

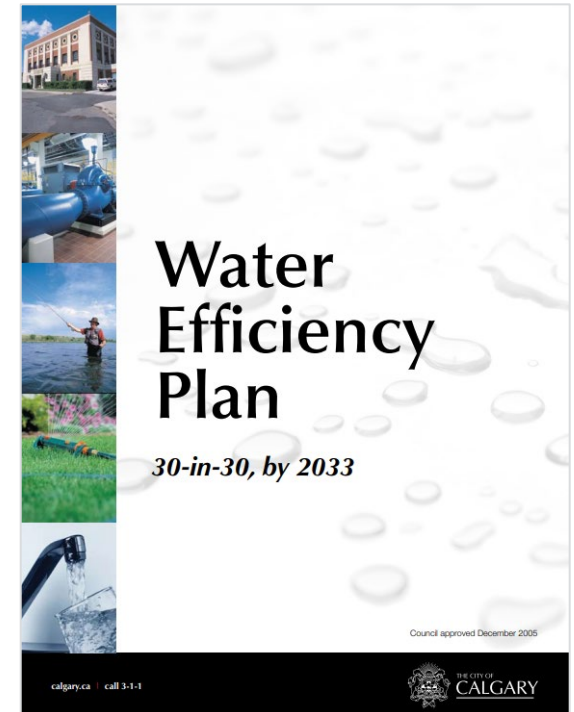
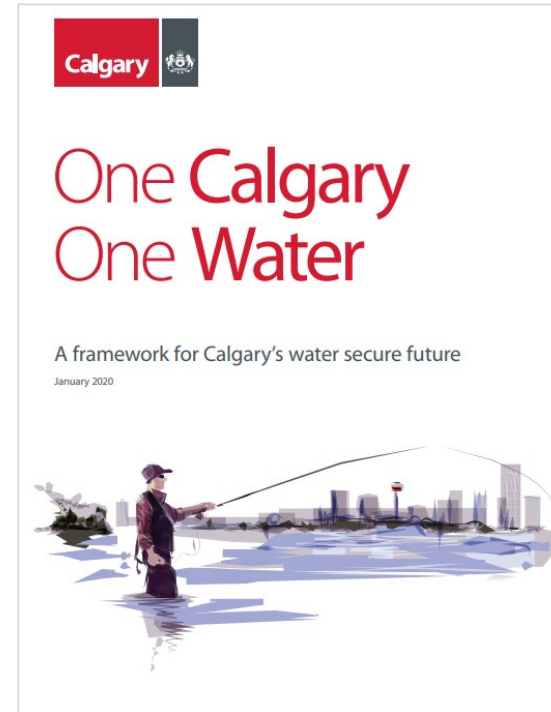
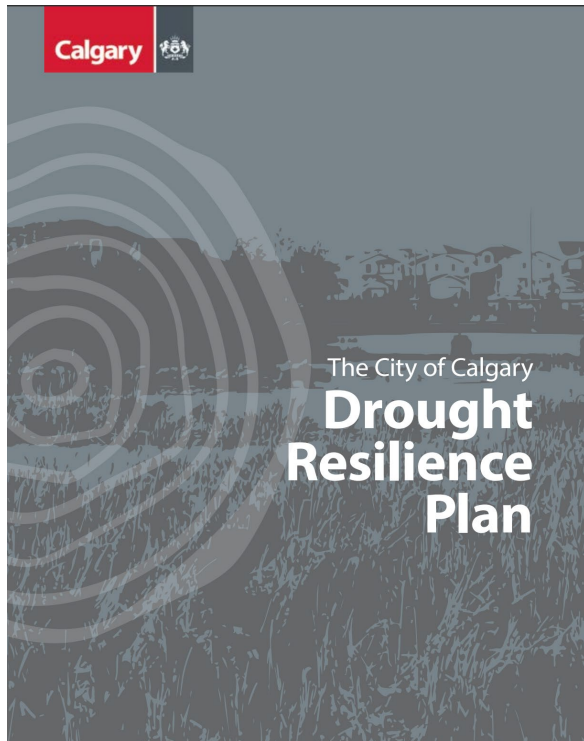


Water Efficiency Plan and Update to the Water Utility Bylaw

April 1, 2026



Previous Council Direction





That the Community Development Committee recommend that Council:

1. Approve the Water Efficiency Plan (Attachment 2).
2. Give three readings to the proposed bylaw to amend Bylaw 40M2006, the Water Utility Bylaw (Attachment 5).
3. Direct Administration to consider the required operating and capital investments needed to enable this report (CD2026-0150) in the prioritization of investments for the 2027-2030 Business Plans and Budgets (Attachment 8).

