

Technical Advisory Committee

Presentation to the
ERCOT Board of Directors
November 17, 2009

TAC Report Summary

- 2 PRRs for Board approval
- 1 LPGRR for Board approval
- Report on Approved Guide Revision Request
- Notice of PRR Rejection
- Notice of 2010 CRE Additions
- Quarterly Renewables Report to PUCT
- Preview: Future Board meetings

Protocol Revision Requests

PRR 830 Reactive Power Capability Requirement –
URGENT

PRR 836 Revised Minimum Ramp Rate for Balancing
Energy Service Down to Comport with PRR 803 –
URGENT

PRR830, Reactive Power Capability Requirement

- URGENT

Purpose (ERCOT)	Clarifies the Reactive Power capability requirement for all Generation Resources, including existing WGRs who are not able to meet the 0.95 lead/lag requirement with the Generation Resource's Unit Reactive Limit (URL).	
Benefit	Provides additional clarity to the reactive requirements for wind generation.	
Market Impact	N/A	
System Change	Minor	Minor changes to ERCOT databases to incorporate additional SCADA points, which will be managed under the O&M budgets of affected departments
Assumptions	N/A	
TAC Vote	TAC voted to recommend approval of PRR830 as recommended by PRS via roll call vote. There was one opposing vote (Independent Generator) and six abstentions (Investor Owned Utility, Independent Generator, Residential Consumer, Industrial Consumer, and 2 Independent Power Marketer). All Market Segments were present.	
CEO Determination	No opinion	
Effective Date	December 1, 2009	

*PRR830, Reactive Power Capability Requirement - **URGENT***

<i>Item Reviewed</i>	<i>No Impact</i>	<i>Impact</i>	<i>Description</i>
<i>Budget</i>	★		
<i>Staffing</i>	★		
<i>Computer Systems</i>		★	Minor changes to ERCOT databases to incorporate additional SCADA points; will be managed through O&M budget.
<i>Business Functions</i>	★		
<i>Grid Operations</i>	★		
<i>Credit Monitoring/ Liability</i>	★		

PRR836, Revised Minimum Ramp Rate for Balancing Energy Service Down to Comport with PRR803 - URGENT

Purpose (Luminant)	Changes the divisor for the minimum ramp rate required for a Balancing Energy Service (BES) Down bid from 40 to 56 to reflect the change resulting from the implementation of PRR803, Revised Implementation Approach for PRR 601, as it relates to the number of minutes of BES ramping over a one-hour time period.	
Benefit	Correctly aligns the minimum ramp rate requirement for mandatory BES Down bids submitted by QSEs to the 14-minute ramp rate period incorporated with the implementation of PRR803.	
Market Impact	N/A	
System Change	No	N/A
Assumptions	N/A	
TAC Vote	TAC unanimously recommended approval as recommended by PRS; all Market Segments were present.	
CEO Determination	No opinion	
Effective Date	December 1, 2009	

*PRR836, Revised Minimum Ramp Rate for
Balancing Energy Service Down to Comport
with PRR803 - **URGENT***

<i>Item Reviewed</i>	<i>No Impact</i>	<i>Impact</i>	<i>Description</i>
<i>Budget</i>	★		
<i>Staffing</i>	★		
<i>Computer Systems</i>	★		
<i>Business Functions</i>	★		
<i>Grid Operations</i>	★		
<i>Credit Monitoring/ Liability</i>	★		

Load Profile Guide Revision Request

LPGRR 035 Addition of Time of Use Schedules (TOUS) to Profiles with Interval Data Recorder Meter Data Type Codes for Advanced Meters

- TAC recommended approval with one abstention (Independent Generator)
- REPs still need the TOU data on the 867_03s for their TOUS Customers, even after ERCOT begins settling on the 15-minute interval data for AMS meters. PUCT Final Order requires REPs to continue to support their existing TOUS functionality.
- Impact Analysis
 - Minor cost impact to be managed under the operations and management (O&M) budgets of the affected departments
 - System impact due to update to Lodestar table to include Profile IDs that allow TOUS for AMS meters. No code changes are necessary.
- Effective Date:
 - BOD Approval 11/17/2009
 - Required 150 day notice will end around 4/17/2010

Guide Revision Requests approved by TAC

NOGRR 026 Change the Name of Emergency Electric Curtailment Plan (EECP) to Energy Emergency Alert (EEA) and Synchronization of EEA Steps with Protocols

Notice of PRR Rejection

PRR 754 Resource Settlement Due to Forced
Transmission Outage

PRR 835 Reactive Power Requirement

Notice of CRE Approval

- In accordance with Protocols Section 7.2.3, TAC approved the following additions to the list of Closely Related Elements for calendar year 2010:
 - Singleton - Roans Prairie
 - Temple Switch - Sandow
 - Temple Switch - Sandow
- These CREs were approved in time for inclusion by ERCOT in the 2010 annual TCR Auction.

Quarterly Renewables Report to PUCT

- This report covers 4 months (not 3) in order to align the report with normal quarterly reporting periods; future reports will cover 3 month periods.
- Total new wind generating capacity in ERCOT as of September 30, 2009 = 8,515 MW, an increase of 380 MW from the last report.
 - Panther Creek III (200 MW in Sterling County)
 - Papalote Creek 1 Wind (180 MW in San Patricio County)
- Total new renewable capacity in ERCOT increased from 8,278 MW to 8,660 MW, an increase of 382 MW from the last report.
- Two wind farms signed Generation Interconnect Agreements since the last report:
 - Rattlesnake Wind Farm (200 MW in McCulloch County)
 - Cedro Hill Wind (150 MW in Webb County)

Preview: next Board meeting

- Confirmation of 2010 TAC Representatives
- PRR 821 Update of Section 21, Process for Protocol Revision
- PRR 824 Primary Frequency Response from WGRs
- PRR 827 Find Transaction and Find ESI ID Functions on the MIS
- NPRR 196 Synchronization of Nodal Protocols with PRR 827
Find Transaction and Find ESI ID Functions on the MIS