

Memorandum

To: ISO Board of Governors
From: Keith Casey, Vice President of Market and Infrastructure Development
Date: March 19, 2015
Re: Transmission Maintenance Coordination Committee update

This memorandum does not require Board action.

EXECUTIVE SUMMARY

The Transmission Maintenance Coordination Committee (TMCC) met on October 16, 2014 and January 15, 2015. Following were the main topics discussed:

October 16, 2014

1. TMCC Membership replacement for SDG&E;
2. Presentation on the ISO energy imbalance market (EIM);
3. Critical infrastructure protection and physical substation security;

January 15, 2015

1. ISO outage coordination process and restricted maintenance
2. PG&E presentation on physical security
3. SCE presentation on IEEE's Draft Fall Protection Standard
4. Trans Bay Cable presentation on the Trans Bay Cable outage

The next regular scheduled TMCC meeting will be held on April 16, 2015 at the ISO Folsom Headquarters.

BACKGROUND

The TMCC is an advisory committee to ISO Management. TMCC membership includes one member representing each participating transmission owner with transmission facilities subject to the ISO transmission maintenance standards, two members representing organizations representing labor interests, five members representing other organizations, and the ISO vice president responsible for transmission maintenance, or his or her designee, who serves as the Chair of the TMCC.

Members of the TMCC perform duties specified in Appendix C to the transmission control agreement, including:

- Convey transmission facility maintenance related information to the ISO vice president responsible for transmission maintenance;
- Seek input from other participating transmission owners and interested stakeholders regarding the ISO transmission maintenance standards; and
- Review any proposed changes to the ISO transmission maintenance standards, submitted by the ISO, a participating transmission owner, or any interested stakeholder; and recommend revisions to the ISO transmission maintenance standards for submittal to the Board for decision.

SUMMARY OF TMCC RECENT ACTIVITIES - October 16, 2014

Decision on membership replacements for SDG&E:

Tyson Swetek, Manager of Substation Operations for San Diego Gas & Electric (SDG&E), was nominated by SDG&E to replace its current voting member, Katie Speirs, on the TMCC for the remainder of her 3 year term that expires on March 31, 2015. Stephen Rutty, the TMCC Acting Chair and ISO Director of Grid Assets, introduced the candidate stating his qualifications to be considered for nomination. Mr. Tyson Swetek was approved by a unanimous vote of the TMCC membership as a new member of the TMCC, with no objections noted.

ISO presentation on the ISO energy imbalance market:

Don Tretheway, Lead Market Design and Regulatory Policy Developer for the ISO, provided a presentation explaining the basics of the energy imbalance market. Mr. Tretheway explained the regional benefits as well as the basic operation of the new market. In addition, he noted that the market is currently operating in parallel with the existing market and is scheduled to go live on November 1, 2014.

Discussion on CIP and a review of the Notice of Proposed Rulemaking for CIP-014:

Mr. Rutty opened a discussion on the NERC CIP-014, physical substation security. Mr. Rutty asked those in attendance about the identification, implementation and third party validation identified in the standard. He was interested in hearing how the new regulations were affecting the TMCC membership organizations.

Topics of discussion included that finding staff to evaluate existing substations and implement the new standards is a significant challenge. Also it is difficult to determine when new facilities must meet the standard.

TMCC members also noted that the California Public Utilities Commission is drafting a security standard that would be applicable to all substations not just Bulk Electric System facilities. This bill was previously identified as California State Senate Bill 699.

SUMMARY OF TMCC RECENT ACTIVITIES - January 15, 2015

Outage coordination process and restricted maintenance (No touch):

Rod Wheeler, Gas and Electric Coordination Lead for the ISO, gave a presentation on outage scheduling and coordination. The presentation reviewed the current ISO outage scheduling rules and procedures. Some of the topics reviewed and discussed during the presentation were; the increased transmission notification requirements that went into place 2 years ago (from 3 days' notice to 8 days), hot line work and clearance requirements (8 days), and extending outage durations.

Mr. Wheeler also discussed the ISO's restricted maintenance procedures and which activities are allowed during these periods. The ISO asked TMCC members to review the scheduled transmission outage requirements and procedures and make recommendations to improve the process.

PG&E presentation on physical security:

Tom Prindiville, Senior Project Manager for Substation Security for PG&E, presented on PG&E's physical security efforts, highlighting some new physical security measures being implemented at various PG&E facilities. The current program is a 3 year program that includes new security measures at 19 separate 500kV and 230kV locations as well as the Grid Control Center.

SCE presentation on IEEE's Draft Fall Protection Standard:

Sam Stonerock, Corporate Representative for Southern California Edison, gave a presentation on the new IEEE Draft Standard for Fall Protection for Utility Work. Mr. Stonerock also discussed changes in revised Federal OSHA regulations concerning utility work and fall prevention/protection. The differences between fall arrest and fall prevention systems was discussed as well as the implications to existing PTO procedures and infrastructure design requirements. It was noted by many of the TMCC members that it is exceedingly difficult to comply with the Federal OSHA rules for the "first man up the pole".

Trans Bay Cable presentation on the Trans Bay Cable outage:

Steve Powell, Director of Operations for Trans Bay Cable, provided the TMCC an overview of the events surrounding the Trans Bay cable outage, due to an unauthorized anchor drop in the bay, and associated repair activities.