

Calgary



2024 Drought Readiness and Response (Verbal)

C2024-0142

2024 January 30



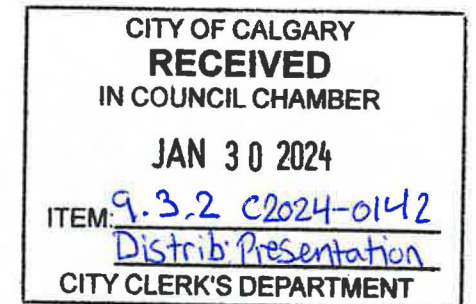
Calgary Drought Conditions

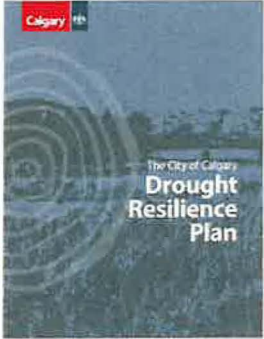


Recommendation

That Council:

1. That Council receive this presentation for the Corporate Record.





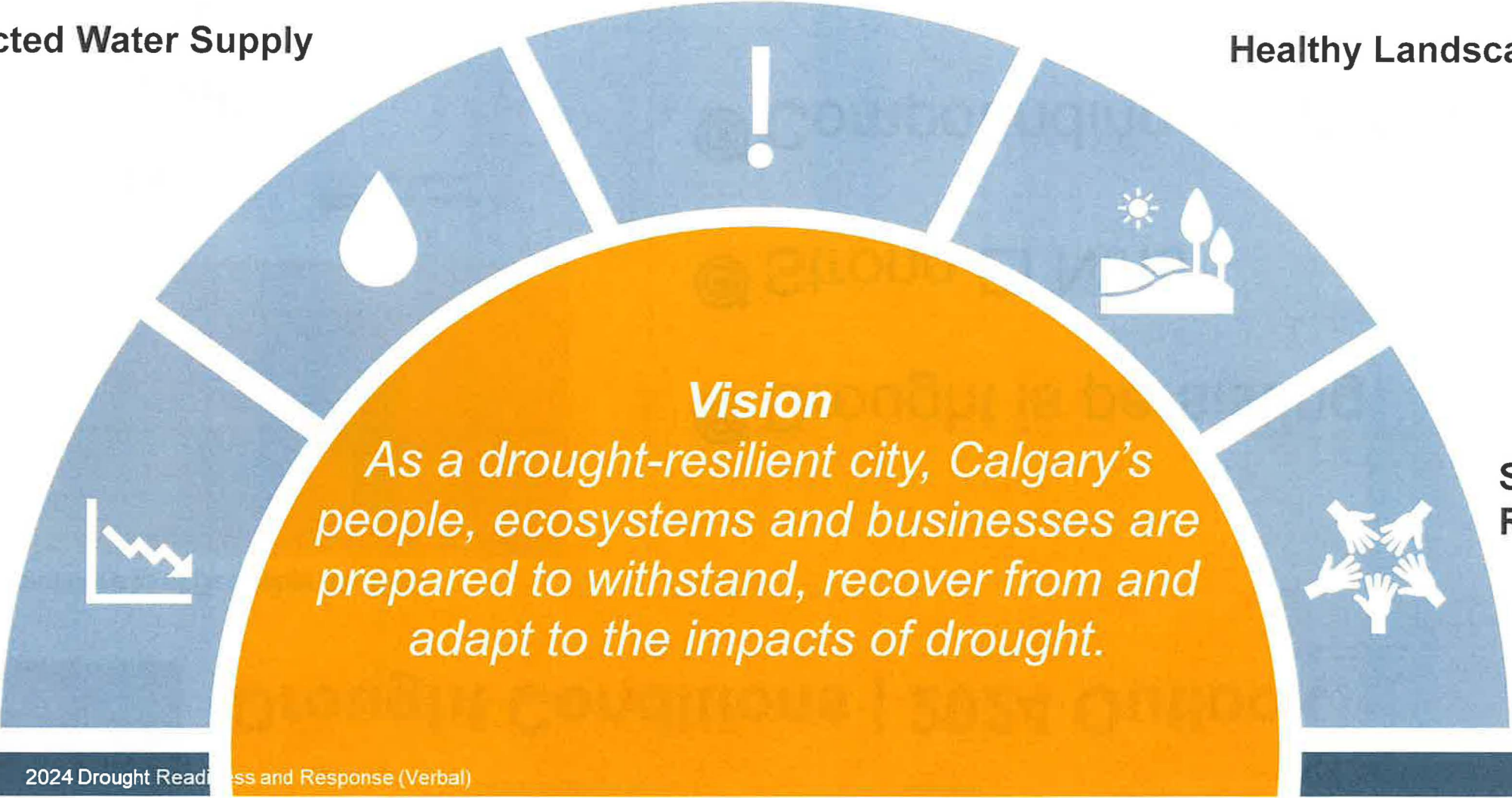
Drought Preparedness

Protected Water Supply

Healthy Landscapes

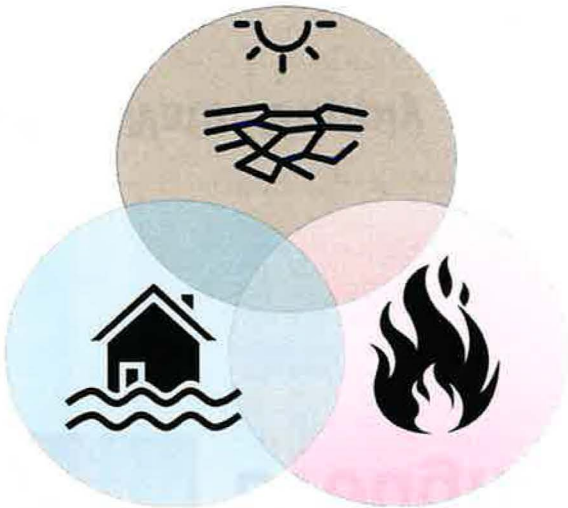
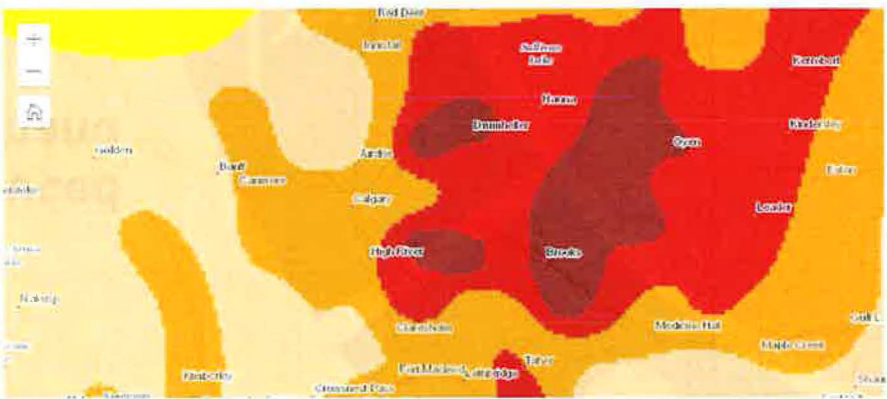
Reduced Demand

Strong Relationships



Drought Conditions | 2024 Outlook

Drought conditions as of December 31, 2023



- 🎯 Drought is persisting
- 🎯 Strong El Nino
- 🎯 Compounding climate hazards



Calgary's Water Supply Status (as of mid-January)

Bow River Watershed



Mountain snowpack
Trending low



Natural Flows
2023 historic low natural flows



TransAlta Reservoir Storage
56% full (average = 63%)

Elbow River Watershed



Mountain snowpack
Trending low



Natural Flows
2023 historic low natural flows



Glenmore Reservoir Storage
75% full (average = 64%)

