



Mechanical Maintenance Engineer

Permanent, Full-Time

Whitehorse, Yukon

The Opportunity: Mechanical Maintenance Engineer

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.

What will you do: As the Mechanical Maintenance Engineer, you will:

- Support the Operations department by ensuring the reliability, performance, and safety of mechanical assets in hydro and thermal generation plants.
- Perform planned and unplanned maintenance, troubleshoot mechanical issues, and assist with the commissioning of capital projects.
- Review periodic maintenance test reports, identify corrective actions, and implement solutions to enhance asset reliability.
- Collaborate with Asset Management and Engineering teams to develop long-term strategies for asset management and optimization.
- Oversee mechanical systems, including turbines, pumps, compressors, fuel systems, and mechanical drives, ensuring efficient operation and maintenance.

What you need to succeed:

- Registered Professional Mechanical Engineer, eligible for registration in Yukon.
- Minimum 4 years of experience in utilities, including technical and operational experience in mechanical systems.
- Good working knowledge of various mechanical generating assets, including diesel and LNG-fueled generators, hydro turbines, pumps, compressors, and renewable generation sources (wind)
- Strong understanding of mechanical systems and equipment, such as turbines, pumps, cooling systems, mechanical drives, and associated control systems.
- Experience troubleshooting mechanical and control systems in generation facilities, with sufficient knowledge to provide guidance.
- Knowledge of mechanical system instrumentation and control, including vibration analysis, temperature monitoring, and pressure systems.
- Ability to read and interpret mechanical drawings, schematics, equipment manuals, and maintenance documentation.
- Experience supporting field infrastructure commissioning, including mechanical system installations and performance testing.
- Strong working knowledge of mechanical hazards and safety protocols in power generation.
- Ability to administer and enforce safe work practices, including creating and assessing Job Safety Analysis (JSA) and conducting tailboard safety meetings.
- Familiarity with control systems in mechanical applications and the ability to troubleshoot small mechanical control systems.
- Solid problem-solving and analytical skills, particularly in diagnosing mechanical failures and developing corrective actions.
- Strong organizational skills with the ability to multi-task, prioritize, and optimize maintenance schedules.
- Excellent interpersonal skills and client-service orientation, with the ability to work effectively with internal teams and external stakeholders.
- Proficiency in Windows-based software applications for work order management and documentation.
- A valid class 5 driver's license.



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- A valid first aid certificate.
- Ability to work effectively in a team and diverse cultural environment.

Compensation: Competitive salary and benefit package.

What is in it for you:

- Northern Allowance: \$7,000.00 + 5% Base Pay added to Base Salary
- Comprehensive Benefit Package that begins the first day of employment
- RRSP Matching Program begins first day of employment
- 4 weeks of vacation leave, 4 weeks of sick leave, 40 hours of special leave
- Travel Allowances for employee and their spouse and dependent(s)
- Annual Wellness Subsidy
- Cell Phone Subsidy
- Flexible work arrangements/Work From Home options
- Relocation Assistance
- Training and Development opportunities
- Opportunity to be a part of something greater and help the Yukon

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.

To **apply**, please go to [Recruitment \(adp.com\)](https://adp.com).

If you have any questions, please feel free email People & Culture via email at hr@yec.yk.ca. The posting will remain open until the position is filled.

We thank all candidates for applying but only short-listed candidates will be contacted. Applicants must be legally entitled to work in Canada for any employer without employer sponsorship.

Date Posted: February 7, 2025