



Partners in Neighbourhood Flood Resilience

Project Summary & Opportunities for Input

MAY 2022

WHAT'S HAPPENING?

Edmonton's Rossdale neighbourhood is located in the North Saskatchewan River floodplain. EPCOR is partnering with Rossdale on flood resilience, and taking action to protect the water supply for Edmonton and more than 65 surrounding communities in the event of a major river flood.

We understand that Rossdale residents are concerned about the potential impact of a major flood on their personal properties. EPCOR has programs in place to help mitigate the impacts of both rainfall and river-related flooding. As part of efforts to help Rossdale

PROTECTING NEIGHBOURHOODS FROM FLOOD RISK

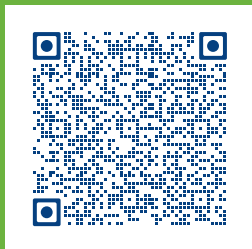
To manage flood impacts to residential and commercial customers in Edmonton, including the Rossdale neighbourhood, EPCOR has developed the Stormwater Integrated Resource Plan (SIRP). SIRP is a 20-year, \$1.6-billion plan that includes a variety of actions to slow, move, secure, predict and respond to flooding in Edmonton neighbourhoods.

As part of this, EPCOR provides a free Flood Prevention Program available to residents in the City of Edmonton. Our flood prevention advisors are available to help residents identify their individual property risks and options to mitigate those risks. A backwater valve subsidy is also available to eligible properties.

Book online!

Book a free homeowner flood prevention inspection with one of our advisors online.

Contact us at floodprevention@epcor.com or visit epcor.com/floodprevention to learn more.



<https://book.timify.com/?accountId=619d4d743844a2114dc5a3f9>

residents protect their properties from the impact of a major flood, included in this newsletter is an overview of EPCOR's Homeowner Flood Prevention Program, along with directions on how to find more information.

At this time we are also seeking community input into how we design flood barriers that protect the Rossdale Water Treatment Plant.

ABOUT THE ROSSDALE WATER TREATMENT PLANT FLOOD MITIGATION PROJECT

To protect the Rossdale Water Treatment Plant (WTP) from major flooding should the North Saskatchewan River overtop its banks, EPCOR is proposing to:

- Construct permanent flood barriers at key locations around the plant
- Increase protection to critical assets or relocate them to higher ground
- Prevent river water from backing up into the water treatment plant through intake or drainage pipes that discharge to the river

Once completed, this project will limit potential damage to critical equipment and drinking water reservoirs, and ensure that we can resume producing clean drinking water as quickly as possible after a flood.

Protecting the Edmonton region's drinking water with no added risk to neighbours

A key commitment of our plans to protect the Rossdale Water Treatment Plant is that the flood barriers **will not worsen flooding in the surrounding neighbourhood** or negatively impact nearby homes.

EPCOR relies on hydraulic modelling from the provincial government, which is based on work by the United States Army Corps of Engineers. The modelling, as confirmed by a third-party consultant, shows that there would be no change in the water level across the flood plain around Rossdale due to the treatment plant flood barriers.

We are also committed to helping protect our neighbours in the Rossdale community. In the event of a severe flood from the river overtopping its banks, the City of Edmonton and Alberta Environment and Parks would activate their Emergency Operations Centre. EPCOR would work with our partners during the response, and ensure that safe, clean water remains available to help with response and recovery efforts.



Map updated April 2022 to show revised design at location 4. A wall has been selected for this location due to engineering requirements.

PROVIDE YOUR INPUT

Your preferences for WTP flood barriers

Two different types of flood barriers can be used at the Rossdale WTP to meet the requirements of planning for a major flood:



- *Grass-covered embankments topped with security fencing.* These are more natural looking, but take up a wider space due to the slopes. They can only accommodate naturalized grasses or sod.



- *Flood walls topped with security fencing.* These take up less space and can incorporate more of the design considerations and amenities listed below.

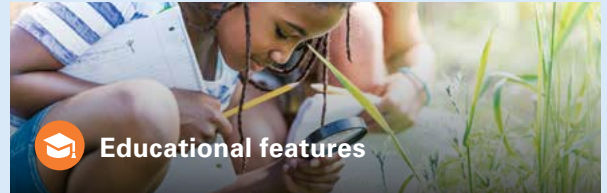
The map at left shows options for flood barriers at five key locations. We want to understand your preferences for the type of flood barriers at Locations 2 and 3 around the water treatment plant (wall or grass covered embankment). We've already selected barrier designs at other locations based on engineering and other requirements.



See the flood barriers and learn more.
<https://qrco.de/bd0VLB>

Your preferences for barrier design

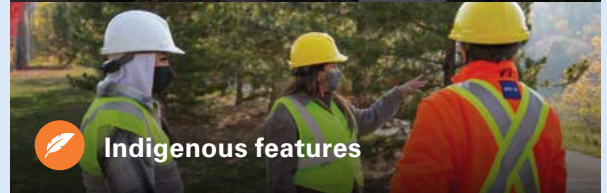
In each WTP location, we are considering how we can incorporate community-preferred design elements into the flood barrier, including:




