

Water Planning Engineer

Department: Water Planning & Project Delivery, Engineering Services, Water and Waste Department

Designated Work Location: 1199 Pacific Avenue, Hybrid

Position Type: Permanent, Full-time

Hours of Work: 8:30 a.m. to 4:30 p.m., Monday to Friday

Salary: \$85,566.26 to \$115,191.21 annually, W.A.P.S.O. Grade 5

Employee Group: W.A.P.S.O.

Posting No: 126568

Closing Date: December 19, 2025

Providing a wide range of services to over half of all Manitobans, The City of Winnipeg is one of the largest employers in Manitoba. We provide a comprehensive range of benefits and career opportunities to our employees. These include competitive salaries, employer-paid benefits, dental and vision care, pension plans, and maternity/parental leave programs. Additionally, we offer education, training, and staff development opportunities to ensure that our employees are equipped with the necessary skills to advance in their careers.

Our Benefits web page provides detailed information about the benefits we offer, and we encourage you to visit it for further information at [City of Winnipeg Benefits](#). We take pride in fostering a [respectful](#), [diverse](#), safe, and healthy workplace where our employees can thrive and achieve their full potential.

Flexible work arrangements, which may include flexible hours, remote work, or a hybrid of remote work may be available; subject to review and approval. Please note that Employees who are approved to work remotely are responsible for and must demonstrate that they are available to return to their Designated Work Location and/or other work location to attend meetings or attend other tasks that occur in person.

The City is committed to attracting and retaining a diverse, skilled workforce that is representative and reflective of the community we serve. Applications are encouraged from equity groups that have been and continue to be underrepresented at the City; Indigenous Peoples, Women, Racialized Peoples, Persons with Disabilities, 2SLGBTQQIA+ Peoples and Newcomers are encouraged to self- declare.

For the purpose of this recruitment, Equity may be a factor in selection. Consideration will be given to Indigenous Peoples, Women, Racialized Peoples, Persons with Disabilities, 2SLGBTQQIA+ Peoples and Newcomers

In accordance with the applicable collective agreement(s), recruitment and promotion provisions will be considered prior to applying equity strategies. Where permitted, preference will be given to qualified applicants who self-identify as members of the equity group(s) listed above.

Requests for Reasonable Accommodation will be accepted during the hiring process.

Preference to internal applicants may be applied.

Job Profile

Under the direction of the Branch Head, Water Planning and Project Delivery, the Water Planning Engineer fulfills the function of planning the City's water supply system. This includes water demand forecasts, supply system expansion, water quality and treatment, water conservation, and improvements to the water distribution system in order to meet prevailing industry practice for distribution pressure, available fire flows, water quality and reliability of supply to customers. The position manages professional engineering services for planning projects and supports the preparation of the Water System Fund capital budget and the Branch current estimates. The Water Planning Engineer works in partnership with the other divisions of the Water and Waste Department to integrate the operational needs, the financial plan, and health standards into the planning process for the City's water supply system.

As the *Water Planning Engineer* you will:

1. Determine level of service requirements for the water system by utilizing forecasts, surveys, reports from operations, and regulatory requirements.
2. Establish a water planning program and a schedule of activities in order to assign resources.
3. Decide assignment of water planning tasks within Department resources and in conformance with aims, goals, policies and objectives of the Department.
4. Participate in the review of water conservation strategies and hydraulic model development / studies.
5. Recommend assignment of outside engineering services for specialized water system planning activities.
6. Act as a liaison with special interest groups on behalf of the Department for water system inquiries.
7. Prepare capital estimates and five-year capital forecast to accommodate the water supply plan.
8. Provide information transfer on the water supply plan to others by writing reports and making presentations.
9. Manage professional engineering services for planning projects and other consultant assignments on system assessments, evaluations, studies, and designs.
10. Represent the Department/City on planning studies and engineering projects with other Branches, Divisions and agencies with participation in advisory groups and cross functional continuous improvement teams.
11. Monitor water system performance and improvement by conducting data gathering and reporting.
12. Provide direction and guidance to the planning group within the Water Planning and Project Delivery Branch.
13. Perform other related duties consistent with the classification, as assigned.
14. Act as Branch Head, Water Planning & Project Delivery in their absence.

Your education and qualifications include:

1. Bachelor of Science Degree in Engineering.
2. Significant number of years' experience in a field related to the duties of the position.
3. Must possess project management skills.
4. Ability to work under stressful situations to accommodate time limits and program changes.

5. Working knowledge of the engineering principles required to perform the duties including design standards and cost estimating.
6. Specific working knowledge of the design of municipal water distribution and treatment systems including hydraulic modeling and analyses.
7. Working knowledge of planning and policy formulation, City By-Laws, Provincial Legislation and Federal Legislation.
8. Working knowledge of engineering service capabilities of engineering consultants and administration of such services.
9. Demonstrated ability to communicate effectively both verbally and in writing.
10. Demonstrated leadership capabilities and the ability to direct staff and effectively plan and schedule work.
11. Working knowledge and use of computer systems, particularly hydraulic modeling concepts with respect to engineering applications for water supply, and skills for word processing, spreadsheets, MS Project.
12. Demonstrated ability to establish and maintain positive working relationships with employees at all levels of the organization, external contacts and the public, in accordance with the Respectful Workplace Standard.

***IMPORTANT:** Applicants who have been educated outside of Canada must have education which is comparable to the minimum qualification in Canada. Applicants submitting foreign credentials require an official academic assessment report issued by a recognized [Canadian assessment service](https://canalliance.org/en/) <https://canalliance.org/en/> at application.

Conditions of employment:

1. The successful candidate must maintain legal eligibility to work in Canada. If the successful candidate possesses a work permit, it is their responsibility to ensure the permit remains valid.
2. A Police Information Check satisfactory to the employer will be required from the successful candidate, at their expense.
3. Must possess and maintain a valid Manitoba Class 5 Driver's License.
4. Professional Engineer designation and eligible for registration with Engineers Geoscientists Manitoba (E.G.M.).

APPLY ONLINE, including all documentation listed below:

1. Current resume (**Required**).
2. Cover letter.
3. Applications submitted without REQUIRED documentation will not be considered.

Your application documents must clearly indicate how you meet the qualifications of the position.

Online applications can be submitted at <http://www.winnipeg.ca/hr/>. For instructions on how to apply and how to attach required documents please refer to our [FAQ's](#) or contact [311](#).

Position Reports To: Branch Head, Water Planning & Project Delivery

1. Applicants may be required to undergo testing to determine their knowledge, abilities, and skills as they relate to the qualifications of the position.
2. The various work environments that the position may encounter during the course of a normal working day may subject the employee to noxious odours, gas, dust and occasional exposure to adverse weather.
3. The successful applicant will be required to provide a vehicle for transportation while on City business, subject to the terms and conditions of the City Transportation Policy.
4. The successful applicant will be required to provide a Notice of Driver's License In Force document upon request.

Only candidates selected for interviews will be contacted.