



**IRVINE RANCH WATER DISTRICT
invites applications for the position of:**

Electrical Technician

SALARY:\$32.76 - \$46.63 Hourly

**OPENING
DATE:** 01/07/20

CLOSING DATE:Continuous

GENERAL DESCRIPTION:

The Irvine Ranch Water District is accepting applications for an Electrical Technician who under general supervision will perform a wide variety of skilled journey-level duties in maintenance, design, modification, construction, installation, and repair of electrical and electronic systems, analytical and safety instrumentation, machinery, motors, equipment, devices, plant control systems, and related facilities of District domestic and reclaimed water distribution systems, sewage collection systems and water treatment.

SUMMARY OF DUTIES:

- Install, maintain, calibrate, repair, troubleshoot, test, and modify:
 - Electrical equipment and systems – electric motors, motorized valves, hand and power tools, conduit and wire systems, electrical inspections and start-up testing, building and area lighting, repair enunciation systems, access control systems, cathodic protection, etc.
 - Control Systems –Motor controls, variable frequency drives (VFD's), engine controls, lighting controls.
 - Power Distribution Systems – 5 KV power distribution systems, switchboards, motor control centers (MCC's), transformers, power panels, grounding systems, generators, automatic transfer switches, uninterruptable power supply (UPS) systems, solar arrays, etc.
 - Ability, when called upon, to work on analytical instrumentation, safety instrumentation and process control instrumentation.
- Read and interpret electrical drawings, schematics, power distribution drawings, control panel wiring diagrams, and installation manuals for electrical and instrumentation systems. Provide working drawings.
- Perform preventive, corrective, predictive, and demand maintenance on all electrical systems.
- Requisition supplies, materials, tools and equipment utilizing a computerized Purchase Requisition system.
- Process and track work orders utilizing a Computerized Maintenance Management system (CMMS).
- Ability to utilize the Oracle and other District utilized computerized system(s).

- Coordinate and work with outside agencies and companies to complete assigned tasks.
- Participate in the department after hours standby program.
- Work in vaults and other confined spaces utilizing proper safety techniques and equipment in accordance with Cal-OSHA, District, and departmental safety policies and procedures.
- Comply with District safety work-related practices and attend relevant safety training.
- Performs related duties as assigned.

QUALIFICATIONS:

Education:

- A combination of education and experience equivalent to the completion of 15 semester units of college electronics, or the technical school equivalent in the area of electricity or electronics is required. For degrees obtained outside of the U.S., an official equivalency evaluation is required.
- Associate's degree or technical school certification equivalent in electricity or electronics is preferred.

Experience:

- Two years of journey level experience installing and maintaining industrial or production electrical and electronic equipment is required.

Licenses and Certifications Required:

- Valid Class 'C' California Driver's License required.
- Grade I CWEA Electrical/Instrumentation Technologist Certificate desired.

ADDITIONAL INFORMATION:

For a complete job description, please visit: [Electrical Technician Job Description](#)

For more information regarding our benefits, please visit: [Benefits Information](#)

APPLICATIONS MAY BE FILED ONLINE AT:

<http://www.irwd.com>

15600 Sand Canyon Ave.
Irvine, CA 92618
949-453-5360
949-453-5360

Position #335
ELECTRICAL TECHNICIAN
MB

mbowers@irwd.com

Electrical Technician Supplemental Questionnaire

- * 1. What is your highest level of education?
 - Did not graduate from high school or receive GED
 - High school graduation or equivalent
 - Some college
 - Associates Degree
 - Associates Degree plus additional college
 - Bachelors Degree
 - Bachelors Degree plus additional college
 - Masters Degree
- * 2. How many years of journey level experience do you have in installing and maintaining industrial or production electrical and electronic equipment?
 - Less than one year
 - 2 to less than 4 years experience
 - 4 to less than 6 years experience
 - 6 to less than 8 years experience
 - 8 to less than 10 years experience
 - 10+ years experience
- * 3. How many college semester units of electronics or technical school equivalent in the area of electricity or electronics do you have?
 - No units
 - 1 to less than 15 units
 - 15 to less than 30 units
 - 30 to less than 60 units
 - Associate's Degree or 60 units
 - More than 60 units
- * 4. Please describe your specific experience working with 480Vac motor controls. Include starter sizes and horsepower.
- * 5. Please describe your specific experience installing, calibrating and maintaining process instrumentation. Include types of instrumentation, manufacturer and method of calibration.
- * 6. What is your highest level of CWEA Electrical/Instrumentation Technologist certification?
 - No certification
 - Electrical/Instrumentation Technologist I
 - Electrical/Instrumentation Technologist II
 - Electrical/Instrumentation Technologist III
 - Electrical/Instrumentation Technologist IV
- * 7. Can you perform the essential duties of the position with or without a reasonable accommodation?

Yes

No

* 8. Do you have a valid Class "C" Drivers' License?

Yes

No

* Required Question