



ENGINEERS, INC.
11779 US Highway 2, Suite 102
Leavenworth, WA 98826
(206) 498-8261



Curriculum Vitae - John R. Beebe, P.E.

John R. Beebe P.E. is Owner / Principal of AER Engineers, Inc.

AER Engineers has been providing legal electrical consulting and design services for commercial, industrial and residential projects since 1980. Mr. Beebe, is a registered professional electrical engineer in over 10 states. He provides expert witness consultation and forensics for electrical accident investigation, fatalities and damages resulting from fires, accidents resulting from low lighting levels, electrical injury, shock, electrocution, electrical contact, electrical safety, property damage, and loss. Litigation services include providing litigation support, rendering independent expert opinions and offering strategic advice to attorneys and clients concerning the technical issues of electrical failures, safety violations, accidents, electrical failures, negligence and incompetence. Over his career, Mr. Beebe has inspected over 750 commercial, industrial and residential buildings for code deficiencies and areas that are contrary to code.

He prides himself on his ability to explain complicated engineering principles to the average person without being pretentious or condescending. He is able to do his job as an expert witness in a friendly manner without alienating the person with whom he is communicating. He is very cognizant of the discovery process and is confident in rendering his expert opinion in his area of expertise. He has been personally involved in electrical forensic work throughout his career (some involving fatalities). The majority of the cases with which Mr. Beebe has been involved have settled out of court, partly due to Mr. Beebe's efforts.

Please contact Mr. Beebe at 206-498-8261 or see the AER Website at <http://sites.google.com/site/aerengineers/Home> for more information.

Education

- Bachelor of Science in Electrical Engineering, University of Washington 1976 (with emphasis in power systems)
- Construction Claims - Professional Education Course
- Contracts for Professionals - Professional Education Course
- Fire Prevention Basics and Design - Professional Education Course
- Design Build - Professional Education Course
- Harnessing Wind Power - Professional Education Course
- Introduction to Photovoltaics - Professional Education Course
- Leadership - Professional Education Course
- Electricity Principals- Professional Education Course
- Member of a Research Team at the University of Washington Exploring Uses of Renewable Resources
- U.S. Army Hawk Missile Continuous Wave Radar Electronics Repair
- N.E.C.A. (National Electrical Contractors Association) Code Course

Professional Registration Licensure

- Professional Engineer -State of Washington
- Professional Engineer -Alaska
- Professional Engineer -Oregon
- Professional Engineer -Idaho
- Professional Engineer -California

- Professional Engineer -Massachusetts
- Professional Engineer -Arizona
- Professional Engineer -New York
- Professional Engineer -Connecticut
- Professional Engineer -North Carolina
- Professional Engineer -Ohio

Presentations, Essays, Patents and Awards

- Electrical System Safety Grounding in Diverse Environments - Essay
- Decoding the National Electrical Code - Essay
- Using Anticipatory Compliance in Engineering Design - How to Anticipate Tasks before you are asked to complete them - Presented to a group of several hundred designers at Starbucks Coffee Company
- The Conversion of Internal Combustion Cars to Electrical Power -Presented to a Group of 300 for the Department of Energy
- How to Successfully Start and Operate Your Own Business -Presented to "at risk" inner city high school students for the Kiwanis Club
- The Electronic Control of Specialty Yard Debarkers - Essay Nominated for the IEEE Hickernell Award
- Provisional Patent for a Method to Mitigate Hijacking of Aircraft
- Lighting Design Award for Larry's Market on Aurora
- Lighting Design Award for Larry's Market in Kirkland

Memberships

- I.E.E.E. (Institute of Electrical and Electronic Engineers)
- I.E.S. (Illuminating Engineering Society)
- Kiwanis Club Manager of the Midas Touch program - worked with "at risk" inner City High School Students
- N.C.E.E. National Council of Engineering Examiners
- South Seattle Community College Foundation Century Club

Experience

1980 – Present

Principal, Professional Engineer

- Founded AER Electrical Engineers in 1980 because he recognized the need for quality engineering firms and legal consultants.
- Has provided legal electrical consultation for fatalities due to electrocution, fatalities due to electrically caused fires, product malfunctions, equipment failures, lighting level disputes, injuries and others.
- Has inspected over 750 commercial, industrial and residential buildings for code deficiencies and areas that are contrary to code.
- Since 1980, has designed and provided the quality control, for over 1500 Electrical projects.
- Is personally involved with projects for the legal profession.
- For the past 20 years his consulting firm has designed the Electrical for over 500 Starbucks outlets in Washington, Oregon, Idaho and Alaska
- Has designed the electrical and mechanical for 120 volt/208 volt systems

- Has designed the electrical and mechanical for 277 volt/480 volt systems
- Has designed the electrical for medium voltage systems and associated legal investigation
- Has designed the electrical for high voltage systems
- Has written specifications for over 1000 commercial, industrial and residential projects

Areas of Expertise:

- Building Codes
- Construction
- Construction Claims
- Construction Cost
- Construction Defects
- Construction Disputes
- Construction Safety
- Damages
- Due Diligence
- Economic Damages
- Engineering Design Damages, Injuries and Fatalities
- Engineering Electrical Damages Injuries and Fatalities
- Fire Investigation Due to Electrical systems
- Industrial Equipment
- Lighting Design Damages and Injuries
- Lighting Footcandle Level Damages and Injuries
- Litigation
- OSHA, WISHA (and other state variations) Damages Injuries and Fatalities
- Physics
- Research
- Safety
- Security
- Temperature Measurement
- Other Areas

As stated above, please contact Mr. Beebe at 206-498-8261 or see the AER Website at <http://sites.google.com/site/aerengineers/Home> for more information. Mr. Beebe's goal is to exceed the expectations of his clients.

Note: Not all memberships and registrations mentioned above may be active.