

**Date:** March 12, 2013  
**To:** ERCOT Board of Directors  
**From:** Kenan Ogelman, Technical Advisory Committee (TAC) Chair  
**Subject:** Unopposed Nodal Protocol Revision Requests

**Issue for the ERCOT Board of Directors**

**ERCOT Board of Directors (ERCOT Board) Meeting Date:** March 19, 2013

**Item No.:** 2.1

**Issue:**

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

- NPPRR474, Clarification of Price Correction Principles and Associated Timelines
- NPPRR487, QSGR Dispatch Adjustment - URGENT
- NPPRR489, Planning Reserve Margin
- NPPRR492, Addition of System Lambda Information
- NPPRR493, Half-Hour RUC Clawback
- NPPRR496, Revise West Hub Definition Due to Permanent Topology Change
- NPPRR498, Cleanup of ERCOT Finance and Audit Committee Responsibilities in Operational Audits
- NPPRR499, Revisions to Digital Certificate Holder Qualification Requirements
- NPPRR502, Addition of Year 6 to the SSWG Base Cases
- NPPRR504, Removal of Language Related to LPGRR049
- NPPRR509, Shortened RTM Settlement Timeline - URGENT
- NPPRR518, Removal of Notification Requirement for Disclosures of Protected Information Required by CFTC - URGENT
- NPPRR520, Real-Time Mitigation Rules and Creation of a Real-Time Constraint Competitiveness Test - URGENT
- NPPRR521, Transitional CRR Auction Capacity Value for Initial CRR Long-Term Auction Sequence – URGENT
- SCR773, Addition of Regulation Feedback to Generation to be Dispatched Calculation - URGENT
- Parking Deck SCR756, Enhancements to the MarkeTrak Application
- PGRR022, Removal of Planning Reserve Margin Calculation Methodology
- PGRR023, Contingency Filing Requirements
- PGRR024, Clarify Planning Assumptions and Performance Criteria
- PGRR026, Addition of Year 6 to the SSWG Base Cases
- NOGRR101, Market Transparency for DC Tie Outage Information
- NOGRR105, Generation Resource Frequency Response Test Procedure

**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.**

- ***NPRR474, Clarification of Price Correction Principles and Associated Timelines [ERCOT].***

**Revision Description:** This Nodal Protocol Revision Request (NPRR) provides general principles on the types of errors for which ERCOT may perform a price correction; and greater regulatory certainty around the associated timelines for price corrections, including ERCOT notice to Market Participants for a price correction request to the ERCOT Board.

**Proposed Effective Date:** April 1, 2013

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

**ERCOT Opinion:** ERCOT supports approval of NPRR474.

**TAC Decision:** On 2/7/13, TAC voted to recommend approval of NPRR474 as amended by the 1/31/13 ERCOT comments. There was one abstention from the Independent Power Marketer (IPM) Market Segment.

- ***NPRR487, Clarification of Price Correction Principles and Associated Timelines – URGENT [ERCOT].***

**Revision Description:** This NPRR modifies the emergency energy Settlement treatment of a Quick Start Generation Resource (QSGR) that is brought On-Line with a Base Point less than or equal to its Resource registration applicable Seasonal net minimum sustainable rating; removes the limitation for compensation using an Energy Offer Curve price that is capped by the Mitigated Offer Cap (adjusted to include variable Operations and Maintenance (O&M)); allows this compensation until Security-Constrained Economic Dispatch (SCED) no longer needs the QSGR to generate, subject to performance of the QSGR Decommitment Decision Process; and details the QSGR Decommitment Decision Process.

