
KEENE M. MATSUDA, P.E.

Education:

B.S., Electrical Engineering,
University of California at
Berkeley, 1981

Professional Registration:

Professional Electrical
Engineer: California, Hawaii,
Oregon, Washington, Arizona,
New York, Florida, and
Nevada (inactive).

Professional Associations:

- IEEE Senior Member
- PES Governing Board,
Region Rep, R1-7 (1992-2003)
- Technical Editor, *IEEE
Power & Energy Magazine*
- PES Technical Committees:
Distributed Generation, and
Lightning Protection for
Transmission & Distribution
Lines
- UC Berkeley Engineering
Alumni Society, President
- Eta Kappa Nu (electrical
engineering honor society)

BACKGROUND:

Mr. Matsuda is a registered professional engineer with 28 years of extensive experience in the design of electrical power distribution systems for a wide variety of utility, industrial, aviation, energy, institutional, and health care types of project. His particular expertise includes medium and high voltage substations, low voltage distribution networks, grounding systems, lightning protection systems, engine/generator and cogeneration power plants, water and wastewater treatment plants, pumping stations, instrumentation and controls, SCADA, fire alarm, CCTV, security, telecommunications system, parking lot and area lighting, roadway and tunnel lighting, mass transit rail systems, grade separations, intelligent transportation systems, and airport runway and taxiway lighting, signage and aircraft navigational aids. In addition, he has experience in solar photovoltaic research and solar insolation monitoring, and transmission system planning and stability analysis for the 500/230/115/60 kV transmission systems throughout the Western Systems Coordinating Council network.

Mr. Matsuda uses sophisticated computer software to perform power systems analysis by modeling the system in order to calculate load flow, short circuit, equipment sizing, motor starting, and coordination studies for relay and circuit breaker settings. In addition, he uses photometric analysis software for lighting design and layouts. In conjunction with the preparation of electrical design and construction drawings, he prepares electrical equipment and installation specifications, and electrical construction cost estimates. During construction activities, he reviews electrical equipment submittals/shop drawings, requests for information, change order requests, and performs on-site inspection of electrical work in progress.

EMPLOYMENT HISTORY:

Black & Veatch

December 4, 2006 to Present
Regional Electrical Manager, Senior Electrical Engineer
Global Engineering Services Department, Water Business Group
Irvine, California

CH2M Hill

August 29, 2001 to December 1, 2006
Senior Electrical Technologist
Engineering Design Group
Santa Ana, California

PB Power (Parsons Brinckerhoff Inc.)

October 10, 1988 to August 3, 2001
Assistant Vice President, Chief Electrical Engineer
PB Power, Energy Systems Group
San Francisco, California, and New York, New York

Pacific Gas & Electric Company

June 29, 1981 to September 23, 1988
Electrical Engineer
Transmission Planning, and Research Development & Demonstration
San Francisco and San Ramon, California
