following link: <http://nodal.ercot.com/protocols/npr/index.html>.

**Key Factors Influencing Issue:**

The PRS met, discussed the issues, and submitted recommendation reports to TAC regarding the NPRRs described herein. TAC considered the issues and voted to take action on the NPRRs as described above.

**Alternatives:**

1. Approve the TAC recommendation on NPRRs 171, 175, 176, 177, 178, 180, 182, and/or 187 as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation on NPRRs 171, 175, 176, 177, 178, 180, 182, and/or 187;
3. Defer decision on the TAC recommendation on NPRRs 171, 175, 176, 177, 178, 180, 182, and/or 187; or
4. Remand NPRRs 171, 175, 176, 177, 178, 180, 182, and/or 187 to TAC with instructions.

**Conclusion/Recommendation:**

As more specifically described above, TAC recommends that the ERCOT Board approve NPRRs 171, 175, 176, 177, 178, 180, 182, and 187 as described herein.



**ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC.**  
**BOARD OF DIRECTORS RESOLUTION**

WHEREAS, the Electric Reliability Council of Texas, Inc. (ERCOT) Board of Directors (Board) deems it desirable and in ERCOT's best interest to approve the following Nodal Protocol Revision Requests (NPRRs):

- NPRR171 – Synchronization of Protocol Revision Request (PRR) 805, Adding Provider of Last Resort (POLR) Customer Class and Advanced Metering System (AMS) Meter Flag to the Database Query Function on the Market Information System (MIS)
- NPRR175 – Hub Bus List Clarification
- NPRR176 – Resource Status Input to Reliability Unit Commitment (RUC) and Ancillary Service Awards from RUC
- NPRR177 – Synchronization of Nodal Protocols with PRR808, Clean-up and Alignment of Renewable Energy Credits (RECs) Trading Program Language with Public Utility Commission of Texas (PUCT) Rules
- NPRR178 – Regulation Reduction (GS-FR3) and Reg-Up/Reg-Down Allocation to Qualified Scheduling Entities (QSEs)
- NPRR180 – Reconciliation of Congestion Revenue Rights (CRR) Related Protocol Language
- NPRR182 – Non-Protocol Postings on the Market Information System
- NPRR187 – Definition for Transmission and/or Distribution Service Provider

THEREFORE be it RESOLVED, that the ERCOT Board hereby approves NPRRs 171, 174, 175, 176, 177, 178, 180, 182, and 187.

**CORPORATE SECRETARY'S CERTIFICATE**

I, Michael G. Grable, Corporate Secretary of ERCOT, do hereby certify that, at its August 18, 2009 meeting, the ERCOT Board of Directors passed a motion approving the above Resolution by \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Michael G. Grable  
Corporate Secretary