**Proposed Effective Date:** April 1, 2013 (manual); Upon System Implementation – Priority 2014; Rank 960 (automation)

**ERCOT Impact Analysis:** \$25k - \$45k; 0.1 FTE impact which will be absorbed by current Settlements & Billing (S&B) staff; impacts to S&B, Commercial Systems Interface (CSI), and Energy Management System (EMS); ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR487 as the revisions provide a solution for indicating decommitment and compensation of a QSGR when dispatched to Low Sustained Limit (LSL) by SCED.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NPRR487 as recommended by PRS in the 1/17/13 PRS Report, as amended by the 2/6/13 Luminant Energy Company LLC comments and as revised by TAC; and to request that a revised Impact Analysis be brought back to TAC for consideration. On 3/7/13, TAC unanimously voted to endorse and forward the 2/7/13 TAC Report and revised Impact Analysis for NPRR487 to the ERCOT Board with a recommended priority of 2014 and rank of 960.

- ***NPRR489, Planning Reserve Margin [NRG Energy].***

**Revision Description:** This NPRR adds the Planning Reserve Margin (PRM) methodology, currently in the Planning Guide, to the Protocols.

**Proposed Effective Date:** April 1, 2013

**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 NPRR489 as it provides additional transparency into the methodology used by ERCOT to determine the PRM for the semi-annual Report on Capacity, Demand, and Reserves in the ERCOT Region (CDR).

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR489 as amended by the 12/7/12 NRG Energy, Inc. comments. On 3/7/13, TAC unanimously voted to endorse the 2/18/13 ERCOT comments.

- ***NPRR492, Addition of System Lambda Information [ERCOT].***

**Revision Description:** This NPRR accounts for the addition of the System Lambda to the Locational Marginal Price (LMP) by Resource Node, Load Zone and Trading Hub report and display; and defines System Lambda within the Protocols and applies the defined term throughout.

**Proposed Effective Date:** Upon System Implementation – Priority 2013; Rank 820

**ERCOT Impact Analysis:** \$18k - \$20k; no impacts to ERCOT staffing; impacts to Market Management System (MMS) and Market Information System (MIS); no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR492 recognizing the benefits of added transparency and clarity for the health of the market.

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR492 as recommended by PRS in the 12/13/12 PRS Report.

- ***NPRR493, Half-Hour RUC Clawback [GDF Suez].***

**Revision Description:** This NPRR removes Reliability Unit Commitment (RUC) Clawback on all Half-Hour Start Units that participate in the Day-Ahead Market (DAM) and during Energy Emergency Alert (EEA) events; and changes the RUC Clawback on all Half-Hour Start Units that did not participate in the DAM to 50%.

**Proposed Effective Date:** Upon System Implementation – Priority 2013; Rank 830

**ERCOT Impact Analysis:** \$15k - \$20k; no impacts to ERCOT staffing; system impacts to CSI and S&B; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports NPRR493 as it helps Resource owners manage financial risk.

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR493 as recommended by PRS in the 12/13/12 PRS Report.

- ***NPRR496, Revise West Hub Definition Due to Permanent Topology Change [ERCOT].***

**Revision Description:** This NPRR revises the West 345 kV Hub to replace the Sweetwater Cogen (SWCOG) Hub Bus with Sweetwater East Switch (SWESW) Hub Bus.

**Proposed Effective Date:** April 1, 2013

**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 NPRR496.

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR496 as recommended by PRS in the 12/13/12 PRS Report.

- ***NPRR498, Cleanup of ERCOT Finance and Audit Committee Responsibilities in Operational Audits [ERCOT].***

**Revision Description:** This NPRR proposes cleanup to Protocol language in regards to the responsibilities of the ERCOT Finance and Audit (F&A) Committee in operational audits.

**Proposed Effective Date:** April 1, 2013

**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 NPRR498.

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR498 as recommended by PRS in the 12/13/12 PRS Report.

- ***NPRR499, Revisions to Digital Certificate Holder Qualification Requirements [ERCOT].***

**Revision Description:** This NPRR removes references to the Foreign Corrupt Practices Act; removes language giving new Market Participants a six-month exemption from certain Digital Certificate issuance requirements; and adds a prohibition against the trade or sale of Digital Certificates.