We need water.

For Daily Living



Water is crucial for every household – for drinking, cleaning, hygiene, play, and landscapes.

For Public Services



For firefighting, hospitals, ice rinks, pools, road washing, parks, and more.

For Prosperity



Reliable water service supports Calgary's economy, businesses, and City-building.

We face real risks.



Infrastructure Reliability



Optimizing Infrastructure Capacity



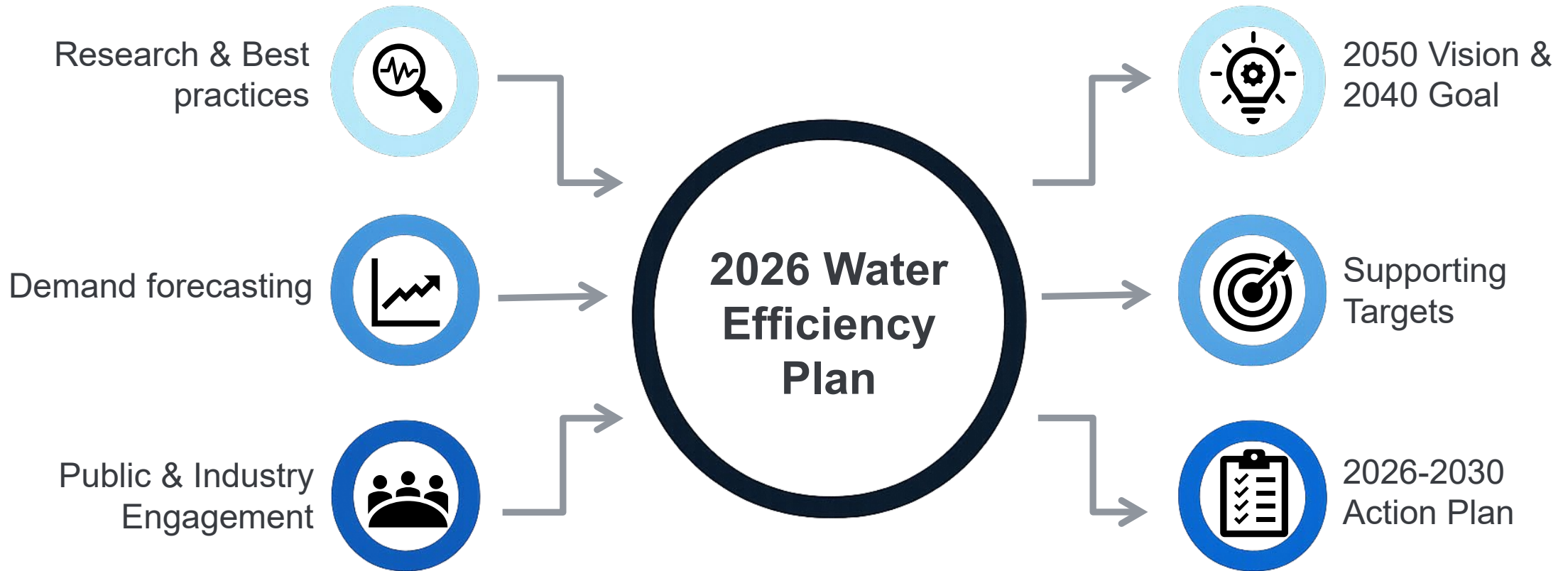
Water availability

Short-term



Long-term

Using water wisely manages risks.





Water Efficiency Plan



Focus Areas



Fixing leaks and optimizing system performance



Using data and technology to make better decisions



Protecting water availability during high-demand times



Protecting the Bow and Elbow Rivers



Planning for a financially sustainable water future



Empowering Calgarians and businesses to use water wisely



Water Loss

3.0 Infrastructure Leakage Index (ILI) by 2030

Water Meter Replacement

100% transition to advanced metering technology by 2031

Peak Day Demand

Remain below 908 ML/day through 2040

River Withdrawals

Remain below 231,000 ML/year through 2040

Residential Demand

160 litres per capita per day (LPCD) by 2030
150 LPCD by 2040

Industrial, Commercial & Institutional Demand

Establish target(s) by 2030

What are the changes?



