

Source: **BC Hydro**  
Job Title: **Senior Engineer (Cost Estimating) - Transmission**  
Job Number: **BCH-R-3423-211221E1**  
Job Location: **Burnaby, British Columbia, Canada**

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We're BC Hydro and we have a big job to do.

Keeping the lights on for over 4 million people across the province takes a lot of talented people doing many different jobs. From working deep in a generating station, atop a power pole, or behind a desk, whatever it is that makes you tick we offer challenging careers to help you reach your potential.

We're investing more than \$2 billion per year in major capital infrastructure projects to help meet the growing demand for safe, reliable power. We're upgrading transmission lines, building new substations, and investing in our hydroelectric generation facilities. We aim to provide meaningful and challenging work, opportunities for growth and a healthy work/life balance. We've been recognized for excellence and been named one of B.C.'s Top Employers and one of Canada's Best Diversity Employers.

It's our vision is to be the most trusted, innovative utility company in North America by being smart about power in all we do.

## **JOB DESCRIPTION**

### **Duties:**

Our Estimating team performs an integral role in the delivery of infrastructure projects at BC Hydro. Estimating team members work with cross-functional teams to develop project cost estimates throughout the project lifecycle as well as contributing to the planning, scheduling and implementation of a broad portfolio of projects spanning many different asset types.

\* We're seeking someone with experience in cost estimating as it applies to large infrastructure projects to join our Estimating team based at BC Hydro's Edmonds office in Burnaby, B.C. You'll be part of the Transmission Lines and Stations Estimating Team within the Engineering Services business group, providing estimating support primarily for capital projects. This is an exciting opportunity for someone who enjoys working on a wide variety of projects, each with its own unique scope, assets, stakeholders, risks and technical challenges. While the work is based out of Burnaby, you'll get to travel to BC Hydro's facilities located throughout British Columbia.

\* As a Senior Engineer in the Estimating team, you'll be responsible for preparation of project costs estimates for projects of various size and complexity during Planning, Identification, Definition and Implementation Phases. Projects will primarily be related to transmission lines and substations (69kV – 500kV). Projects may be new infrastructure or upgrades to existing assets and the estimates may be at various stages in the project life cycle, ranging from early stage planning level estimates, through to estimates supporting full funding and additional funding requests. You'll provide cost estimate information to support regulatory processes.

\* You'll contribute to the success of projects by providing input on construction methodology, schedule, project delivery methodology, project risks, procurement documents, proposal evaluations and contract claims. You'll prepare work package agreements for the estimating work assigned to you and ensure it is completed within the schedule and budget. You will also be a reviewer of cost estimates prepared by others, including 3rd parties. You

will often review the work of, supervise and provide guidance to other team members. Maintaining your knowledge of relevant standards and keeping apprised of industry cost trends are also key parts of this role. You'll foster the development of team members through knowledge sharing, coaching and mentoring and contribute to internal guidelines, processes, tools and templates. Understanding the business in which we operate is key for this role. As such, you'll maintain relationships across the organization and use your understanding of business drivers, policies and procedures to ensure the project estimate is appropriate. You'll be able to formally and informally present or answer questions regarding project costs estimates, including communicating with various levels of management within the organization and with external stakeholders.

**Qualifications:**

The successful candidate must have:

- \* Bachelor of engineering degree in Electrical/Civil/Structural Engineering recognized by universities in Canada. Preference will be given to candidates with an electrical (power) engineering background.
- \* Registered, or eligible for immediate registration, as a Professional Engineer (P.Eng.) with the Engineers and Geoscientists BC (EGBC).
- \* A minimum of 8 years of combined experience in estimating, design, or construction of industrial or infrastructure type projects, preferably on substation or transmission line projects. At least 4 years of direct cost estimating experience (preferably in substations and transmission lines) is required.

The successful candidate will also:

- \* Be able to independently provide full project estimate services in terms of construction estimating (with escalation calculations & a risk quantification analysis to determine the project or estimating contingency), planning, scheduling and related functions.
- \* Have thorough knowledge of indirect costs and application of these to Owner's estimates (preferred).
- \* Be able to develop collaborative relationships within your team, with other parts of your organization and outside of your organization in support of business objectives.
- \* Be proficient with MS Office (including advanced knowledge of MS Word, Excel & PowerPoint), Adobe Acrobat Professional, Primavera P6, @Risk. Experience using specialized estimating software is an asset.
- \* Have strong written and verbal communication skills.
- \* Have excellent presentation skills at all levels.

The following additional qualifications are considered to be an asset for this role:

- \* Experience through all stages of a project, from planning through to construction.
- \* Experience preparing substation conceptual layouts based on high level scope and single-line diagrams.
- \* Experience in other substation engineering disciplines (Protection & Control, SCADA/Telecom)
- \* Site experience on large construction projects such as hydroelectric stations, substations or transmission lines.
- \* Experience in Asset Management/Capital Planning in an environment similar in nature to BC Hydro in terms of project complexity and stakeholders.
- \* Experience in reviewing/negotiating contract claims.
- \* Knowledge of AACE estimating practices and guidelines.
- \* Involvement in external organizations as it relates to estimating and construction (i.e. AACEI, BuildForce Canada, etc.).

## ADDITIONAL INFORMATION

- \* A condition of employment for this job is that you maintain a Driver's License: Class 5 In Good Standing.
- \* Candidates with lesser relevant experience are encouraged to apply and may be considered for a position appropriate for their level of experience and qualifications.
- \* BC Hydro employees will be required to provide proof they are fully vaccinated effective November 22, 2021.
- \* Please be advised that this role has been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment.

## How to Apply

Interested candidates should submit their applications online at [https://app.bchydro.com/careers/current\\_opp.html](https://app.bchydro.com/careers/current_opp.html) by **January 21, 2022**.

[Click here](#) to access the job posting or visit the [BC Hydro "Current Opportunities" Careers page](#) to view and apply for jobs.

**You must use a supported browser, such as Firefox, Internet Explorer, Google Chrome or Safari. Your pop up blocker will also need to be disabled for the BC Hydro Careers site.**

On the BC Hydro Careers site, click on the Apply button in order to complete the steps to apply for this job. Please be sure to update your Candidate Profile with your current resume and include copies of your certifications, if applicable.

We're always looking for exceptional people to bring new ideas, fresh thinking and the motivation to help shape the electricity system in B.C. It's an exciting time to be a part of our team as we invest in our system and prepare to meet the challenges of tomorrow.

Our values guide our work. Want to join us?

We are safe.

We are here for our customers.

We are one team.

We include everyone.

We act with integrity and respect.

We are forward thinking.

BC Hydro is an equal opportunity employer.

We include everyone. We welcome applications from anyone, including members of visible minorities, women, Indigenous peoples, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities.

We are also happy to provide reasonable accommodations throughout the selection process and while working at BC Hydro. If you require support applying online because you are a person with a disability, please contact us at [Recruitmenthelp@BCHydro.com](mailto:Recruitmenthelp@BCHydro.com).