**Proposed Effective Date:** April 1, 2013

**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 NPRR499.

**TAC Decision:** On 1/3/13, TAC unanimously voted to recommend approval of NPRR499 as recommended by PRS in the 12/13/12 PRS Report.

- ***NPRR502, Addition of Year 6 to the SSWG Base Cases [Planning Working Group (PLWG)].***

**Revision Description:** This NPRR adds a sixth year (Year 6) to the Steady State Working Group (SSWG) Data Set B base cases.

**Proposed Effective Date:** April 1, 2013

**ERCOT Impact Analysis:** No budgetary impact; minor impacts to Coordination/Model Administration and Transmission Planning which can be absorbed by existing ERCOT Staff as ERCOT anticipates fewer Transmission Project and Information Tracking updates as a result of NPRR which will offset incremental new work; no impacts to ERCOT computer systems; existing ERCOT business functions will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR502 as it aligns with proposed NERC requirements.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NPRR502

as recommended by PRS in the 1/17/13 PRS Report.

- ***NPRR504, Removal of Language Related to LPGRR049 [Profiling Working Group (PWG)].***

**Revision Description:** This NPRR requires Electric Service Identifiers (ESI IDs) with provisioned Advanced Meters to be included in the Annual Validation of the Load Profile Segment process.

**Proposed Effective Date:** April 1, 2013

**ERCOT Impact Analysis:** \$20k - \$25k for additional data storage (to be tracked as demand in support of a future ERCOT infrastructure purchase); no impacts to ERCOT staffing; storage impacts; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports NPRR504 as the requirement to include Advanced Meters in Annual Validation will ensure the accuracy of Load Profile Type codes and enable ERCOT to create more accurate class level Load forecasts.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NPRR504 as recommended by PRS in the 1/17/13 PRS Report.

- ***NPRR509, Shortened RTM Settlement Timeline – URGENT [COPS].***

**Revision Description:** This NPRR proposes a phased approach to reduce the posting date for the Initial Settlement Statement from nine days after the Operating Day to seven days after the Operating Day and reduces the posting date of the Final Settlement Statement from the 59<sup>th</sup> day after the Operating Day to the 57<sup>th</sup> day after the Operating Day.

**Proposed Effective Date:** Upon System Implementation – Priority 2014; Rank 930

**ERCOT Impact Analysis:** \$35k - \$45k; no impacts to ERCOT staffing; impacts to Registration; ERCOT business processes will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR509 as the shortened Settlement timeline will reduce credit exposure, therefore lowering collateral requirements and reducing default uplift risk. It is also responsive to concerns raised at the Public Utility Commission of Texas (PUCT) regarding impacts of the forthcoming increase to the System-Wide Offer Cap (SWCAP).

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NPRR509 as recommended by PRS in the 1/17/13 PRS Report with a recommended Priority of 2014 and rank of 930. *See 1/31/13 Credit Work Group Comments.*

- ***NPRR518, Removal of Notification Requirement for Disclosures of Protected Information Required by CFTC – URGENT [ERCOT].***

**Revision Description:** This NPRR creates an explicit exception to the prohibition against disclosing Protected Information that would authorize ERCOT to respond to the Commodity Futures Trading Commission (CFTC) requests, and further proposes adding an exception to the notice requirement in Section 1.3.5 to accommodate CFTC investigative requests; and requires ERCOT to submit a written request for confidential treatment to the CFTC whenever disclosing Protected Information.

