



CITY OF REDDING
invites applications for the position of:

Electric Utility Engineer

SALARY: \$6,216.00 - \$9,877.00 Monthly

OPENING DATE: 04/28/17

CLOSING DATE: 05/29/17 11:59 PM

DESCRIPTION:

The Energy Services Department of Redding Electric Utility implements the utility's public benefits programs. These programs, implemented in accordance with state law, provide education and financial incentives to utility customers who may include consultation, rebates, low income energy assistance and other types of programs and services. In support of our growing needs, the department is currently approved to fill one (1) Electric Utility Engineer to provide engineering support to REU and our customers.

IDEAL CANDIDATE:

The ideal candidate will have knowledge and experience evaluating energy systems commonly found at non-residential facilities such as pumps, motors, control systems, HVAC systems including chillers and boilers; methods for evaluating energy systems commonly found at non-residential facilities; financial modeling of energy efficiency improvements; principles of energy efficiency and demand side management programs as related to non-residential customers and state and federal non-residential energy standards.

The ideal candidate will have the ability to independently perform all aspects of ASHRAE I, II, III energy audits for large commercial customers including working with customers, performing data collection, analysis and report writing; communicate and interact effectively with customers and utility employees including technically and non-technically oriented people; manage projects and work collaboratively in teams; and provide guidance to professional engineers hired by our customers.

The ideal candidate may have industry specific certifications that demonstrate knowledge of commercial energy auditing, energy management, retro-commissioning, energy modeling, or other skills.

EXAMPLES OF DUTIES:

Develop, implement, administer, maintain and support technical systems used by the Electric Department personnel. Technical systems could include: energy accounting software, supervisory control and data acquisition systems ("SCADA"), distribution control and protection equipment, contingency analysis software, engineering software, inter-control center protocol communications equipment and software, etc. Incumbents may be engaged in the design, documentation, coding, testing and implementation of new or enhancements to existing application programs. Incumbents may be tasked to prepare user documentation and train personnel in the proper use of programs and equipment. As assigned, lead or participate as a team member in capital and maintenance projects.

This includes, but is not limited to: writing bid specifications; writing service contracts; obtaining necessary regulatory approvals; procuring materials; testing and commissioning of project; overseeing financial tracking of project; ensuring documentation is updated; training of personnel on changes as applicable; and ensuring good public relations are maintained. Develop, implement, and administer training, safety and environmental procedures and programs and continuously strive for improvements of division training content and culture; under guidance of a supervisor with responsible charge of the work, perform a variety of professional engineering activities related to the design, construction, maintenance, and operation of the facilities of the Redding Electric Utility; assist in the design of new and/or modifications to existing utility facilities including analysis of power line structures, complex relay and control schemes, development of construction drawings and contract documents for

equipment and construction, acquisition of permits, easements and property; coordination of joint projects with outside agencies; provide guidance for assigned draftsmen; coordinate work of consultants, outside agencies and other staff as required; ensure adequate capacity and reliability of the electric system (transmission and distribution lines, substations) through development of load forecasts, expansion plans, load transfer schemes; system analysis; develop new, or improved engineering and electric utility standards where necessary; consult with field personnel, other electric utilities, manufacturers, and literature sources, such as the National Electric Code, ANSI standards, and G.O. 95; inspect and monitor system equipment, including metering, capacitors, regulators, power circuit breakers, transformers and protective devices; and recommend needed system improvements.

Ensure that system power factor, equipment loading, voltage, and protective device settings are within specified limits without creating operating problems within the electric system; recommend new equipment purchases when needed; establish a routine maintenance program and testing procedures for substation equipment or demand side management; lead and coordinate the activities of assigned personnel and contractors in the maintenance, operation, and testing of electric utility facilities; operate, or oversee the operation of electrical and related utility test equipment; train assigned personnel in proper use of equipment; prepare engineering and operation studies, reports, presentations and analysis as assigned; evaluate and respond to customer complaints regarding voltage, equipment damage, demand side management programs, transmission and distribution line easements, project construction, and other issues; develop, implement, and administer regulatory procedures such as electric reliability compliance. Continuously strive for improvements to compliance programs and develop a staff culture of regulatory compliance; and perform related duties as assigned.

TYPICAL QUALIFICATIONS:

Knowledge of: Mechanical, Civil, Chemical, Electrical, or appropriate engineering knowledge; utility engineering, including short circuit, load flow, voltage drop, metering, substation design standards; load forecasting, loss and economic evaluation; power generation operations or maintenance; regulatory compliance in air emissions, water quality, waste handling, hazardous materials handling, safety and health; DOT pipeline or NERC reliability standards; power system planning or analysis techniques; transmission and distribution design; electric utility operating, testing, and maintenance practices; SCADA, energy accounting, distribution control systems, cyber security and secure IP routing, data communication systems administration and support; and underground and site design principles and standards.

Ability to: Interact effectively with various REU work teams, contractors, and with the public; demonstrate good oral and written communication skills and supervisory skills; evaluate and implement government regulations and industry standards; troubleshoot a variety of technical problems in assigned field, this could include operational, maintenance, electrical systems, control systems, data communication networks, project management issues, etc.

Education and Experience: Documented completion of a state recognized course of instruction for attaining specialized knowledge and skills providing the required knowledge, skills, and abilities is qualifying; typical education would include a Bachelor's degree in an engineering discipline from an accredited college, university, or equivalent. Typical experience would include five years relevant experience in distribution, operation, construction, power generation, regulatory compliance, environmental regulatory compliance, control systems administration and support, industrial process engineering, and/or project management.

Special Requirements: Possession of the appropriate valid California driver's license or the ability to acquire one within ten days of appointment.

APPLICATION AND EXAMINATION PROCESS:

Please be advised all notifications pertaining to this recruitment (e.g. exam invitations, exam results) will be e-mailed to you at the e-mail address provided on your employment application. Please be sure to provide your current and complete e-mail address. Check your inbox as well as your spam folder for correspondence as your e-mail provider or personal settings may flag the e-mail as spam. Contact the Personnel Department with any questions.

Interested individuals must submit a City of Redding online employment application by the closing date in order to be considered.

Incomplete applications may not be processed. Meeting the announced requirements does not guarantee selection into the examination process. Applications will be reviewed to determine those best qualified to be tested.

Veterans Credit: Veterans who have received an honorable discharge from the military service and receive a passing score on the examination will have 2 points added to their final examination score. To obtain this credit, veterans MUST provide a copy of the DD214, indicating honorable discharge, WITH EACH EMPLOYMENT APPLICATION BY THE CLOSING DATE.

Examination Process: An oral board interview, written examination, practical exercise, or any combination thereof, will be administered.

AN EQUAL OPPORTUNITY/FEDERAL AFFIRMATIVE ACTION EMPLOYER

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.cityofredding.org>

Position #110E 854 042017
ELECTRIC UTILITY ENGINEER
CJ

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