

## EDWIN R. KAHLER, PE

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### EDUCATION AND PROFESSIONAL

Professional Electrical Engineer, California License #10110  
BSEE Washington State University

### SUMMARY

As Vice President and Chief Technical Officer for Kahler Engineering Inc, Mr. Kahler brings an extensive amount of experience from his 26 years of employment at PG&E, and 10 years of owning his own engineering consulting firm. His past and current work includes electrical, I&C, and mechanical engineering, project management, and work on fossil and nuclear power plant designs, Arc Flash analysis, NFPA 70E program development and compliance for multiple PG&E departments, supervisor of Quality Control Program Group, Nuclear Quality Assurance, Decommissioning, and numerous Commercial Grade Items.

### ELECTRICAL ENGINEERING EXPERIENCE

**Kahler Engineering Inc.,** Vice President and Chief Technical Officer *(June 1999- Present)*

Under contract with PG&E's Humboldt Bay Power Plant, provides electrical engineering, I&C engineering, mechanical engineering and project management services to PG&E. Services include design development and reviews in the above areas for existing fossil and nuclear (no longer operating) and new fossil power plant designs for PG&E Power Generation Department, and expert consultation on Arc Flash analysis, including NFPA 70E program development and compliance for multiple PG&E Departments.

**Pacific Gas & Electric Company,** Supervisor, Equipment Qualification Group *(1988-1991)*

Responsible for maintaining 10CFR50.49 qualification of electrical and I&C equipment at Diablo Canyon Nuclear Power Plant Supervised 4 engineers.

**Pacific Gas & Electric Company,** Supervisor, Engineering Quality Control Program Group, *(1981-1988)*

Responsible for technical audit of engineering work for conformance to design criteria. Supervised 20 engineers.

**Pacific Gas & Electric Company,** Electrical Engineer *(1977-1981)*

Responsible for electrical power distribution and control systems for various projects including; Los Medanos Natural Gas Storage Facility designed for NEC hazardous duty; Abatement systems at various Geysers Power Plants; Main generator and isophase bus replacement at Antioch PP; 115Kv switchyard modifications at various power plants

**Pacific Gas & Electric Company,** Electrical Engineer *(1975-1977)*

Responsible for seismic qualification of electrical equipment and systems upgrades at Humboldt Bay Nuclear Power Plant

## NUCLEAR QUALITY ASSURANCE EXPERIENCE

**Pacific Gas & Electric Company**, Supervisor, Engineering Quality Control Program Group, (1981-1988)  
Responsible to develop and maintain procedures and programs for the Engineering Department to implement a 10CFR50 Appendix B quality assurance program, including auditing for conformance to procedures, Vice chairman QA committee to rewrite PG&Es QA program, interface with regulators on design and procurement issues. Supervised 20 engineers.

## COMMERCIAL GRADE ITEMS

**Pacific Gas & Electric Company**, (1985) Developed Commercial Grade Item Dedication Program for PG&E.

**Pacific Gas & Electric Company**, Supervisor, CGI Dedication Group (1988-1994)  
A multi-discipline group performing technical evaluations and developing dedication packages for new and replacement items, significant items include a fastener consolidation program, 10 Mwe emergency diesel generator set, SF6-4Kv breakers. Supervised 28 engineers

**Kahler Engineering Inc.**, (1998-2000)

Under contract to XWEST to assist in development and implementation of a CGI Program and equipment dedication packages for the DOE Spent Nuclear Fuels Project at Hanford Reservation.

## DECOMMISSIONING EXPERIENCE

**Pacific Gas & Electric Company**, Decommissioning Projects Manager, Humboldt Bay Power Plant (HBPP) (1994-1999) Implemented study and recommendation to Management to proceed with decommissioning HBPP. Decommissioning Projects Manager include developing and implementing a plan to repair escalating groundwater in-leakage to in ground containment structure; removal of a 250 foot, contaminated, concrete ventilation stack; performed site and background radiological survey to MARSIM standard. Supervised 120 craft and engineering personnel at peak man loading.

**Kahler Engineering Inc.**, (1999- Present)

Under contract to PG&E to develop technical portions of Dry Cask Storage System procurement specification and contract, and provide electrical design review and electrical engineering support for all decommissioning activities.

## INDUSTRY AFFILIATIONS

ASME NQA-1, Design and Procurement Working Group 1985 – 1994  
EPRI CGI Dedication Standards Committees (EPRI NP-5652, etc) 1988-1994  
EPRI Joint Utility Task Group on CGI 1988-1994  
EPRI First Use Environmental Qualification Committee 1989-1990  
NEI Decommissioning Licensing Committee 1994-1999  
EPRI D&D Steering Committee 1994-1999  
ANS D&D Standards Committee 1998-Present