



# Water System Planning

IP2025-0150

February 12, 2025

To share with the Infrastructure & Planning Committee, Council and Calgarians:

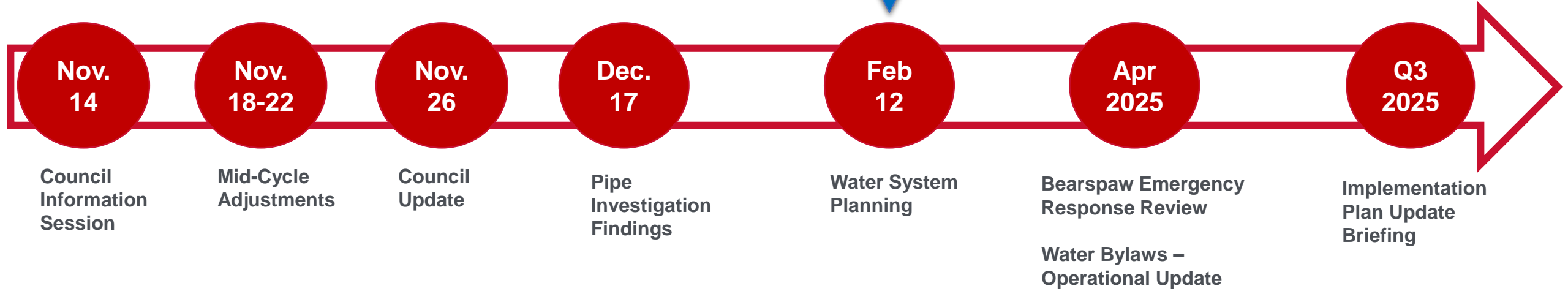
1. How we plan for water system capacity and redundancy to ensure delivery of safe drinking water to customers now and in the future.
2. The infrastructure projects that are underway to serve growth in Calgary and the region, provide system redundancy and the City's next steps to improve the reliability of the Bearspaw South Feeder main.
3. That this report is not part of the independent review. Learnings from the independent review will be used to improve water system planning and investments.





# Conversations with Council

Today





## Recommendations:

That Infrastructure and Planning Committee recommend that Council:

