CITY OF REDDING
invites applications for the position of:

Electric Utility System Operator OR
Assistant System Operator - Power

SALARY: Depends on Qualifications
OPENING DATE: 01/22/15
CLOSING DATE: 03/23/15 11:59 PM

DESCRIPTION:

ELECTRIC UTILITY SYSTEM OPERATOR - POWER
(REAL-TIME/DAY-AHEAD ENERGY TRADER)
$45.47 - $55.27 per hour

ELECTRIC UTILITY ASSISTANT SYSTEM OPERATOR - POWER
$40.04 - $48.67 per hour

The City of Redding is establishing an eligibility list to fill a current vacancy in the Energy Management (Energy Trading & Scheduling) group, for an Electric Utility System Operator or Electric Utility Assistant System Operator, depending on experience. The Position is responsible for scheduling real-time and day-ahead delivery of power to assure a balanced load to resource energy portfolio; to develop, implement, evaluate, economically optimize, coordinate and arrange day-ahead and real-time power trades and schedules with other municipal utilities, marketers, and power companies; and the safe, reliable and economical operation of the Redding Electric Utility’s generation assets while operating under the policies and procedures set forth by the City of Redding and the Utility. Title and wage of the Position to be negotiated based upon the work experience of the potential candidate.

EXAMPLES OF DUTIES:

ELECTRIC UTILITY SYSTEM OPERATOR - POWER

The core duties of the Electric Utility System Operator - Power, as assigned to the Energy Management group (Energy Trading and Scheduling desks), are to determine day-ahead and real-time trading decisions with a continuous focus on balancing risk versus return to produce optimal return within the desired parameters of the Operations Group and Risk Management policies; procure and schedule generation and fuels as necessary to meet day-ahead and real-time load and energy commitments and to implement real-time schedules for power generation, purchases, and sales in a reliable and economic manner; enter and complete electronic schedules and tags according to both internal and industry standards and schedule all committed positions in a timely fashion within current contracts and without interruption of service; make rapid decisions on the best and safest method of handling emergency situations, outages, and curtailments and to monitor system conditions and alarms in anticipation of changes in system conditions while taking corrective action when required; assist the Distribution System Operator by responding to customer problems in a courteous, efficient, and professional manner and assist with customer and personnel...
calls during outage situations.

**ELECTRIC UTILITY ASSISTANT SYSTEM OPERATOR - POWER**

This is the entry-level classification in the Electric Utility System Operator - Power series. Incumbents in this classification may be advanced to the Electric Utility System Operator - Power level upon meeting the training requirements of that classification and upon the recommendation of the Department Director.

The core duties of the Electric Utility Assistant System Operator - Power, as assigned to the Energy Management group (Energy Trading and Scheduling desks), are to assist in the determination of day-ahead and real-time trading decisions with a continuous focus on balancing risk versus return to produce optimal return within the desired parameters of the Operations Group and Risk Management policies; assist in the procurement and scheduling of generation and fuels as necessary to meet day-ahead and real-time load and energy commitments and to implement real-time schedules for power generation, purchases, and sales in a reliable and economic manner; assist in entering and completing electronic schedules and tags according to both internal and industry standards and schedule all committed positions in a timely fashion within current contracts and without interruption of service; help to make rapid decisions on the best and safest method of handling emergency situations, outages, and curtailments and assist in the monitoring of system conditions and alarms in anticipation of changes in system conditions while taking corrective action when required; assist the Distribution System Operator by responding to customer problems in a courteous, efficient, and professional manner and assist with customer and personnel calls during outage situations.

**TYPICAL QUALIFICATIONS:**

**ELECTRIC UTILITY SYSTEM OPERATOR - POWER**

Knowledge of: Electric Utility economic dispatch practices; Electric Utility interchange scheduling, including balancing loads and resources in both the real-time and day-ahead environment, principles and practices of energy trading and marketing, including trading hubs and Cal-ISO/Non Cal-ISO balancing authorities; generation resources; principles and techniques of contract management, principles of power generation and transmission systems including interconnected utility operations, production costs of energy by fuel type; system load characteristics and load curves; integration of purchases and sales to economically reduce overall costs of energy; energy management systems and economic analysis of current resource options and market opportunities; NERC policies and WSPP business practices; normal business practices and ethical behavior; computers and programs such as Excel, Word, Access and PowerPoint; basic contract principles; basic financial statements; and basic economic analysis.

Ability to: Interpret and explain complex contracts, policies, protocols, and business practices; develop and implement trading and scheduling procedures; communicate effectively, both orally and in writing; establish and maintain effective working relationships internally and externally; utilize a personal computer and/or computer terminal, systems and software relevant to the job; implement relevant trading directives from management; interact effectively with the public and employees; demonstrate strong internal and external communications skills; build and maintain relationships with the public and fellow utility personnel; make rapid decisions in emergency situations; perform duties with safety, skill and efficiency; work independently and alone; multi-task; learn and apply the practices and procedures of neighboring utilities regarding power
scheduling and emergency situations; respond to customer problems in a courteous and professional manner; and work a rotating shift schedule.

Education & Experience: Any combination of training and experience that provides the required knowledge, skills, and abilities is qualifying; typical education would include the completion of industry acknowledged coursework in system scheduling (WECC Schedulers Sessions I and II or equivalent), or an applicable apprenticeship or two years college coursework from an accredited college or university. Typical experience would include three years relevant experience with an Electric Utility functioning in the capacity of an energy trading/interchange scheduling environment may be used to substitute for the two years of college coursework.

Special Requirements: Possession of a valid California driver's license, or the ability to acquire one within ten days of appointment. NERC Balancing, Interchange, and Transmission Operator certification is desirable.

ELECTRIC UTILITY ASSISTANT SYSTEM OPERATOR - POWER

Knowledge of: Principles and practices of trading and marketing; principles and techniques of contract management; principles of power generation and transmission systems; basic economic analysis including supply and demand modeling and production cost determination; normal business practices and ethical behavior; computers and programs such as Excel, Word, Access and PowerPoint; and basic contract principles.

Ability to: Learn to interpret and implement complex contracts, policies, protocols, and business practices; communicate effectively, both orally and in writing; establish and maintain effective working relationships internally and externally; utilize a personal computer and/or computer terminal, systems and software relevant to the job; interact effectively with the public and employees; demonstrate strong internal and external communications skills; build and maintain relationships with the public and fellow utility personnel; make rapid decisions in emergency situations; perform duties with safety, skill and efficiency; multi-task; learn and apply the practices and procedures of neighboring utilities regarding power scheduling and emergency situations; respond to customer problems in a courteous and professional manner; and work a rotating shift schedule.

Education & Experience: Any combination of training and experience that provides the required knowledge, skills, and abilities is qualifying. Typical education would include at least two years of relevant coursework from an accredited college or university. Typical experience would include two years of relevant experience in an electric utility operations or resource planning division, back office/after-the-fact settlements, or engineering department. Two additional years of relevant experience may be substituted for the two years of college coursework.

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

APPLICATION AND EXAMINATION PROCESS:

Application Process: 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: A written test will be administered; an oral board examination will be required of all potential candidates.

AN EQUAL OPPORTUNITY/FEDERAL AFFIRMATIVE ACTION EMPLOYER