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**COLORADO RIVER COMMISSION
OF NEVADA**

Unclassified Position Announcement

**POWER FACILITIES SENIOR ELECTRICAL ENGINEER
(SR PWR Facilities Engineer)**

Las Vegas

RECRUITMENT OPEN TO: The Colorado River Commission of Nevada (Commission) is seeking qualified applicants for the position of Power Facilities Senior Electrical Engineer (PFSEE) for its Power Delivery Project Group. This is an unclassified, fulltime position open to all qualified applicants and the hiring may occur during the recruitment process. This position is appointed and served at the pleasure of the Executive Director of the Colorado River Commission of Nevada and reports directly to the Power Facilities Manager.

AGENCY RESPONSIBILITIES: The Commission receives and holds in trust water and hydropower allocations for the benefit of the State of Nevada. Additionally, the Commission on behalf of the State of Nevada via its Power Delivery Project Group owns, operates and maintains significant electrical and communications infrastructure that includes, high voltage substations, 230 kV and 69 kV transmission lines, Supervisory Control and Data Acquisition (SCADA) systems, microwave sites and fiber optic cable.

RECRUITMENT: Open to all qualified candidates, vacancy located in Las Vegas, Nevada.

POSITION DESCRIPTION:

The Power Facilities Senior Electrical Engineer (PFSEE) is responsible for the development, operation, and maintenance of the metering, controls, protection, and Supervisory Control and Data Acquisition (SCADA) systems for Commission's high-voltage transmission and distribution system. The PFSEE prepares various other studies, reports, and designs in support of the on-going development, operation, and maintenance of Commissions transmission and distribution system.

General duties include:

1. **Relaying**—develops system, facility and equipment protection schemes and programs; inputs and adjusts relay settings; maintains and operates relaying equipment; and analyzes fault data to determine cause and remedies.
2. **SCADA and Metering**—operates and maintains SCADA system; develops SCADA human/machine interface screens for new and renovated facilities using the newest software platform that is compatible with the local utility; prepares and analyzes alarm reports and histories; prepares designs and material procurement specifications for metering equipment; and operates and maintains power metering system.
3. **Studies and Reports**—prepares load flow analysis, fault duty studies, load forecasts and fault analysis reports; performs studies on equipment coordination, maintenance practices and programs, including life-cycle analysis; assists in preparation of Standard Operating Procedures (SOPs) for systems, facilities, and equipment; and assists in development of maintenance programs and instructions.
4. **Operations**—prepares switching programs, maintains certified switchman status and conducts switching as necessary.
5. **Capital Projects**—prepare system, facility and equipment construction cost estimates; prepare procurement specifications for substation equipment, including transformers, power circuit breakers, lightning arresters, capacitor coupled voltage transformers, bus and fitting systems, cabling and conductor systems; review vendor submittals; prepare designs and bill of materials, schematic diagrams and wiring diagrams for relay panels—AC and DC panels; and, prepare designs including one-line, three-line and general arrangement drawings.

EDUCATION, EXPERIENCE, KNOWLEDGE AND ABILITIES: Education and Experience: Bachelor's degree from an accredited college or university in electrical engineering is required and four years of increasing responsibility and experience in high voltage substation operation, maintenance, design, or construction is desired.

Required certification: Registration as a licensed professional electrical engineer in the state of Nevada preferred. The ability to acquire registration as a licensed professional electrical engineer in the state of Nevada is a must. It is recognized that such registration has time and experience requirements. These requirements will be taken into consideration as necessary.

Knowledge of:

- Technical knowledge, skills, and abilities in all aspects of a high-voltage transmission and distribution system.
- Writing skills required for development of SOPs, switching programs, cost estimates, specifications, etc.
- Knowledge of the interconnectivity of relays, metering equipment and the SCADA system software.
- Knowledge of rules and regulations for the operation of electric facilities required by federal agencies such as the Federal Energy Regulatory Commission and the North American Electric Reliability Corporation.
- Knowledge and ability to analyze data from faults occurring on the system to take corrective action.
- Knowledge of the following safety rules and requirements as they pertain to the operation and maintenance of the electrical facilities: OSHA rules, section 1910.269 which deals with high-voltage requirements including Personal Protection Equipment, APPA Safety Manual, National Electric Code and the National Fire Protection Association rules and regulations.
- Knowledge of the Nevada Revised Statutes and the Nevada Administrative Code as it pertains to the operation and maintenance of the transmission and distribution facilities (specifically NRS 528.041—528.251, Commission statutory authority; and NRS 338—Public Works and Planning for construction projects).

APPROXIMATE GROSS SALARY: Starting salary depends on education, experience, knowledge, and abilities of a candidate to full 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 ranges from approximately \$90,000 to \$116,290 for the Employee/Employer retirement plan pay scale and is adjusted lower for Employer Paid retirement plan.

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

Submit a cover letter and résumé to:
Gina Lee Goodman
Office 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

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.