

**Date:** August 5, 2014  
**To:** ERCOT Board of Directors  
**From:** Randa Stephenson, Technical Advisory Committee (TAC) Chair  
**Subject:** Unopposed Revision Requests

**Issue for the ERCOT Board of Directors**

**ERCOT Board of Directors (ERCOT Board) Meeting Date:** August 12, 2014

**Agenda Item No.:** 2.1

**Issue:**

Consideration of the following Revision Requests recommended for approval by TAC (with no opposing votes recorded):

- NPRR593, Clarification of Generic Transmission Limit Posting Requirements
- NPRR604, Modification to Submission Timeline for Changes to Emergency Operations and Weatherization Plans
- NPRR608, Alignment of Transaction Timing to the PUCT Performance Measures
- NPRR614, Clarification of Telemetered Value of HSL for Combined Cycle Generation Resources providing RRS
- NPRR615, PVGR Forecasting
- NPRR616, Clarification of Notification for Undeliverable Ancillary Services
- NPRR618, Market Notices for Resettlement Statements and True-up Settlement Timeline Changes
- NPRR619, Minimum Quantity for DAM PTP Obligation Bids
- NPRR620, Collateral Requirements for Counter-Parties with No Load or Generation
- NPRR621, Counter-Party Specific Calculations for M1 Variable
- NPRR622, Replace Planning and Operations Information Website References with MIS
- NPRR624, Generation Resource Operational Designation Transparency
- NPRR626, Reliability Deployment Price Adder (formerly “ORDC Price Reversal Mitigation Enhancements”) - URGENT
- NPRR628, Notification of Financial Impact of Settlement Disputes
- NPRR629, Removal of Black Start Plan Posting Requirement
- NPRR630, As-Built Clarifications to Settlements of ORDC
- NPRR631, Corrections to Definition of Credible Single Contingency – URGENT
- PGRR036, Planning Market Data Transparency
- PGRR038, Require ERCOT to Report Circuits Loaded Above 95% of Their Facility Rating

**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.**

- ***NPRR593, Clarification of Generic Transmission Limit Posting Requirements [ERCOT].***  
**Revision Description:** This Nodal Protocol Revision Request (NPRR) creates and defines the term Generic Transmission Constraint (GTC) to distinguish between the transmission constraint itself and the value of the transmission constraint's Generic Transmission Limit (GTL), modifies the definition of GTL to be consistent with this clarification, and clarifies the posting requirements for GTCs and GTLs.  
**Proposed Effective Date:** September 1, 2014  
**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR593.  
**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR593 as recommended by PRS in the 7/17/14 PRS Report.
- ***NPRR604, Modification to Submission Timeline for Changes to Emergency Operations and Weatherization Plans [NRG]***  
**Revision Description:** This NPRR modifies the requirement that Resource Entities submit any changes to their emergency operations or weatherization plans from 30 days to twice per year.  
**Proposed Effective Date:** September 1, 2014  
**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports NPRR604 because it modifies the requirement that Resource Entities submit any changes to their emergency operations or weatherization plans from within 30 days of change to twice per year, therefore aligning Section 3.21, Submission of Emergency Operations Plans, Weatherization Plans, and Declarations of Summer and Winter Weather Preparedness, and Section 22, attachment K, Declaration of Completion of Generation Resource Weatherization Preparations, of the Protocols.  
**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR604 as recommended by PRS in the 7/17/14 PRS Report.
- ***NPRR608, Alignment of Transaction Timing to the PUCT Performance Measures [ERCOT].***  
**Revision Description:** This NPRR aligns ERCOT's processing time with the transactional timing in the Public Utility Commission of Texas' (PUCT's) Performance Measures.  
**Proposed Effective Date:** September 1, 2014  
**ERCOT Impact Analysis:** Minor costs (Operations & Maintenance (O&M)); no impacts to ERCOT staffing; impacts to Data Track Reporting (DTF); no impacts to ERCOT business processes; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR608.  
**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR608 as recommended by PRS in the 6/11/14 PRS Report.

