



Date: September 8, 2009
To: ERCOT Board of Directors
From: Mark Bruce, Technical Advisory Committee (TAC) Chairman
Subject: 2010 Commercially Significant Constraints (CSCs) and Congestion Zones

Issue for the ERCOT Board of Directors

ERCOT Board of Directors (ERCOT Board) Meeting Date: September 15, 2009

Agenda Item No.: 12d

Issue:

Designation of 2010 CSCs in the ERCOT transmission system and Transmission Congestion Zones.

Background/History:

Protocol Section 7.2.1, Process for Determining CSCs, states “CSCs and resulting Congestion Zones will be reassessed annually by November 1 of each year.” Board approval is required for the annual CSC and Congestion Zone designations.

The Congestion Management Working Group (CMWG), under the auspices of the Wholesale Market Subcommittee (WMS) and TAC studied this issue. ERCOT Staff provided the underlying analysis using the transmission topology for 2010 and the resulting load flow data to determine expected operating limits, candidate CSCs and associated constraints to be used in the designation of CSCs for 2010. The CMWG did not reach a unanimous recommendation for the 2010 CSCs and Congestion Zones and brought various proposals to WMS for consideration at its August 19, 2009 meeting. A motion to endorse the ERCOT Staff proposal, WN2-4Z, passed by WMS roll call vote with 95.1% in favor, 4.9% opposed and three (3) abstentions. There was one (1) opposing vote from the Municipal Market Segment and three (3) abstentions from the Investor Owned Utility (IOU), Consumer, and Independent Power Marketer (IPM) Market Segments. (For more information on the various proposals and the WMS roll call ballot, please see Key Documents posted for the August 19, 2009 WMS meeting <http://www.ercot.com/calendar/2009/08/20090819-WMS>).

At its September 3, 2009 meeting, TAC reviewed the WMS recommendation. A motion to endorse the WMS recommendation which is also the ERCOT Staff proposal, WN2-4Z, passed with one (1) abstention from the IOU Market Segment.

Key Factors Influencing Issue:

The TAC met and discussed the WMS recommendation for the 2010 CSCs and recommends Board approval of scenario WN2-4Z for the 2010 Congestion Zones and CSCs.

2010 CSCs:

- CSC#1 – West to North: Dynamic Stability Interface
- CSC#2 – South to North: Temple to Lake Creek; Temple Pecan Creek to Tradinghouse 345-



kV double circuit

- CSC#3 – North to South: Lake Creek to Temple; Tradinghouse to Temple Pecan Creek 345-kV double circuit
- CSC#4 – North to Houston: Singleton to Obrien; Singleton to TH Wharton 345-kV double circuit
- CSC#5 – North to West: Dynamic Stability Interface

The Dynamic Stability Interface is defined as the following six lines:

- Graham – Cook Field
- Jacksboro – Bowman
- Graham – Tonkawa
- Bowman – Graham
- Comanche Switch – Red Creek
- Graham – Long Creek

2010 Congestion Zones:

- 1 – West 2010
- 2 – North 2010
- 3 – Houston 2010
- 4 – South 2010

Attachment A includes a diagram of the 2010 CSCs as recommended by TAC and Attachment B includes the bus mappings related to the 2010 CSC recommendation.

Alternatives:

1. Approve the TAC recommendation regarding CSCs and Congestion Zones for 2010 as described above or as modified by the ERCOT Board;
2. Reject the TAC recommendation;
3. Defer decision on the TAC recommendation; or
4. Remand to TAC with instructions.

Conclusion/Recommendation:

As more specifically described above, TAC recommends that the Board approve the scenario WN2-4Z for 2010 CSCs and Congestion Zones.



ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC.
BOARD OF DIRECTORS RESOLUTION

WHEREAS, Protocol Section 7.2.1, Process for Determining CSCs, states “CSCs and resulting Congestion Zones will be reassessed annually by November 1 of each year,” and requires Board approval for the annual CSC and Congestion Zone designations; and

WHEREAS, on September 3, 2009, the TAC considered the WMS recommendation for the 2010 CSCs and Congestion Zones and voted to recommend approval by the Board of scenario WN2-4Z; and

WHEREAS, the Board deems it desirable and in ERCOT’s best interest to approve scenario WN2-4Z for the 2010 CSCs and Congestion Zones.

NOW, THEREFORE, BE IT RESOLVED, that the Board hereby approves the following 2010 CSCs and Congestion Zones:

2010 CSCs:

- CSC#1 – West to North: Dynamic Stability Interface
- CSC#2 – South to North: Temple to Lake Creek; Temple Pecan Creek to Tradinghouse 345-kV double circuit
- CSC#3 – North to South: Lake Creek to Temple; Tradinghouse to Temple Pecan Creek 345-kV double circuit
- CSC#4 – North to Houston: Singleton to Obrien; Singleton to TH Wharton 345-kV double circuit
- CSC#5 – North to West: Dynamic Stability Interface

2010 Congestion Zones:

- 1 – West 2010
- 2 – North 2010
- 3 – Houston 2010
- 4 – South 2010



CORPORATE SECRETARY'S CERTIFICATE

I, Michael G. Grable, Corporate Secretary of ERCOT, do hereby certify that, at its September 15, 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