



Make working for
The City work for you.



Planning Engineer, River Engineering

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 a Planning Engineer, you will be a climate- and hydrology-focused specialist within the River Engineering team. You will use and develop your climate science and hydrotechnical skills by leading and participating in a variety of projects which support river flood resilience, potable water supply, wastewater and stormwater lines of service as well as climate adaptation and environmental performance objectives. Work within the role will focus on how our changing climate is affecting our watersheds to inform watershed planning, river engineering, water services and related operations, infrastructure design, and planning policies. Primary duties include:

- Lead studies and data reviews to refine river and watershed climate projections, including liaising and/or managing projects with researchers and/or consultants on current data, modelling and methodologies applicable for our region to determine potential changes to the seasonality, magnitude and frequencies of low and high flows in Calgary's rivers and creeks.
- Build capacity of the River Engineering team and other City staff on future flow projections, climate science and available data.
- Create and share climate study findings and key messages with city staff, project teams and the public.
- Support ongoing operational and planning work with seasonal hydrologic analyses.
- Lead or support projects on flood damage modelling, watershed metrics and reporting, creek hydrology and flood mapping, infrastructure design, dam safety and asset management.
- Participate in the River Forecaster-on-Duty rotation to monitor watershed and river conditions for flood, drought, and ice jam risks, and participate in annual flood response preparations and emergency planning and response activities.
- Support development reviews and bylaw/policy updates, providing guidance on how The City can create resilience to future climate and flood impacts through planning policies and development regulation.
- Collaborate with other City teams engaging with Calgarians, the insurance industry, academics, and others to deliver programs.

Qualifications

- A degree in Civil, Water Resources, Environmental Engineering or a related Engineering field and 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](#).
- Experience must include climate science and hydrology modelling, along with experience using hydrologic and hydraulic modelling software such as HEC-RAS, HEC-HMS, Raven, FEWS, and/or SWMM/XPSWMM.
- A valid Class 5 Driver's License (or provincial equivalent) and access to a personal vehicle for business use OR the ability to obtain a City of Calgary [operator's permit](#) is required.
- A master's degree in a water resources, hydrology, climate science, meteorology or a related field is an asset.
- Experience in hydrologic analyses, hydraulic modelling, river forecasting, flood management, dam safety, and analyses of watershed hydrology for future climate states is an asset.
- Familiarity with GIS/ArcMap/ArcGISPro and advanced Microsoft Excel skills are assets.
- Project management training and experience are assets.
- The successful candidate will have proven initiative to tackle new projects, a track record of achieving project results, and strong communication and collaboration skills.

Pre-employment Requirements

- Successful applicants must provide proof of qualifications.

Workstyle

- This position may be eligible to work from home as one of several flexible work options available to City employees. Such arrangements are based on the operational requirements of the position and employee suitability and are subject to change based on operational needs and corporate direction.

Note: Please note all exempt positions at The City are undergoing a compensation review. This means the union jurisdiction and/or salary range listed here may change. [Tell me more](#).

Union: Exempt
Position Type: 1 Permanent
Compensation: Engineer Level E \$91,367 – 137,955 per annum
Hours of work: Standard 35 hour work week
Audience: Internal/External

Business Unit: Climate and Environment
Location: 625 25 Avenue SE
Days of Work: This position typically works a 5 day work week, earning 1 day off in each 3 week cycle.
Apply By: February 3, 2025
Job ID #: 311140

Apply online at www.calgary.ca/careers