Outdoor Water Schedule

- Sets designated watering days and times (3 days per week)
- Water any day or time with watering can or spring-loaded nozzle
- Water newly planted trees, shrubs, and grass any time and by any method
- Water edible crops anytime

Low Water Use Fixtures

- Updates requirements for showerheads, residential lavatory and kitchen faucets, and commercial pre-rinse spray valves
- For new builds and renovations only
- Aligns with the National Plumbing Code

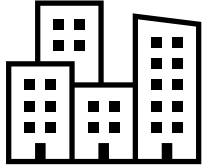
Outdoor Water Restrictions

- Extended sprinkler hours and consistent permissions for watering methods
- For multi-family site and Industrial, Commercial, and Institutional sites
- Informed by engagement in 2024 and 2025.

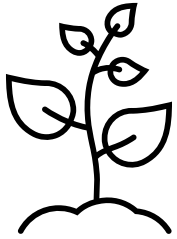
Director Orders

- Update Director authority to issue an order to cease or restrict use of water
- A tool that complements existing authority to physically discontinue water service

What we heard through engagement



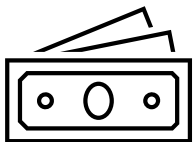
Leadership



Green Spaces



Programs



Affordability



Water for all – Now and into the future.





Recommendations












That the Community Development Committee recommend that Council:

1. Approve the Water Efficiency Plan (Attachment 2).
2. Give three readings to the proposed bylaw to amend Bylaw 40M2006, the Water Utility Bylaw (Attachment 5).
3. Direct Administration to consider the required operating and capital investments needed to enable this report (CD2026-0150) in the prioritization of investments for the 2027-2030 Business Plans and Budgets (Attachment 8).



Supplementary Information

Water Efficiency Plan: 2026-2030 Actions

Focus Areas	Actions	Targets
 Fixing leaks and optimizing system performance	Action 1. Advance the Accelerated Water Loss Program	 Reduce Water Loss 3.0 infrastructure Leakage Index (ILI) by 2030
 Using data and technology to make better decisions	Action 2. Continue the Water Meter Replacement Program	 Water Metre Replacement 100% transition to advanced metering technology by 2031.
 Protecting water availability during high-demand times	Action 3. Introduce an Outdoor Watering Schedule Action 4. Expand the Water Managed Sites Program	 Peak Day Demand Remain below 908 ML/day through 2040
 Protecting the Bow and Elbow Rivers	Action 5. Strengthen Water Efficiency Regulations, Standards and Design Guidelines	 River Withdrawals Remain below 233,000 ML/year through 2040
 Planning for a financially sustainable water future	Action 6. Pursue Conservation-Oriented Rate Structures	 Residential Demand 160 by 2030 150 by 2040
 Empowering Calgarians and businesses to use water wisely	Action 6. Pursue Conservation-Oriented Rate Structure Action 7. Expand Access to Water Efficiency Programs Action 8. Introduce Residential Landscape Transformation Education and Incentives Action 9. Promote Indoor Water Use Education and Incentives Action 10. Implement a Water Efficient Business Program Action 11. Support Water Efficient Industrial Commercial, and Institutional Growth	 Institutional, Commercial and Industrial (ICI) Demand Establish target(s) by 2030



Outdoor Watering Schedule

DRAFT OUTDOOR WATERING SCHEDULE

This schedule would apply to all Calgary residences and businesses, enforceable by the Water Utility Bylaw.*

Watering your lawn (any method)



Water up to three days per week based on an even/odd address schedule
 Even: Tuesday, Thursday, Saturday
 Odd: Wednesday, Friday, Sunday



Water between
 7 p.m. – 10 a.m.

Allowed any day, any time



Hand watering landscapes (excluding turfgrass) with a spring-loaded nozzle or watering can



Watering newly planted trees, shrubs, and grass (any method); watering edible food crops (any method)