Provincial Approach

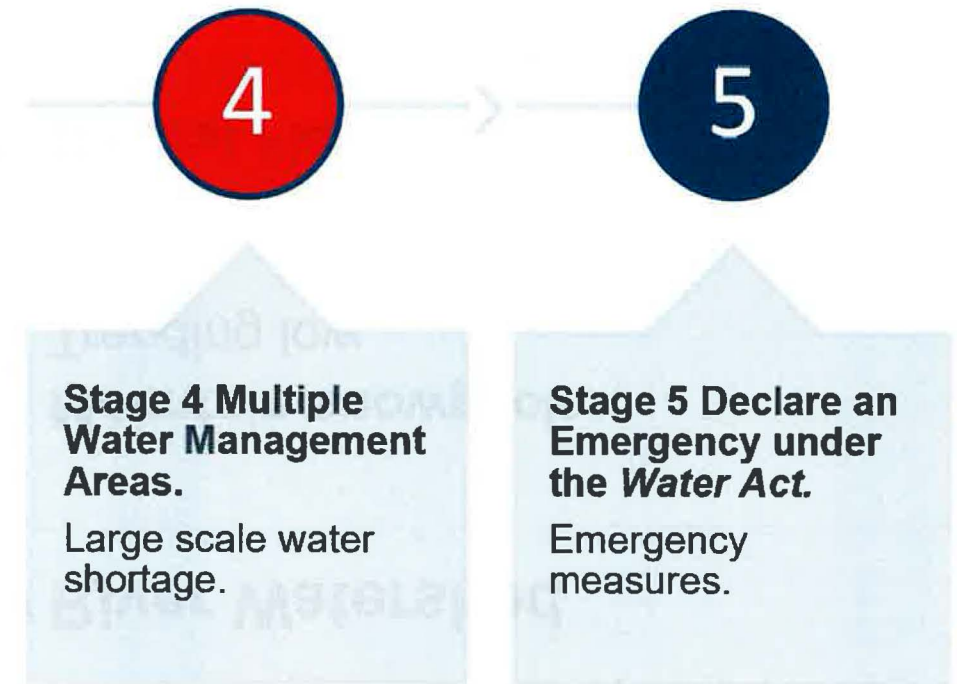
- “Plan for extreme drought, hope for snow and rain” ~ GoA, 2023
- Preparing for Water Sharing Agreements
- Awarded a modelling contract: Jan. 15th

Politics / News / Local News

Environment minister warns municipalities to prepare for drought conditions this year

'We are asking all water users to start planning now to use less water in 2024,' said Alberta Environment Minister Rebecca Schulz in a letter to municipalities

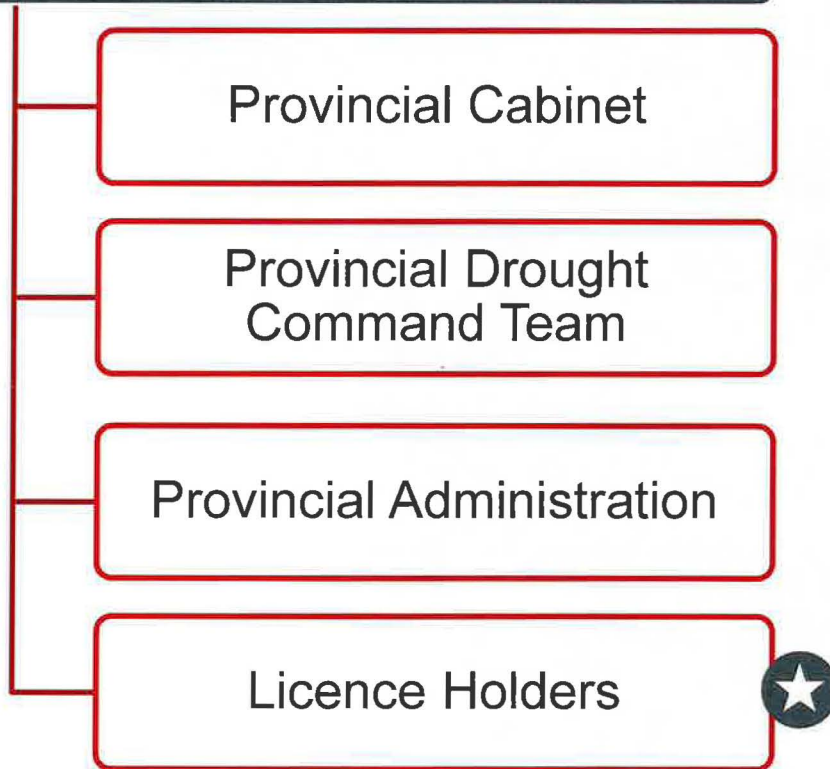
[Drought | Alberta.ca](https://www.alberta.ca/drought)





