

Sacramento Suburban Water District

Board of Directors member and President

Richard Heath & Associates

California Self Generation Incentive Program Battery Storage Implementation

RagingWire Data Centers

Data center design and operational technical support

Sacramento Municipal Utility District Advanced & Renewable Technology Program Supervisor

Advanced & Renewable Technology Development Program management

Partner Energy

Energy analyses; energy modeling; commissioning; troubleshooting; specification of energy efficiency improvements; reports to regulatory agencies

US Fuel Cell Council Technical Director

Developed International shipping regulations for fuel cells at the United Nations and the International Civil Aviation Organization, US FAA and DOT

Professional Engineer, Private Practice

Heating, ventilation, and air conditioning design; energy studies, plumbing design; mechanical shop design; cogeneration design; custom process design. Fuel Cell Engineering, Research, and Communications

Robert Patrick "Bob" Wichert

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Summary of qualifications

California electric utility experience: solar and PV applications, wind applications, renewable energy sales, advanced energy efficiency, resource demonstrations, fuel cell applications, project management, national and international technical transfer, resource procurements.

President of the Board of Directors, Sacramento Suburban Water District

Former Master's Degree Candidate in Communication Studies with emphasis in Mass Communications, Inter-Cultural Communications and Issue Management.

IEEE 1547 Standard for Interconnecting Distributed Resources with Electric Power Systems -- Writing Committee member

National Fire Protection Association (NFPA) Power Plant Committee.

Building Commissioning Agent

Completed Senior Nuclear Reactor Operator License Training

California Div. of Industrial Safety Certified Crane Inspector

ASNT TC-1A certified Level 2 Test Engineer with experience in system and component testing of mechanical, electrical, fluid, and vehicle systems

NTT Data Center Engineer Training Level 2

Education

University of California, San Diego

University of California, Berkeley

California State University, Sacramento, B.S.M.E. 1977

California State University, Sacramento, Communication Studies

Professional experience

Representative Projects

Sacramento Municipal Utility District Five-Year Advanced & Renewable Technology Program

Personally responsible for the first Customer-Choice All-Renewable Electrical Energy Option in California – **SMUD Greenergy**®. Developed and facilitated advanced solar, advanced wind, biomass, and advanced energy efficiency programs in a research and development setting. Preparation of specifications, bid documents; issuance and responses to RFPs, RFQs, and RFIs; contract preparation and negotiation; contract management.

Sacramento Suburban Water District Board of Directors

Facilities and Operations Committee, Water Quality Committee, Finance and Audit Committee, General Manager hiring and contract negotiations, President.

California Public Utility Commission (CPUC) Self Generation Incentive Program (SGIP) Implementation

Working directly with the San Joaquin Valley Disadvantaged Community Program Administrators, PG&E and Richard Heath & Associates, designed residential battery storage systems. Negotiated with suppliers. Provided staff training. Prepared contracts. Certified Tesla Installer. Certified LGChem installer. Certified Panasonic Installer. Certified Battery DG shipper. CPUC SGIP Developer status. Economic analysis. Business Planning. Policies and Procedures.

California Tax Credit Allocation Committee Project Analysis, Design and Verification

Performed existing building energy modeling, proposed and negotiated Energy Efficiency Measures (EEMs) with owners and contractors, performed proposed building energy modeling, provided modeling information and required reports to the California Tax Credit Allocation Committee and oversaw installation of the EEMs. Verified proper installation; commissioned systems; performed as-built building energy modeling; and submitted required Placed-In-Service reports.

International Shipping Regulations for Fuel Cells at the United Nations and ICAO

Developed International Electrotechnical Commission (IEC) Standards. Developed National Fire Protection Association (NFPA) codes. Developed International Electrical and Electronics Engineers (IEEE) standards. Achieved approval by the United Nations Sub-Committee of Experts on the Transport of Dangerous Goods and the International Civil Aviation Organization. Achieved approval by the various nation-state agencies.

Affiliations and Awards

Robert Wichert was awarded the International Electrotechnical Commission "1906 Award" in 2009 for his work to further international standards for the safety, performance and installation of fuel cells and their systems.

Former Chairman of ASME PTC 50

ISO TC 197 Tech. Advisory Group

IEEE P1547 Writing Committee

CSUS Alumni Award

NFPA Power Plant Fire Protection Committee

IEC TC 105 Tech. Advisory Group

PVUSA Steering Committee

California Alliance for Distributed Energy Resources