



Make working for
The City work for you.



Infrastructure Engineer, Utilities Asset Management

If you are committed to public service, enjoy collaborating with others, share our values and have a desire to learn and grow, join [The City of Calgary](#). City employees deliver the services, run the programs and operate the facilities which make a difference in our community. We support work-life balance, promote physical and psychological safety, and offer competitive wages, pensions, and [benefits](#). Together we make Calgary a great place to make a living, a great place to make a life.

The City is committed to fostering a respectful, inclusive and equitable workplace which is representative of the community we serve. We welcome those who have demonstrated a commitment to upholding the values of equity, diversity, inclusion, anti-racism and reconciliation. Applications are encouraged from members of groups that are historically disadvantaged and underrepresented. Accommodations are available during the hiring process, upon request.

As the Infrastructure Engineer you will plan, design and implement Asset Management (AM) strategies for the three Water Utility lines of service to achieve our technical and customer levels of service. This position will also involve long and short-term strategic AM strategies to achieve long-term health and sustainability of water, wastewater and stormwater infrastructure of the City of Calgary. Primary duties include:

- Lead and manage projects related to short term and long-term strategic plans for the Water Utility.
- Analyze available data pertaining to the Water Utility assets to determine optimized plan for future operations, growth, renewal and replacement, and innovation.
- Develop and monitor annual capital AM programs for replacement and rehabilitation of Utility assets.
- Contribute to the preparation of long-range infrastructure plans, servicing studies and operational plans, including further development of risk, levels of service and strategic plans.
- Monitor trends and develop solutions for the Water Utility servicing considering the integrated system of treatment plants, lift/pump stations, pipes, ponds and outfalls.
- Prototype methodologies and tools to support lifecycle analysis and costing, risk analysis, and statistical and data mining techniques to support strategic and operational AM needs.
- Lead and guide cross-functional team members to utilize AM strategies and best practices to improve processes and management of assets in operation.
- Build and foster networks and relationships with internal technical experts, operations staff, and other business units.
- Strengthen Asset Planning's working relationship with key partners across Water Utility.
- Establish priorities within individual projects within program priorities set by Senior Planning Engineers and Utility Leaders.
- Plan, manage and deliver projects to support the planning and analysis functions of the Water Utility.
- Assist in budget planning, preparation of business cases and other project management duties.
- Prepare in-house studies, executive reports, presentations, training materials and other pertinent written documents on AM principles, practices and strategies related to the Water Utility infrastructures.

Qualifications

- A degree in Civil Engineering or a related Engineering field.
- You must have at least 4 years of relevant professional engineering experience obtained after receiving your P. Eng. Designation and a current licensure as a Professional Engineer with the Association of Professional Engineers and Geoscientists of Alberta (APEGA) **complete with practicing status** OR licensure **and practicing status** by the first day of work. [Click here for more details](#).
- A strong background and keen interest in water, wastewater and stormwater utilities.
- A valid Class 5 Driver's License (or provincial equivalent) and access to a personal vehicle for business use is required.
- Previous experience in municipal engineering, data analytics, asset and risk management, and project management.
- Working knowledge of treatment plants and/ or linear systems design, operations and maintenance, and strong analytical skills would be considered an asset.
- Ability to work with complex and integrated information systems such as Geographic Information Systems (ArcGIS) and knowledge of Structured Query Language (SQL), SAP Business Objects/ Web Intelligence, advanced Excel, Computerized Maintenance Management Systems (CMMS) such as Oracle Work and Asset Management (WAM) or IBM Maximo will be considered an asset.
- Success in this position requires strong abilities in project management, strategic and critical thinking, problem solving and planning skills with attention to detail and accuracy, risk assessment, independent decision making, excellent communication and interpersonal skills, change management, relationship building and engaging with others.

Pre-employment Requirements

- Successful applicants must provide proof of qualifications.

Union: Exempt	Business Unit: Capital Priorities and Investment
Position Type: 3 Permanent	Location: 625 25 Avenue SE
Compensation: Engineer Level E \$91,367 – 137,955 per annum	Days of Work: This position works a 5 day work week earning 1 day off in a 3 week cycle.
Hours of work: Standard 35 hour work week	Apply By: October 15, 2024
Audience: Internal/External	Job ID #: 309609

Apply online at www.calgary.ca/careers