 Educational features



 Historical features



 Indigenous features




 Artistic features



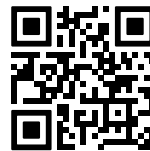
 Community space



 Recreational space



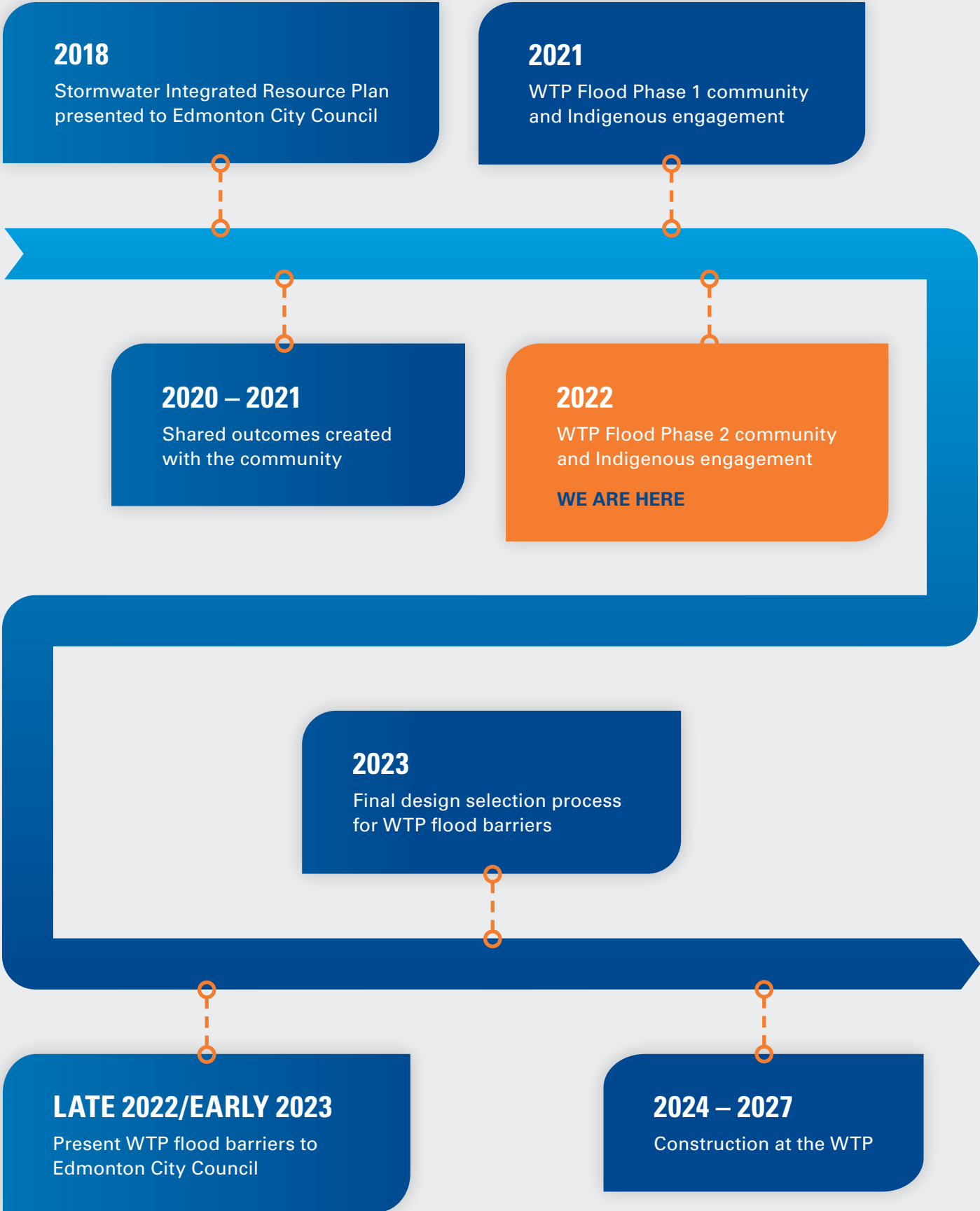
 Flexible space



See options for design features and amenities.
<https://qrco.de/bd0VVA>

We want to hear how you think we could design what these flood barriers look and feel like in each location around the Rossdale plant (Locations 1 – 5).

WATER TREATMENT PLANT (WTP) FLOOD MITIGATION PROJECT AND ENGAGEMENT TIMELINE



HAVE YOUR SAY

Learn more

Find more project information, including detailed renderings, at [epcor.com/floodprotection](https://www.epcor.com/floodprotection).

We regularly share facility updates about the Rossdale Water Treatment Plant, information about work underway, and future engagement activities on our website. Check it out at www.epcor.com/rossdale.

For more information about the Homeowner Flood Protection Program, visit [epcor.com/floodprevention](https://www.epcor.com/floodprevention).



Take our online survey for the Rossdale WTP flood mitigation project by scanning this QR code with your smart phone.

<https://www.surveymonkey.com/r/JLDC72P>

We've also been advertising engagement opportunities on our EPCOR Canada social media pages.

 twitter.com/EPCOR

 facebook.com/EPCOR

 linkedin.com/EPCOR

LET'S TALK

Phone: (780) 412-3599

Email: waterprojects@epcor.com

EPCOR gratefully acknowledges grant funding received through the Alberta Community Resilience Program and the Government of Canada's Disaster Mitigation & Adaptation Fund.

As partners in flood resilience, we each have an important role to play in protecting our community and critical infrastructure. Thank you for your participation.