



YUKON ENERGY CORPORATION

Electrical Engineer-SCADA and Communications

Position # 95-26

The Opportunity: Electrical Engineer-SCADA and Communications

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

Are you an Electrical Engineer looking for an opportunity to work on SCADA, automation and communication systems that support power generation and delivery across Yukon? Yukon Energy is seeking an Electrical Engineer – SCADA and Communications to join our team in Whitehorse, Yukon, providing engineering expertise for the control and communication systems that connect our generating stations and substations to the System Control Centre.

What will you do: As a member of the Electrical Engineering team, you will:

- Design, configure and maintain SCADA, automation and communication systems, including RTUs, PLCs, HMIs and field devices supporting generation, transmission and distribution operations.
- Serve as Project Engineer or technical specialist on capital and maintenance projects, supporting system design, equipment integration, testing and commissioning.
- Investigate and troubleshoot control and communication issues, providing engineering support to improve system reliability, equipment monitoring and operational control.
- Work collaboratively with Engineering, Operations, OT and IT teams to integrate field systems, support secure communications and ensure equipment meets engineering, operational and safety standards.
- Contribute to SCADA infrastructure upgrades, substation automation and remote monitoring initiatives, supporting the long-term reliability and modernization of Yukon Energy's electrical systems.

What you need to succeed:

- A bachelor's degree in Electrical Engineering (Power Systems focus preferred) and eligibility for registration as a Professional Engineer (P.Eng.) in Yukon. Alternatively, a diploma in Electrical Engineering Technology, a minimum of eight years of relevant utility experience and eligibility for a Limited License (L.L.Eng.).
- A minimum of five years of relevant experience in process control, SCADA integration and field communications within a utility or industrial environment.
- Hands-on experience configuring, testing and commissioning RTUs, PLCs and HMIs, along with troubleshooting control systems and supporting capital projects.
- Strong knowledge of SCADA and automation systems, including DNP3, Modbus and IEC 61850 protocols, with proficiency in relevant SEL, Emerson and Survalent technologies.
- Experience with industrial communication infrastructure, cybersecurity principles and commissioning in new and existing facilities.
- Strong analytical, problem-solving and communication skills, with the ability to collaborate across teams and manage competing priorities.
- A valid Class 5 driver's license and willingness to travel to remote Yukon sites (10–25%).



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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

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.

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.

To learn more about Yukon Energy and the work we do, visit yukonenergy.ca.

We thank all applicants for their interest; however, only those selected for further consideration will be contacted.

Applicants must be legally entitled to work in Canada for any employer without employer sponsorship.

Date Posted: October 13, 2026