



Date: September 13, 2011
To: ERCOT Board of Directors
From: Brad Jones, Technical Advisory Committee (TAC) Chair
Subject: Unanimous Revision Requests

Issue for the ERCOT Board of Directors

ERCOT Board of Directors (ERCOT Board) Meeting Date: September 20, 2011

Agenda Item No.: 12a

Issue:

Consideration of the following Revision Requests unanimously recommended for approval by TAC:

- NPRR321 – Allow Change to Energy Offer Curve Megawatt (MW) Amounts in the Adjustment Period (formerly “Allow Change to Energy Offer Curve MW Amounts in the Adjustment Period for Qualifying Facilities”)
- NPRR348 – Generation Resource Start-Up and Shut-Down Process
- NPRR354 – Revisions to Non-Spin Performance Criteria Language and Provision for Inter-Control Center Communication Protocol (ICCP) Telemetry of Non-Spin Deployment
- NPRR358 – Clarification of Responsible Entity for Binding Obligations
- NPRR360 – Summary Report of High Dispatch Limit (HDL) and Low Dispatch Limit (LDL)
- NPRR374 – Modification of System Change Request (SCR) Process and Urgency Requirements
- NPRR375 – Extend the Reporting Horizon for Current Day Report (CDR) Inputs
- NPRR380 – Minor Changes to Default Uplift Invoice
- NPRR382 – Verbal Reliability Unit Commitment (RUC) Committed or Decommitted Resources Report
- NPRR383 – Unconfirmed Trades Reports
- NPRR384 – Revisions to Support SCR766, Load Zone and Hub Location Marginal Prices (LMPs) Distributed by ICCP (formerly “Load Zone Price Distributed by ICCP”)

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.

Nodal Protocol Revision Requests (NPRRs):

- **NPRR321 – Allow Change to Energy Offer Curve MW Amounts in the Adjustment Period (formerly “Allow Change to Energy Offer Curve MW Amounts in the Adjustment Period for Qualifying Facilities”) [Calpine].**

Proposed Effective Date: Upon System Implementation – Priority High; Rank 13.2.

ERCOT Impact Analysis: \$55 to 60k; no impacts to ERCOT staffing; impacts to CDR, Market Information System (MIS), and Market Management System (MMS); no impacts to ERCOT business functions; no impacts to grid operations or practices.

Revision Description: This NPRR would provide the ability for Resources to change the

amounts of power in their Energy Offer Curves in the Adjustment Period.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR321 as recommended by the Protocol Revision Subcommittee (PRS) in the July 21, 2011 PRS Report.

- **NPRR348 – Generation Resource Start-Up and Shut-Down Process [ERCOT].**

Proposed Effective Date: Upon System Implementation – Priority Critical; Rank 8.4.

ERCOT Impact Analysis: \$115 to 130k; no impacts to ERCOT staffing; impacts to MMS, Settlements and Billing (S&B), Energy Management System (EMS), Commercial System Integration (CSI), Information Services Master (ISM), CDR, and MIS; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

Revision Description: This NPRR removes Protocol language concerning the use of the “ONTEST” Resource Status during start-up and shut-down and adds language to address the start-up and shut-down processes; and also adds a new “SHUTDOWN” Resource Status for use in telemetry only for shutdown operations.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR348 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR354 – Revisions to Non-Spin Performance Criteria Language and Provision for ICCP Telemetry of Non-Spin Deployment [WMS].**

Proposed Effective Date: Upon System Implementation – Priority High; Rank 31.

ERCOT Impact Analysis: \$100 to 110k; no impacts to ERCOT staffing; impacts to EMS, Enterprise Integration (EI), Enterprise Information Services (EIS), and MIS; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

Revision Description: This NPRR clarifies the performance criteria for Non-Spinning Reserve (Non-Spin) Service deployments, adds language for provision of a Non-Spin deployment flag to Qualified Scheduling Entities (QSEs) via ICCP, and adds a requirement for Extensible Markup Language (XML) notification to all QSEs when Non-Spin is deployed.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR354 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR358 – Clarification of Responsible Entity for Binding Obligations [ERCOT].**

Proposed Effective Date: October 1, 2011.

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

Revision Description: This NPRR replaces the term “Generation Entity” with “Resource Entity,” where appropriate, to provide clarity that for binding obligations the Resource Entity is designated as the Entity obligated under the Protocols; and also modifies the definition of Generation Entity.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR358 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR360 – Summary Report of HDL and LDL [MISUG].**

Proposed Effective Date: Upon System Implementation – Priority High; Rank 32.5.

ERCOT Impact Analysis: \$30 to 35k; no impacts to ERCOT staffing; impacts to CDR, MIS, Information Services Master (ISM) Database, and Market Information Repository (MIR); no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

Revision Description: This NPRR creates a new posting for the sum of HDL and the sum of LDL and any Generation Resource instances of manual overrides of HDL or LDL to the MIS Public Area after every Security-Constrained Economic Dispatch (SCED) run. This NPRR also adds the requirement to post any QSE instances of manual overrides of HDL and LDL for a Generation Resource to the MIS Certified Area after every SCED run.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR360 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR374 – Modification of SCR Process and Urgency Requirements [ERCOT].**

Proposed Effective Date: October 1, 2011.