Provincial Alignment & City Representation

Decision Making Bodies

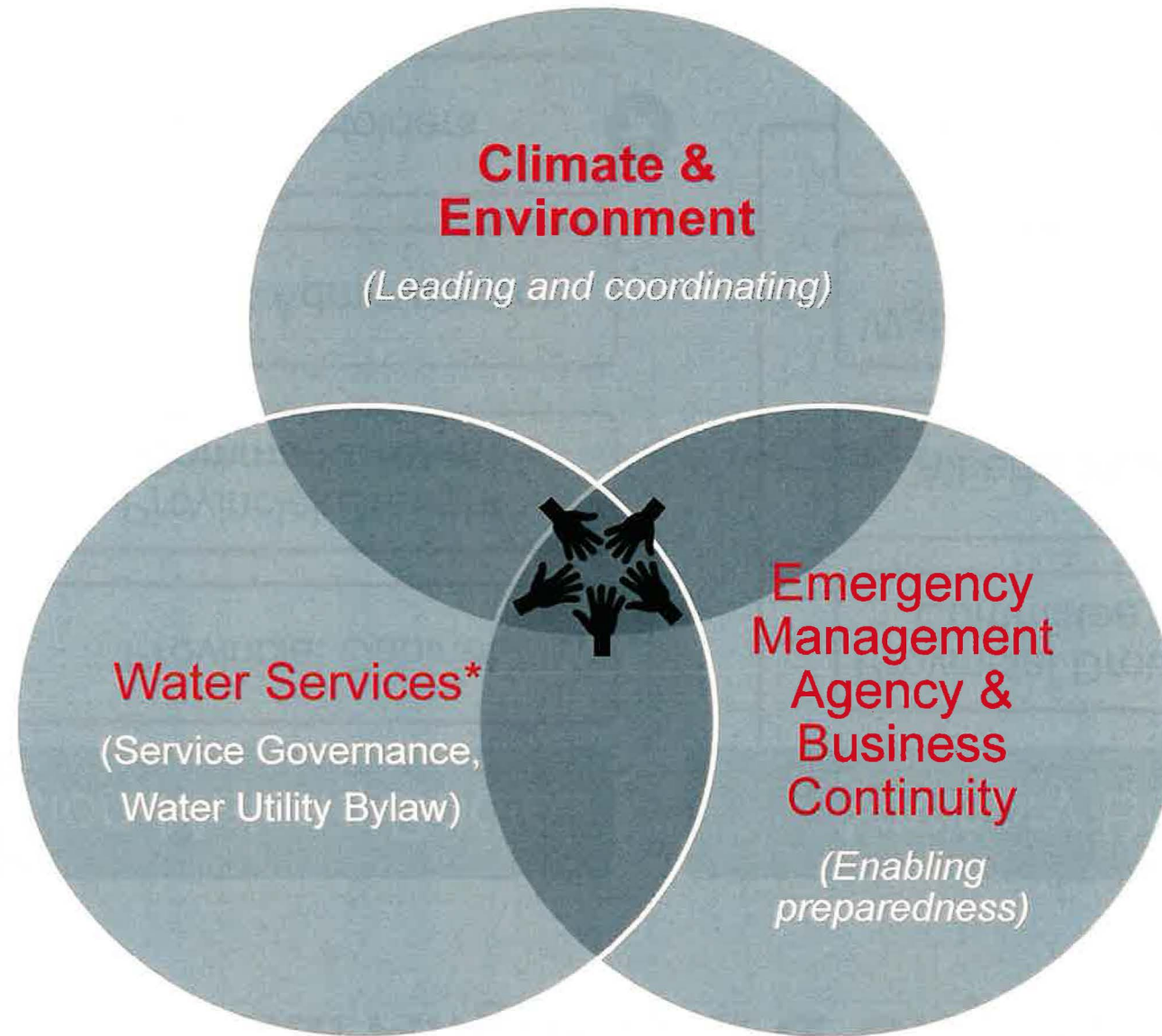


Advisory Bodies



Drought governance for 2024 is evolving.

