

Memorandum

To: ISO Board of Governors
From: Neil Millar, Vice President of Infrastructure and Operations Planning
Date: December 7, 2022
Re: Transmission Maintenance Coordination Committee update

This memorandum does not require ISO Board of Governors action.

EXECUTIVE SUMMARY

The Transmission Maintenance Coordination Committee (TMCC) held a teleconference meeting on July 21, 2022, and an in-person meeting on October 20, 2022. The following were the main topics discussed:

July 21, 2022

- TMCC approval to update to Transmission Maintenance Procedure No. 1

October 20, 2022

- California ISO's 2022 Heat Wave Ranking Analysis
- Infrared and corona inspection effectiveness
- Transmission line inspection frequencies
- NERC reliability standards, CIP and compliance

The next regularly scheduled TMCC meeting will be held on January 19, 2023, at the ISO headquarters.

BACKGROUND

The TMCC is an advisory committee to ISO management. TMCC membership includes one member representing each participating transmission owner (PTO) with transmission facilities subject to the ISO transmission maintenance standards, two members representing organizations that represent labor interests, five members representing other organizations, and the ISO Vice President of Infrastructure and Operations Planning, 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 focused on maintaining the availability of transmission facilities, including:

- Conveying transmission facility maintenance-related information to the ISO Vice President of Infrastructure and Operations Planning;
- Seeking input from participating transmission owners and interested stakeholders regarding the transmission maintenance standards; and
- Reviewing any proposed changes to the transmission maintenance standards submitted by the ISO, a participating transmission owner, or any interested stakeholder; and recommending revisions to the standards for submittal to the ISO Board of Governors for decision.

Summary of July 21, 2022, teleconference

TMCC approval to update Transmission Maintenance Procedure No. 1:

Chris Hillman, ISO Senior Advisor of Transmission Assets, provided an overview of the TMCC membership's proposed revisions to the Transmission Maintenance Procedure No.1 regarding annual reporting requirements. These revisions entail a new section to be added to the procedure that outlines measures to help participating transmission owners meet required reporting timelines and establish a formal escalation process in the event a reporting timeline is missed. These revisions, initially discussed and tentatively agreed to by the TMCC members at the April 21, 2022, TMCC meeting, were unanimously approved by the TMCC membership at the July 21, 2022, teleconference meeting.

Summary of October 20, 2022, meeting

California ISO's 2022 Heat Wave Ranking Analysis

Bob Emmert, ISO Senior Manager of Interconnection Resources, provided an overview of the September 2022 heat wave across the ISO system and how it compares with historical heat events over the last 28 years. Mr. Emmert noted that on September 6, 2022 the CAISO Balancing Authority Area experienced the 4th highest daily aggregate heat index, the highest during a weekday, and set a new hourly average MW usage record of 51,479 MW, surpassing the all-time peak from 2006.

Infrared and Corona inspection Effectiveness:

Maria Ly and Issam El Ayadi, Pacific Gas and Electric's representatives, and Alan Hernandez, Southern California Edison's representative, presented on their respective infrared and corona inspections practices. These presentations included discussions on the frequency of the inspections, methodologies used and conditions needed to conduct them and typical maintenance items discovered during the inspections. These presentations

prompted further discussion among the TMCC membership on the overall effectiveness of infrared and corona inspections and what actions can be taken to improve the quality the test results.

Transmission Line Inspection Frequencies

Maria Ly and Alan Hernandez presented on their respective transmission line inspection programs including types and frequencies of inspections. These presentations prompted further discussions among the TMCC membership on their respective transmission line inspection practices.

North American Electric Reliability Corporation (NERC) Reliability Standards, CIP and Compliance:

Scott Vaughan, ISO Manager of Transmission Assets, briefly discussed recent NERC reports analyzing system-wide loss of inverter-based resources in both Texas and California. Mr. Vaughan also provided a general overview of the ISO's internal analysis of outages of the inverter-based resources.