NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Industry Advisory

Reliability Risk – Interconnection Frequency Response – (Revision 1)

Initial Distribution: February 11, 2010
Revision 1 Distribution: February 25, 2010

The handling level for this advisory has been updated to PUBLIC per (revision 1). This is the only change made to the advisory. Please use the appropriately marked copy and discard the version marked PRIVATE.

Why am I receiving this? >>
About NERC Alerts >>

Status:	**No Reporting is Required — For Information Only**
	PUBLIC: No Restrictions **More on handling >>**
Instructions:	NERC Advisories are designed to improve reliability by disseminating critical reliability information and are made available pursuant to Rule 810 of NERC's Rules of Procedure, for such use as your organization deems appropriate. **No particular response is necessary.** This NERC Advisory is not the same as a reliability standard, and your organization will not be subject to penalties for a failure to implement this Advisory. Additionally, issuance of this Advisory does not lower or otherwise alter the requirements of any approved Reliability Standard, or excuse the failure to follow the practices discussed in the Advisory if such failure constitutes a violation of a Reliability Standard.
Distribution:	Transmission Owners, Transmission Operators, Generation Owners, Generation Operators, Balancing Authorities, Reliability Coordinators, Load Serving Entities, and Distribution Providers **Who else will get this alert? >>** **What are my responsibilities? >>**
Primary Interest Groups:	Executive Leadership, Operations, SCADA, EMS, Compliance, Planning
Advisory:	This reliability advisory is intended to inform the electricity sector of significant concerns for bulk power system (BPS) reliability regarding interconnection frequency response. The advisory also describes the activities NERC and Regional Entities will undertake in 2010 to address these concerns. Please reference the background documentation for this advisory for details on the interconnection frequency response trending. NERC, working through the Resources Subcommittee, has identified a declining trend of

natural interconnection frequency response during the course of the last several years. Review of multiple loss of resource (generation) events continues to indicate a decline in Interconnection-wide frequency response that may translate to a decrease in bulk power system reliability. NERC will continue to work with affected stakeholders as well as support the on-going efforts by the Frequency Response Standard Drafting Team (FRSDT) to promote increased awareness and understanding of frequency response and develop any necessary changes to the NERC Reliability Standards.

ACTIONS FOR BALANCING AUTHORITIES

While this advisory is primarily intended to inform the electricity sector of a continuing decline in interconnection frequency response, NERC and the Regional Entities seek to broaden understanding and increase transparency by highlighting mitigation efforts for the interconnection frequency response trends, including the spot checks of Balancing Authorities under BAL-003 (see attached). Balancing Authorities are advised to review their compliance with these requirements, their own frequency response during system events, and their related procedures for selecting and dispatching generation to ensure adequate frequency response.

ES-ISAC RISK ASSESSMENT

The ES-ISAC estimates the risk to grid reliability from this reliability issue is MEDIUM, due to the observance of long-term degradation of interconnection frequency response of generation resources, the lack of effective, coordinated industry efforts to resolve the problem, and substantially lower interconnection frequency response for relatively small generation losses during load ramping.

Background: More Information >>

Please note that all inquiries regarding this advisory can be addressed to the following NERC Staff.

Contact:

Michael Moon
Director, Compliance Operations
609-524-7028 (office)
609-651-9693 (mobile)
michael.moon@nerc.net

Bob Cummings
Director, Events Analysis
609-524-7025 (office)
609-947-0103 (mobile)
Bob.Cummings@nerc.net

To report any incidents related to this alert, contact:
ES-ISAC 24-hour hotline
609.452.1422
esisac@nerc.com

A-2010-02-25-01

You have received this message because you are listed as the designated contact for your organization on the North American Electric Reliability Corporation's compliance registry. If believe you have received this message in error, please notify the sender immediately and delete or otherwise dispose of all occurrences or references to this e-mail. If you have questions about your membership in this list, please contact Chris Scheetz at NERC by calling 609.452.8060 or e-mailing Chris directly at: chris.scheetz@nerc.net.