SAN JUAN WATER
SINCE 1854

Seeks Candidates For

Electrical and Instrumentation Technician

About Us…

San Juan Water District, located in Granite Bay, California, is a community services district created by a vote of the citizens in 1954. The District provides wholesale water to more than 160,000 people and retail to 30,000 people living in eastern Sacramento and southern Placer Counties. The District wholesales water to Citrus Heights, Fair Oaks and San Juan (retail) Water Districts, Orange Vale Water Company and the City of Folsom with surplus treatment capacity available to Sacramento Suburban Water District. The District provides treatment and delivery of more than 50,000 acre-feet of water per year to wholesale and retail customers.

With rich history dating back to the Gold Rush era, the District has served the community for more than 150 years. The District's highest priority is to provide reliable, high-quality water to its customers – every day, year in and year out. The District is significantly involved in reshaping California's water dialogue.

San Juan Water District is led by a five-member board of directors who are elected by the community to provide guidance, strategy, and policy for district programs and policies.

The Position…

The Electrical and Instrumentation Technician is part of the Treatment team, performing journeyman level work including the troubleshooting, maintaining, and repairing of electrical gear and breakers and electronic equipment, instrumentation controls and radio telemetry/cellular communications associated with a domestic surface water treatment plant, distribution system, wholesale meters and medium voltage solar site components. Duties include:

- Performing corrective and preventative maintenance on electrical switchgear, breakers, transformers, process control systems, flowmeters, transmitters, gauges and other instrumentation and control equipment.
- Performing skilled troubleshooting, maintenance, repair and testing of instrumentation, Programmable Logic Controller's (PLC's), telemetry, electrical and electronic components and instruments used in treatment plants, distribution systems and solar fields.
- Planning, installing, and maintaining sophisticated electrical, instrumentation, and control systems; developing and using diagnostic problem solving techniques.
- Inspecting, adjusting, and repairing electrical and electronic equipment such as Variable Frequency Drives (VFD's), breakers, transformers, motors, transducers, motor control centers, switches, wiring, electronic circuits, and related devices.
- Installing, maintaining, and troubleshooting control systems and water quality instruments, analyzers and electrical systems as they relate to water treatment and distribution systems.
- Working collaboratively with engineering to maintain and modify drawings of District's Electrical Systems, PLC's and SCADA Systems.
- Assisting in new project design, installation and troubleshooting of electrical systems including but not limited to; submittals, RFIs, change orders, site layout and planning of specific drawings.
- Meeting with operations and engineering staff on new construction and other projects and managing/performing design and installation of equipment related to electrical and electronic systems and instrumentation and control systems.
- Modifying install, and support systems and networks as they relate to the Supervisory Control and Data Acquisition (SCADA) system.

The Ideal Candidate…

To be considered, candidates should be knowledgeable of principles and practices of electrical theory & electrical circuits; practices and techniques used in the design, installation, testing, calibration, maintenance, and repair of radio telemetry, cellular communication, 4160V solar field, electrical and electronic equipment, instrumentation and controls as they relate to water treatment and distribution systems; principles of operation and maintenance of 480V electrical systems, motor starters, VFDs, motors, actuator, PLCs, electromagnetic flow meters, level sensors, pressure devices, instrumentation and analytical instrumentation devices; principles associated with electrical and electronic circuitry, radio telemetry, and plant analytical equipment; and have the ability to maintain and repair electrical and electronic equipment, radio telemetry, solar field, instrumentation and controls and independently perform technical work in maintaining, installing and calibrating digital, electronic and electrical system automated instruments, controls and measuring devices. The qualifications include:

Graduation from high school or equivalent and 3 years of journey level experience in the design, construction, installation, modification, maintenance, and repair of electrical/electronic equipment, instrument systems and control devices common to an industrial water treatment plant and distribution systems.

Compensation and Benefits…

The salary range is $52.55 - $63.07. In addition, the District offers competitive benefits which include District contribution to CalPERS retirement, medical (100% of premium for most offered plans), dental and vision for employee and dependents; District paid life insurance; 12 paid days of sick leave; 11 paid holidays; and paid vacation depending on length of service. In addition, the District provides retiree health benefits with 50% of the premium paid with 10 years of service and an additional 5% with each year of service up to 100% with 20 years of service in CalPERS participating agencies.

Application Process…

To be considered for this position, please submit a District application, resume and cover letter, and three professional references to Shellie Anderson at Bryce Consulting by close of business on November 23, 2023.

Shellie Anderson
Bryce Consulting, Inc.
Email: sanderson@bryceconsulting.com

Visit the District's website at www.sjwd.org for an application