

# **BILL BONINI**

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## **PROFESSIONAL ACCOMPLISHMENTS**

- Electrical Engineer  
**24 Years Experience (1993-Current)**
- Journeyman Wireman's License WY J-3981  
**15 Years Experience as an Electrician. (1984-Current)**
- E.I.T. (1992)

## **EDUCATION**

- BS: Electrical Engineering, December 1992  
**University of Wyoming Laramie WY G.P.A. 3.766**
- J.A.T.C. Apprenticeship Diploma, May 1988  
**Casper College Casper WY**

## **DESIGN WORK**

- Boiler Controls Gas & Coal (Burner Management Systems NFPA85, Boiler Instrumentation and Discrete Controls).
- Power House Controls (Fly-ash, Soot Blowers, Feed-water, Water Lab, Precipitators, Emissions FGA, Opacity Systems)
- Power Systems 34.5KV,13.8KV,4160V & 480V (Trip & Close Permissive Logic, Motor Controls, Protective Relay Applications with Beckwith, Schweitzer, Basler, GE & Mechanical Relays, Motor Protectors, NFPA70A & 70E)
- Load-shed Controls (Plant Self Generation on loss of Utilities).
- Generator Controls 0-50MVA (Woodward 505E, Trip & Permissive Controls, Instrumentation, Flux, and Partial Discharge).

## **RELIABILITY & PERDICTIVE MAINTENACNE**

- Generators (Flux, Partial Discharge Polarization Index, Running DC and Over-potential, Set scope & shop monitor for any Stator, Core, and Rotor repairs and testing).
- Transformers (Gas and Oil Analysis, Set scope & shop monitor for repairs and testing).
- Preventive Maintenance form build, update, scheduling, and monitoring.
- Infrared monitoring, reports, and follow ups.
- Systems failures analysis and root cause corrective actions.

## **COMPUTER SKILLS**

- General Software (Microsoft Packages, AutoCad LT, SAP).
- Diagnostic Software (Schweitzer, Beckwith, IRIS Power, Gentech, Bently Nevada, Nuendorfer, SKM Power Coordination and Arc Flash analysis, PI Statistical Trending).
- Control Systems Software (PLC Ladder Logic (AB & GE), DCS (Moore, Citect Sixnet), AB Panelview, Multilin, Flowel).

## **RESPONSIBILITIES**

- Estimate Upgrades and Corrective Actions with alternatives and risks. Supply Memo of Justification for upgrades.
- Estimate Costs for new technology or future budget projects.
- Start ups and system controls verification.
- Supervision of Electricians in projects and maintenance trouble-shooting. Training of electricians and operations.
- Emission equipment maintenance and reporting to Environment Department and EPA.
- Print generation or update, procedure generation or update.

## **TEACHING EXPERIENCE**

- **Industrial Safety Equip. Co. 1 year**
- **Western Wyoming Community College 4 years**
- **National Ski Patrol Outdoor Emergency Instructor 11 years**

## **EMPLOYMENT HISTORY**

- Industrial Safety Equip.Co. NFPA70E & NEC Code Update Course
- Western Wyoming Community College Electrical/Instrumentation
- FMC Utilities & Maintenance Engineering (Electrical)
- Bayview Elect. FMC
- Devoqe Elect. Industries in Southwest WY.
- Bechtel Const. Nucla Power Plant.
- **Further history available on Work Experience Sheet.**