



**Date:** November 10, 2009  
**To:** ERCOT Board of Directors  
**From:** Mark Bruce, Technical Advisory Committee (TAC) Chair  
**Subject:** Protocol Revision Requests (PRRs)

**Issue for the ERCOT Board of Directors**

**ERCOT Board of Directors (ERCOT Board) Meeting Date:** November 17, 2009

**Agenda Item No.:** 12a

**Issue:**

Consideration of the following PRRs:

- PRR830 – Reactive Power Capability Requirement – URGENT
- PRR836 – Revised Minimum Ramp Rate for Balancing Energy Service Down to Comport with PRR803 – URGENT

**Background/History:**

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

- **PRR830 – Reactive Power Capability Requirement [ERCOT] – URGENT.**

**Proposed Effective Date:** December 1, 2009.

**Chief Executive Officer (CEO) Determination:** No opinion on whether or not PRR830 is necessary prior to the Texas Nodal Market Implementation Date.

**ERCOT Impact Analysis:** No budgetary impact; no additional full-time equivalents needed; minor changes to ERCOT databases to incorporate additional Substation Control and Data Acquisition (SCADA) points, which will be managed under the operational and management (O&M) budgets of affected departments; existing business processes can accommodate this PRR; no impact to grid operations or practices.

**Revision Description:** This PRR clarifies the Reactive Power capability requirement for all Generation Resources, including existing Wind-powered Generation Resources (WGRs) who are not able to meet the 0.95 lead/lag requirement with the Generation Resource's Unit Reactive Limit (URL).

**Procedural History:** PRR830 was posted on September 8, 2009. On September 10, 2009 the Protocol Revision Subcommittee (PRS) voted to grant Urgent status to PRR830 via a PRS email vote. On September 17, 2009 PRS unanimously voted to table PRR830 for one (1) month. On October 22, 2009 PRS voted to recommend approval of PRR830 as endorsed in the October 19, 2009 Reliability and Operations Subcommittee (ROS) comments via roll call vote. On November 5, 2009 TAC voted to recommend approval of PRR830 as recommended by PRS in the October 22, 2009 PRS Recommendation Report and as revised by the October 29, 2009 ERCOT comments via roll call vote.



- **PRR836 – Revised Minimum Ramp Rate for Balancing Energy Service Down to Comport with PRR803 [Luminant] – URGENT.**

**Proposed Effective Date:** December 1, 2009.

**CEO Determination:** No opinion on whether or not PRR836 is necessary prior to the Texas Nodal Market Implementation Date.

**ERCOT Impact Analysis:** No budgetary impact; no additional full-time equivalents needed; no system changes; no impact to business processes or functionality; no impact to grid operations or practices.

**Revision Description:** This PRR changes the divisor for the minimum ramp rate required for a Balancing Energy Service Down bid from forty (40) to fifty six (56) to reflect the change resulting from the implementation of PRR803, Revised Implementation Approach for PRR601, as it relates to the number of minutes of Balancing Energy Service ramping over a one-hour time period.

**Procedural History:** PRR836 was posted on October 14, 2009. On October 16, 2009 PRS voted to grant Urgent status to PRR836 via a PRS email vote. On October 22, 2009 PRS unanimously voted to recommend approval of PRR836 as submitted. On November 05, 2009 TAC unanimously voted to recommend approval of PRR836 as recommended by PRS in the October 22, 2009 PRS Recommendation Report.

The TAC Recommendation Reports, Impact Analyses, and CEO Determinations, if applicable, for these PRRs are included in the ERCOT Board meeting materials. In addition, these PRRs and supporting materials are posted on the ERCOT website at the following link: <http://www.ercot.com/mktrules/protocols/prr.html>.

**Key Factors Influencing Issue:**

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

**Alternatives:**

1. Approve the TAC recommendation on PRRs 830 and/or 836 as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation on PRRs 830 and/or 836;
3. Defer decision on the merits of the TAC recommendation on PRRs 830 and/or 836; or
4. Remand PRRs 830 and/or 836 to TAC with instructions.

**Conclusion/Recommendation:**

As more specifically described above, TAC recommends that the ERCOT Board approve PRRs 830 and/or 836.



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

WHEREAS, after due consideration of the alternatives, the Board of Directors (Board) of Electric Reliability Council of Texas, Inc. (ERCOT) deems it desirable and in the best interest of ERCOT to approve the following PRRs:

- PRR830 – Reactive Power Capability Requirement; and,
- PRR836 – Revised Minimum Ramp Rate for Balancing Energy Service Down to Comport with PRR803.

THEREFORE BE IT RESOLVED, that ERCOT is hereby authorized to approve PRRs 830 and 836.

**CORPORATE SECRETARY'S CERTIFICATE**

I, Michael G. Grable, Corporate Secretary of EROCT, do hereby certify that, at its November 17, 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