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

Revision Description: This NPRR consolidates the SCR process and NPRR process so that the governing subcommittee for both SCRs and NPRRs is the PRS. This NPRR also modifies the requirements for Urgency.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR374 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR375 – Extend the Reporting Horizon for CDR Inputs [ERCOT].**

Proposed Effective Date: October 1, 2011.

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

Revision Description: This NPRR extends existing reporting requirements for Mothballed Generation Resource return-to-service probabilities, Generation Resources with associated Load, and Switchable Generation Resources, from five to ten years.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR375 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR380 – Minor Changes to Default Uplift Invoice [ERCOT].**

Proposed Effective Date: October 1, 2011.

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

Revision Description: This NPRR provides minor corrective and clarifying changes to the allocation methodology used for the Default Uplift Invoice.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR380 as recommended by PRS in the July 21, 2011 PRS Report and as amended by the July 27, 2011 ERCOT comments.

- **NPRR382 – Verbal RUC Committed or Decommitted Resources Report [MIS User**

Group (MISUG)].

Proposed Effective Date: Upon System Implementation – Priority High; Rank 32.6.

ERCOT Impact Analysis: \$25 to 30k; no impacts to ERCOT staffing; impacts to CDR, MIS, and MMS; enhancement to operator business processes related to Verbal Dispatch Instructions (VDIs); operator training to support VDI posting requirements.

Revision Description: This NPRR creates two new reports on the MIS Secure Area for verbal RUC commitments/decommitments, one following the Day-Ahead Reliability Unit Commitment (DRUC) and one following the Hourly Reliability Unit Commitment (HRUC) to stay consistent with the current RUC data delivery process.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR382 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR383 – Unconfirmed Trades Reports [MISUG].**

Proposed Effective Date: Upon System Implementation – Priority High; Rank 32.7.

ERCOT Impact Analysis: \$25 to 30k; no impacts to ERCOT staffing; impacts to CDR, MIS, and MMS; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

Revision Description: This NPRR creates a new report for unconfirmed trades on the MIS Certified Area that will provide timely information regarding the trades that have not yet been confirmed for the upcoming hour and all remaining hours of the RUC Study Period so that Market Participants may make adjustments as necessary to conduct business.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR383 as recommended by PRS in the July 21, 2011 PRS Report.

- **NPRR384 – Revisions to Support SCR766, Load Zone and Hub LMPs Distributed by ICCP (formerly “Load Zone Price Distributed by ICCP”) [ERCOT].**

Proposed Effective Date: Upon System Implementation of SCR766.

ERCOT Impact Analysis: No budgetary impact; no impacts to ERCOT staffing; ERCOT system changes are captured in SCR766; no impacts to ERCOT business functions; no impacts to ERCOT grid operations and practices.

Revision Description: This NPRR clarifies language that supports system changes proposed in SCR766, Load Zone and Hub LMPs Distributed by ICCP (formerly “Load Zone Price Distributed by ICCP”). SCR766 should provide quicker distribution of the Load Zone prices and the Hub prices that are available with each SCED execution.

TAC Decision: On August 4, 2011, TAC unanimously voted to recommend approval of NPRR384 as recommended by PRS in the July 21, 2011 PRS Report.

The TAC Reports, Impact Analyses, and Cost Benefit Analyses (if applicable) for these Revision Requests are included in the ERCOT Board meeting materials which can found at the following link: <http://www.ercot.com/calendar/2011/09/20110920-BOD>.

In addition, these Revision Requests and supporting materials are posted on the ERCOT website at the following link: <http://www.ercot.com/mktrules/nprotocols/npr>.

Key Factors Influencing Issue:

PRS met, discussed the issues, and submitted reports to TAC regarding NPRRs 321, 348, 354,



358, 360, 374, 375, 380, 382, 383, and 384 described herein. TAC considered the issues and voted to take action on NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and 384 as described above.

Alternatives:

1. Approve the TAC recommendation on NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and/or 384, as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation on NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and/or 384;
3. Defer decision on the TAC recommendation on NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and/or 384; or
4. Remand NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and/or 384 to TAC with instructions.

Conclusion/Recommendation:

As more specifically described above, TAC recommends that the ERCOT Board approve NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and 384 as described herein.



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 Nodal Protocol Revision Requests (NPRRs):

- NPRR321 – Allow Change to Energy Offer Curve Megawatt (MW) Amounts in the Adjustment Period (formerly “Allow Change to Energy Offer Curve MW Amounts in the Adjustment Period for Qualifying Facilities”)
- NPRR348 – Generation Resource Start-Up and Shut-Down Process
- NPRR354 – Revisions to Non-Spin Performance Criteria Language and Provision for Inter-Control Center Communication Protocol (ICCP) Telemetry of Non-Spin Deployment
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- NPRR384 – Revisions to Support SCR766, Load Zone and Hub Location Marginal Prices (LMPs) Distributed by ICCP (formerly “Load Zone Price Distributed by ICCP”)

THEREFORE be it RESOLVED, that the ERCOT Board hereby approves NPRRs 321, 348, 354, 358, 360, 374, 375, 380, 382, 383, and 384.

CORPORATE SECRETARY’S CERTIFICATE

I, Bill Magness, Corporate Secretary of ERCOT, do hereby certify that, at its September 20, 2011 meeting, the ERCOT Board passed a motion approving the above Resolution by _____.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of September, 2011.

Bill Magness
Corporate Secretary