

January 19, 2023

TRANSMISSION MAINTENANCE COORDINATION COMMITTEE (TMCC) MINUTES - October 20, 2022 Webex

Steve Ruty, Acting Chairperson of the Transmission Maintenance Coordination Committee (TMCC), called the meeting to order at approximately 10:00 a.m.

ATTENDANCE

The following TMCC members attended:

James Alligan (NextEra Energy Transmission)
Monica Curry (San Diego Gas & Electric (SDG&E))
Jed Ferguson (Valley Electric Association (VEA))
Tibor Foki (International Brotherhood of Electrical Workers Local Union 47 (IBEW 47))
David Hahn (Western Area Power Administration (WAPA))
Alan Hernandez (Southern California Edison (SCE))
Maria Ly (Pacific Gas & Electric (PG&E))
Tyler Brun (Pacific Gas & Electric (PG&E))
Issam El Ayadi (Pacific Gas & Electric (PG&E))
Charles Mee (California Public Utilities Commission (CPUC))
Steve Ruty (California Independent System Operator Corporation (CAISO)) – Acting Chairperson
Jim Useldinger (GridLiance West Transco (GWT))
Ethan Stonecipher (International Brotherhood of Electrical Workers Local Union 1245 (IBEW 1245))

The following TMCC members were not in attendance:

The following members of the public were in attendance:

Scott Vaughan (CAISO)

The following agenda items were addressed:

Opening Comments:

Tibor Foki, IBEW 47 Senior Business Representative, began a discussion on current industry news. The discussion focused on the following points;

- Electric Vehicles and Grid Integration

Great ShakeOut Drill:

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Decision on 1/20/2022 General Session Minutes:

The April 21, 2022 meeting minutes were reviewed and approved.

Decision on 3/22/2022 General Session Minutes:

The July 21, 2022 meeting minutes were reviewed and approved.

CAISO 2022 Heat Wave 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.

Due to meeting time constraints, presentations and discussion on substation inspection types and frequencies was tabled until the next TMCC meeting scheduled for January, 2023.

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.

Open discussion items:

David Hahn of the Western Area Power Administration (WAPA) asked members about their insulator washing practices and whether they had reviewed a recent EPRI paper on the topic.

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James Alligan of NextEra Energy Transmission was asked about NextEra's Florida hurricane preparation and response.

Maria Ly asked members about their preparation and implementation of FERC's Order 881, ambient adjusted ratings. Ms. Ly noted that she was interested in the evaluation and rating methodologies being implemented by other members.

New Business Issues and Future Agenda Items:

Steve Rutty asked the members to work with the CAISO over the next few months to decide which topics they would like to discuss at the next TMCC meeting. Suggestions provided at the meeting included;

- Substation Infrared and corona inspection effectiveness
- NextEra hurricane preparation and response
- Implementation of ambient adjusted equipment ratings, FERC 881
- Insulator cleaning practices including maintenance programs and procedures
- Inspection and maintenance of Gas Insulated Switchgear (GIS)

TMCC MEMBER ACTION ITEMS

- ISO will draft the minutes for this meeting and post as a document for the January 2022 TMCC meeting;
- ISO will post the approved minutes for the April and July 2022 TMCC meeting on the ISO website;

The meeting was adjourned with no objections noted.