

ELECTRIC UTILITY ASSISTANT SYSTEM OPERATOR - POWER

DEFINITION:

Under immediate supervision, direct the safe and reliable operation of the Redding Electric Utility's Generation and Transmission systems while operating under the policies and procedures set forth by the City of Redding Electric Utility; direct reliable real-time delivery of power to assure a balanced "load to resource" energy portfolio. 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.

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

EXAMPLES OF DUTIES:

NOTE: The following are the duties performed by employees in this classification. However, employees may perform other related duties. Duties listed are not necessarily performed by each individual in the classification:

1. Assist with 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 with procuring and scheduling of generation and fuels as necessary to meet real-time load and energy commitments. Assist with the scheduling of all committed positions in a timely fashion within current contracts and without interruption of service.

Measures: Power purchases and sales are scheduled to maximize the economic benefit to the City and do not place system City reliability nor its assets at risk.

2. Assist with the implementation of real-time schedules for power generation, purchases, and sales in a reliable and economic manner.

Measures: Net interchange schedules match Net interchange actual load demand and power sales, with purchases and generation in accordance with the Utility's contracts, policies, and procedures. Sound economic dispatch skills are displayed.

3. Assist with electronic schedules and tags to insure they are accurately entered and completed according to both internal and industry standards.

Measures: Schedules and tags are submitted in a timely fashion with accurate pathing and profiles. Schedules and tags are complete in their corresponding Excel and OATI software packages. Tags are accepted and schedules implemented by all parties within the transaction.

4. Perform related duties as assigned.

QUALIFICATIONS:

Knowledge of:

Electric Utility equipment limitations as these apply to the Electric Utility; general computer applications; and mathematics as it pertains to Electric Utility operations.

Ability to:

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; learn to read and interpret current electric system status; perform duties with safety, skill and efficiency; work a shift schedule; operate a personal computer and learn to operate a SCADA system and miscellaneous software systems.

Education:

Any combination of training and experience that provides the required knowledge, skills, and abilities is qualifying; typical education would include two years of relevant coursework from an accredited college or university.

Experience:

Two years of relevant extensive experience in an electric utility operation 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.

REV 8/98
REV 8/99
REV 2/01
REV 12/06
REV 8/07
REV 9/08
REV/EST 2/09