

## JOB DESCRIPTION

**Job Title:** Senior Maintenance Electrician **Position Number:** 88-02

**Incumbent:** Vacant **Effective Date:** October 2024

**Status:** Permanent **Pay Level** 9 **Bargaining Unit:** X Yes No

**Supervisor's Title:** Supervisor, Electrical Maintenance **Department:** Operations

### **Direct reports:**

**Maintenance Electrician (3)**

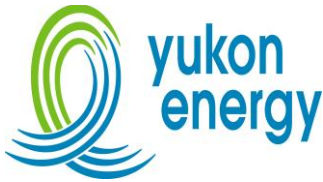
**Apprentice Electrician**

### **SUMMARY**

Participates as a member of the Electrical Maintenance team and performs journey level electrical work in the installation, repair and maintenance of various pieces of electrical equipment in substations and generating units/plants: hydro, diesel, Liquid Natural Gas (LNG) and their respective auxiliary equipment in a safe, reliable and efficient manner. This position provides coverage for the Supervisor of Electrical Maintenance on an "as required" basis. All work shall be carried out and properly documented in accordance with Yukon Energy's policies, guidelines, and procedures.

### **DESCRIPTION**

1. Adheres to the Corporation's high safety standards by following approved safe working plans and worker-administered and operator-administered protection plans.
2. Performs, installs, troubleshoots, and repairs all prime movers: hydro, diesel, and LNG, auxiliary equipment, and water conveyance systems; reacts to emergency situations in a safe, reliable, and efficient manner.
3. Performs, installs, troubleshoots, and repairs all equipment in high voltage substations
4. Provides leadership by mentoring and guiding the Electrical team in scheduling and assigning tasks, ensuring maintenance activities align with departmental objectives; manages staff approvals for time off and reviews team performance regularly.
5. Coordinates contractor activities and manages relationships, emphasizing accurate cost tracking and estimation.
6. Monitors and manages operational and maintenance budgets, understanding the financial impact of various activities to optimize budget utilization.
7. Supports capital maintenance by proposing new projects for asset maintenance, replacement, and continuous improvement initiatives.
8. Contributes to strategic planning for the electrical maintenance department, emphasizing long-term goals and objectives.
9. Reviews test sheets and preventive maintenance results, identifying and prioritizing issues for further examination.

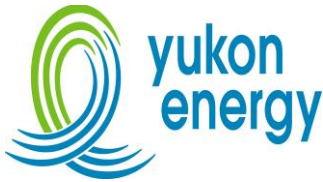


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10. Maintains and operates the cryogenic storage facility; assists in the calibration of electronic equipment as required.
11. Completes and/or assists with scheduled overhauls according to standards.
12. Collaborates with the Maintenance Job Planner to coordinate and schedule overhaul and preventative maintenance programs for electrical and auxiliary equipment, ensuring equipment is effectively maintained at peak operating efficiency. Identifies, justifies, and provides background data for proposed capital and major O&M projects.
13. Engages in the design and commissioning of new systems and equipment for the facility.
14. Utilizes the Enterprise Asset Management system to analyze trends in equipment maintenance needs such as breakdown, preventative maintenance, and corrective maintenance, average time between failures, and time to repair; makes recommendations for improvements to maintenance practices and frequencies based on trends.
15. Upgrades electrical drawings, maintains accurate records of work performed, and provides written reports on a timely basis.
16. Monitors and operates plant equipment per operational requirements, including interfacing with human-machine interfaces (HMI).
17. Provides immediate response in emergency situations, including power outages and equipment failures, to identify and correct problems.
18. De-energizes and isolates / energizes and returns to service equipment and their respective auxiliary equipment as per standard procedures.
19. Provides input to priority setting, capital projects, and equipment specifications.
20. Develops and implements preventive and predictive maintenance programs.
21. Coordinates, directs, and assists work with other trades and provides guidance and training to apprentices and others as required; supervises onsite contractor activity when necessary.
22. Responds as part of the essential Emergency Preparedness Plan team for all Yukon Energy facilities.
23. Trains and assists other workers in completing routine maintenance tasks on all corporate equipment.
24. Maintains the confidentiality of all Corporation information; adheres to all Corporation policies, procedures, and guidelines.
25. Undertakes other related duties as assigned and contributes to team efforts by accomplishing tasks efficiently and accurately.

### **WORKING CONDITIONS**

Work is conducted in a number of different environments including a normal office environment, working plant and substation environments which could result in exposure to high voltage spinning equipment, confined spaces, open water, remote location work and heights. Travel, as well as periods of immediate stand-by coverage are requirements of this position. May be exposed to inclement weather while working outside and when traveling.



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<b>KNOWLEDGE, SKILLS, AND ABILITIES</b>
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- Red Seal Electrical journeyman certification, Power System Electrician Certification, or Electrical Technologist designation with extensive experience in power generation and plant operations.
- Customer centric with effective team building, coaching and leadership skills with the ability to implement goals.
- Well-developed oral, interpersonal and communications skills.
- Experience with EAM/CMMS is required.
- Proficient in Microsoft Office Suite.
- Capability to role model, coach and reinforce operational expectations.
- Strong negotiation, analytical, problem solving, planning and organizational skills with a clearly defined sense of urgency.
- Demonstrated commitment to preventive/predictive maintenance programs.
- Several years' experience leading a team.
- Strong negotiation, analytical, problem solving, planning and organizational skills with a clearly defined sense of urgency.
- Demonstrated commitment to preventive/predictive maintenance programs.
- Certification in WHIMS, TDG and rigging and hoisting.
- A valid class 5 driver's license and clean Drivers Abstract.
- A valid First Aid certificate.

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Incumbent

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Supervisor

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Director

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Date