



JOB DESCRIPTION

Title: **SENIOR CENTRAL CONTROL OPERATOR**

Department: Power

Class Code: 7270

FLSA Status: Non-Exempt

Effective Date: October 1, 1990 (Rev. 07/2008)

GENERAL PURPOSE

Under general supervision from the Assistant General Manager: performs field crew dispatching, Hydro and Gas Turbine operating functions, system control functions, system analysis, and switching functions for the Murray City Power Department; Assists in SCADA programming and data collection functions.

EXAMPLE OF DUTIES

- *-- Supervises Central Control Operators, including work scheduling, insurance of shift coverage, and training programs. Hires, trains, evaluates, and, when necessary, recommends appropriate disciplinary action.
- *-- Supervises, in coordination with Assistant General Manager, the procurement and/or sale of hourly power supply needs and surpluses, respectively, on the UAMPS Power Exchange, in combination with the cost effective operation of the Department's generating facilities.
- *-- Assists in programming of SCADA System Master station.
- *-- Uses SCADA system to remotely monitor the transmission and distribution systems of the Power Department.
- *-- Uses SCADA system to remotely monitor and operate the Hydro-Electric Plant and other forms of generation owned and operated by Murray City Power.
- *-- During outage situations, dispatches necessary line construction crew, forestry crews, and substation technicians to affected areas to resolve the problems. Uses ArcView (GIS) to assist in the location of problems and the preparation of switching procedures to restore power as quickly as possible while maintaining the safety of the field crews.

- *-- Prepares routine switching procedures for transmission, substation, and distribution systems for maintenance and additions to facilities. Issues Line Clearances to field crews to ensure the safety of the crews.
- *-- Uses the PC to retrieve load data from UAMPS and download in usable spreadsheets in order to establish usage patterns; Uses this data with future weather forecast to predict future energy requirements. Initiates the limited purchase and/or sale of electrical power on the UAMPS Power Exchange within the constraints of the City's risk management policies, to balance loads with resources.
- *-- Coordinates the pre-notification of daily natural gas supply quantities to suppliers.
- *-- Uses PC spreadsheets to log the generation plants emissions in accordance with EPA requirements. Ensures that during operation of the generation plant, the established guidelines for run time and emissions levels are kept in compliance.
- *-- Uses SCADA system to monitor the Water and Sewer Department's wells and lift stations on an after hours basis. Dispatch the appropriate Water and Sewer Department personnel when needed.
- *-- Operates all generation units remotely and/or manually on an as needed basis in order to fulfill the requirements of Murray City, UAMPS and any other power purchaser.
- *-- May assist the Substation Technicians on an occasional basis for purpose of familiarity training in the maintenance of the substations and generation facilities.
- Performs related duties as required.

MINIMUM QUALIFICATIONS

Education and Experience

- Graduation from high school and three (3) years experience in electric utility as Central Control Operator and one (1) year computer experience or schooling in UNIX programming OR any equivalent combination of education and experience.

Special Requirements

- Will be required to work rotating shifts and/or various fixed shifts to include weekends and holidays. Must possess good color vision.

Necessary Knowledge, Skills and Abilities

- Thorough knowledge in load forecasting in order to facilitate the purchasing and selling of electrical power. Thorough knowledge of electrical theory and systems including transmission, distribution, and substations (including electronic relaying, regulators and breakers). Working knowledge of PC and spreadsheets. Working knowledge of various types of electrical generation. Familiarity with OSHA safety requirements as it applies to the electrical industry.
- Ability to communicate effectively with field crews via radio. Ability to communicate effectively with customers, via telephone, to deal with their problems and concerns. Ability to remain calm in an emergency situation and to dispatch crews effectively but maintaining the highest level of safety, while restoring the power in an expedient manner. Ability to adapt to changes in work schedules and rotating shifts. Must possess a willingness to work in various areas of electrical substation and generation maintenance and operational functions.
- Ability to communicate with other power entities via the computer. Ability to prepare spreadsheets and use these in load forecasting. Ability to project load patterns and recommend purchases and sales of power within the UAMPS power exchange program.

TOOLS & EQUIPMENT USED

- Monitoring system, personal computer including word processing, spreadsheet and specialized software; radio; phone, and other equipment pertaining to this position.

PHYSICAL DEMANDS

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee is frequently required to sit; walk, talk or hear; use hands to finger, handle, feel or operate objects, tools, or controls; and reach with hands and arms.
- The employee must frequently lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus. Must be able to meet DOT hearing standard requirements.

WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- While performing the duties of this job, the employee occasionally works in outside weather conditions. The employee occasionally works near moving mechanical parts in high, precarious places and is occasionally exposed to wet and/or humid conditions, ambient air, temperature extremes, fumes or airborne particles, traffic, toxic or caustic chemicals, risk of electrical shock, and vibration.

- The noise level in the work environment is usually quiet to moderate.

DEPT/DIVISION APPROVED BY: _____ DATE: _____

EMPLOYEE'S SIGNATURE: _____ DATE: _____

H. R. DEPT. APPROVED BY: _____ DATE: _____

*Essential functions of the job.