



Posted: December 8, 2017

Open until filled

Hydro Engineer – Electrical

Full-time/Benefitted
\$99,632-\$121,097 annually
Exempt position



This flyer lists the major duties and requirements of the job and is not inclusive of all job duties.

DESCRIPTION

Under general direction of the Power System Principal Engineer, to provide a wide variety of moderate to complex engineering and other tasks in support of the Agency's hydroelectric facility. This position will work in the Engineering function of the Agency. This position will perform duties including project management of non-routine and capital projects, engineering design, maintenance and compliance support, special projects, and other related duties as assigned.

DISTINGUISHING CHARACTERISTICS

The Hydro Engineer-Electrical a journey level classification in the Hydro Engineer series directly reporting to the Principal Hydro Engineer and ultimately, the Power Systems Manager, and is distinguished from the Senior Hydro Engineer by the assignment of the full range of duties. Employees at the journey level receive instruction or assistance as new, unusual or unique situations arise and are fully aware of the operating procedures and policies within the work unit. This position needs to be able to work collaboratively with peers, maintenance and operating personnel, administrative staff and upper management to achieve Agency objectives. The Hydro Engineer-Electrical will also be assigned projects requiring application of basic mechanical and/or civil engineering fundamentals. Work is performed with a broad framework of general policy, and requires creativity and resourcefulness to accomplish goals and objectives. All work is expected to be carried out in a professional, ethical, organized, accurate, secure, timely and confidential manner.

EXAMPLES OF ESSENTIAL DUTIES

Duties of the working Hydro Engineer (Civil, Mechanical or Electrical) may include, but are not limited to:

The working Hydro Engineer-Electrical may act in a lead capacity, or as part of a team, and will be responsible for portions or complete projects. These projects would be both maintenance and capital work to be taken through planning, justification, approval, supporting studies/testing, design, construction oversight, and project close out processes. The Hydro Engineer will assist the Agency's Chief Dam Safety Engineer to support the Agency's Dam Safety Program. The ideal candidate would have knowledge of the principles and practices of Electrical engineering related to hydrogenation and water collection projects and facilities. This position will conduct studies, analysis, investigations, provide reports and make recommendation to management on a correct plan of action going forward. This position will provide assistance and support to crews performing maintenance, repairs, modification or installation work on hydroelectric facilities. This position will interfaces with and manage outside consultants in support of engineering needs of the Agency. This position will inspect and analyze project features such as dams, tunnels, penstocks, spillways, intake structures, powerhouses and roads. This position will support the preparation of Requests for Proposals (RFP's), bid documents and specifications for related services and equipment, contracts and agreements. This position will prepare reports, keep records, revise drawings, draft practices and internal standards, assist other trades, organize

work, set priorities, meet critical deadlines, and follow up on assignments. The Hydro Engineer-Electrical will work with all personnel inside and outside the Agency including staff, managers, contractors and the public. This position will support identifying hazards in the work place and preparing Job Hazard Analyses.

CAPABILITIES AND REQUIREMENTS

The Hydro Engineer-Electrical must have the ability to see well enough to read fine print and view a computer screen; speak and hear well enough to understand, respond and communicate clearly, orally and in writing, have independent body mobility to stand, sit, walk, stoop, climb stairs (640 feet of rise), have dexterity of climb in and out of close quarters and be able to walk up to 3-5 miles in steep terrain in a day, the ability to bend to access the work environment and a standard office environment; manual dexterity and sufficient use of hands, arms and shoulders to repetitively operate a keyboard and to write, the ability to sit or walk for prolonged periods of time, and use the required safety equipment including safety hard hats, belts, harnesses, face guards, safety glasses and goggles, safety shoes, protective clothing, ear protection and other safety equipment where necessary. Must be able to lift and carry 35 lbs., in accordance with safe working practices and to comply with all Agency equipment and safety policies and procedures, and California Occupational Safety and Health Administration (CALOSHA) rules and regulations. Must be able to respond to after-hour calls, reside close enough to respond within one hour, and work overtime as needed.

DESIRABLE TRAINING, EXPERIENCE & LICENSES:

QUALIFICATIONS:

The minimum and preferred requirements are listed below. While the following requirements outline the minimum qualifications the Agency reserves the right to select applicants for further consideration who demonstrate the best qualifications match for the job. Meeting the minimum qualifications does not guarantee further participation in the selection process.

EDUCATION AND EXPERIENCE:

MINIMUM:

- A Bachelor's degree from an ABET accredited college or university in Electrical Engineering.
- 2-5 years of increasingly responsible engineering experience.

PREFERRED:

- 5-10 years of increasingly responsible engineering experience.
- Two or more years of experience in hydroelectric generation and/or water collection facility and/or a closely related field.

LICENSES AND CERTIFICATIONS:

MINIMUM:

- Engineer in Training (EIT) or Fundamentals of Engineering (FE) Certificate.
- Possession of a valid California Class C driver's license and maintenance of an acceptable driving record.

PREFERRED:

- Project Management Professional (PMP) Certification is highly desired.
- Electrical Professional Engineer (PE) license is highly desired or the ability to obtain.

POST OFFER/PRE-EMPLOYMENT PHYSICAL:

Employment is subject to passing a physical examination, including a drug test and pre-employment background check.

EMPLOYEE BENEFITS:

Vacation: 15 days per year. Sick leave: 15 days per year. Holidays: 13 days per year. Health Insurance (medical, dental, vision): Agency will pay full cost of Health Insurance for employee and dependents equivalent to the least expensive plan available to any qualified employee.

Retirement: CalPERS: Classic Members- 2%@55 plan final 12 months, (Agency pays 5% of the employee contribution for classic members only); New Members – 2%@62 final 36 months. Employee contributions are fully refundable with interest upon termination; vested after 5 years. The Agency does not participate in Social Security, but contributes to a deferred income plan in lieu of Social Security. Life Insurance: Agency pays for a \$50,000 life insurance policy.

HOW TO APPLY:

Qualified persons interested in applying for the Hydro Engineer-Electrical position shall submit a completed Yuba County Water Agency job application, a cover letter, resume. To request a job application or further information, please contact Keri McCutcheon at 530-740-7082, by e-mail at personnel@ycwa.com, or in person or by mail at 1220 F Street, Marysville, CA 95901. **Please send application and resume to the Yuba County Water Agency-Human Resources Department.**

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