

# TRI-DAM PROJECT

of the South San Joaquin & Oakdale Irrigation Districts

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## POSITION ANNOUNCEMENT

**Posting Date:** February 1, 2020  
**Position Title:** Journeyman Electrician  
**Department:** Maintenance  
**Starting Salary:** \$49.56 / hr.  
**Closing Date:** Open until filled

**To apply:** Please submit a cover letter, resume and a completed application (located on our website) to [gmodrell@tridamproject.com](mailto:gmodrell@tridamproject.com), P.O. Box 1158, Pinecrest, CA 95364 or (hand delivery only) 31885 Old Strawberry Rd., Strawberry, CA 95375. If submitted electronically must be submitted in PDF format.

**SUMMARY:** Under general supervision; to perform skilled electrical maintenance and repair work of water and/or irrigation systems, pumps, and associated equipment located in Tri-Dam Power plants, dams and related facilities; and to do related work as required. Tri-Dam is a member of the IBEW 1245 union.

**DISTINGUISHING CHARACTERISTICS:** This is a journey level classification. This class is a specialized class for incumbents assigned to perform skilled electrical installation and maintenance work, including testing of protective devices and associated equipment common to Hydro-Electrical facilities. The incumbent in this class also assists the technical staff in repair and testing of microwave and SCADA system testing. An incumbent in this classification may be called after hours for emergency repair work.

**REPORTS TO:** Maintenance Supervisor

**CLASSIFICATIONS DIRECTLY SUPERVISED:** May provide some direction for temporary work staff.

### EXAMPLES OF DUTIES:

- Performs skilled electrical work in the maintenance and repair of equipment as used in hydroelectric plants, dams, and related facilities.
- Performs maintenance and repair of water gates on dams and diversion spillways.
- Tests and repairs various electrical circuits. Breakers, controllers, meters, and transformers.
- Repairs and installs high voltage line and power pole.
- Assists the technical staff in the repair and testing of microwave and SCADA system testing of panel boards, relaying and high voltage line work.
- Orders materials and supplies for electrical projects.
- Participates in the repair and maintenance of generators and related equipment.
- Completes and maintains records and reports.
- Designs modifications and new circuitry and systems.

- Draft blueprints and diagrams, and updates existing ones to reflect modifications and “as built” conditions.
- Performs hardware design and fabrication on electronic equipment. Determines and purchases parts and equipment.
- Designs, installs and maintains electronic surveillance equipment.
- Troubleshoot and repair basic refrigeration problems.

**TYPICAL PHYSICAL REQUIREMENTS:** Frequently stand and walk or crouch on narrow, slippery, and erratically moving surfaces; stoop, kneel, bend to pick up or move objects; physical ability to lift and carry objects weighing up to 50 pounds; normal manual dexterity and eye-hand coordination; corrected hearing and vision to normal range; verbal communication; use of tools, OHM meters, amp-meters, carbon dioxide/monoxide testers, hand and power tools, and a variety of building trades, tools, and equipment; use of maintenance equipment such as backhoes, graders, front end loaders, and snowplows.

**TYPICAL WORKING CONDITIONS:** Work is performed both in shop and outdoor environments; exposure to varying temperatures; exposure to smoke, gasses, dust, and chemicals; working around electrical current, and moving machinery parts; limited contact with staff and the public.

**DESIRABLE QUALIFICATIONS:**

Knowledge of:

- Methods, materials, tools, and equipment used in electrical work.
- Safe work practices and Federal and State safety regulations.
- Standard tools, methods, practices, and materials involved in high voltage work.
- Allen Bradley and Modicon PLC.
- Applicable provisions of electrical code.

Ability to:

- Perform a wide variety of skilled electrical work.
- Design and layout material from basic sketches.
- Estimate time and material required for electrical jobs.
- Read and interpret specifications, diagrams, schematics, and blueprints.
- Skillfully use a variety of hand and power tools.
- Design modifications to electrical, electronic surveillance and related equipment.
- Prepare clear, concise and accurate records of reports.
- Establish and maintain cooperative working relationships.
- Follow written and oral instructions.
- Perform basic computer skills including word processing, data development and CAD.
- Work under stress and in emergencies.

**Training and Experience:** Any combination of training and experience, which would likely provide the required knowledge and abilities, is qualifying. A typical way to obtain the required knowledge and abilities would be:

Two (2) years of experience in performing skilled electrical work.

Special Requirement: Possession of an appropriate valid and current California Driver's license required to meet the performance requirements of the position.

Must reside within sixty (60) miles of the Strawberry office.

**TRI-DAM PROJECT IS AN EQUAL OPPORTUNITY EMPLOYER.  
DRUG TEST REQUIRED.**