

Southern California Edison
2022-WMPs – 2022 Wildfire Mitigation Plan Updates

DATA REQUEST SET M G R A - S C E - 0 0 2

To: MGRA

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Response Date: 3/9/2022

Question 11:

SCE states that it “actively disseminates findings from its research projects and policy recommendations through industry conferences and publishing the work in technical journals.” (p. 80) Please provide a list of publications by SCE and its staff referenced in this statement.

Response to Question 11:

SCE publishes in multiple technical journals. From 2020 to the present date some of the publications are included below in the listed digital/print publications and conference proceedings. SCE staff can be found in the bylines.

- **CIGRE Canada Conference**
 - “Hardware-In-the-Loop Testing of Transient Ground Fault Detection Function for Wildfire Mitigation Applications” (Oct. 2020)
- **IEEE/PES (Institute of Electrical and Electronics Engineers’ Power & Energy Society) Transmission and Distribution Conference and Exposition**
 - “12kV Covered Conductor Testing” (Oct. 2020)
 - “Study of End Point Voltage Measurements on Distribution Systems for Avoiding Open or Falling Conductors from Evolving to Ground Faults and Wildfire Ignitions” (Anticipated Apr. 2022)
- **IEEE PES Publications**
 - “Testing the Increased Sensitivity and Energy Reduction of a Ground Fault Neutralizer for Wildfire Mitigation” (Anticipated Jul. 2022)
- **IEEE Transactions on Power Delivery**
 - “Resonant Grounded Isolation Transformers to Prevent Ignitions From Powerline Faults” (Vol. 36, No. 4, Aug. 2021)
- **Jodie Lane National Conference**
 - “Ground Fault Neutralizers to Reduce Electrical Hazards from Single Phase-to-Ground Faults” (Nov. 2020)
- **NEMA (National Electrical Manufacturers Association) Magazine**
 - “Coming to America: The Ground Fault Neutralizer” (Vol. 26, No. 1, Jan/Feb. 2021)
- **SES & technologies ltd. Users Group Conference Proceedings**
 - “Balancing Charging Current on Three Wire Circuits with Capacitive Balancing Units Injecting Continuous Current into Grounding Electrodes” (Jun. 2021)

- **T&D World Magazine**
 - “Wildfire Mitigation: SCE’s Approach to Isolating Ground Faults” (Aug. 2020)
 - “Heading Off Southern California Wildfires: Distribution Open Phase Detection” (Jan. 2022)
- **T&D World Wildfire & Risk Mitigation**
 - Webinar: *SCE's Approach to Isolating Ground Faults* (Dec. 2020)
- **The Western Protective Relay Conference**
 - “Rapid Ground Fault Detection in Compensated-Grounded Systems: Design and Testing” (Oct. 2020)
 - “A Proposed Scheme to Protect Transformer Bank and Arc Suppression Coil in Compensated-Grounded Distribution Systems” (Oct. 2021)
- **Western Energy Institute Conference**
 - “Wildfire Mitigation, Protection, and System Grounding Discussion” (Apr. 2021)