City of Alameda

Distribution Engineer / Electrical Engineer

SALARY	See Position Description	**LOCATION**	Alameda, CA
JOB TYPE	Full Time	**JOB NUMBER**	2024-7230-01
DEPARTMENT	Alameda Municipal Power	**OPENING DATE**	05/21/2024
FLSA	Exempt	**BARGAINING UNIT**	EUPA
FLSA STATUS	Exempt		

Nature of Position

Alameda Municipal Power (AMP) is currently looking to fill two (2) full-time engineer position. This is an exciting opportunity to fill a critical role in an organization that values and prioritizes workplace safety. These roles will be fill at the **Distribution Engineer or Electrical Engineer level.**

Please review the following information closely as classification requirements, desirable qualifications, and salary vary based on classification level.

Compensation Ranges

Distribution Engineer: $46.90 - $56.99 hourly (non exempt)
Electrical Engineer: $118,528 - $144,071 annually (exempt)

Benefits of Employment

For a comprehensive list of benefits, see the Benefit Matrix here (Download PDF reader)

- ***Four-day, 36-hour work week (typically Monday through Thursday)***
- **Salary:** 2.5% base salary increase effective July 2024.
- **CalPERS Retirement:** Classic Members: 2% at 55 formula, 8.868% contribution; New Members 2% @ 62 formula, 8.25% contribution.
- **Medical:** The City contracts with CalPERS to provide comprehensive health coverage to employees. Multiple HMO and PPO plans available, with a generous City contribution towards medical premiums.
- **Dental:** Comprehensive dental coverage provided to employees and their eligible dependents.
- **Vacation:** Starting with 75 hours annually and increasing with years of service.
- **Management Incentive Leave (*exempt positions only*):** 27 hours of management leave per fiscal year.
- **Holidays:** 11 City Holidays
- **Floating Holidays:** 3.5 days
- **Sick Leave:** 90 hours annually; unused sick leave is converted to service credit at retirement.
- **Deferred Compensation**: Up to 1% 457(b) matching City contribution after 1 year of continuous service.

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 130 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 Position
This is a dynamic time for electric utilities and AMP's Engineering & Operations Division plays a key role in shaping the design, construction, and operation of the transmission and distribution system. The Engineering Section works very closely with the Operations Section (Line, Substations, Metering, and System Control) to achieve safe and reliable distribution of electricity every day. As part of the team, you will have the opportunity to create and implement a variety of programs that help in achieving AMP's goals and vision.

Under direction, the **Distribution Engineer** performs engineering duties in the utility power system areas of estimating, planning, general engineering design, and operations analysis, including the construction, maintenance and removal of utility facilities; provides technical assistance in the implementation of plans and programs and may work cross-divisionally and with external and internal customers on various projects, providing technical guidance and information; and performs other related work as required.

Under direction, the **Electrical Engineer**, in addition to the Distribution Engineer duties, performs responsible electric utility power engineering involving planning, general engineering design, and operations analysis; performs other related work as required such as design support for substation and metering.

We are looking for a colleague with exceptional technical knowledge, program and project management skills, attention to detail, excellent communication skills, and an interest in learning new skills to meet the ongoing needs of the highly dynamic energy sector.

Distinguishing Features

Distribution Engineer: This is the entry class in the professional engineering series involving electrical engineering work. The class differs from Electrical Engineer because the tasks assigned are less complex, and it does not have supervisory responsibility.

Electrical Engineer: Under direction performs responsible electric utility power engineering involving planning, general engineering design, and operations analysis; performs other related work as required.

Examples of Duties

For a comprehensive list of example duties for the **Distribution Engineer** classification, please click here.

For a comprehensive list of example duties for the **Electrical Engineer** classification, please click here.

EXAMPLES OF DUTIES

1. 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.
2. 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.

3. Monitors system power factor reports; recommends capacitor installation and prepares capacitor control settings to maintain system power factor.
4. Prepares special conditions and technical specifications for electrical equipment to be purchased and recommends installation; writes and reviews material standards and operating procedures.
5. Reviews bids and proposals, recommending award of contracts and monitoring progress of capital improvement projects and professional services contracts.
6. 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.
7. 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
8. Perform short circuit, protection coordination, load flow and arc flash studies of AMP distribution systems.
9. Coordinates with field personnel for design and construction support.

