



## **El Dorado Irrigation District**

# **JOB ANNOUNCEMENT**

**Position:** Construction & Maintenance Worker I/II- Hydro  
**Salary:** I: \$28.29-\$34.39 II: \$31.26-\$37.99  
**Date Opened:** December 19, 2023  
**Filing Deadline:** January 8, 2024 at 5:00 p.m.

**Interviews tentatively scheduled for the week of January 15, 2024.**

**Human Resources Technician: LV**

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The Human Resources Department is currently accepting applications for the position of **Construction & Maintenance Worker I/II** in the **Hydroelectric Division** of Operations. **This recruitment may be used to establish an eligibility list** for use to fill future vacancies.

Under supervision, performs a variety of maintenance, including patrolling canals and ditches ensuring they are free from hazards including trees, debris, snow and ice; identifies sections of canals and ditches in need of repair and either makes repairs or reports repair needs to supervisor; operates snow equipment in the patrol, maintenance and repair of canals and ditches. Performs dam inspections to ensure their integrity; makes repairs to dam surface. Operates and maintains water conveyance system including ditch and canal sections, wood and concrete flumes, tunnels, siphons, and penstock; monitors and regulates flows at diversion dam, spillways as well as flow levels in river, canals and tunnels; monitors and controls lake levels ensuring compliance with applicable FERC license requirements. Patrols canals and ditches to identify illegal water connections; reports to supervisor. Monitors and operates remote controlled SCADA systems to monitor and control canal/lake systems per FERC license requirements; monitors and maintains flow levels throughout system; monitors and responds to alarms. Performs flume and in-ground canal and ditch construction and repairs; prepares wood forms and reinforcing steel for concrete pours.

### **DISTINGUISHING CHARACTERISTICS**

**Construction and Maintenance Worker I** -This is the entry-level class in the Construction and Maintenance Worker series. Positions in this class typically have little or no directly related work experience. The Construction and Maintenance Worker I class is distinguished from the II level by the performance of less than the full range of duties assigned to the II level. Incumbents work under immediate supervision while learning job tasks, progressing to general supervision as procedures and processes of assigned area of responsibility are learned.

**Construction and Maintenance Worker II** - This is the journey level class in the Construction and Maintenance Worker series and is distinguished from the I level by the assignment of the full range of duties. Employees at this level receive only occasional instruction or assistance as new, unusual or unique situations arise and are fully aware of the operating procedures and policies within the work unit. Positions in this class are flexibly staffed and are normally filled by advancement from the I level. This class is distinguished from the Construction and Maintenance Worker III in that the latter performs the most difficult and responsible types of duties assigned to classes within this series and may provide technical and functional supervision over assigned staff.

**EXAMPLES OF ESSENTIAL DUTIES:** *the duties specified below are representative of the range of duties assigned to this class and are not intended to be an inclusive list.*

- Patrols canals and ditches ensuring they are free from hazards including trees, debris, snow and ice; identifies sections of canals and ditches in need of repair and either makes repairs or reports repair needs to supervisor; operates snow equipment in the patrol, maintenance and repair of canals and ditches.
- Performs dam inspections to ensure their integrity; makes repairs to dam surface.
- Operates and maintains water conveyance system including ditch and canal sections, wood and concrete flumes, tunnels, siphons, and penstock; monitors and regulates flows at diversion dam, spillways as well as flow levels in river, canals and tunnels; monitors and controls lake levels ensuring compliance with applicable FERC license requirements.
- Patrols canals and ditches to identify illegal water connections; reports to supervisor.
- Monitors and operates remote controlled SCADA systems to monitor and control canal/lake systems per FERC license requirements; monitors and maintains flow levels throughout system; monitors and responds to alarms.
- Performs flume and in-ground canal and ditch construction and repairs; prepares wood forms and reinforcing steel for concrete pours.
- Excavates concrete, pavement, and dirt and set up concrete forms as necessary, and backfills and compacts open trenches and completes surfaces “to-finish” as appropriate.
- Sets up safe and effective traffic control zones including signs, cones, flags, barricades, lights, CMS boards, arrow boards and rumble strips; directs traffic safely through work zones.
- Reads and interprets utility system maps and blueprints, including Underground Service Alert marking and 811 notification.
- Performs routine preventive maintenance on tools, equipment, and vehicles used in the work and stocks vehicles with adequate supply of tools and equipment needed to perform the work.
- Assists with and coordinates with other divisions and departments for repair and maintenance activities, special projects, and capital improvement projects.
- Interacts with and addresses customer issues and complaints.
- May use a computer to enter and retrieve information related to work assignments and record keeping.
- Builds and maintains positive working relationships with co-workers, other District employees, and the public using principles of good customer service.
- Performs related duties as assigned.

