



**Date:** April 14, 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:** April 22, 2009

**Agenda Item No.:** 08a

**Issue:**

Consideration of the following PRRs:

- PRR768, Transmission and/or Distribution Service Provider (TDSP) Energy Storage Reliability – URGENT
- PRR789, Removal of Grey Box Language Related to Lagged Dynamics Load Profiling Due to Unfunded Projects
- PRR790, Load Profile ID Annual Validation Change Request
- PRR803, Revised Implementation Approach for PRR601 – URGENT
- PRR804, Revisions to Section 21 Appeal Process – 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 (Credit WG) have reviewed the revision requests and do not believe it requires changes to credit monitoring activity or the calculation of liability.

- ***PRR768, TDSP Energy Storage for Reliability [American Electric Power (AEP)] – URGENT. Proposed effective date: May 1, 2009. No budgetary impact; no additional full-time equivalents needed; no system changes required; existing business processes can accommodate this PRR; no impact to grid operations.*** This PRR inserts new paragraph (6)(c) in Section 10.3.3.1, Data Responsibilities, which clarifies that energy flows, from Transmission Service Provider (TSP) owned battery storage technology, will be treated similarly as substation equipment and therefore the measurement of such flows are not required for settlement. This new paragraph will be limited to ERCOT Board endorsed TSP reliability projects. PRR768 was posted on July 21, 2008. On August 21, 2008, Protocol Revision Subcommittee (PRS) voted to table PRR768 until the Public Utility Commission of Texas (Commission) issued a decision regarding the AEP filing with one (1) opposing vote from the Investor Owned Utility (IOU) Market Segment and two (2) abstentions from the IOU and Municipal Market Segments. On March 19, 2009, PRS voted to recommend approval of PRR768 as amended by AEP comments with one (1) abstention from the Municipal Market Segment, and PRS unanimously voted to grant PRR768 Urgent status. On April 9, 2009, TAC voted to recommend approval of PRR768 as recommended by PRS with two (2) opposing votes from the Cooperative Market Segment and one (1) abstention from the Independent Generator Market Segment. *Credit review is pending.*



- **PRR789, Removal of Grey Box Language Related to Lagged Dynamics Load Profiling Due to Unfunded Projects [Profiling Working Group (PWG)]. Proposed effective date: May 1, 2009.** No budgetary impact; no additional full-time equivalents needed; no system changes required; existing business processes can accommodate this PRR; no impact to grid operations. This PRR removes grey box language related to the use of lagged dynamic samples for new profiles. On December 9, 2008, PRR789 was posted. On January 22, 2009, PRS unanimously voted to recommend approval of PRR789 as submitted. On February 19, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and the Impact Analysis to TAC. On March 5, 2009, TAC unanimously voted to recommend approval of PRR789 as recommended by PRS.
- **PRR790, Load Profile ID Annual Validation Change Request [PWG]. Proposed effective date: May 1, 2009.** No budgetary impact; no additional full-time equivalents needed; no system changes required; existing business processes can accommodate this PRR; no impact to grid operations. This PRR allows for changes in the Annual Validation process timeline due to extreme events. On December 9, 2008, PRR790 was posted. On January 22, 2009, PRS unanimously voted to recommend approval of PRR790 as submitted. On February 19, 2009, PRS unanimously voted to endorse and forward the PRS Recommendation Report and the Impact Analysis to TAC. On March 5, 2009, TAC unanimously voted to recommend approval of PRR790 as recommended by PRS.
- **PRR803, Revised Implementation Approach for PRR601 [ERCOT] – URGENT. Proposed effective date: Upon system implementation.** \$100K - \$250K budgetary impact; three to six month implementation timeline upon project initiation; no additional full-time equivalents needed; changes to Energy Management and Market Systems (EMMS), Enterprise Data Warehouse (EDW), and Market Database systems and minor code changes to Lodestar required; would necessitate that ERCOT create a coordinated testing plan to ensure successful deployment across the market; no impact to grid operations. This PRR changes the ramping period for Balancing Energy Service deployment for Base Power Schedule Calculation and Balancing Energy Power Schedule from ten minutes to fourteen minutes. PRR803 and its corresponding Impact Analysis were posted on February 20, 2009. On February 25, 2009, the motion to grant Urgent status passed via PRS email vote. On March 19, 2009, PRS unanimously voted to recommend approval of PRR803 as submitted with a priority of 2-High and a rank of 39.1. On April 9, 2009, TAC unanimously voted to recommend approval of PRR803 as recommended by PRS with an implementation date of not later than six months after ERCOT Board approval. ERCOT may implement earlier than six months after ERCOT Board approval if all affected Market Participants have successfully tested the new ramping functionality. Credit review is pending.
- **PRR804, Revisions to Section 21 Appeal Process [ERCOT] – URGENT. Proposed effective date: May 1, 2009.** No budgetary impact; no additional full-time equivalents needed; no system changes required; existing business processes can accommodate this PRR; no impact to grid operations. This PRR revises Section 21, Process for Protocol Revision, to provide that if a motion to approve a revision request fails, the revision request shall be



deemed rejected by the body considering it and subject to appeal, unless at the same meeting that body votes to refer or to reconsider the revision request. PRR804 and its corresponding Impact Analysis were posted on February 20, 2009. On February 25, 2009, the motion to grant Urgent status passed via PRS email vote. On March 19, 2009, PRS unanimously voted to recommend approval of PRR804 as amended by the March 18, 2009 Reliant and Austin Energy comments. On April 9, 2009, TAC unanimously voted to recommend approval of PRR804 as amended by ERCOT comments. *Credit review is pending.*

The TAC Recommendation Reports and Impact Analyses 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:**

The PRS met, discussed the issues and submitted recommendation reports to TAC regarding PRR768, PRR789, PRR790, PRR803 and PRR804. TAC considered the issues and voted to take action on PRR768, PRR789, PRR790, PRR803 and PRR804 as described above.

**Alternatives:**

1. Approve the TAC recommendation on PRR768, PRR789, PRR790, PRR803, and/or PRR804 as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation; or
3. Remand PRR768, PRR789, PRR790, PRR803, and/or PRR804 to TAC with instructions.

**Conclusion/Recommendation:**

As more specifically described above, TAC recommends that the ERCOT Board approve PRR768, PRR789, PRR790, PRR803, and PRR804.



**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: PRR768, TDSP Energy Storage for Reliability; PRR789, Removal of Grey Box Language Related to Lagged Dynamics Load Profiling Due to Unfunded Projects; PRR790, Load Profile ID Annual Validation Change Request; PRR803, Revised Implementation Approach for PRR601; and PRR804, Revisions to Section 21 Appeal Process.

THEREFORE be it RESOLVED, that the Board hereby approves PRR768, PRR789, PRR790, PRR803 and PRR804.

**CORPORATE SECRETARY'S CERTIFICATE**

I, Michael G. Grable, Corporate Secretary of ERCOT, do hereby certify that, at its April 22, 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