



Marcia Eblen

Electrical Safety Consultant, Professional Engineer

Marcia Eblen began her career as an electrical engineer encompassing nuclear power plant design and maintenance, high voltage and high-power laboratory testing, arc flash hazard modeling and assessments, and arc flash training and testing.

Before joining e-Hazard, Marcia served 30 years at Pacific Gas & Electric in a variety of leadership positions. Most recently she served as Technical Leader for the Arc Flash Program, FR Clothing Program, and Electrical Contact Incident Investigations. She is an active member of several ASTM, IEC and IEEE committees and has authored IEEE and EPRI publications on arc flash testing.

Career Highlights

e-Hazard **2013-Present**
 Electrical Safety Consultant

PACIFIC GAS & ELECTRIC **1982-2013**
 San Ramon, California

Electrical Contact Incident Investigations-Technical Leader 2005

- Served as technical lead for all electrical contact incident investigations to determine the event timeline, employee action replication, and FR clothing performance.

FR Clothing Program-Technical Leader 2005

- Developed procedural methodologies for all PG&E departments FR clothing program to be compliant with draft OSHA 1910.269 guidelines.

Arc Flash Program-Technical/ Program-Test Leader 2005

- Developed methodology and specifications for performing arc flash hazard calculations for all departments (T&D line, Substation, Power Generation, Gas Transmission, and Metering). Personally conducted walk-downs at 40 hydro powerhouses and performed arc flash hazard modeling and assessments.

Publications **2009-Present**

- "Surprising Ratings of Arc-Rated Clothing Obtained from a Major Online Vendor," Marcia L. Eblen, Tom A. Short, IEEE IAS Electrical Safety Workshop 10.1109/ESW49992.2023.10188360.
- "Low Voltage ARC Sustainability," Marcia L. Eblen, Tom A. Short, Industry Applications IEEE Transactions, vol. 54, pp. 2934-2946, 2018, ISSN 0093-9994.
- "Medium-Voltage Arc Flash Switchgear and Live-Front Transformers," Marcia L. Eblen; Tom A. Short; Wei-Jen Lee, IEEE Transactions on Industry Applications, Volume: 52, Issue: 6, Nov/Dec 2016, pp. 5280 – 5288.

Snapshot

Focus

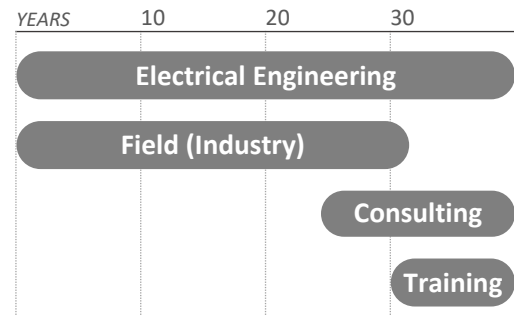
TRAINING

- Low Voltage
- High Voltage
- Utilities
- Customized

SERVICES

- Consulting

Career Experience Timeline



Education

University of Colorado at Boulder,
 Boulder, CO

B.S., *Electrical Engineering*

Licenses & Professional Memberships

Licensed Professional Engineer,
 California

Institute of Electrical and Electronics Engineers (IEEE), Member

National Electric Safety Code (NESC)- Sub Committee 8,
 Primary Consultant and Author

American Society for Testing Materials (ASTM), Member