

## **ENERGY CONTROL SYSTEM OPERATOR**

### **PURPOSE AND NATURE OF WORK**

Positions in this class work shifts, monitoring, recording and modifying the electric transmission system to adapt to changing conditions which include loads, interchanges, faults, electric power generation economics; as well as monitoring water distribution and wastewater collection system operation. Operators detect alarms, faults and emergencies, initiate responses, and may make short-term power interchange agreements with other utility systems within specified guidelines. Incumbents work under supervision of the Energy Control System, Substations and Metering Supervisor, and have no supervisory responsibility.

**ILLUSTRATIVE EXAMPLES OF WORK** (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Monitors electronic map board and energy management system screens indicating condition and activity of remote switches, meters, system protection schemes, as well as water / wastewater valves and pumps. Executes orders to change configurations of these, and to effect changes in electric current flow in response to differing loads and prices. Detects faults, emergencies or alarms, and initiates responses.

Maintains records and logs for energy accounting, regulatory compliance and related utility needs. May control use of generation and make short-term power interchange transactions with other utility systems. Attends training required for certification under the North American Electric Reliability Corporation regulations.

Performs related work as required.

### **NECESSARY KNOWLEDGE, ABILITIES, AND SKILLS**

Substantial knowledge of Lafayette Utilities System's participation in electric power transmission, sales and purchase agreements, the economics of these, and options available.

Substantial knowledge of electric distribution and transmission facilities and characteristics.

Knowledge of the water distribution system characteristics.

Knowledge of the wastewater collection system characteristics.

Ability to understand and operate the computer terminals, mass storage devices.

Ability to understand and operate the electronic map board and energy management system screens.

Ability to communicate and work effectively with the public, and employees of Consolidated Government and of other utilities.

### **DESIRABLE TRAINING AND EXPERIENCE**

Associate's degree in a technical field related to industrial electricity with working experience in industrial electricity, electric generation, transmission and distribution systems, electric switching, power dispatching and operations of bulk power systems, or an equivalent combination of education and experience.

### **SPECIAL NECESSARY QUALIFICATION**

Completion of North American Electric Reliability Corporation certification within one year of

employment is required.