



SCADA Electrical Technician



Closing Date: November 1, 2026

www.threevalleys.com



About TVMWD

Three Valleys Municipal Water District (District/TVMWD) is a government agency that was formed by a vote of the people in 1950. It is one of the 26 member agencies of the Metropolitan Water District of Southern California (MWD) that is authorized to deliver wholesale water supplies from the Colorado River and Northern California. The District gets its name from the three areas that it serves: the Pomona, Walnut, and East San Gabriel Valleys. There are 14 cities and water agencies that are within the TVMWD service area, which covers an area of 133 square miles and a population of over 500,000.

The District's annual budget is \$93 million, with the majority of the expenses associated with the purchase and sale of water. A publicly elected, seven-member Board of Directors presides over TVMWD.





Mission

Is to supplement and enhance local water supplies to meet our region's needs in a reliable and cost-effective manner.

Core Values

→ INTEGRITY

Devote work effort in a consistent and fair manner to do what is right.

→ COLLABORATION

Have an open exchange of information and share ideas broadly within and across organizational lines; engage our internal and external customer as valued partners.

→ ACCOUNTABILITY

Deliver on our commitments and decisions; take ownership of the outcomes and results.

→ PROGRESSION

Have a growth mindset for continuous improvement at both personal and organizational levels.

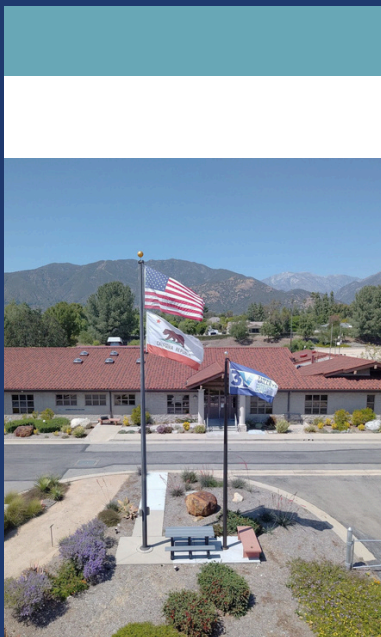
→ INNOVATION

Provide bold leadership that is prepared to challenge the status quo and develop projects and services that create long-term value for our member agencies.



The Position

The SCADA Electrical Technician supports the operation, maintenance, and reliability of the District's control systems, including SCADA, PLCs, and electrical infrastructure. This role works closely with operations and engineering staff to troubleshoot issues, maintain system performance, and assist with upgrades across water treatment and distribution facilities.



→ The Right Candidate

The ideal candidate is a hands-on, detail-oriented technician with experience in electrical systems and industrial controls. They are a strong problem solver who can troubleshoot technical issues, work independently, and collaborate with field and operations teams. This individual is eager to learn, adaptable, and committed to maintaining reliable and efficient water system operations.

Essential Functions



→ SCADA & Automatic Systems

- Designs, configures, installs, and maintains SCADA, PLC, and DCS systems.
- Develops and modifies automation controls, including logic updates and HMI enhancements.
- Troubleshoots and resolves SCADA-related software, firmware, and hardware issues.
- Performs software and firmware upgrades on SCADA, PLC, and other OT connected devices.
- Monitors SCADA data for anomalies; implements system updates and improvements.
- Analyzes process requirements and end-user needs.
- Consults with Operations staff to identify and implement improvements to process controls by modifying existing SCADA, Human Machine Interface (HMI), and PLC programs. Reviews and modifies code written by contractors.
- Coordinates with Information Technology staff to implement and enforce cybersecurity measures to safeguard SCADA systems and critical infrastructure.
- Configures and maintains alarm and paging programs as needed.
- Maintains backup and recovery protocols for SCADA and PLC systems.

→ Electrical & Instrumentation Maintenance

- Tests, troubleshoots, and calibrates industrial electrical and instrumentation systems.
- Performs preventive and corrective maintenance on VFDs, power circuits, relays, and control panels.
- Installs and services electrical infrastructure such as conduits, wiring, and control devices.
- Safely operates within 12VDC to 480VAC systems and complies with electrical safety standards.
- Utilizes test equipment and software tools to diagnose and optimize system performance.

→ **Communication & Network Systems**

- Maintains and troubleshoots OT network infrastructure including routers, switches, and telemetry.
- Supports and maintains wireless/radio systems and remote communication links.
- Diagnoses and repairs cable, signal, and communication configuration problems.
- Implement and support secure communication protocols in alignment with NIST, AWWA, or CISA recommendations and standards.

→ **Documentation & Support**

- Creates and maintains documentation: SOPs, diagrams, specifications, logs, and reports.
- Provides training and technical support to field operators and maintenance staff.
- Participates in planning and design reviews for new or upgraded control systems.
- Coordinates with IT on cybersecurity, system access, and integration efforts.

→ **Project Participation & Continuous Improvement**

- Participates in construction, engineering, and SCADA integration projects.
- Performs factory acceptance testing, commissioning, and system startups.
- Evaluates vendor software/hardware for system compatibility and performance.
- Maintains up-to-date technical knowledge through trainings, publications, and associations.