**QUALIFICATIONS:** Any combination of experience and training that would provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

### **Construction & Maintenance Worker I**

**Knowledge of:** Uses and purposes of general construction tools and equipment. Safe work practices. Principles of customer service. Basic mathematics.

**Skill/Ability to:** Learn to effectively perform utility construction, maintenance and repair tasks associated with utility infrastructure and facilities. Learn to operate a variety of hand tools and light and medium equipment safely. Learn and apply safe work practices including traffic control procedures, trench shoring, and confined space entry procedures. Learn to locate and repair leaks and breaks and to troubleshoot water quality and pressure problems. Establish and maintain effective working relationships with those contacted in the course of work. Communicate clearly and concisely, both orally and in writing. On a continuous basis, know and understand operations, and observe safety rules; intermittently analyze problem equipment; identify and locate equipment; interpret work orders; remember equipment location; and explain jobs to others. Ability to maintain reliable attendance is a condition of employment subject to applicable medical and disability leave laws. Intermittently, sit while studying or preparing reports; bend, squat, climb, kneel and twist when performing installation/repair of equipment; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of inspection, 50 pounds or less.

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

**Experience:** One year of general construction experience desirable.

**Education:** Equivalent to completion of the twelfth grade.

**License and Certificate:** Possession of or the ability to obtain a Class B California Driver's license within twelve months of appointment is required for the Construction and Maintenance Worker I classification. District provided training and behind-the-wheel drive time necessary to prepare and pass the Class A/B driver license examination is at no cost to employee.

Possession of a Class A California Driver's License and/or one year of underground construction or related field experience is highly desirable.

### **Construction and Maintenance Worker II**

In addition to the qualifications for the Construction and Maintenance Worker I:

**Knowledge of:** Methods and practices of installing, repairing and maintaining water distribution, collection, canal and ditch systems. Methods, techniques, tools and operating characteristics of mechanical equipment used in the construction and maintenance of utility systems. Pertinent local, State and Federal laws, ordinances, rules and regulations.

***Skill/Ability to:*** Independently perform installation, repair and maintenance duties associated with the District's utility infrastructure and water conveyance system. Safely operate a variety of light to heavy construction equipment and hand tools. Read maps to locate pipelines and facilities. Recognize hazardous working conditions and take appropriate action. Address and resolve customer concerns. Locate and repair leaks and breaks. Troubleshoot water quality and pressure problems. Respond to emergency situations. Ensure a safe working environment in the absence of Senior Construction and Maintenance Worker.

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

***Experience:*** Two years of responsible experience similar to Construction and Maintenance Worker I with the El Dorado Irrigation District.

***Education:*** Equivalent to completion of the twelfth grade.

### **SPECIAL QUALIFICATIONS**

***License and Certificate:*** Possession of a Class A California driver's license.

**Successful Completion of Cal Poly San Luis Obispo Irrigation Training & Research Center 1) Flow Measurements & Canal Operation Course, or similar course, from a recognized training or higher learning institution when assigned to Hydro Canal and Ditch and Lake Systems within twelve months of appointment.**