



YUKON ENERGY CORPORATION

Mechanical Maintenance Engineer-Whitehorse

Position # 95-37

The Opportunity: Mechanical Maintenance Engineer

Permanent, Full-Time position, based out of Whitehorse, Yukon.

What is in it for you:

- Competitive Pay with annual cost of living increase
- Northern Allowance: \$7,920.00 + 5.2% Base Pay added to Base Salary
- Comprehensive Benefit Package that begins the first day of employment
- 160 hours of vacation leave, 160 hours of sick leave, 40 hours of special leave
- Travel Allowances for employee and their spouse and dependent(s)
- Annual Wellness Subsidy
- Cell Phone Subsidy
- RRSP Match begins first day of employment
- Relocation Assistance
- Training and Development opportunities
- Opportunity to be a part of something greater and help the Yukon

Are you a Mechanical Engineer looking for an opportunity to work with the systems and equipment that keep Yukon's power generation facilities running safely and reliably? Yukon Energy is seeking a Mechanical Maintenance Engineer to join our team in Whitehorse, Yukon, providing technical expertise to support the maintenance, reliability and long-term performance of mechanical assets across our hydro and thermal generation facilities.

What will you do: As a member of the Mechanical Maintenance team, you will:

- Provide technical support for planned and unplanned maintenance, troubleshooting and equipment repairs across hydro and thermal generation facilities.
- Investigate mechanical equipment failures, perform root cause analysis and recommend improvements to enhance asset reliability, safety and operational performance.
- Develop maintenance strategies, equipment test plans and recommendations for overhauls, upgrades and preventative maintenance activities.
- Manage smaller capital projects and support equipment installations, testing and commissioning, working closely with maintenance personnel, contractors and other technical teams.
- Collaborate with Operations, Engineering and Asset Management to support long-term asset planning, equipment lifecycle management and continuous improvement initiatives.

What you need to succeed:

- A bachelor's degree in Mechanical Engineering with eligibility for registration as a Professional Engineer (P.Eng.) in Yukon.
- A minimum of four years of relevant experience in utilities, including technical and operational experience with mechanical systems.
- Experience maintaining and troubleshooting industrial mechanical equipment, such as turbines, generators, pumps, compressors, engines and associated auxiliary systems.



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- Knowledge of mechanical equipment condition monitoring, including vibration analysis, temperature monitoring and non-destructive testing (NDT).
- Experience supporting maintenance planning, equipment overhauls, capital projects and commissioning activities.
- Ability to interpret mechanical drawings, schematics and technical documentation, with a strong understanding of mechanical hazards and safe work practices.
- Strong analytical, problem-solving, organizational and communication skills, with the ability to collaborate across technical and operational teams.
- A valid Class 5 driver's license, a valid first aid certificate and willingness to travel to remote operational sites, occasionally for extended periods.

Who we are: Yukon Energy is the primary generator and transmitter of electrical energy in the Yukon territory, operating within the Traditional Territories of Yukon First Nations. We take pride in our commitment to sustainability and collaboration with Indigenous communities across all our operations.

Yukon Energy values diversity in the workplace. We strive to achieve a skilled workforce that is representative of the population we serve, and we are committed to the employment and professional development of Yukon First Nations citizens. First Nations candidates are encouraged to self-declare.

Ready to apply? Visit [Yukon Energy Careers](#) or contact People & Culture at hr@yec.yk.ca with any questions. Applications will be accepted until the position is filled.

Applicants must be legally entitled to work in Canada without employer sponsorship. We thank all applicants for their interest; however, only those selected for further consideration will be contacted.

Posted: October 20, 2026 | [Learn more about Yukon Energy](#)