



JOB OPENING ANNOUNCEMENT

Communications / SCADA / Networking Technician

(Job Title: Hydro Technician / Operator, Hydroelectric Project)

Location: Murphys, CA

Pay Range: **\$51.83 - \$75.48 / hour**, Depending on Experience

Responsibilities:

The Hydro Comm Technician troubleshoots, repairs, calibrates, maintains, tests and installs communications and control system hardware, software, and equipment in hydroelectric power generating stations and facilities. Systems include: microwave, telemetry, two-way radio, fiber optic, multiplex carrier, VoIP & POTS telephone, SCADA & DCS, RTU's, serial comms (RS-232 / RS-485), frame relay, protective relay (transfer trip & power line carrier), Electronic Security Perimeter (Routable Networking components including Defense-in-Depth strategies), routable networks security, physical security (alarms & video surveillance), misc. electronics, AC/DC, instrumentation, DC Power, and PV systems.

Essential Duties / Skills: (other duties may be assigned)

- Networking (firewalls, routers, switches, VLAN, encryption, TCP/IP, UDP, VPN, OSI model)
- SCADA (management, graphical development, data historian, OS patches, security)
- Power Plant Control System Security (network security, defense-in-depth, risk modeling/remediation, NERC CIP compliance / monitoring, ports/services)
- PLC interface with DCS distributed control system (input/output, scaling, PLC programming)
- Telemetry (modbus, DNP, Serial, RTU, I/O)
- Telecom (VoIP, POTS, DDS, T1, etc.)
- Microwave (Hardware, software, troubleshooting, etc.)
- Two-Way Radio (900 MHz, Motorola MotoTrbo, etc.)
- Fiber Optics (OTDR, Maintenance, etc.)
- Auxiliary Equipment (Batteries, solar, back-up generators, AC/DC, peripheral computer components)
- Project Management (develop wiring diagrams, layout drawings, & engineering specifications for system modifications)
- Assists with maintenance and repair of mechanical and electrical equipment and systems

Desired Skills:

- Hydroelectric power plant experience.
- Ability to operate, control and monitor hydroelectric generating units and auxiliary equipment.

Qualifications:

- High school diploma with additional education and/or certifications (GROL, NARTE, CISSP, CISCO, etc.) highly desirable.
- Completion of a recognized Comm Tech apprenticeship program or equivalent course work in electronics and data communications.
- At least five (5) years of responsible experience maintaining, installing & repairing electronic control systems & data communications equipment.
- Knowledge of: R56 standards, FCC rules / regulations, NERC CIP standards, Radio frequencies, electronics and instrumentation theory, DC/AC theory, Networking and Security principles.
- Unrestricted CA Drivers License and clean driving record.
- Ability to climb towers up to 175' and complete physically demanding work in rough natural terrain.
- Willingness to be available for work during off hours in case of emergency.
- Willingness to relocate permanent residence to within 50 miles of Murphys, CA.

Benefits: NCPA offers excellent benefits including CalPERS medical and retirement plan. See our website for more details on NCPA's extensive benefits package.

Application: NCPA application is required and available at www.ncpa.com.

Closing Date: Open until filled