



**CITY OF UKIAH**  
invites applications for the position of:

## **Electrical Engineering Technician III**

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<b>SALARY:</b>	\$45.29 - \$55.05 Hourly \$7,850.50 - \$9,542.34 Monthly \$94,206.00 - \$114,508.08 Annually
<b>DEPARTMENT:</b>	Electric Utility
<b>OPENING DATE:</b>	07/28/22
<b>DESCRIPTION:</b>	

*Recruitments posted as "Continuous" are subject to close at any time following an initial two-week post period. Upon closing, the applications received will be screened and notices will be sent to the applicant regarding the status of their application.*

Under general supervision, to perform a variety of sub-professional office and field engineering work in the planning, design, construction, operation, and maintenance of an electrical distribution system; to assist other engineering staff in the performance of office and field engineering work; and to perform related work as assigned. The Electrical

Engineering Technician III is the skilled class in this sub-professional engineering series. An increased level of experience, expertise and responsibility is required above the Electrical Engineering Technician I and II positions which demonstrates a journey level of proficiency.

### **JOB REQUIREMENTS:**

*These examples are intended only as illustrations of the various types of work performed. The examples of work performed are neither restricted to nor all-encompassing of the duties to be performed under this job title.*

- Perform technical engineering work in support of planning, design, construction, operation, and maintenance of electrical distribution systems; assist other engineering staff in the performance of office and field engineering work.
- Project manage contractors completing various projects for the City, including underground joint trench projects and overhead pole replacements.
- Design joint trench projects using City standards and incorporating General Order 128 rules.
- Evaluate solar equipment to determine and ensure conformance with State of California eligibility list and related requirements.
- Assist in determining the effects of proposed work on existing electric utility facilities and the feasibility of alternate construction proposals.
- Develop and maintain Electric Department standards for new and existing installations.
- Maintain the Geographical Information System (GIS) for new and existing installations.
- Maintain Electric system mapping and facilities maps and databases using AutoCAD, ESRI and Excel.
- Prepare detailed plans, specifications, and cost estimates in connection with the construction, maintenance, or removal of a variety of electrical facilities such as service drops, line extensions, transformers, meters, switch gear, and street lighting.
- Determine proper wire sizes and metering equipment.
- Determine transformer sizes and combinations for given loads on the distribution system.
- Maintain electrical and traffic system maps and records.
- Obtain easements for electric system facilities.
- Inspect the installation of electrical substructures and equipment.
- Respond to citizen complaints and questions.

- Coordinate electrical distribution system, traffic signal, and street lighting activities with other City department and divisions, and with outside agencies.
- Other duties and special assignments, as assigned.

## **MINIMUM QUALIFICATIONS:**

### **Knowledge of:**

- Standards, methods, materials and equipment used in the construction, operation, and maintenance of an electrical distribution system.
- Fundamentals of electrical engineering.
- Safety practices and regulations.
- Mathematics including algebra, geometry, and trigonometry.
- Methods and tools of drafting.
- Computer applications, including Computer Aided Drafting and Design (AutoCAD).

### **Ability to:**

- Train others (subordinates, peers, supervisors) on new and existing technologies.
- Interface with vendors on implementation of new technologies.
- Review plans and documents for conformance to regulations.
- Gather data and make accurate engineering computations.
- Prepare plans and specifications, neatly and accurately.
- Prepare and carry out oral and written instructions with minimum of supervision.
- Establish and maintain cooperative relationships with those contacted in the course of work.
- Build and maintain positive working relationships with co-workers, other City employees, and the public using principles of good customer service.
- Be an integral team player, which involves flexibility, cooperation, and communication.
- Lift and carry twenty-five (25) pounds on occasion.
- Tolerate changes in outside temperature from winter to summer and tolerate dust, pollen, wind and rain.
- Sit or stand for long periods of time.
- Walk on uneven or steep ground.

### **Experience:**

Minimum of six years of increasingly responsible experience in the construction, operation, and maintenance of electrical distribution system.

### **Education:**

- Equivalent to completion of the twelfth grade, including or supplemented by courses in basic electricity, algebra, geometry, and trigonometry.
- Completion of NWPPA Staking Technician Class Series or equivalent.
- AutoCAD Certification.
- ESRI coursework desirable.
- Employees in this classification are required to train and to obtain the Rubber Glove training and certification as an observer.

### **Necessary Special Requirements:**

Possession of a Class C California Driver's License.

### **Residency Requirement:**

All members of the Electric Unit shall be expected, within six months of hire, to establish residence allowing response to the Electric Shop within 35 minutes of notification to report.

## **SELECTION PROCEDURE:**

Applications must be filled out completely. Applications will be reviewed by a screening committee and the applicants who appear to be among the best qualified will be selected for the examination process. This process may include a variety of techniques designed to test applicants' knowledge, skills, and abilities to perform the duties and responsibilities of the job. An eligibility list will be established by ranking candidates by their overall score and

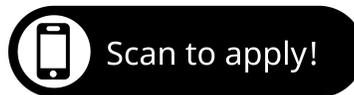
selection will be made from the candidates on this list. All employment offers are subject to a City-paid physical examination and a thorough reference and background check.

In accordance with the Immigration Reform Act of 1986, the City must verify, once an employment offer has been made, that all persons have written proof of their right to work in the United States.

In accordance with the Americans with Disabilities Act (ADA), if special accommodations are necessary at any stage of the testing process, please notify the Human Resources Department in advance at (707) 463-6244 so your request may be reviewed prior to the occurrence of the test.

**The City of Ukiah is an Equal Opportunity Employer committed to building a diverse workforce.**

***Continually working to promote diversity, equity, transparency, and justice through the adoption and implementation of City practices, policies, and procedures.***



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APPLICATIONS MAY BE FILED ONLINE AT:  
<https://www.governmentjobs.com/careers/cityofukiah>

Position #2022-019  
ELECTRICAL ENGINEERING TECHNICIAN III  
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