

## John Mason, PE, CESP

### Professional Engineer and Consultant

- In-depth understanding and experience in developing protective device settings, short circuit calculations, device duty calculations, and performing arc flash hazard analysis
- Extensive experience performing Acceptance, Maintenance, and Commissioning of Electrical Distribution Equipment
- Easily interpret schematics, drawings and blueprints to determine maintenance planning needs, lockout/tagout requirements, and direct electrical maintenance crews

### Professional Experience

*e-Hazard Management LLC – Louisville, KY* *Sept. 2016-Present*

- Electrical workplace safety training and consulting

*Power Protection Engineering – Folsom, CA* *Nov. 2015-Present*  
*Owner/Engineer*

- Provide consulting services to electrical contractors, facilities managers, and building owners to improve overall electrical distribution system coordination, equipment protection, and reduce incident energy by developing tailored protective device settings
- Evaluate equipment by calculating short circuit currents, interrupting duties, and performing load flow studies
- Provide recommendations to correct equipment deficiencies and improve performance
- Build client relationships and conduct activities that drive new business through marketing campaigns, website improvements, and participating in industry events
- Write detailed plans and method of procedures (MOP) to ensure smooth execution of complex projects

*Apparatus Testing and Engineering – Rancho Cordova, CA* *Dec. 2011-Nov. 2015*  
*Field Engineer/Engineer*

- Performed short circuit, coordination, arc flash, and load flow studies on many different types of facilities across California
- Made recommendations for correcting equipment deficiencies, improving coordination, and reducing incident energy
- Coordinated and performed acceptance and maintenance testing of low, medium, and high voltage electrical distribution equipment, including but not limited to: differential relays, bus differential relays, overcurrent/instantaneous relays, CT's, CPT's, PT's, transformers, SF6 circuit breakers, circuit switchers, vacuum breakers, low voltage circuit breakers
- Provided recommendations on maintenance practices, maintenance intervals, and testing requirements for various distribution equipment

## CURRICULUM VITAE

*Apparatus Testing and Engineering – Rancho Cordova, CA*  
*Intern/Field Engineer*

*Aug. 2009-Dec. 2011*

- Gathered and reviewed information pertaining to the development of short circuit, coordination, arc flash, load flow, and motor starting studies
- Implemented protective device settings and performed maintenance and acceptance testing of electrical distribution equipment

### Education

Bachelor of Science – Mechanical Engineering  
California State University Sacramento, Sacramento, CA.

### Professional Licenses & Certifications

- CA Registered Professional Engineer – Electrical  
License #: E21226
- NFPA (National Fire Protection Association) Certified Electrical Safety Compliance Professional  
Certification #: CEMCP-186-16
- e-Hazard Train the Trainer Graduate LV/HV
- NETA (International Electrical Testing Association) Level 3  
Certification #: 13-3-7656720 \*  
\*This certification expired when I left Apparatus Testing and Engineering.