**Proposed Effective Date:** April 1, 2013

**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 NPRR518.

**TAC Decision:** On 3/7/13, TAC unanimously voted to recommend approval of NPRR518 as recommended by PRS in the 2/21/13 PRS Report. *See 1/31/13 Credit Work Group Comments.*

- ***NPRR520, Real-Time Mitigation Rules and Creation of a Real-Time Constraint Competitiveness Test – URGENT [ERCOT].***

**Revision Description:** This NPRR addresses Security-Constrained Economic Dispatch (SCED) over-mitigation issues by minimizing the set of Resources that are mitigated to only those Resources that have significant impacts to a Non-Competitive Constraint; ensures that Resources that do not impact a Non-Competitive Constraint, when dispatched up in SCED Step 2 to meet the power balance constraint, will set the price based on their competitive offers; and minimizes Base Point oscillations for Resources that become marginal due to offer price floors for NSPIN/RUC/RMR, high QSGR offers priced above the reference LMP, or high offers submitted based on Voluntary Mitigation Plan above the reference LMP.

**Proposed Effective Date:** Upon System Implementation – Priority 2013; Rank 205

**ERCOT Impact Analysis:** \$180k - \$200k; no impacts to ERCOT staffing; impacts to MIS, MMS, Enterprise Integration (EI), Current Day Report (CDR), and Network Modeling and Management System (NMMS); no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NPRR520.

**TAC Decision:** On 3/7/13, TAC voted to recommend approval of NPRR520 as recommended by PRS in the 2/21/13 PRS Report and as amended by the 2/28/13 ERCOT comments. There were three abstentions from the Independent Retail Electric Provider (IREP) Market Segment.

- ***NPRR521, Transitional CRR Auction Capacity Value for Initial CRR Long-Term Auction Sequence – URGENT [ERCOT].***

**Revision Description:** For initial implementation purposes only, this NPRR proposes to increase the initial Congestion Revenue Right (CRR) Auction Capacity for the first six-month portion of the initial CRR Long-Term Auction Sequence from 60% up to 70% in order to mitigate potential system and market issues during the transition from the Annual CRR Auction to the CRR Long-Term Auction Sequence.

**Proposed Effective Date:** April 1, 2013

**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 NPRR521.

**TAC Decision:** On 3/7/13, TAC unanimously voted to recommend approval of NPRR521 as recommended by PRS in the 2/21/13 PRS Report.

- ***SCR773, Addition of Regulation Feedback to Generation to be Dispatched Calculation – URGENT [PDCWG].***

**Revision Description:** This System Change Request (SCR) updates the formula used by the system to calculate the amount of generation to be dispatched that takes into account a configurable quantity for Regulation Service that has been deployed.

**Proposed Effective Date:** Upon System Implementation – Priority 2013; Rank 595

**ERCOT Impact Analysis:** \$50k - \$100k; no impacts to ERCOT staffing; impacts to EMS and NMMS; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports SCR773 as the changes should reduce the amount of Regulation Service deployed.

**TAC Decision:** On 3/7/13, TAC unanimously voted to recommend approval of SCR773 as recommended by PRS in the 2/21/13 PRS Report with a recommended priority of 2013 and rank of 595. *Credit review not applicable.*

- ***Parking Deck SCR756, Enhancements to the MarkeTrak Application [MarkeTrak Task Force (MTTF)].***

**Revision Description:** This SCR adds functionality to the MarkeTrak Issue Resolution Tool to improve and standardize Market Participant administration functions, implement ERCOT validations requested by the MTTF, and redesign the workflows to leverage potential vendor upgrades to the MarkeTrak application.

**Proposed Effective Date:** Upon System Implementation – Priority 2013; Rank 735

**ERCOT Impact Analysis:** \$250k - \$300k; no impacts to ERCOT staffing; impacts to MarkeTrak, Siebel and EI; no impact to ERCOT business functions; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of SCR756 as the additional functionality and system automation will provide for improved efficiencies, reduce the time required to work MarkeTrak issues, therefore utilizing less resources.

**TAC Decision:** On 3/7/13, TAC unanimously voted to recommend approval of the impact assessment for SCR756 as recommended by PRS in the 2/21/13 PRS Report – Impact Assessment.