- ***NPRR614, Clarification of Telemetered Value of HSL for Combined Cycle Generation Resources providing RRS [EDF Trading]***  
**Revision Description:** This NPRR clarifies that Combined Cycle Generation Resources providing Responsive Reserve (RRS) may adjust the telemetered High Sustained Limit (HSL) in compliance with Resource limits in providing Ancillary Services.  
**Proposed Effective Date:** Upon testing completion.  
**ERCOT Impact Analysis:** Less than \$5k (O&M); no impacts to ERCOT staffing; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices; requires that regression testing be executed.  
**ERCOT Opinion:** ERCOT supports approval of NPRR614.  
**TAC Decision:** On 6/26/14, TAC voted to recommend approval of NPRR614 as recommended by PRS in the 6/11/14 PRS Report. There were two abstentions from the Independent Retail Electric Provider (IREP) (Direct Energy) and Independent Generator (NRG Texas) Market Segments.
- ***NPRR615, PVGR Forecasting [ETWG]***  
**Revision Description:** This NPRR establishes a definition for Short-Term PhotoVoltaic Power Forecast (STPPF) and clarifies the use of the resulting forecast within the Protocols.  
**Proposed Effective Date:** Upon System Implementation - Priority 2014; Rank 1130  
**ERCOT Impact Analysis:** \$105k - \$145k (system implementation), \$50k – \$100k (O&M); no impacts to ERCOT staffing; impacts to Market Management Systems (MMS), Settlements and Billing (S&B), Enterprise Information Services (EIS), Energy Management System (EMS), Market Information System (MIS), Common Information Model (CIM), External Web Services (EWS); ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports NPRR615 as it satisfies Protocol Section 3.13, and its expanded forecasting provides greater visibility into expected system conditions.  
**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR615 as recommended by PRS in the 7/17/14 PRS Report.
- ***NPRR616, Clarification of Notification for Undeliverable Ancillary Services [ERCOT]***  
**Revision Description:** This NPRR clarifies that the ERCOT Operator has discretion as to when to send a notification to affected Qualified Scheduling Entities (QSEs) when an Ancillary Service is found to be undeliverable due to infeasibility during a Reliability Unit Commitment (RUC) Study Period.  
**Proposed Effective Date:** September 1, 2014  
**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR616.  
**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR616 as recommended by PRS in the 6/11/14 PRS Report.

- ***NPRR618, Market Notices for Resettlement Statements and True-up Settlement Timeline Changes [ERCOT]***  
**Revision Description:** This NPRR replaces requirements to post Notices on the MIS for communication of Day-Ahead Market (DAM) and Real-Time Market (RTM) Resettlements and True-Up Settlement timeline changes with Market Notices.  
**Proposed Effective Date:** September 1, 2014  
**ERCOT Impact Analysis:** Less than \$5k (O&M); no impacts to ERCOT staffing; impacts to ERCOT.com; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR618.  
**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR618 as recommended by PRS in the 6/11/14 PRS Report.
- ***NPRR619, Minimum Quantity for DAM PTP Obligation Bids [ERCOT]***  
**Revision Description:** This NPRR adds a one-tenth of one Megawatt (MW) minimum quantity for Point-to-Point (PTP) Obligation bids into the DAM.  
**Proposed Effective Date:** Upon System Implementation.  
**ERCOT Impact Analysis:** Less than \$10k (O&M); no impacts to ERCOT staffing; impacts to MMS; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR619.  
**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR619 as recommended by PRS in the 6/11/14 PRS Report.
- ***NPRR620, Reduction of Cure Period Subsequent to Event of Default [ERCOT]***  
**Revision Description:** This NPRR revises the calculation of credit exposure for Counter-Parties that represent neither Load nor generation by adjusting the M1 factor for forward exposure risk to reflect the fact that these Counter-Parties do not have Mass Transition risk, reducing the 40-day “look back” period for certain exposure components to 20 days and specifying a Minimum Current Exposure (MCE) for these Counter-Parties that is also used as the Initial Estimated Liability (IEL).  
**Proposed Effective Date:** Upon System Implementation - Priority 2014; Rank 1160  
**ERCOT Impact Analysis:** \$80k - \$100k; no impacts to ERCOT staffing; impacts to Credit Monitoring & Management (CMM) and EIS; impacts to credit calculations - reduction of the time allocated for Mass Transition risk should generally result in lower calculated exposure for affected Counter-Parties; no impacts to ERCOT grid operations and practices.  
**ERCOT Opinion:** ERCOT supports approval of NPRR620.  
**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR620 as recommended by PRS in the 6/11/14 PRS Report.
- ***NPRR621, Counter-Party Specific Calculations for M1 Variable [ERCOT]***  
**Revision Description:** This NPRR clarifies the implementation of the fuel adder into the Mitigated Offer Cap as provided in NPRR485, Clarification for Fuel Adder Provisions,

approved by the ERCOT Board of Directors on 11/13/2012, and as planned to take effect upon ERCOT's implementation of the automated solution of NPRR485.

**Proposed Effective Date:** September 1, 2014

**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR621.

**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR621 as recommended by PRS in the 6/11/14 PRS Report. On 7/31/14, TAC unanimously voted to endorse NPRR621 as amended by the 7/23/14 ERCOT comments.

