

Memorandum

To: ISO Board of Governors
From: Keith Casey, Vice President of Market and Infrastructure Development
Date: August 29, 2018
Re: Transmission Maintenance Coordination Committee update

This memorandum does not require Board action.

EXECUTIVE SUMMARY

The Transmission Maintenance Coordination Committee (TMCC) held conference calls on March 13, 2018 and June 13, 2018 and held an in-person meeting on April 19, 2018. The following were the main topics discussed:

March 13, 2018

1. Nominate and confirm TMCC members for four open positions.

April 19, 2018

1. Valley Electric Association presentation on Vista substation breaker fault;
2. Trans Bay Cable presentation on circuit breaker radiography;
3. California ISO update on congestion revenue rights auction efficiency analysis;
4. Review and approve revisions to Maintenance Procedure 2.

June 13, 2018

1. Nominate and confirm a TMCC member for one open position.

The next regular scheduled TMCC meeting will be held on October 16, 2018 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 ISO Board of Governors for decision.

Summary of March 13, 2018 conference call

The purpose of the conference call was to review nominations and confirm TMCC members for four positions. The members were appointed to serve on the TMCC until March 31, 2021. The open TMCC positions were filled by three existing members and one new member:

- Renewal – James Alligan, Project Director for NextEra Energy Transmission;
- Renewal – Bret Ball, Manager of Transmission Construction and Maintenance for San Diego Gas and Electric;
- Renewal – Tibor Foki, Senior Business Representative for International Brotherhood of Electrical Workers Local Union 47; and
- New – Charles Mee, Senior Utilities Engineer - Specialist for California Public Utilities Commission

Summary of April 19, 2018 meeting

Valley Electric Association presentation on Vista Substation Breaker Fault:

James Andresen, Assistant Manager of Operations for the Valley Electric Association (VEA), presented on the findings from a circuit breaker fault VEA experienced at their Vista Substation. Mr. Andresen explained that the line breaker at the station had relayed and locked out, then after the line was patrolled and no cause found the breaker was returned to service. Subsequent planned maintenance on the breaker uncovered that there was a burn hole on the throat shield, a burn mark on the inside of the bushing and evidence of arcing on the bushing thru rod.

Trans Bay Cable presentation on Circuit Breaker Radiography:

Michael Blunt, Operations Manager at Trans Bay Cable (TBC), presented on TBC's experience in supplementing traditional breaker maintenance with radiography inspection. Mr. Blunt explained that TBC has two SF6 Dead Tank Circuit Breakers that require maintenance on a 6 year cycle as per the manufacture's recommendations. The breakers seldom operate and may not require the intrusive maintenance specified by the manufacturer. TBC sees reduced maintenance costs and less downtime resulting from radiography inspections, but as the manufacture does not yet offer support or specifications for radiography inspections, TBC only uses radiography inspections to supplement their regular maintenance program.

California ISO update on Congestion Revenue Rights Auction Efficiency Analysis:

Perry Servedio, Lead Market Design Policy Developer at the California ISO, presented on the actions being taken by the ISO in addressing the issues outlined in the Congestion Revenue Rights (CRR) Auction Efficiency Analysis report. Mr. Servedio explained the scope of the 4 tracks being pursued and their target dates for completion. He reviewed the proposed requirements for the annual reporting of planned outages and explained that the ISO also proposed to refine the reporting requirements to only include the types of outages that impact the CRR model.

ISO Transmission Maintenance Standards:

Chris Hillman, Lead Grid Asset Engineer at the California ISO, reviewed the proposed revisions to the Transmission Maintenance Standards Procedure 2 – Outage Data File Format and the revisions were unanimously approved.

Summary of June 13, 2018 conference call

The purpose of the conference call was to review Los Angeles Department of Water and Power's nomination to fill an open position on the TMCC. The nomination was approved and Jason Le, Electrical Engineering Associate II, was appointed to serve on the TMCC through March 31, 2021.