- ***PGRR022, Removal of Planning Reserve Margin Calculation Methodology [NRG Energy].***

**Revision Description:** This Planning Guide Revision Request (PGRR) deletes Section 8 from the Planning Guide. The PRM methodology is being added to the Protocols via NPRR489, Planning Reserve Margin.

**Proposed Effective Date:** April 1, 2013

**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 PGRR022. The methodology used by ERCOT to determine the PRM for the semi-annual CDR is being added to the Protocols via NPRR489.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of PGRR022 as recommended by ROS in the 1/10/13 ROS Report. *Credit review not applicable.*

- ***PGRR023, Contingency Filing Requirements [PLWG].***

**Revision Description:** This PGRR adds a requirement for Transmission Service Providers (TSPs) to submit and annually review a list of contingencies for their portion of the ERCOT System. The language ensures that the appropriate contingencies are being submitted for ERCOT and North American Electric Reliability Corporation (NERC) planning criteria.

**Proposed Effective Date:** April 1, 2013

**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 PGRR023 as it creates a requirement for TSPs to submit contingency definitions which are required for planning studies.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of PGRR023 as recommended by ROS in the 1/10/13 ROS Report. *Credit review not applicable.*

- ***PGRR024, Clarify Planning Assumptions and Performance Criteria [PLWG].***

**Revision Description:** This PGRR clarifies assumptions allowed for planning studies and planning performance criteria and better reflects current planning practices.

**Proposed Effective Date:** April 1, 2013

**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 PGRR024 as it aligns the Planning Guide with current planning practices.

**TAC Decision:** On 1/3/13, TAC voted to recommend approval of PGRR024 as recommended by ROS in the 12/6/12 ROS Report. There were two abstentions from the Independent Generator and IPM Market Segments. *Credit review not applicable.*

- ***PGRR026, Addition of Year 6 to the SSWG Base Cases [PLWG].***

**Revision Description:** This PGRR adds a sixth year (Year 6) to the SSWG Data Set B base cases. Revisions to the Transmission Project and Information Tracking (TPIT) and Annual Load Data Request (ALDR) procedures will be required as result of this PGRR.

**Proposed Effective Date:** April 1, 2013

**ERCOT Impact Analysis:** No budgetary impact; minor impacts to ERCOT staffing that can be absorbed by existing staff; no impacts to ERCOT computer systems; ERCOT business functions will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of PGRR026 as it aligns with proposed NERC requirements.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of PGRR026 as revised by the 1/29/13 ERCOT comments. *Credit review not applicable.*

- ***NOGRR101, Market Transparency for DC Tie Outage Information [Tenaska].***

**Revision Description:** This Nodal Operating Guide Revision Request (NOGRR) provides that ERCOT shall produce a detailed report regarding any Outage of a Direct Current Tie (DC Tie) in a timely manner.

**Proposed Effective Date:** April 1, 2013; Upon System Implementation – Priority 2013; Rank – 815 (for grey-boxed language)

**ERCOT Impact Analysis:** Less than \$10k; ongoing impact of 0.1 FTE to Operations



Engineering that can be absorbed by existing staff; impacts to MIS; ERCOT business functions will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NOGRR101 recognizing the benefits of added transparency and clarity for the health of the market.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NOGRR101 as recommended by PRS in the 1/17/13 PRS Report. *Credit review not applicable.*

- ***NOGRR105, Generation Resource Frequency Response Test Procedure [PDCWG].***

**Revision Description:** This NOGRR adds a Governor test form for Controllable Load Resources and proposes minor corrections to calculations.

**Proposed Effective Date:** April 1, 2013; Upon system implementation – Priority 2013; Rank 840 (for the Controllable Load Resource Frequency Response Test Procedure and the Controllable Load Resource Frequency Response Test)

**ERCOT Impact Analysis:** \$30k - \$40k; impacts to Net Dependable Capability and Reactive Capability Application and Information Services Master database; ERCOT business functions will be updated; no impacts to ERCOT grid operations and practices.

