

CITY OF ALAMEDA
invites applications for the position of:



Electrical Engineer - Entry-Level and P.E.

SALARY: \$40.86 - \$67.06 Hourly
\$76,489.00 - \$125,534.00 Annually

DEPARTMENT: Alameda Municipal Power

OPENING DATE: 09/09/19

CLOSING DATE: 09/23/19 05:00 PM

FLSA STATUS: Exempt

NATURE OF POSITION:

Alameda Municipal Power (AMP) is currently recruiting to fill one vacancy at either the entry-level (Distribution Engineer) or professional engineer level (Electrical Engineer).

This is an **exciting opportunity** to be a part of a **highly skilled team** of electrical engineers and perform work that has a **significant impact** in the local community. Please note that this position is **36 hours per week over 4 days (Monday through Thursday or Tuesday through Friday)** but is considered full-time with benefits. Please read on to learn more about AMP and this career opportunity.

Compensation Ranges:

Distribution Engineer (FLSA non-exempt): \$40.86 to \$49.66/hr (\$76,489 to \$92,963/yr)

Electrical Engineer (FLSA exempt): \$103,277 to \$125,534/yr

About Alameda Municipal Power

In 1887, the City of Alameda paid \$20,000 for the installations of 13 streetlights and a 90-kW generating station to power them. And with that, the oldest public electric utility west of the Mississippi was created. Today, the City of Alameda is still in the power business and still a trendsetter. Now known as Alameda Municipal Power (AMP), we have survived over a century and a quarter of utility mergers that created behemoths in other places. AMP has provided safe reliable power at lower rates without sacrificing service to power our community. We maintain local control so that we can re-invest in the island and provide value to enrich our lives, businesses, and the community. We've seen a lot of change in 132 years, but through it all there's been one constant: We're as committed today to delivering safe and reliable electricity to the residents and businesses of Alameda as we were in 1887. We'll continue to invest in new and improved ways of doing business to manage costs, improve our service, and improve the environment.

About the Division/Position

The Engineering Division is responsible for the planning and technical aspects of the electrical transmission and distribution system. They maintain system maps and drawings, perform customer service planning and system design, create material and construction specifications, administer the joint pole program, and perform technical system studies.

Here are some examples of typical job duties:

Distribution Engineer

- Assists in the preparation of plans, specifications and estimates for various electrical utility installations; researches project design requirements, determines applicable standards, performs engineering calculations and prepares estimates of time and material costs.

- Assists in the performance of various feasibility studies; system planning; system protection; power quality analysis; transformer loading and voltage surveys; prepares estimates and feasibility reports for new or modified electrical transmission, distribution and substations projects.
- Monitors system power factor reports; recommends capacitor installation and prepares capacitor control settings to maintain system power factor.
- Prepares special conditions and technical specifications for electrical equipment to be purchased and recommends installation; writes and reviews material standards and operating procedures.
- Reviews bids and proposals, recommending award of contracts and monitoring progress of capital improvement projects and professional services contracts.
- Investigates field problems affecting property owners, contractors and maintenance operations; works with and provides guidance for the utility's customers in matters pertaining to system protection, demand control, and power factor correction.
- Determines electrical requirements for service to special facilities, service upgrades, residential tracts and commercial developments; and obtains easements and right-of-ways for department facilities

Electrical Engineer

- Prepares and may supervise the preparation of plans, specifications and cost estimates for the construction and repair of overhead and underground electric power transmission, distribution and street light systems.
- Manages utility construction projects, taking responsibility for contract administration, schedule coordination, public relations, liability claims, inter-utility coordination, and quality control. Field decisions and supervision of tests may be required.
- Makes recommendations for the electric utility in areas such as electric power, transmission, distribution substations, system operation, system protection, metering, energy management, lighting, communications, load forecasting, system planning, budget planning, transmission and distribution routing studies and easement acquisition.
- Works with and provides guidance to the utilities' customers in establishing utilities' service requirements and efficient usage and outside consultants working on major programs.
- Coordinates construction operation and maintenance of system transmission, distribution and generation with other utilities.
- Monitors utility compliance with State and Federal regulations; makes recommendations and may develop and implement procedures for compliance.
- Develops and implements operation, maintenance, and testing procedures for utility facilities.
- Performs complex electrical calculations and analysis; conducts various studies in areas such as protection coordination, system planning and load forecasting.
- Assists in long-range planning of utility capacity and reliability.
- Assists in the preparation of the utility's annual budget and capital improvement plans.
- Supervises, trains, and evaluates assigned staff.