1. Receive this report for the Corporate Record.



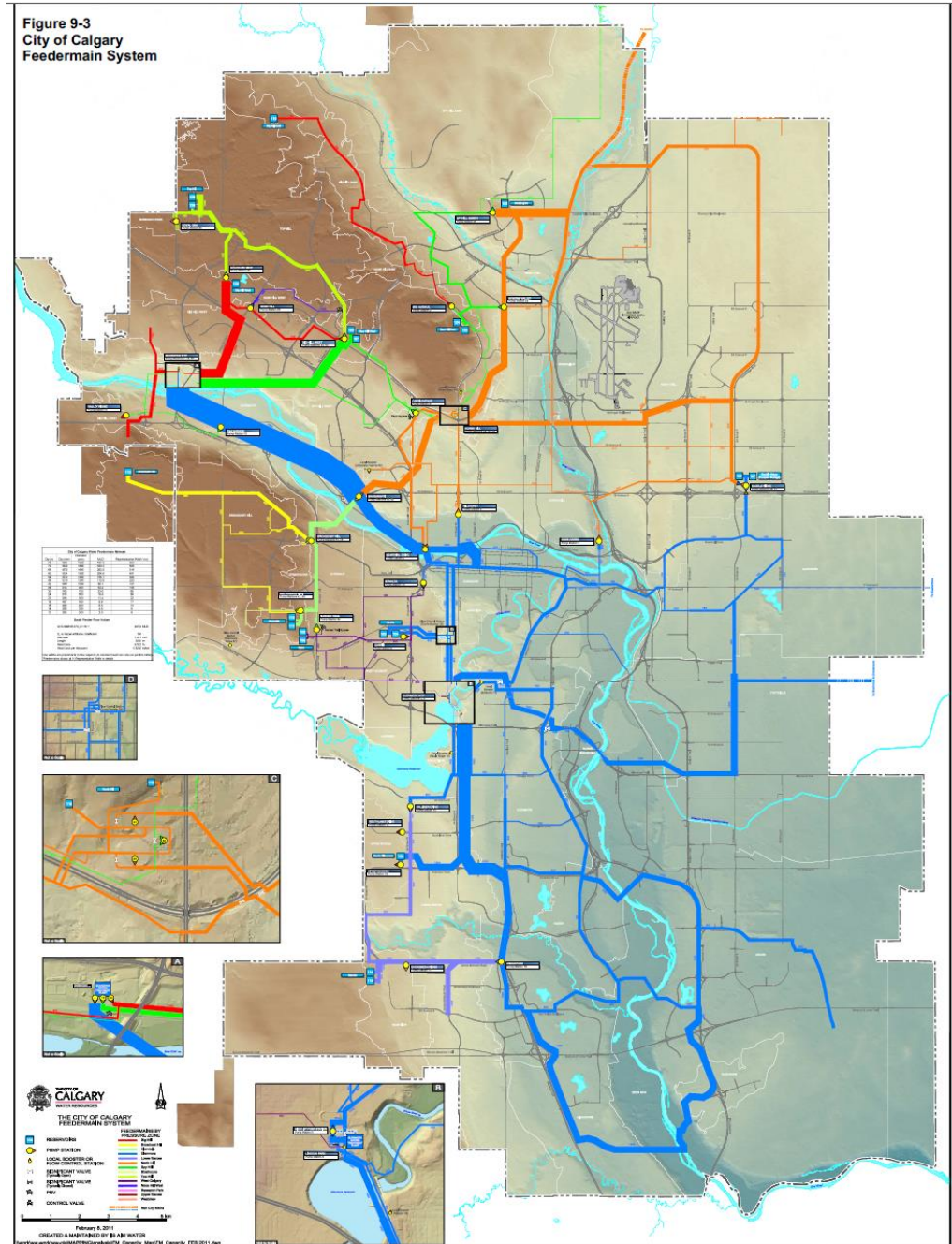
# Water System Planning

# Effectively planning to meet our customers needs

In normal working conditions the water system can meet the **maximum day demand** for Calgary and the region.

