

<a href="#">Salary Schedule</a>	<a href="#">MOU</a>	<a href="#">Benefits</a>
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City of Alameda  
Code No. 7250  
Approved by C.S.B.  
September 4, 1991

**ELECTRICAL DISTRIBUTION TECHNICIAN**

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**DEFINITION**

Under supervision performs responsible technical work in connection with the design, drafting, inspection and cost estimating in the construction and operation of electric, overhead and underground high-voltage transmission, distribution and street light systems and performs other related work as required.

**EXAMPLES OF DUTIES**

1. Prepares plans, specifications and cost estimates for the construction and repair of overhead and underground electric power transmission, distribution and street light systems.
2. Processes incoming requests for electric service; researches and determines electrical requirements for service to residential and commercial developments.
3. Coordinates electric utility construction with contractors, developers and other agencies; obtains easements and rights-of-ways; administers joint pole agreements and maintains joint pole records.
4. Determines the effects of proposed work on existing electric utility facilities and the feasibility of alternate construction proposals.
5. Assists in field coordination, field surveys, transformer load surveys and development plan checking.
6. Performs construction inspection of underground and overhead facilities, and locates and marks underground systems.

**EMPLOYMENT STANDARDS**

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: Graduation from an accredited college or trade school with an Associate Degree in engineering technology.

Experience: One year of construction inspection experience including underground utility facilities inspection.

Knowledge

Knowledge of the principles and practices of electrical engineering; methods and materials used in construction of electric utility facilities; policies and regulations governing the construction, extension and maintenance of electric utility facilities; methods and techniques of engineering, CADD drafting, and estimating.

Ability

Ability to perform office and field design work related to utility power distribution systems; prepare complete plans and estimates of electric utility projects; use and care for engineering and drafting instruments and equipment; perform moderate to complex engineering calculations with speed and accuracy; interpret and apply established policies, procedures and codes; interpret and apply complex governmental regulations; interpret computerized information and utilize computer equipment; establish and maintain accurate records; maintain level of knowledge required for satisfactory job performance; communicate effectively and establish and maintain effective working relationships with employees and the general public.

Other Requirements

Possession of a valid California Driver's License and satisfactory driving record as a condition of initial and continued employment.