**ERCOT Opinion:** ERCOT supports approval of NOGRR105 as it provides a consistent format for obtaining governor test information for Controllable Load Resources and corrects testing calculations.

**TAC Decision:** On 2/7/13, TAC unanimously voted to recommend approval of NOGRR105 as recommended by PRS in the 1/17/13 PRS Report. *Credit review not applicable.*

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/2013/03/20130319-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/syschangereq/scrs>

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

<http://www.ercot.com/mktrules/guides/noperating/nogrr>

**Key Factors Influencing Issue:**

The PRS met, discussed the issues, and submitted reports to TAC regarding NPRRs 474, 487, 489, 492, 493, 496, 498, 499, 502, 504, 509, 518, 520, and 521; SCR 773; and Parking Deck SCR756 as described herein.

The ROS met, discussed the issues, and submitted a report to TAC regarding PGRRs 022, 023, 024, and 026; and NOGRRs 101 and 105 as described herein.

TAC considered the issues and voted to take action on NPRRs 474, 487, 489, 492, 493, 496,

498, 499, 502, 504, 509, 518, 520, and 521; SCR 773; Parking Deck SCR756; PGRRs 022, 023, 024, and 026; and NOGRRs 101 and 105 as described above.

**Conclusion/Recommendation:**

As more specifically described above, TAC recommends that the ERCOT Board approve NPRRs 474, 487, 489, 492, 493, 496, 498, 499, 502, 504, 509, 518, 520, and 521; SCR 773; Parking Deck SCR756; PGRRs 022, 023, 024, and 026; and NOGRRs 101 and 105 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 Revision Requests:

- NPRR474, Clarification of Price Correction Principles and Associated Timelines
- NPRR487, QSGR Dispatch Adjustment - URGENT
- NPRR489, Planning Reserve Margin
- NPRR492, Addition of System Lambda Information
- NPRR493, Half-Hour RUC Clawback
- NPRR496, Revise West Hub Definition Due to Permanent Topology Change
- NPRR498, Cleanup of ERCOT Finance and Audit Committee Responsibilities in Operational Audits
- NPRR499, Revisions to Digital Certificate Holder Qualification Requirements
- NPRR502, Addition of Year 6 to the SSWG Base Cases
- NPRR504, Removal of Language Related to LPGRR049
- NPRR509, Shortened RTM Settlement Timeline - URGENT
- NPRR518, Removal of Notification Requirement for Disclosures of Protected Information Required by CFTC - URGENT
- NPRR520, Real-Time Mitigation Rules and Creation of a Real-Time Constraint Competitiveness Test - URGENT
- NPRR521, Transitional CRR Auction Capacity Value for Initial CRR Long-Term Auction Sequence – URGENT
- SCR773, Addition of Regulation Feedback to Generation to be Dispatched Calculation - URGENT
- Parking Deck SCR756, Enhancements to the MarkeTrak Application
- PGRR022, Removal of Planning Reserve Margin Calculation Methodology
- PGRR023, Contingency Filing Requirements
- PGRR024, Clarify Planning Assumptions and Performance Criteria
- PGRR026, Addition of Year 6 to the SSWG Base Cases
- NOGRR101, Market Transparency for DC Tie Outage Information
- NOGRR105, Generation Resource Frequency Response Test Procedure

THEREFORE be it RESOLVED, that the ERCOT Board hereby approves NPRRs 474, 487, 489, 492, 493, 496, 498, 499, 502, 504, 509, 518, 520, and 521; SCR 773; Parking Deck SCR756; PGRRs 022, 023, 024, and 026; and NOGRRs 101 and 105.

**CORPORATE SECRETARY'S CERTIFICATE**

I, Vickie G. Leady, Assistant Corporate Secretary of ERCOT, do hereby certify that, at its March 19, 2013 meeting, the ERCOT Board passed a motion approving the above Resolution by \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of March 2013.

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Vickie G. Leady  
Assistant Corporate Secretary