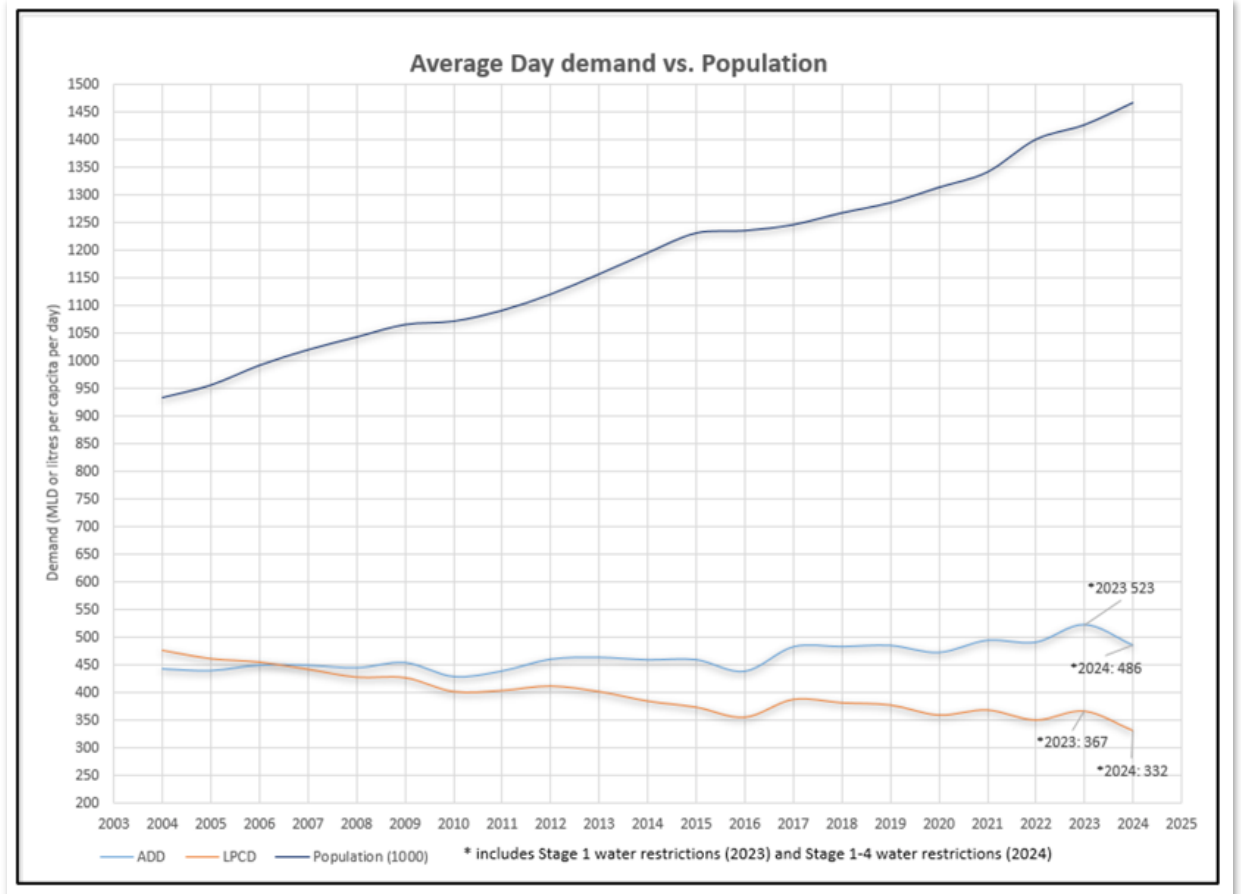
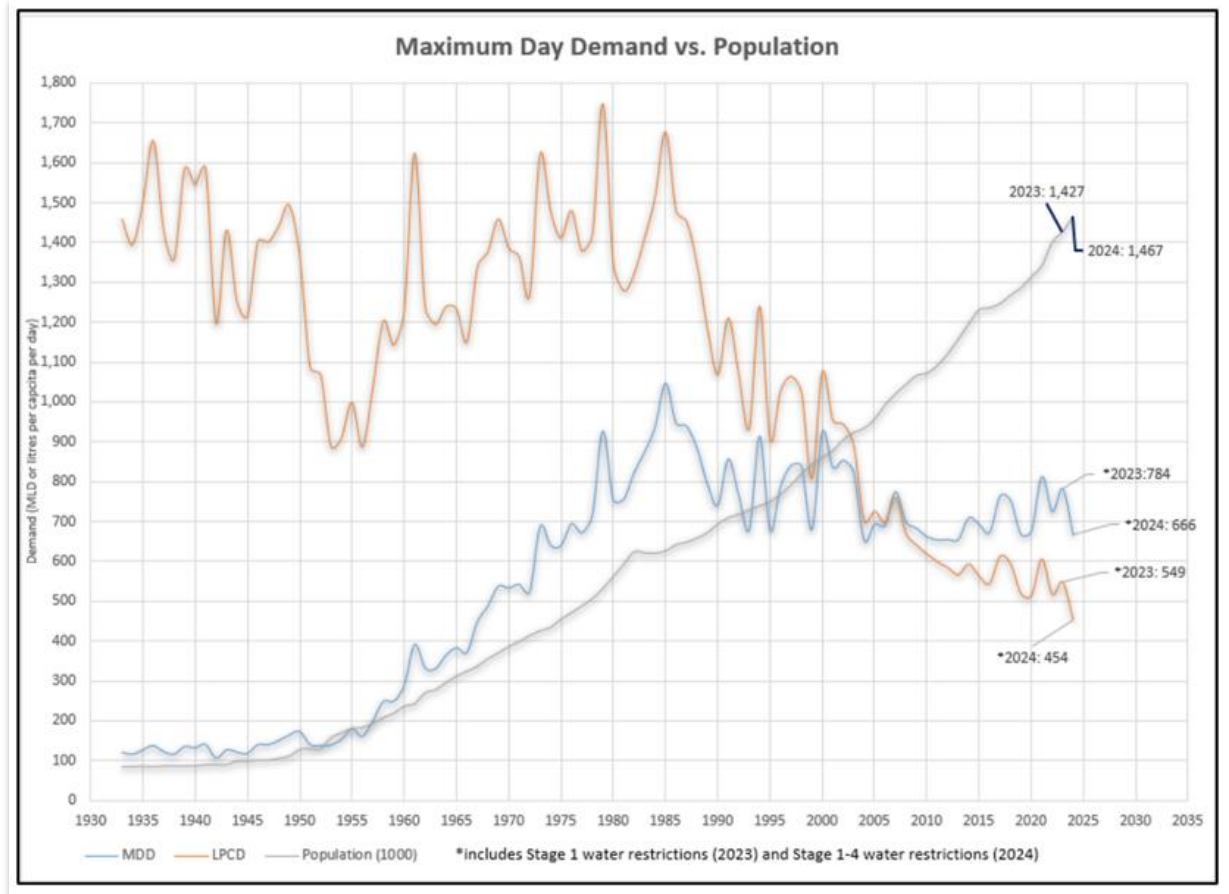
In planned or emergency infrastructure outage the water system can meet **average day demand** for Calgary and the region.