- ***NPRR622, Replace Planning and Operations Information Website References with MIS [ERCOT]***

**Revision Description:** This NPRR replaces references to the Planning and Operations Information website with the MIS location in preparation of the decommissioning of the Planning and Operations Information website.

**Proposed Effective Date:** Upon system implementation of Project PR066-01, Planning Site Transition to MIS

**ERCOT Impact Analysis:** Associated impacts captured in Project PR066-01; No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR622.

**TAC Decision:** On 6/26/14, TAC unanimously voted to recommend approval of NPRR622 as recommended by PRS in the 6/11/14 PRS Report.

- ***NPRR624, Generation Resource Operational Designation Transparency [GATF]***

**Revision Description:** This NPRR requires: (a) ERCOT to send a Market Notice regarding Generation Resource operational designation changes, and (b) the posting of a Notification of Suspension of Operations in one additional instance.

**Proposed Effective Date:** September 1, 2014

**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports NPRR624 as it furthers ERCOT's reliability function by increasing awareness of Generation Resource operational designation changes.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR624 as recommended by PRS in the 7/17/14 PRS Report.

- ***NPRR626, Reliability Deployment Price Adder (formerly "ORDC Price Reversal Mitigation Enhancements") - URGENT [Luminant]***

**Revision Description:** This NPRR mitigates the price reversal/suppression associated with the deployment of Load Resources and/or other out-of-market reliability deployments that may inappropriately reduce the total Real-Time price in times of scarcity.

**Proposed Effective Date:** Upon System Implementation - Priority 2014; Rank 880

**ERCOT Impact Analysis:** \$400k - \$600k (system implementation), \$125k – \$135k (O&M); ongoing impact of one Full-Time Employee (FTE) in the Market Operations group; impacts to MMS, S&B, EMS, MIS, CIM, EIS, Information Services Master (ISM), Current Day Reports (CDR), Dashboards, ERCOT.com, Commercial Systems Integration (CSI), and CMM; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports NPRR626 because it meets the Public Utility Commission of Texas' (PUCT's) objective of mitigating price reversal and suppression during deployment Load Resources, Emergency Response Service (ERS), and RUC.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR626 as recommended by PRS in the 7/17/14 PRS Report and as amended by TAC.

- ***NPRR628, Notification of Financial Impact of Settlement Disputes [CSWG]***

**Revision Description:** This NPRR aligns the Protocols with the current practice for reporting on the financial impact of Settlement disputes and requires ERCOT to provide a report on the MIS containing the status of each dispute submitted.

**Proposed Effective Date:** September 1, 2014

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

**ERCOT Opinion:** ERCOT supports NPRR628 as it clarifies the current ERCOT practices and reporting on Settlement disputes.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR628 as recommended by PRS in the 7/17/14 PRS Report.

- ***NPRR629, Removal of Black Start Plan Posting Requirement [ERCOT]***

**Revision Description:** This NPRR removes the Black Start plan posting requirement from the Protocols as this requirement is being relocated to the Nodal Operating Guides.

**Proposed Effective Date:** Upon implementation of NOGRR134.

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

**ERCOT Opinion:** ERCOT supports approval of NPRR629.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR629 as recommended by PRS in the 7/17/14 PRS Report with an effective date of upon implementation of NOGRR134.

- ***NPRR630, As-Built Clarifications to Settlements of ORDC [ERCOT]***

**Revision Description:** This NPRR defines the System-Wide Discount Factor and clarifies the role of this factor in the formulas used in the Settlements of the Operating Reserve Demand Curve (ORDC); and corrects an error in the formula for calculating the Real-Time Ancillary Service Imbalance Amount in Section 6.7.4, Real-Time Ancillary Service Imbalance Payment or Charge.

**Proposed Effective Date:** September 1, 2014

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

**ERCOT Opinion:** ERCOT supports approval of NPRR630.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR630 as recommended by PRS in the 7/17/14 PRS Report.

- ***NPRR631, Corrections to Definition of Credible Single Contingency - URGENT [ERCOT]***  
**Revision Description:** This NPRR seeks to restore proposed changes to NPRR540 that were represented in the 9/9/13 Constraint Management Plan Revision Request Workshop comments and endorsed by ROS as noted in the 9/16/13 ROS comments, but not included in the version recommended for approval by PRS in the 10/17/13 PRS Report, which was subsequently approved. The language being addressed is the definition of Credible Single Contingency, item (4). This item requires ERCOT to consider “G-1 + N-1” contingent events in Real-Time as well as other operational assessments, including Outage coordination. In practice, ERCOT does not consider such events in Real-Time operations. Rather, these contingent events have only been considered applicable in the Planning Horizon.

**Proposed Effective Date:** Upon ERCOT Board Approval.

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

**ERCOT Opinion:** ERCOT supports approval of NPRR631.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of NPRR631 as recommended by PRS in the 7/17/14 PRS Report.

