



Rossdale Water Treatment Plant

Flood Mitigation Project Newsletter
Spring 2025

HOW WE'RE PROTECTING THE WATER SUPPLY FOR 90+ COMMUNITIES

EPCOR is taking action to protect the water supply for Edmonton and more than 90 surrounding communities from flooding while also partnering with local communities on flood resilience.

We have begun construction on the flood mitigation project to lessen the chance of catastrophic damage to the Rosssdale and E.L. Smith water treatment plants (WTPs) during a North Saskatchewan River flood, and help us resume water treatment as quickly as possible after a flood.

The project will protect the region's drinking water supply by:

- Installing flood barriers to protect water treatment equipment, such as transformers and pumps, and below-grade treated water reservoirs
- Preventing river water from backing up into the plants by installing flood gates into existing plant drainage pipes that discharge to the river
- Increasing protection to critical assets or relocating them to higher ground within the plants

CONSTRUCTION UPDATES

We are constructing flood barriers that include a combination of grass-covered embankments and flood walls, both topped with security fencing where appropriate. These barriers were designed with input from Indigenous partners and local communities while meeting technical requirements, reducing the impacts to vegetation and wildlife, and minimizing the cost to ratepayers.

Here is the current schedule for the project at the Rosssdale WTP. Please note, construction schedules may change based on weather, progress, construction conditions and other factors.

- **2023** — project approval by Edmonton City Council, following three years of planning and community engagement
- **Spring 2025** (targeting late April) — start of excavation on flood wall
- **Q2 2025** — start of concrete wall foundations
- **Q3 2025-Q4 2026** — construction of concrete wall
- **September 2025-Q2 2027** — construction of grass-covered embankments
- **Q3 2026** — outfall flood gates completion

ROSSDALE WTP FLOOD BARRIER CONSTRUCTION MAP - 2025



EXPRESSION OF INTEREST FOR ART & INTERPRETIVE ELEMENTS

In late 2024, we started Phase 4 of the engagement process, convening a panel of Indigenous and Rosssdale community members to recommend an approach to art and interpretive elements for barriers at Rosssdale.

With the panel's input, we are undertaking an expression of interest process to solicit artists and collectives to create the art and interpretive elements.

SAFETY & COMMUNITY IMPACTS

- Construction areas will be fenced or marked as restricted areas. We will take every precaution to ensure the safety of the public and our staff, and we request your assistance in keeping clear of the construction site and equipment.
- A generator may run during daytime, weekday hours only. We are installing noise mitigation measures to minimize the impact to residents.
- We continue to work with our contractors to ensure we meet the City of Edmonton's Community Standards Bylaw, mitigating noise, air, traffic/pedestrian, and other impacts.
- Typical hours of work will be from **7 a.m. – 7 p.m., Monday to Friday**. If required, these hours may be extended into the evenings/weekends.
- Where possible, we will notify local communities ahead of any work that is expected to have higher-than-normal impacts (such as noise, traffic, dust, timelines, etc.).

TRAFFIC AND TRAIL IMPACTS

The project requires construction access and activities on and near the trails that run directly east and south of the water treatment plant. After a detailed review, we determined that it will not be feasible to re-route trails. Therefore, there will be the following trail closures:

- From spring 2025 to Q4 2025, the stretch of trail along 101 Street from 94 – 95 Avenue will be redirected one street to the east.
- From fall 2025 to 2027, the trail to the south of the Rosssdale WTP will be closed and trail users will be redirected to go around the plant.

For your safety, please observe all barriers and signage and keep away from work areas.



LEARN MORE

This notice is intended as a summary of upcoming work. For much more detail on the project, including barrier design, community engagement, vegetation management, and other aspects, visit epcor.com/floodprotection.

Your questions, input and feedback are important to us.

Contact the project team

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