→ **Emergency Response & General Operations**

- Responds to equipment failures, and operational emergencies.
- Assists with hydroelectric and transmission system monitoring and repair.
- Maintains compliance with all District and OSHA safety protocols.



Requirements & Qualifications



Education & Experience

The ideal candidate will possess a combination of education and experience equivalent to:

- Minimum of two (2) years of experience supporting SCADA, PLCs, or industrial control systems in a utility, industrial, or water/wastewater environment.
- High school diploma or equivalent required.
- Completion of vocational training or college-level coursework in electrical, instrumentation, computer science, automation, or related fields is preferred.
- Programming experience with SCADA/PLC (supervisory control and data acquisition), preferred.
- Wonderware software experience is preferred.



Physical Demands & Conditions

Requires the ability to receive, understand, and act upon verbal and written communication from others, and to communicate with others. Requires the ability to distinguish between colors. Requires ability to use hands and fingers to handle or feel objects, tools, or controls; to reach with hands and arms; to sit, stand and climb (e.g., a ladder); and to talk and hear. Must be able to carry, push, pull, reach, and lift equipment and parts up to 55 lbs. and heavier weights with the use of proper assistance.

Requires working with and handling hazardous chemicals; working in confined spaces; use of respiration equipment and the manual operation of heavy equipment. Valid certification to use and wear a respirator must be obtained from the District's designated occupational physician within twelve months of hire. Requires ability to pass respirator and physical/fit test as well as a background check and drug screening.

Must be able to participate in job-related activities at times other than normal business hours, i.e., evenings and weekends, and at various locations that will require operating a motor vehicle.



→ Compensation

This is an hourly position with a pay range of **\$48.22 to \$67.51 per hour** (equivalent to \$100,312–\$140,437 annually).

→ Benefit Package

- **Work Schedule:** Four 10-hour days, Monday through Thursday
- **CalPERS Retirement:** 2%@62 formula for PEPR employees; 2%@55 for Classic employees. Employees pay 7% - 7.75%. TVMWD does not participate in Social Security but does participate in Medicare.
- **Deferred Compensation:** Two plans are offered to employees: 401(a) – TVMWD a match of employee contributions up to \$500 per month (\$6,000/year) and a 457 voluntary plan where employees can elect to defer compensation pre-and/or post-tax up to the IRS limits.
- **Medical:** Employees may elect from Anthem Blue Cross PPO, High Deductible PPO, HMO, and Kaiser HMO plans. Employees pay 0-5% of medical premiums.
- **Dental & Vision:** Full coverage for employee and family at no cost employees.
- **Employee Assistance Program:** Available to employees and their families at no cost to employees.
- **Health Reimbursement Arrangement:** TVMWD pays \$1,000 annually for out-of-pocket health related expenses not covered by insurance
- **Health Savings Account:** TVMWD contributes up to \$800/annually into an HSA account for employees who select a high deductible plan.
- **Short/Long Term Disability:** TVMWD pays 100% of premiums.
- **State Disability Insurance:** TVMWD pays State Disability Insurance.
- **Life Insurance:** TVMWD offers 2x the annual salary up to \$300,000
- **Holidays:** 12 days per year, including up to 3 floating holidays (non-probationary employees).
- **Sick Leave:** 96 hours per year
- **Vacation:** 80 per year
- **Tuition Reimbursement:** Up to \$5,000 per year
- **Wellness:** On-site gym available and more.
- **Other Benefits Include:** Telephone reimbursement, Jury Duty coverage, Flexible Spending Account (FSA), Retiree Health, and Supplementary Life Insurance.

Meet The Team



Richard Quinteros
Instrumental/Electrical System Operator

"I'm incredibly grateful for the supportive environment at Three Valleys. Management has always gone above and beyond to provide the necessary resources for success. It's the best career choice I've ever made."



Erika Gomez
Chief Financial Officer

"Working at Three Valleys has been a dream come true. The close-knit culture and supportive team makes every day enjoyable, and it's a place where you can build a meaningful and rewarding career."



Kevin Panzer
Principal Engineer

"Working at TVMWD means working on real water system problems that affect the community every day. It's a supportive team environment with strong opportunities to develop professionally."



APPLY NOW!



The final filing date is Sunday, November 1, 2026, at 11:59 p.m. PST. To be considered for this exciting and rewarding career opportunity, please submit your completed District application and resume via email to the Human Resources department at 3vHR@tvmwd.com. Applicants may obtain an application by visiting our website at www.threevalleys.com or by clicking [here](#).

NOTE: The information contained in this job announcement is in abbreviated form. This announcement does not constitute a formal offer of employment and is not a complete list of the terms and conditions which affect District employment. Candidate selected for employment will be required to pass a medical examination. They will also be required to present documents establishing personal identity and the legal right to work in the United States. Employment is contingent upon the successful completion of this process.

Contact Information



(909) 293-7030



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