



YUKON ENERGY CORPORATION
Resource Planning Engineer- Whitehorse
Position # 95-04

The Opportunity: Resource Planning Engineer

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

Who we are: 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 Resource Planning Engineer, you will:

- Evaluate current and future electricity generation capacity and energy needs for the Yukon Territory, using data-driven forecasting to inform long-term plans.
- Develop and implement resource planning strategies that balance supply and demand, enhance grid stability, and optimize operational efficiency.
- Conduct economic and technical analyses of generation resources—modeling scenarios, performing load forecasting, and assessing costs to support capital investment decisions.
- Collaborate with operations, environmental, regulatory, and stakeholder teams to integrate sustainable energy solutions and ensure compliance with industry standards.
- Work within the Traditional Territories of Yukon First Nations, recognizing and respecting the communities we serve.

What you need to succeed:

- Degree in Engineering from an accredited university program, electrical or power systems engineering would be an asset and capable of obtaining Professional Engineer designation in Yukon Territory
- Experience in resource planning, preferably in the power utility sector
- Experience with energy modeling and optimization software tools for resource planning
- An equivalent combination of education and/or experience will be considered.
- Plans, manages, and prioritizes work to meet commitments aligned with organizational goals.
- Analyzes and interprets complex data, and sometimes contradictory information, to effectively solve problems.
- Make good and timely decisions that keep the organization moving forward.
- Anticipates and balances the needs of multiple stakeholders.
- Build partnerships and work collaboratively with others to meet shared objectives.
- Communicate effectively; able to collaborate and influence internal and external stakeholders.
- Manage conflict situations effectively.



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- Learn quickly when facing new situations and learn from mistakes.
- Identifies and creates the necessary processes to get work done with a focus on continuous improvement.

Compensation: Competitive salary and benefit package.

What is in it for you:

- Northern Allowance: \$7,000+ 5% 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,
- Relocation Assistance,
- Cell Phone Subsidy,
- Training and Development opportunities,
- Opportunity to be a part of something larger and help the Yukon community.

Yukon Energy is committed to building an inclusive workplace where everyone's unique background, perspective and experience is valued. We strive for a workforce that reflects the diversity of the communities we serve, including Yukon First Nations, women, persons with disabilities, LGBTQ2S+ individuals, and members of other equity-seeking groups. First Nations and other candidates from under-represented communities are encouraged to self-declare.

We look forward to your application! Apply online at [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.

Dated Posted: May 13, 2025