Employment Standards

Possession of the employment standards does not assure advancement to the Examination or placement on the Eligible List. This is a competitive examination where a candidate's performance in the Examination will be judged in comparison with the core competencies required of the job. To be considered, applicants should possess the combination of education and experience necessary to prove the required knowledge and abilities for the position. A typical way to obtain the knowledge and abilities would be:

Education/Experience
Any combination equivalent to education and experience likely to provide the required knowledge and abilities. A typical way to obtain the knowledge and abilities would be:

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

Experience:
Distribution Engineer: Construction project management and/or estimating is desirable, electrical emphasis preferred.
Electrical Engineer: Three years of professional utility power system engineering experience.

Knowledge

Electrical engineering principles and practices as applied to an electric utility; methods, materials and techniques used in the construction of electric transmission, distribution and substation projects; policies and regulations governing the construction, extension and maintenance of electrical utility facilities.

Abilities

Prepare engineering plans and specifications; performing engineering computations; interpret and apply established policies, procedures and codes; interpret and apply governmental regulations; interpret computerized information and utilize computer equipment; use and learn computer programs for spreadsheet, database, word processing, engineering analysis and GIS data input; establish and maintain accurate records; maintain level of knowledge required for satisfactory

job performance; communicate effectively orally and in writing, assimilate and understand information; establish and maintain effective working relationships with employees and the general public, maintain physical condition appropriate to the performance of assigned duties and responsibilities which may include walking, standing or sitting for extended periods of time.

Other Requirements

Possession of a valid California Driver's License and satisfactory driving record at the time of appointment is required as a condition of initial and continued employment only if the operation of a vehicle, rather than the employee's ability to get to/from various work locations in a timely manner, is necessary to perform the essential functions of the position.

Distribution Engineer: Possession of an Engineer-in-Training Certificate is desirable.
Electrical Engineer: Registration as a Professional Electrical Engineer with the State of California.

SELECTION PROCESS:
It is important that both the application on and questionnaire are completed thoroughly and accurately. 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.

E-VERIFY:
The City of Alameda utilizes the Federal government's E-Verify program and new employees must provide documentation to establish both identity and work authorization, which includes showing a valid United States Social Security card at the time of hire (photocopies not accepted).

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 In compliance with local, state and federal laws and regulations, the City of Alameda will employ and promote qualified individuals without regard to disability. The City is committed to making reasonable accommodations in the examination process and in the work environment. Individuals requesting reasonable accommodations in the examination process must do so no later than the final filing date for receipt of applications, otherwise it may not be possible to arrange accommodations for the selection process. Such requests should be addressed to the Human Resources Department | 1-510-747-4900 | hr@alamedaca.gov | 2263 Santa Clara Avenue, Rm. 290, Alameda, 94501. Requests can be made via email, phone, or in writing via U.S. mail.

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

Agency
City of Alameda

Address
2263 Santa Clara Avenue, Rm. 290

Alameda, California, 94501

Phone
(510) 747-4900

Website
https://www.alamedaca.gov/Departments/Administration/Human-Resources

Distribution Engineer / Electrical Engineer Supplemental Questionnaire

*QUESTION 1

Be sure to answer the supplemental questions thoroughly and accurately. Answers to the supplemental questions must be supported by the experience section of the application. Additionally, "See Resume" or "N/A" as a response will not be considered sufficient information to determine your eligibility to move forward in the selection process. Incomplete responses, false statements, omissions, or partial information may result in disqualification from the selection process. I have read and understand the statement above concerning submission of supplemental questionnaire responses.

- ◯ Yes
- ◯ No

*QUESTION 2

Which of the following registrations do you currently posses? (Specify all that apply):

- ◯ Professional Electrical Engineer in the State of California
- ◯ Out of state registration as a Professional Electrical Engineer
- ◯ Engineer-In-Training Certificate
- ◯ None of the above

*QUESTION 3

If registered as a Professional Electrical Engineer in the State of California, please provide your California Professional Engineer license number. If not applicable or in progress, please put "N/A" or state progress of licensure.

* Required Question