



# Job Opening: Hydroelectric Mechanic

**Pay Range: \$43.91 - \$50.49/hour**

## Definition

Under direction of the O&M Supervisor or his designee, performs mechanical maintenance and repair work on hydroelectric generating plant equipment.

## Duties and Responsibilities

Essential duties and responsibilities include the following:

- Perform work related to the maintenance and repair of large and complex equipment such as piping systems, gear boxes, drive mechanism, pumps, compressors, hydraulic power and pressure units, refrigeration and air conditioning systems, valves, penstocks, gates, trash racks, turbines, motors, and generators.
- Test, adjust, service and maintain various mechanical meters and gates used in measuring capacity, flow, pressure, temperature, and velocity of liquids and/or gases.
- Perform welding, burning, cutting and grinding as required
- Operate an overhead crane or assist in rigging as required.
- Other duties as assigned.

## Employment Standards

Knowledge of:

- Principles, methods, materials, tools and equipment used in a general machine shop and those used to repair large turbines, generators, motors, pumps, valves, and intake structures used in a large hydroelectric generating plant.
- Safety Orders of the Division of Industrial Safety dealing with electrical, welding, rigging, and mechanical systems.
- Techniques used in welding, rigging, and crane operating.

Ability to:

- Read blueprints and work from plans and specifications.
- Add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, decimals, trigonometry, and other mathematics normally required of this trade.
- Interpret a variety of instructions furnished in written, oral, diagram, or schedule form.
- Communicate effectively orally and in writing.
- Analyze situations and take effective action.
- Establish and maintain cooperative working relationships.

### Typical Physical Activities

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Regularly use hands to finger, handle, or feel objects, tools, or controls.
- Reach with hands and arms.
- Stand; walk; climb or balance; and stoop, kneel, crouch, or crawl.
- Occasionally required to sit or stand for periods of time.
- Regularly lift and/or move up to 10 pounds, frequently lift and/or move up to 25 pounds, and occasionally lift and/or move up to 50 pounds.
- Hearing and vision within normal ranges.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, and depth perception.
- May work in outside weather conditions.
- Regularly exposed to high voltage and pressures and moving mechanical parts.
- Occasionally works in high, precarious places.
- Occasionally exposed to wet and/or humid conditions and vibration.

The noise level in the work environment is usually moderate to loud.

### Education and Experience

Any combination of education and experience that will provide the necessary knowledge and abilities will be considered acceptable.

A typical way to obtain the knowledge and abilities would be:

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

**Experience:** Completion of a recognized apprenticeship as a hydroelectric plant mechanic or machinist.

or

One year of journeyman experience maintaining and repairing heavy equipment of the type used in hydroelectric generating plants.

May be required to maintain a valid vehicle operator's license.

This position is covered by the Memorandum of Understanding with Stationary Engineers, Local 39.

**To Apply:** Submit cover letter and resume to the Manager of Human Resources at [hrchief@krcd.org](mailto:hrchief@krcd.org) or mail to 4886 E. Jensen Ave., Fresno CA 93725



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