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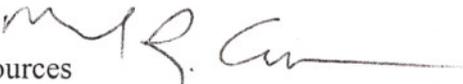
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MAY 05 2011

MEMORANDUM

To: Regional Director
Attention: PN-1000, MP-100, LC-1000, UC-100, GP-1000

From: Michael R. Gabaldon 
Director, Technical Resources

Subject: Revised Facilities Instructions, Standards, and Techniques (FIST) Volume 3-8,
"Operation Maintenance, and Field Test Procedures for Protective Relays and
Associated Circuits"

We are transmitting the revised FIST Volume 3-8, "Operation, Maintenance, and Field Test Procedures for Protective Relays and Associated Circuits" attached to this memorandum.

FIST Volume 3-8 has been the main source for implementing preventive maintenance for protection systems within the Bureau of Reclamation powerplants. FIST Volume 3-8 was originally published in 1991 and later revised in 2000; however, the document did not include information that was needed to perform maintenance on solid-state and microprocessor based relays. Also, the previous FIST Volume was not written to address regulatory requirements that were implemented over the past several years.

The provisions of this FIST should be implemented as soon as possible. However, since some of the required maintenance and testing practices and required intervals have been changed, full implementation of this FIST volume is not required until January 1, 2013.

In this new version of FIST Volume 3-8, the entire document has been reworked to take into account changes in technology, design practices, and regulations that directly affect the testing and maintenance of protection systems within Reclamation. Definite timelines have been established for maintenance and testing based on industry standards, technical references, and Reclamation best practices to meet mandatory reliability requirements. Additionally, the FIST Volume outlines the necessary maintenance that should be performed on each part of the protection system including several ways to perform the necessary maintenance based on equipment configuration, accessibility, and type of equipment to be maintained.

FIST Volumes may be accessed via the intranet at <http://intra.usbr.gov> by selecting "Power O&M" from the Quicklist, or via the internet at http://www.usbr.gov/power/data/fist_pub.html. As FIST Volumes are available on the intranet and the internet, only limited numbers of hard

copies will be available from the Hydropower Technical Services Group by request at 86-68440, or by contacting Jim Zeiger at 303-445-2300.

Attachment

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