January 15, 2026

TRANSMISSION MAINTENANCE COORDINATION COMMITTEE (TMCC) MINUTES
January 15, 2026
In person and Webex

Scott Vaughan, Acting Chairperson of the Transmission Maintenance Coordination Committee (TMCC), called the meeting to order at approximately 9:10 a.m.

ATTENDANCE

The following TMCC members attended:

Alan Hernandez (Southern California Edison (SCE))
Charles Mee (California Public Utilities Commission (CPUC))
Christian Henderson (San Diego Gas & Electric (SDG&E))
Ethan Stonecipher (International Brotherhood of Electrical Workers Local Union 1245 (IBEW 1245))
Issam El Ayadi (Pacific Gas & Electric(PG&E))
Jed Ferguson (Valley Electric Association)
Michael Blunt (Trans Bay Cable)
Ross Hohlt (DesertLink)
Scott Vaughan (CAISO)
Tibor Foki (International Brotherhood of Electrical Workers Local Union 47 (IBEW 47))

The following TMCC members were not in attendance:
Dave Hahn (Western Area Power Administration (WASN))
Jim Useldinger (GridLiance West Transco (GWT))

The following members of the public were in attendance:

Adalberto Baca-Chavez (CAISO)
Alexandre Veilleux (NextEra)
Alfredo Osguera (WAPA)
Brittany Beston (PG&E)
Buster Brown
Colin Clark (Pattern Energy)
Eric Pavlowski (NextEra)
Evan Duffy (PG&E)
Henry Rodriguez (SCE)
Joeseph Grzeczka (WAPA)
Karla Villa (SCE)
Kingsley Tenjoh (CAISO)
Mario Acosta

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Matthew Eck (LS POWER)
Monica Curry (SDG&E)
Nicholas Sette
Nikki Chamberlain (SCE)
Oscar Mejia
Pablo Sanchez (Pattern Energy)
Parikshat Pathak (CAISO)
Paul Roller (SCE)
Ray Li (Pattern Energy)
Rod Tshunza (CAISO)
Ryan Logan (Pattern Energy)
Steve Nunez (SCE)
Tad Kinyon (Pattern Energy)

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;

- Renewable goals and emission reductions

Decision on 10/16/2025 TMCC meeting Minutes:

The Octboer 16, 2025 meeting minutes were reviewed and approved.

SunZia's HVDC Transmission Line and System

Tad Kinyon, Facility Manager HVDC & Transmission, presented an overview of SunZia's 500kV HVDC transmission line and converter station. The SunZia line is a 550-mile high-voltage direct current (HVDC) transmission system designed to transport 3,000 MW of wind energy from New Mexico to Arizona. It utilizes Voltage Source Converter technology at a DC voltage of 525 kV and is configured as a bipole system with 2,149 structures and a dedicated metallic return. The infrastructure includes massive converter stations with valve halls that utilize 4,584 Bi-mode Insulated Gate Transistor (BIGT) cells to manage power flow. To ensure system stability, the project features AC Choppers at the sending end that act as dynamic braking resistors, absorbing excess energy during faults to prevent DC voltage spikes. The entire network is managed by a redundant Hitachi MACH control system, allowing for flexible operations like monopolar mode if one pole is out of service.

Modeling for Risk Prediction and Asset Management

Issam El Ayadi, Pacific Gas and Electric (PG&E) Senior Director, Transmission Line and Substation Asset Management and Standards presented an overview of Transmission Asset Management Risk

Matrices. PG&E's TAM strategy relies on risk matrices to prioritize maintenance and capital investments across its 18,000 miles of circuits and 970 substations. The system uses a "risk bowtie" framework to identify failure drivers such as natural hazards or equipment fatigue and map them to specific mitigation controls. A key component is the Transmission Composite Model (TCM), which calculates the probability of failure by combining hazard intensity curves with asset fragility curves based on age and condition. Consequence is measured through spatial modeling, including wildfire consequence pixels and a public safety activity index derived from cellphone data. These models directly inform proactive work, such as targeting older copper conductors that are highly susceptible to vibration and fatigue failures.

Artificial Intelligence (AI) for Storm Response and Preparation

Evan Duffey, Pacific Gas and Electric (PG&E), presented on PG&E's weather modeling and prediction capabilities with AI and machine learning models. The demo presentation detailed PG&E's integration of machine learning to enhance weather forecasting accuracy across its service territory, specifically leveraging data from approximately 1,600 weather stations to address the limitations of traditional numerical models that often fail to directly model localized wind gusts or account for California's complex terrain. By applying proprietary machine learning adjustments to historical data, the utility has developed site-specific point forecasts and dynamic gust factors that provide critical situational awareness in high fire-risk areas where Public Safety Power Shutoff (PSPS) events are frequently evaluated. Beyond point forecasts, PG&E generates daily maximum gust grids to visualize terrain-driven patterns, while also exploring a major industry shift toward AI models that rely on pattern recognition to produce forecasts significantly faster and cheaper than physics-based approaches. The models use new H3 hexagonal spatial framework for Fire Potential Index (FPI) to improve granularity from 4km^2 to 0.7km^2.

Maintenance Deferral Procedure

Parikshat Pathak, CAISO Lead Transmission Assets Engineer, presented on proposed changes to Maintenance Procedure 4 involving deferral of planned and unplanned maintenance by PTOs. The presentation included a high level description of Procedure 4 contents, reasons behind the proposed changes, and clarifications to request and response times.

Open discussion items:

The meeting included open and future discussion items:

Tibor Foki led a discussion on current industry news.

Future discussion items were identified as:

- Additional discussions and presentations on circuit breaker Radiography program by PG&E

The meeting was adjourned at approximately 13:00 with no objections noted.