Figure 9-3  
City of Calgary  
Feedermain System



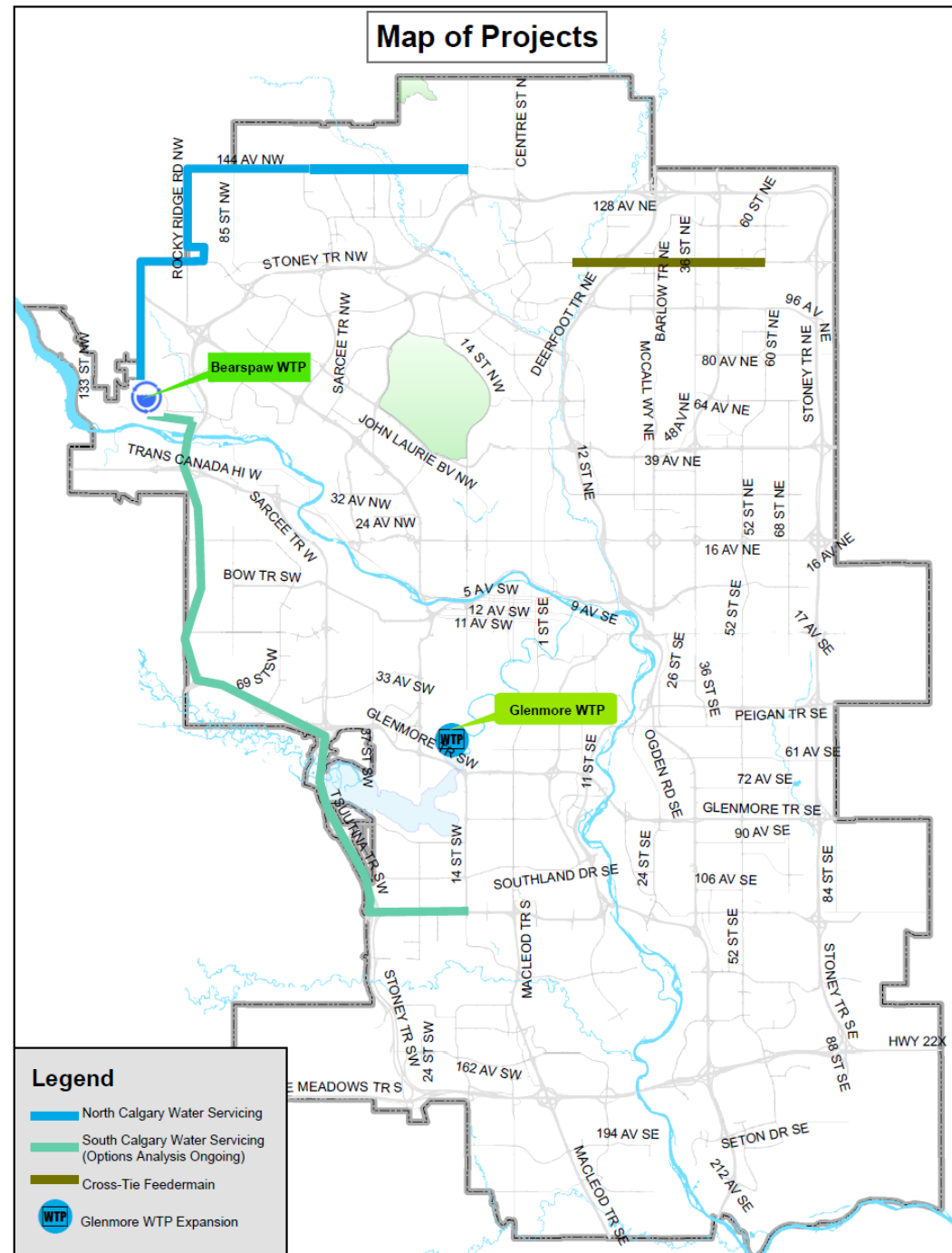


# Building on the success of Calgary's water efficiency efforts





# Critical infrastructure investments being made to ensure continued water service reliability



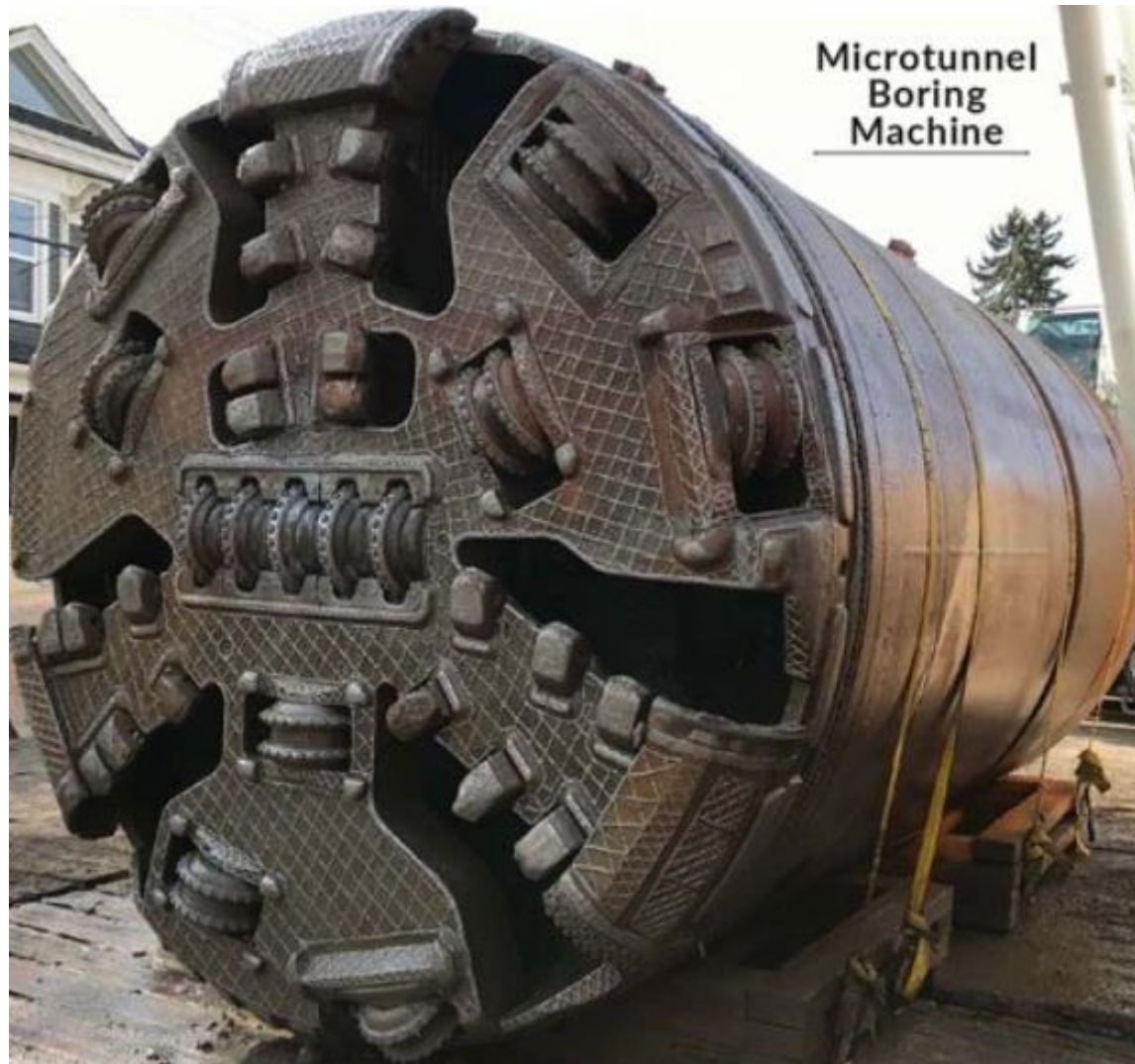




# Reliability of Bearspaw South Feedermain



# Efforts to improve Bearspaw South Feedermain Reliability

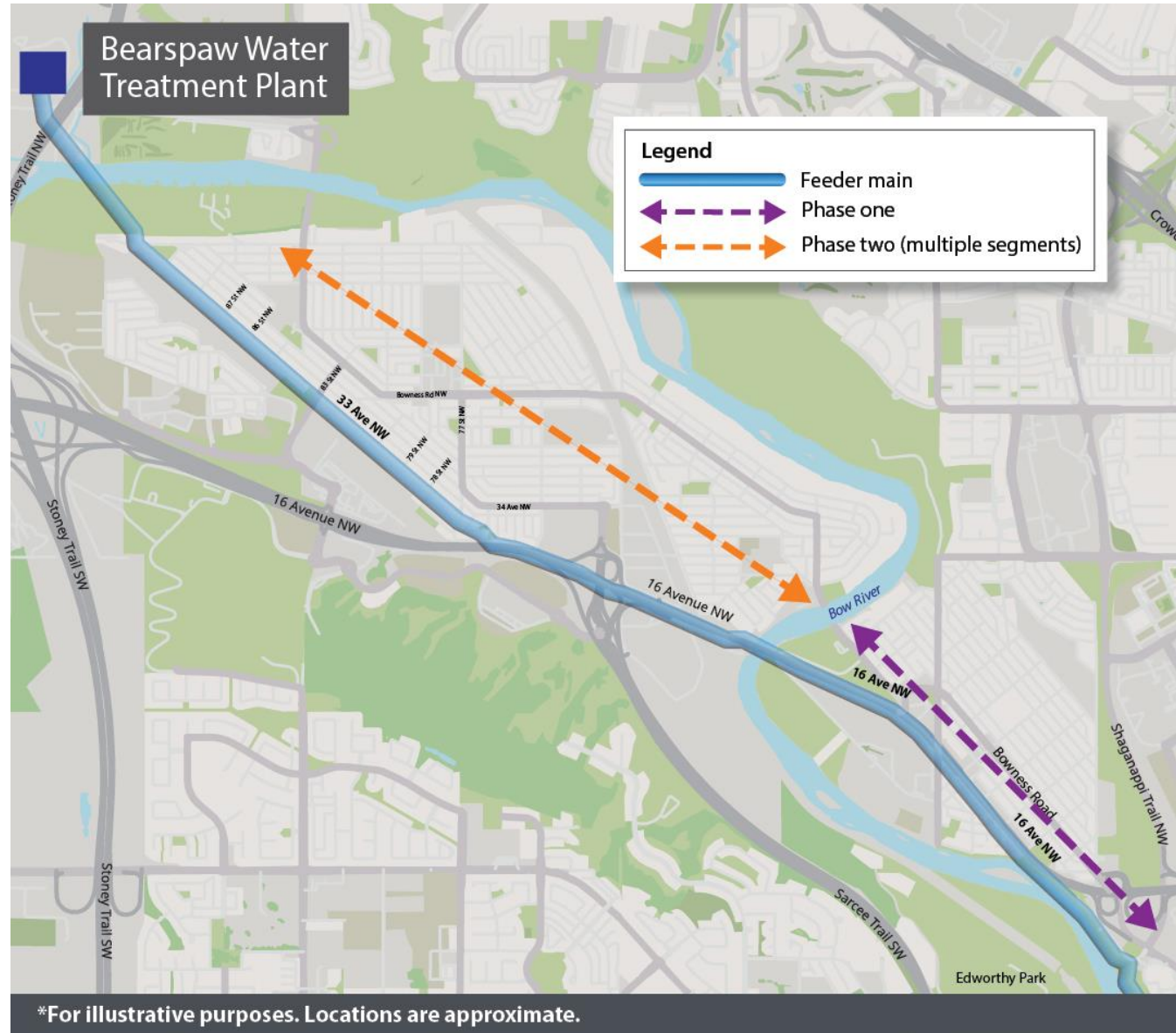


