



EMPLOYMENT OPPORTUNITY

Closing Date: 2024/07/02

HEAVY CIVIL ESTIMATING ENGINEER WINNIPEG, MB

Manitoba Hydro is consistently recognized as one of Manitoba's Top Employers!

Great Benefits

- Competitive salary and benefits package.
- Defined-benefit pension plan.
- Nine-day work cycle which normally results in every other Monday off, providing for a balanced approach to work, family life and community.
- Flex-time and partially remote work schedule (providing the option to work remotely 3 days per 2 week period), depending on nature of work, operational requirements and work location.

Manitoba Hydro is a leader among energy companies in North America, recognized for providing highly reliable service and exceptional customer satisfaction. Join our team of Manitoba's best as we continue to build a company that supports innovation, commitment, and customer service, while actively supporting a diverse, equitable and inclusive workplace.

We are seeking a Heavy Civil Estimating Engineer to join our Project Services Department. Under the guidance of the Estimating Services Section Head, responsible for preparing first principles (bottom-up) cost estimates, factored cost estimate, estimate change orders, develop construction schedules, workforce estimates, undertake productivity studies for validating direct and indirect costs as well as schedules, and assist in risk analysis for heavy civil engineering projects.

Responsibilities:

- Estimate and plan large capital construction projects which would include new projects, rehabilitation work, upgrades, and expansions to existing facilities.
- Work with multidisciplinary project teams (internal or external), including managing the scope, schedule and cost of Work Packages assigned.
- Analyze historical cost estimates for benchmarking costs and establishing productivity factors, crew sizes, person-hour factors, etc. to be used for heavy civil cost estimates.
- Collect field data for various project studies such as work sampling, activity logs, etc.
- Review of work by team members – ensure that work is technically correct, as per standards, policies, best practices, and processes; share knowledge/lessons learned.
- Develop material balance plan for first principles estimation; understand geotechnical reports and understanding different class of material used for earthworks.
- Participate in the production of risk registers and other functions that are part of the risk management process.
- Deliver presentations (i.e., cost estimates) to senior professional engineers.
- Develop and monitor work and resource plans for multiple projects/programs.
- Maintain good relationships with other groups (cross-organizational, cross-function/business unit) involved in the delivery of projects, including other departments, consultants, contractors, and suppliers.
- Keep up to date on changes to internal policies and practices, internal and external standards, construction cost trends and other factors that affect project costs.
- Occasional travel to MB Hydro facilities located throughout Manitoba.

Qualifications:

- Graduate in Civil Engineering from a University of recognized standing with a minimum of six years' experience in engineering and construction with specific work on heavy civil cost estimating.
- Preference will be given to those candidates that possess experience and working knowledge with the following:
 - Experience in large civil construction, preferably in the areas of dams, hydropower stations, tunnels, bridges, roller compacted dams, concrete structures, mass excavation, and specialty ground treatments.
- Experience in preparing heavy civil estimates for owners or contractors including engineering, construction management,

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home office costs and overheads.

- Field experience on large construction projects; experience in interpreting specifications for the task and estimating all direct and indirect costs associated with the task.
- Experience in developing construction methodology for various heavy civil concrete activities like earthworks structures, batching of concrete, crushing of aggregate, quarry development, formwork, placing concrete, roller compactor concrete dams etc.
- Experience in estimation of heavy civil concrete structures, dams, dykes, installation of structural steel elements, penstocks, precast elements, trash racks, gates, and guides for hydroelectric projects.
- Experience in cycle time calculations, person-hr. factors for various estimating activities, crew setup, and productivity analysis, developing equipment and labor databases for bottom-up estimating.
- Experience in developing construction schedules for large industrial or infrastructure projects.
- Excellent teamwork, technical writing, analytical, communication and interpersonal skills.
- Proficiency with MS Office (including MS Word, Excel, MS Project & PowerPoint), Primavera P6, and specialist estimating software (HCSS, Hard dollar, SharpSoft, EBC or equivalent).
- Initiative and good judgment to develop innovative estimating and planning techniques.
- Membership in Engineers and Geoscientists Manitoba as a Professional Engineer.
- Membership in the Association for the Advancement of Cost Engineers (AACE) will be an asset.
- Possess a valid Province of Manitoba Driver's Licence with the appropriate class.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$46.06-\$63.58 Hourly, \$88,251.02-\$121,841.46 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.

The deadline for applications is JULY 2, 2024.

We thank you for your interest and will contact you if you are selected for an interview.

This document is available in accessible formats upon request. Please let us know if you require any accommodations during the recruitment process.