Qualifications to Apply

DISTRIBUTION ENGINEER

Education: Graduation from an accredited four year college or university with major course work in electrical engineering, construction management and/or utility project management.

Experience: Construction project management and/or estimating is desirable, electrical emphasis preferred. Engineer-in-Training (EIT) designation also preferred.

We will also consider an equivalent combination of education and experience that meets the stated requirements in the job description.

Please click [here](#) to view the job description for Distribution Engineer.

ELECTRICAL ENGINEER

Education: Graduation from an accredited four year college or university with major course work in Electrical Engineering and **Registration as a Professional Electrical Engineer** with the State of California (or equivalent).

Experience: Three years of professional utility power system engineering experience.

We will also consider an equivalent combination of education and experience that meets the stated requirements in the job description.

Please click [here](#) to view the job description for Electrical Engineer.

Selection Process

Applications and questionnaires will be evaluated and candidates whose experience is evaluated as "best qualified" will be invited to an examination process. The examination for this recruitment will consist of a questionnaire review and a structured panel interview. **The interviews are tentatively scheduled for the week of October 14, 2019**

Highlighted Benefits

- 4 day work week/36 hours per week
- Employer-paid medical contribution covers premiums for you and your family
- Employer-paid dental/vision contribution covers premiums for you and your family
- Generous pension program (CalPERS retirement)

The examination process may test for, but is not limited to, the essential knowledge and abilities listed in the job specification and announcement and will be designed to provide a comprehensive review of each candidate's technical knowledge and overall suitability for the position. Qualified applicants will be notified of the exact date, time, and location of examinations approximately two weeks in advance. If applicants have not received written notice at least one week prior to the tentative test date listed in the flyer, they should contact the City of Alameda Human Resources Department at (510) 747-4900.

Candidates passing all components of the examination process will be placed on an Eligible List. A list of names is certified to the department(s) having vacancies based on the type of examination conducted pursuant to the provision of the City's Civil Service Rules. Final selection will be made from the Eligible List by the Department Head subject to approval by the City Manager. The Department Head may utilize additional selection procedures to make a final hiring decision. Placement on an Eligible List does not guarantee employment. Prior to appointment, a thorough reference check will be conducted which may include a credit check and background. The selection process may be evaluated and revised based on the number of qualified applicants. Federal law requires that prior to employment, you must furnish proof of your identity and eligibility for employment in the United States, as required by U.S. Citizenship and Immigration Services.

VETERAN'S PREFERENCE CREDIT: A job applicant qualifies as a veteran if honorably discharged from active military, reservist, or National Guard duty of at least 18 consecutive months within the past five (5) years of the date of application. In case of discharge attributable to service-connected injuries or illnesses, the 18 months active duty requirement need not be fulfilled. An applicant claiming veteran's preference credit must attach to their application, a legible copy of their DD-214 verifying the type of discharge and date(s) of active service. NO OTHER DOCUMENTATION WILL BE ACCEPTED.

AN EQUAL OPPORTUNITY EMPLOYER: The City of Alameda encourages minorities, women and the disabled to apply. It is the City's policy that all aspects of employment and promotion shall be without regard to sex, marital status or disability (except where dictated by requirements of the position), race, sexual orientation, political affiliation, religious creed, color, national origin or age. Qualified disabled persons must be able to perform the essential functions of the position with or without reasonable accommodations. No individual may pose a direct threat to the health or safety of himself/herself or other individuals in the workplace. Barring undue hardship, reasonable accommodations can be made in the application and examination process for disabled individuals or for religious reasons. Requests for reasonable accommodation should be made in advance to the Human Resources Department. Hearing Impaired TDD (510) 522-7538.

The information contained herein is subject to change and does not constitute either an expressed or implied contract.

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(510) 747-4900

HR@alamedaca.gov

Electrical Engineer - Entry-Level and P.E. Supplemental Questionnaire

* 1. Are you currently registered as a Professional Electrical Engineer?

Yes No

* 2. Do you have your Engineer-in-Training certificate?

Yes

No

Not Applicable - answered yes to P.E. question

* Required Question