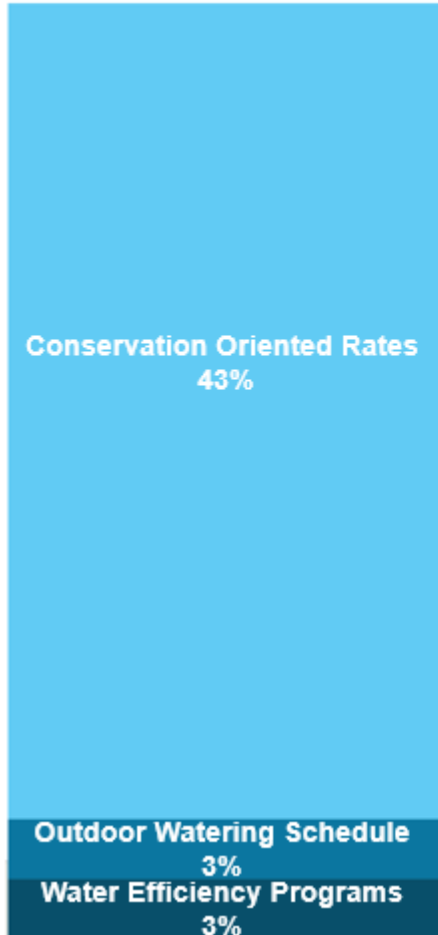
*Certified Water Managed Sites would not need to follow the Outdoor Watering Schedule



Policies and Programs

\$10-20 million*

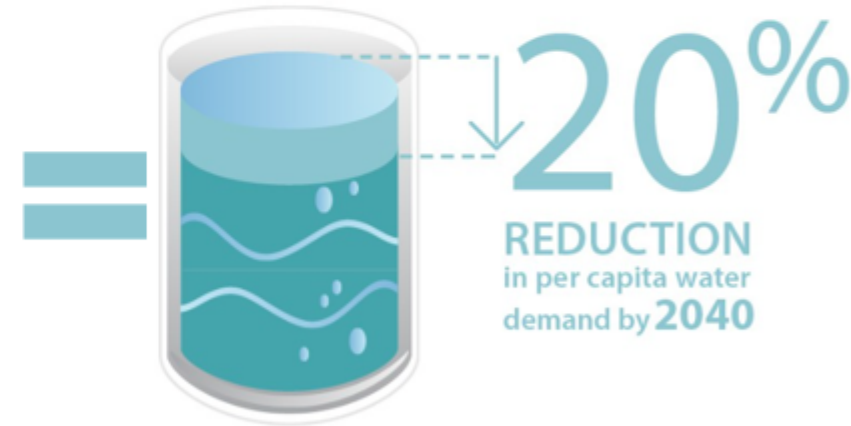
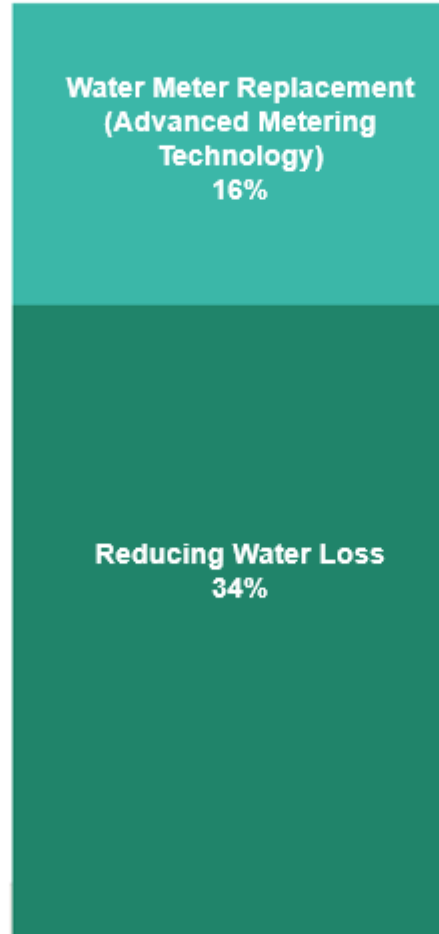
Curbs peak demand, mitigates rate shock, and supports Calgarians.



Infrastructure Investments

\$300-400 million*

Supports infrastructure reliability and enhanced billing data. Water efficiency is a co-benefit.



*2027-2030 budget cycle

Director Authority to Disconnect Service

In the Water Utility Bylaw, water service can be disconnected for the following reasons:

1. Emergencies
 - To prevent or mitigate the impairment or damage to the water, wastewater or stormwater systems, to human health or safety, to property, or to the environment
2. Non-payment
3. Deficiencies in the system requiring repairs or corrections
 - e.g. a leak on private property
4. Cross-connection control deficiencies
 - e.g. to prevent contamination of the drinking water system with wastewater
5. Outdoor Water Use Restrictions (proposed)
 - e.g. egregious non-compliance or to prevent pressure loss in the system