



<b>Department:</b>	Electric
<b>Supervisor:</b>	Utility Director
<b>Prior Revision Date:</b>	5/2015
<b>Last Revision Date:</b>	9/2021
<b>Revision Made By:</b>	KH
<b>Revision Reviewed &amp; Approved by:</b>	KH & SG
<b>Employment Status:</b>	IBEW
<b>Date Provided to Bargaining Unit</b>	9/22/21

## **Job Description**

### **POWER GENERATION MECHANIC/OPERATOR**

#### **Definition**

Maintains and repairs all diesel and hydro generating equipment and performs operator duties as designated.

#### **Supervision Received**

Works under the direction of the Utility Director.

#### **Supervision Exercised**

None.

**Duties** *(The duties listed in this section are intended as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.)*

Performs maintenance and repairs on diesel generator sets and hydro generators, including maintenance recordkeeping and periodic testing of fuel, water and oil samples.

Performs minor repair work including carpentry, welding and pipe fitting; performs a variety of other skilled or semi-skilled tasks to accomplish maintenance of electric department facilities and equipment.

Keeps the Utility Director, Electrician, Line Foreman, Tye Operators and other appropriate personnel informed of any issues regarding the facilities and equipment.

May be involved in the development of procedures for the safe and efficient operation of Department equipment and facilities.

May be asked to provide guidance or answer questions regarding the operating environment of the diesel generation, hydro generation and other Department facilities.

May work with outside vendors and agencies to troubleshoot, diagnose, and/or identify issues with Department facilities and equipment.

Operates small crane and 3/4-ton truck including a variety of hand and power tools used in generator mechanics.

Assumes responsibilities of Power Plant Operator as required.

Provides for safety of generation operation by observing meters, gauges and related devices and takes appropriate action.

Must respond in the event of a community outage and actively participate, or lead, the restoration process from the power plant and control room, with a high level of coordination and cooperation with the line crew and SEAPA operations staff.

Participates in weekly SEAPA operational meetings with agency staff and SEAPA member utilities.

Monitors Blind Slough Hydro and Power Plant generators to maintain continual distribution of power (120 volts and 60 HZ).

Requires selection of most efficient engine to operate, spot checking for problems, measuring temperatures regularly, and cleaning/oiling when necessary.

Once an experienced operator, incumbent may perform training for new operators.

Performs quarterly inspections of the Crystal Lake Dam and Penstock, per the utility's Dam Safety Surveillance and Monitoring Plan. Assists in the annual preparation of the Dam Safety Surveillance and Monitoring Report for the Federal Energy Regulatory Commission (FERC).

Participates in the annual project inspection with FERC. Responsible for addressing maintenance corrections noted in the annual inspection, as assigned by the Utility Director.

Assists the Utility Director with data collection, annual stakeholder updates/drills and dam/hydro monitoring as required by the utility's Emergency Action Plan.

Participates in information requests during FERC periodic dam safety inspections and department studies.

Adheres to all safety standards required by the department and OSHA.

Performs other duties as assigned.

### **Distinguishing Characteristics**

The work assigned to this position is distinguished from the work assigned to other classifications by the element of expertise in maintenance and repair of mechanical systems associated with electrical generating equipment. This position is also responsible for data collection, surveillance and monitoring of the Crystal Lake Dam and Blind Slough Hydroelectric facility.

### **Working Conditions**

Incumbent performs approximately 75% of duties in standing position in high noise level environment while maintaining equipment. Employee risks physical hazard through exposure to active machinery and by moving objects and parts in excess of 250 lbs. May be exposed to a variety of working conditions. May be required to ride in helicopter or float plane to check dam site. While working as operator, up to 90% of duties are performed in seated position in noisy environment. Employee may be exposed to physical hazards while working around large diesel engines and electrical generators. Operators must be available for call-out and shift work.

