

# **TRANSMISSION MAINTENANCE COORDINATION COMMITTEE (TMCC) MINUTES**

## **January 17, 2019**

### **Meeting from the ISO Headquarters Folsom, California**

---

Steve Ruty, Acting Chairperson of the Transmission Maintenance Coordination Committee (TMCC), called the meeting to order at approximately 9:30 a.m.

#### **ATTENDANCE**

##### ***The following TMCC members attended:***

James Alligan (NextEra Energy Transmission)  
J. Bret Ball (San Diego Gas & Electric (SDG&E))  
Tibor Foki (International Brotherhood of Electrical Workers Local Union 47 (IBEW 47))  
David Hahn (Western Area Power Administration (WAPA))  
Jason Le (Los Angeles Department of Water & Power (LADWP))  
Landis Marttila (International Brotherhood of Electrical Workers Local Union 1245 (IBEW 1245))  
Roni Mejia (Southern California Edison (SCE))  
Steve Ruty (California Independent System Operator Corporation (CAISO)) – Acting Chairperson  
Chris Spencer (PacifiCorp)  
Jim Useldinger (GridLiance West Transco (GWT))  
Tom Wright Jr. (Pacific Gas & Electric (PG&E))

##### ***The following TMCC members were not in attendance:***

James Andresen (Valley Electric Association (VEA))  
Charles Mee (California Public Utilities Commission (CPUC))  
Jamie Patterson (California Energy Commission (CEC))

##### ***The following members of the public were in attendance:***

Lou Fonte (CAISO)  
Andrew Gazdziak (SDG&E)  
Chris Hillman (CAISO)  
Fidel Leon Diaz (Public Advocates Office)  
Kevin Meager (Trans Bay Cable (TBC))  
Scott Vaughan (CAISO)

The following agenda items were addressed:

***Opening Comments:***

Tibor Foki (IBEW 47) began a discussion on current industry news. The discussion focused on the following points;

- San Onofre clean up
- Camp Fire impacts
- Inverse condemnation
- Wildfire prevention options

***Decision on 10/16/18 General Session Minutes:***

The October 16, 2018 meeting minutes were reviewed and approved with a correction in the spelling of Spencer.

***SDG&E presentation on Wildfire Preparedness:***

Andrew Gazdziak, of SDG&E, presented on the system design, construction, operations and maintenance changes that SDG&E have implemented to assist in wildfire preparedness. Andrew explained that SDG&E had mapped their entire system based on fire risk and is investing in infrastructure projects and programs aimed at hardening lines located in High Fire Threat Districts (HFTD). SDG&E has automated all reclosers on circuits located within the HFTD and installed the capability for sensitive profile and sensitive ground fault protection. SDG&E have implemented a corrective maintenance program and a QA/QC inspection and repair program that is above and beyond their routine compliance program. An aggressive vegetation management program has resulted in a 90% reduction in tree-related outages since 1996.

Andrew further described measures SDG&E has taken in situational awareness to monitor wildfire risk. SDG&E operates America's largest utility-owned weather network that provides temperature, humidity and wind speed readings every 10 minutes and HD cameras to improve fire detection. SDG&E has developed a Fire Potential Index to communicate the wildfire potential on a given day and produces a daily seven day forecast. In addition, SDG&E utilizes the Santa Ana Wildfire Threat Index and Wildfire Risk Reduction Modeling to assess the wildfire risk.

***CRR auction efficiency update:***

Chris Hillman, of the CAISO, provided a brief update on the current status of the CRR auction efficiency initiative and changes that impact transmission maintenance outage scheduling.

***TMCC membership terms expiring:***

Chris Hillman, of the CAISO, informed the membership that five members terms are expiring on March 31, 2019. Chris stated he would reach out to the members with expiring terms to solicit nominations for membership.

**NERC Reliability Standards and compliance processing:**

The discussion focused on the following points;

- WECC auditors were focused on processes and procedures, and process controls.
- CAISO updated the membership on momentary sensation issues with some inverters

**Briefing on major grid events:**

PG&E discussed the impact to their system resulting from a recent storm. At the peak there were approximately 120,000 customers out of power largely due to distribution related outages resulting from the high winds associated with the storm.

NextEra has made an offer to purchase Trans Bay Cable which is undergoing the approval process.

**Open discussion items:**

The discussion focused on the following points;

- GridLiance is investigating adopting a maintenance management software platform. LADWP and WAPA SNR are currently using MAXIMO, while other PTOs have SAP based or custom maintenance platforms.
- The CAISO is updating its Generator Interconnection Agreement to address issues with inverter based resources.
- Battery storage projects

**New Business Issues and Future Agenda Items:**

Steve Ruddy 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 SB 901 updates and potential ISO process changes, understanding of impacts to availability that could result from wildfire mitigation plans and CPUC presentation on the Electric Vehicle charging program.

**TMCC MEMBER ACTION ITEMS**

- ISO will draft the minutes for this meeting and post as a document for the April 18, 2019 TMCC meeting;
- ISO will post the minutes approved for the October 16, 2018 TMCC meeting on the ISO website;

The meeting was adjourned with no objections noted.