

STATE OF NEVADA

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**COLORADO RIVER COMMISSION  
OF NEVADA**

Unclassified Position Announcement

**POWER SYSTEMS COMMUNICATIONS TECHNICIAN**

(Power Facilities Comm Tech)

Las Vegas, Nevada

**RECRUITMENT OPEN TO:** The Colorado River Commission of Nevada (Commission) is seeking qualified applicants for the position of Power Systems Communications Technician for the Commission's Power Delivery Group (PDG).

**RECRUITMENT:** Open to all qualified candidates, the vacancy is in Las Vegas, Nevada.

**POSITION STATUS:** Exempt from (FLSA); serves at the will of the Executive Director; and under the Supervision of the Assistant Director of Engineering and Operations (ADEO). Employment with the Commission for this position is contingent upon background check including criminal history check.

**AGENCY RESPONSIBILITIES:** The Commission receives and holds in trust water and hydropower allocations for the benefit of the State of Nevada and the agency's customers that are in southern Nevada. The Commission owns, operates, and maintains significant electrical and communications infrastructure to serve the local purveyors of water with electrical needs for water pumping and wastewater treatment.

**BACKGROUND OF POWER DELIVERY GROUP:** The Commission's Power Delivery Group is responsible for the development, operations, and maintenance of Commission's high voltage transmission and distribution systems. The Commission's transmission and distribution system, includes both overhead and underground transmission lines, 17 substations with 230-kV and 69-kV primary voltages and 14.4-kV, 13.8-kV, and 4.16-kV secondary voltages; and associated communication facilities. The position is also responsible for the operation and maintenance of any of the Commission's customer facilities pursuant to contracts with its customers.

**EDUCATION AND EXPERIENCE:** Bachelor's degree from an accredited college or university in engineering or closely related field and six years increasingly responsible experience in high voltage substation operation, maintenance, design and construction; OR completion of a certified high-voltage substation electrician or lineman apprenticeship program and twelve years of increasingly responsible experience in high-voltage substation operation, maintenance, and construction with at least one year at a level equivalent to a superintendent or facilities manager.

**REQUIRED CERTIFICATION:** Professional Engineer or completion of a high-voltage Switchman Certification Program, or other accepted certification demonstrating increasing responsibility and knowledge in the power industry.

**EXPECTED JOB DUTIES AND RESPONSIBILITIES:**

- Develops communication protocols and schemes;
- Maintains and operates communication equipment and devices, including performance of vendor recommended daily, monthly, and yearly inspections and diagnostic analysis;
- Develops Standard Operating Procedures (SOPs) and maintenance instructions for communications systems, facilities and equipment;
- Analyzes communication disturbance reports and data to determine cause and remedies for communication problems;
- Develop and maintain communication system baseline test data; performs optical time domain, power meter and other diagnostic tests of the fiber optics system;
- Tests electrical and physical characteristics and accuracy of utility revenue meters, instrument transformers, transducers, and other electrical devices in the circuit for measuring, monitoring and analysis of electricity.
- Assists in Operations and Maintenance of SCADA system;
- Develops, implements and maintains communication system firewalls to protect SCADA system integrity; and provides recommendations and prepares designs and material procurement specifications for communications equipment to support the SCADA and power metering systems.
- Prepares communication system, facility and equipment construction cost estimates;
- Prepares procurement specifications for communication equipment, including communication processors, transceivers, inverters, power supplies, multiplexers, network communication equipment and ancillary devices; reviews vendor submittals;
- Prepares designs, including bill of materials, schematic diagrams and wiring diagrams for communication panels; and, prepares communication system designs including one-line and communication rack drawings.

**KNOWLEDGE OF:** Power utility safety standards, codes of federal regulations, Nevada Revised Statutes, and Nevada Administrative Code; personal computers and software including programs exclusive to the power utility industry (SCADA Systems, Programmable Logic Controllers and Web-based Energy Management Systems—power meter programming and software system control). Principles of electricity, characteristics of electrical AC and DC circuits, the connections of electrical apparatus, equipment and circuits and their functions. Methods of calculation of resistance, volts, amps, and watts. *(The above list is representative only and does not cover the full range or scope of knowledge required for this position.)*

**APPROXIMATE GROSS SALARY:** Starting salary depends on education, experience, knowledge, and abilities of a candidate to fulfill the needs of the position. Candidates with less experience may be considered with a lower starting salary with the opportunity for increases over time as the candidate grows in the position. The salary range for this position is:

Employee/Employer Paid PERS<sup>1</sup> \$86,000 to \$106,409.

If the Employer Paid PERS retirement plan is chosen the salary range is adjusted lower.

**BENEFITS:** The State benefits package includes enrollment into the Public Employees' Retirement System ([www.nvpers.org](http://www.nvpers.org)), a choice of health insurance plans ([www.pebp.state.nv.us](http://www.pebp.state.nv.us)), eleven paid holidays, no State income tax, and paid annual leave and sick leave, after appropriate waiting periods. Other optional benefits are also available, including a deferred compensation program.

**DEADLINE:** Applications will be accepted until the position is filled.

Submit a cover letter and résumé to:  
Gina Lee Goodman  
Executive Assistant Manager  
Colorado River Commission of Nevada  
555 E. Washington Avenue, Suite 3100  
Las Vegas, NV 89101

E-mails submissions will be accepted and should be sent to:  
[ggoodman@crc.nv.gov](mailto:ggoodman@crc.nv.gov)

Note to Applicant: In your letter of interest please indicate how you heard about the position. If you heard about this position through a website, please specify which website.

Posted: June 4, 2024

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<sup>1</sup> PERS – Public Employees' Retirement System of Nevada