The Bearspaw South Feedermain continues to play a critical role in the water system

The Water Utility is exploring options to ensure the reliability of the feedermain – Microtunnelling is the most probable option.



# Preliminary Design





# Council touchpoints on Water related items

Today



Feb  
12

**Water System Planning**  
(to Infrastructure and Planning Committee)

Mar  
2025

**Wheatland County Water Servicing Request**  
(to Intergovernment Affairs Committee)

April  
2025

**Bearspaw Emergency Response Review**  
(to Council)

**Water Bylaws – Operational Update**  
(to Executive Committee)

May  
2025

**Biannual Infrastructure Insights Report**  
(to Infrastructure & Planning Committee)

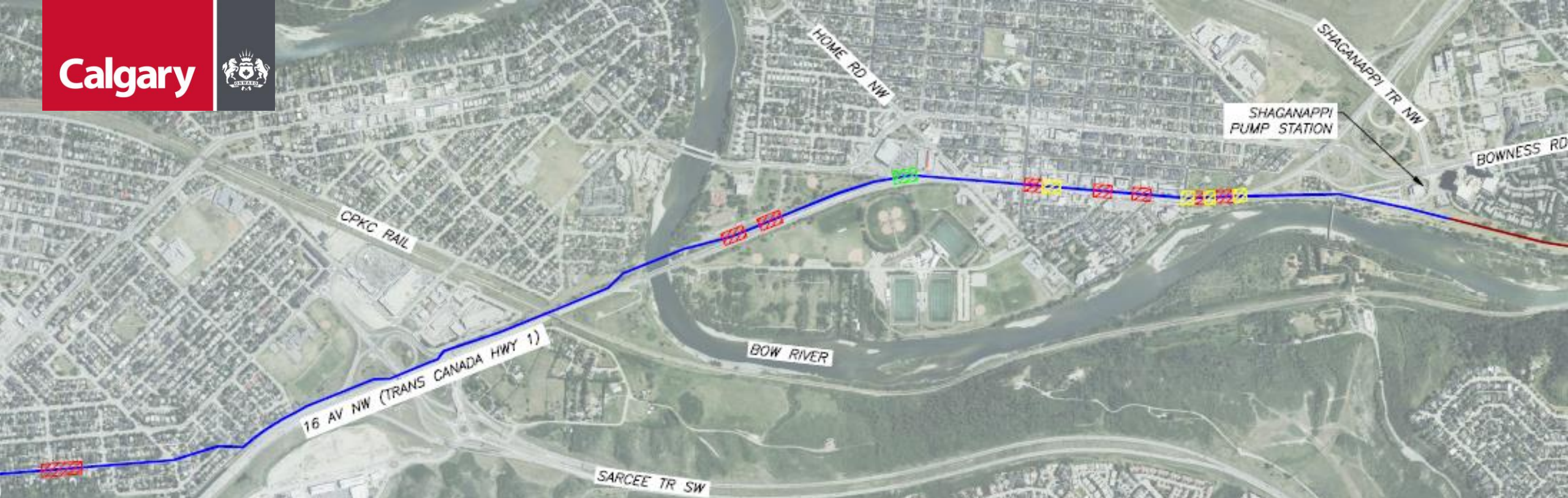
Q3/Q4  
2025

**Update on Implementation Plan Briefing**  
(to Infrastructure & Planning Committee)

**Calgary River Valleys Project**  
(to Community Development Committee)

2026

**Water Efficiency Plan**  
(to Community Development Committee)



## Recommendations:

That Infrastructure and Planning Committee recommend that Council:

1. Receive this report for the corporate record.