- ***PGRR036, Planning Market Data Transparency [ERCOT]***  
**Revision Description:** This Planning Guide Revision Request (PGRR) adds a new section to the Planning Guide and removes references to the Planning and Operations Information website to prepare for the decommission of the Planning and Operations Information website and the transfer of data and information to the MIS.

**Proposed Effective Date:** Upon implementation of Project PR066-01, Planning Site Transition to MIS.

**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices. (Impacts are captured in Project PR066-01, Planning Site Transition to MIS).

**ERCOT Opinion:** ERCOT supports approval of PGRR036.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of PGRR036 as recommended by ROS in the 7/10/14 ROS Report.

- ***PGRR038, Require ERCOT to Report Circuits Loaded Above 95% of Their Facility Rating [ERCOT]***

**Revision Description:** This PGRR requires ERCOT to report when circuits are loaded above 95% of their Facility Rating for single contingency events in the annual Regional Transmission Plan.

**Proposed Effective Date:** September 1, 2014

**ERCOT Impact Analysis:** No budgetary impact; no impacts to ERCOT staffing; no impacts to ERCOT computer systems; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of PGRR038.

**TAC Decision:** On 7/31/14, TAC unanimously voted to recommend approval of PGRR038 as recommended by ROS in the 7/10/14 ROS Report.

The TAC Reports and Impact Analyses for these Revision Requests are included in the ERCOT Board meeting materials which can found at the following link:

<http://www.ercot.com/calendar/2014/08/20140812-BOD>

In addition, these Revision Requests and supporting materials are posted on the ERCOT website at the following links:

<http://www.ercot.com/mktrules/nprotocols/npr>

<http://www.ercot.com/mktrules/guides/planning/pgrr>

**Key Factors Influencing Issue:**

The PRS met, discussed the issues, and submitted reports to TAC regarding NPRRs 593, 604, 608, 614, 615, 616, 618, 619, 620, 621, 622, 624, 626, 628, 629, 630, and 631.

The ROS met, discussed the issues, and submitted reports to TAC regarding PGRRs 036 and 038.

TAC considered the issues and voted to take action on regarding NPRRs 593, 604, 608, 614, 615, 616, 618, 619, 620, 621, 622, 624, 626, 628, 629, 630, and 631; and PGRRs 036 and 038.

**Conclusion/Recommendation:**

As more specifically described above, TAC recommends that the ERCOT Board approve NPRRs 593, 604, 608, 614, 615, 616, 618, 619, 620, 621, 622, 624, 626, 628, 629, 630, and 631; and PGRRs 036 and 038.



**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):

- NPRR593, Clarification of Generic Transmission Limit Posting Requirements;
- NPRR604, Modification to Submission Timeline for Changes to Emergency Operations and Weatherization Plans;
- NPRR608, Alignment of Transaction Timing to the PUCT Performance Measures;
- NPRR614, Clarification of Telemetered Value of HSL for Combined Cycle Generation Resources providing RRS;
- NPRR615, PVGR Forecasting;
- NPRR616, Clarification of Notification for Undeliverable Ancillary Services;
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- NPRR619, Minimum Quantity for DAM PTP Obligation Bids;
- NPRR620, Collateral Requirements for Counter-Parties with No Load or Generation;
- NPRR621, Counter-Party Specific Calculations for M1 Variable;
- NPRR622, Replace Planning and Operations Information Website References with MIS;
- NPRR624, Generation Resource Operational Designation Transparency;
- NPRR626, Reliability Deployment Price Adder (formerly "ORDC Price Reversal Mitigation Enhancements") – URGENT;
- NPRR628, Notification of Financial Impact of Settlement Disputes;
- NPRR629, Removal of Black Start Plan Posting Requirement;
- NPRR630, As-Built Clarifications to Settlements of ORDC;
- NPRR631, Corrections to Definition of Credible Single Contingency – URGENT;
- PGRR036, Planning Market Data Transparency; and
- PGRR038, Require ERCOT to Report Circuits Loaded Above 95% of Their Facility Rating

THEREFORE be it RESOLVED, that the ERCOT Board hereby approves NPRRs 593, 604, 608, 614, 615, 616, 618, 619, 620, 621, 622, 624, 626, 628, 629, 630, and 631; and PGRRs 036 and 038.

**CORPORATE SECRETARY'S CERTIFICATE**

I, Vickie G. Leady, Assistant Corporate Secretary of ERCOT, do hereby certify that, at its August 12, 2014 meeting, the ERCOT Board passed a motion approving the above Resolution by \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of August 2014.

\_\_\_\_\_  
Vickie G. Leady  
Assistant Corporate Secretary