

NEC/NFPA 70E Instructor Bio: Jim Bosshart

Contracted Instructor

Electrical and Safety - 2009-2020

- **Field Instructor and Presentations that include classes from 1-5 days at a client's location. Class participants would include some of each or all operators, technicians, electricians and other trades, safety and upper management personnel. Also taught Public classes where attendees would be from differing companies.**
 - Classes would include topics of NFPA 70E, National Electrical Code, Industrial Electricity and Troubleshooting and Diagnostic techniques, tools and skills. Classes were taught via lecture, hands on and interactive methods.
 - NEC Classes would concentrate around Industrial applications, equipment and their affected codes.
 - NFPA 70E classes would consist of Introduction to 70E, refresher classes, or 2-day lecture with some demonstration of required safety equipment and longer classes for assessment of knowledge and hands-on applications.
 - Clients were varying to encompass, Oil pumping Stations and Refineries, Mining, Manufacturing, Airlines Support Departments, Municipal and Military, Water and Wastewater facilities, Boeing, Chemical Plants, ect.
 - Some classes were a combination of various topics.
 - Extensive Travel to Clients facilities

Construction Industry Training Council of Washington, Various classes, 6-2-2009 - Present

- **Presentations to audiences of Trainees, Journeyman and Master Electricians, and other construction trades. Work includes ongoing Continuing education classes, curriculum development, visual, audio and supplementary materials for 8 hour seminar presentations. Trade knowledge and experience level of students can be varied.**

Typical Topics;

- Intro to the NEC, Wash State Amendments to the NEC, Code Changes, Grounding/Bonding, NFPA 70E, Intro to AC Theory, Elect Basics, The NEC & Motors and their Controls, Master's Commercial Calculations, Calculations for Conductors, Conduits and Boxes, Determine Conductors, Terminations and Ampacities, Wiring Installations and Methods Art 110-300, Transformers and other Voltage Sources and others.
- Some NFPA Training and Presentations

Instructor/Consultant

SElectrical Training Inc. – Scottsdale, AZ

2006 - Present

- ***Day Classes for Advanced Continuing Education, Refresher and Retraining to Electrical Journeyman, Foreman, and Superintendents. Everyday situations are evaluated, for proper applications of codes, methods and materials. Specific Employer desired topics for better profitability, productivity or awareness are developed and delivered with learning techniques and presentation materials that are suited to the audience level.***
 - National Electrical Code, Calculations and Electrical Design concepts are applied to real problems
 - Additional codes for Fire Alarm, NFPA 70E, NFPA 101 Life Safety, Health Care and Generator are discussed.
 - New or available tools, materials, equip are introduced
 - Electrical Estimating classes
 - Project Management skills and techniques for Forman and Supervisors
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LICENSURE AND CREDENTIALS

- **CESCP-Certified Electrical Safety Compliance Professional- # CESCP-19-358**
 - **OSHAcademy Electrical Safety for Technicians and Supervisors Certificate- Student ID #448755**
 - **Electrical Administrator (Master Electrician License)**
State of **Washington**, Department of Labor and Industries-#**BOSSHJ*942BS**
State of **Alaska**, Department of Labor- # **EADE743**
 - **Electrician Journeyman License**
State of **Washington**, Department of Labor and Industries- #**BOSSHJ*213BR**
State of **Alaska**, Department of Labor- Expired-(held since 1982)
 - **Approved NEC Instructor**
State of Washington, Department of Labor and Industries- **Instructor I.D. 477**
 - **Master Trainer and Certified Instructor**
National Center for Construction Education and Research (NCCER)
 - **NICET Level II** –Fire Alarm (hold/expired)
 - **NATE** – Electrical Certification
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MEMBERSHIPS

- Member of International Association of Electrical Inspectors (IAEI)
- Member of NFPA –National Fire Protection Agency
- Past member of IBEW, Local 46