

Source: BC Hydro
Job Title: Senior Engineer - Electrical and P&C Design
Job Number: BCH-R-8692-180919E1
Job Location: Burnaby, British Columbia, Canada
Job Status: Full Time Permanent

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 for four years in a row.

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:

This is a Senior Engineer position with a specific focus on hydroelectric generation protection design.

- * Act in the role of Professional of Record and Owners Engineer.
- * Engage in the detailed design of electrical utility generation protection systems, automated unit control schemes, governor and exciter control systems, water flow and spillway control systems, and public warning systems.
- * Manage medium sized projects and work packages, estimate capital costs and resource requirements, write technical specifications and standards, and provide technical design support during installation and commissioning.
- * Provide work leadership and technical direction to engineers, consultants and technical support staff, develop innovative methods of design for complex problems, and impart engineering knowledge and encourage the professional development of others.
- * Review work of the project team and of consultants and contractors to ensure accuracy, achievement of required results, and adherence to accepted engineering practice.
- * Develop and maintain effective professional relationship with internal and external colleagues in order to determine relative priorities, assess the impact of work on others, and resolve issues of concern.

Qualifications:

The successful candidate will have:

- * An Electrical engineering degree (preferably power systems) recognized by Canadian universities.

- * Ten+ years experience in a relevant engineering field, with 8 years of experience in designing, maintaining, installing and testing hydro-electric or thermal generation equipment.
- * Registered, or eligible for registration, as a Professional Engineer or Engineering Licensee with Engineers & Geoscientists British Columbia (EGBC).
- * Demonstrated technical writing and presentation skills; communication, organizational and interpersonal skills. * Excellent verbal and written communication skills in English are essential.
- * Ability to work in a team environment is essential.
- * Preference will be given to candidates which have extensive practical and strong academic knowledge with:
 - generator unit electrical protection detailed design
 - governors specification and integration design
 - exciter specification and integration design
- * Demonstrated ability to coordinate multiple projects and to plan and manage project resources is desirable.
- * Demonstrated ability to prepare technical specifications for tendering, evaluate tenders, and make recommendations for awards is desirable.

ADDITIONAL INFORMATION

- * BC Hydro will be hiring up to two persons for this position. Candidates that have previously applied do not need to do so again.
- * Candidates with lesser qualifications and/or experience are welcome to apply and may be considered for a lower level position.
- * This position will be bulletined internally and externally concurrently.
 - * The successful candidate must be willing to occasionally travel and work at various job sites across the province.
 - * A condition of employment for this job is that you maintain a Class 5 Driver's License in good standing. 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 by **October 4, 2018**.

To access the job posting, 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 act with integrity.

We respect our province.

We are forward thinking.

BC Hydro is an equal opportunity employer.