Working together | One City, One Voice



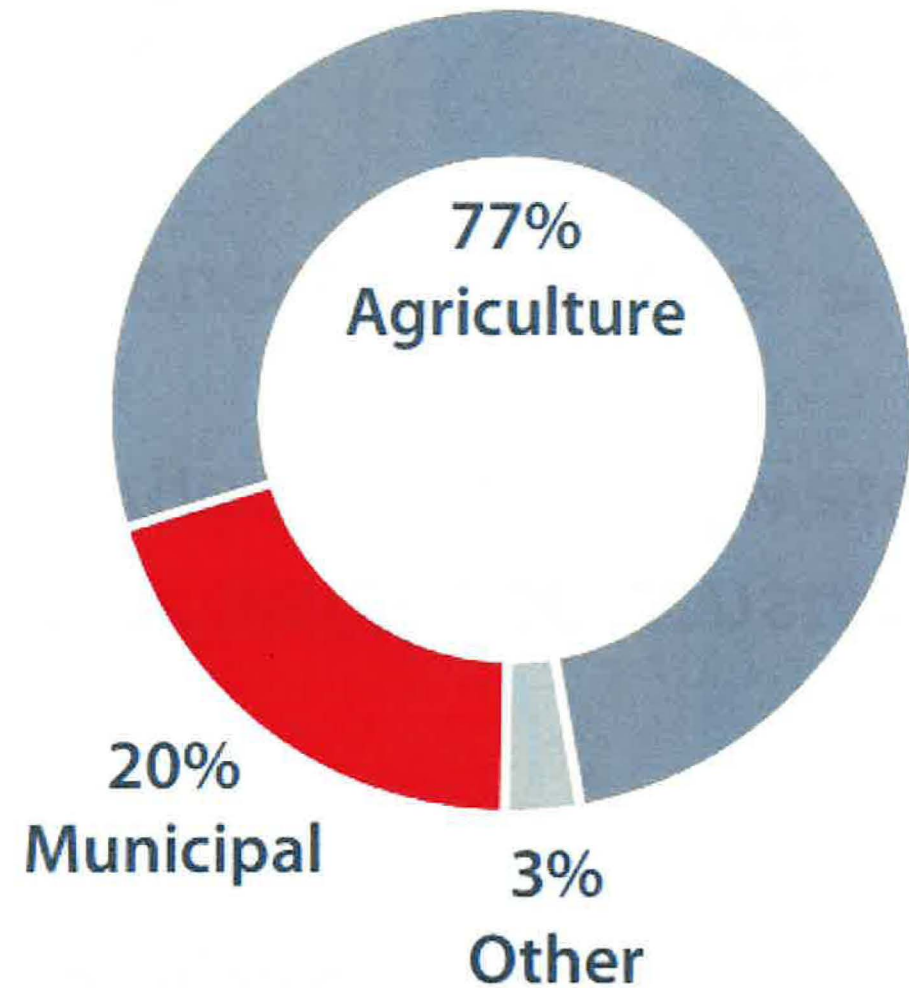
* Water Treatment & Supply | Wastewater Collection & Treatment | Stormwater Service Teams / Lines



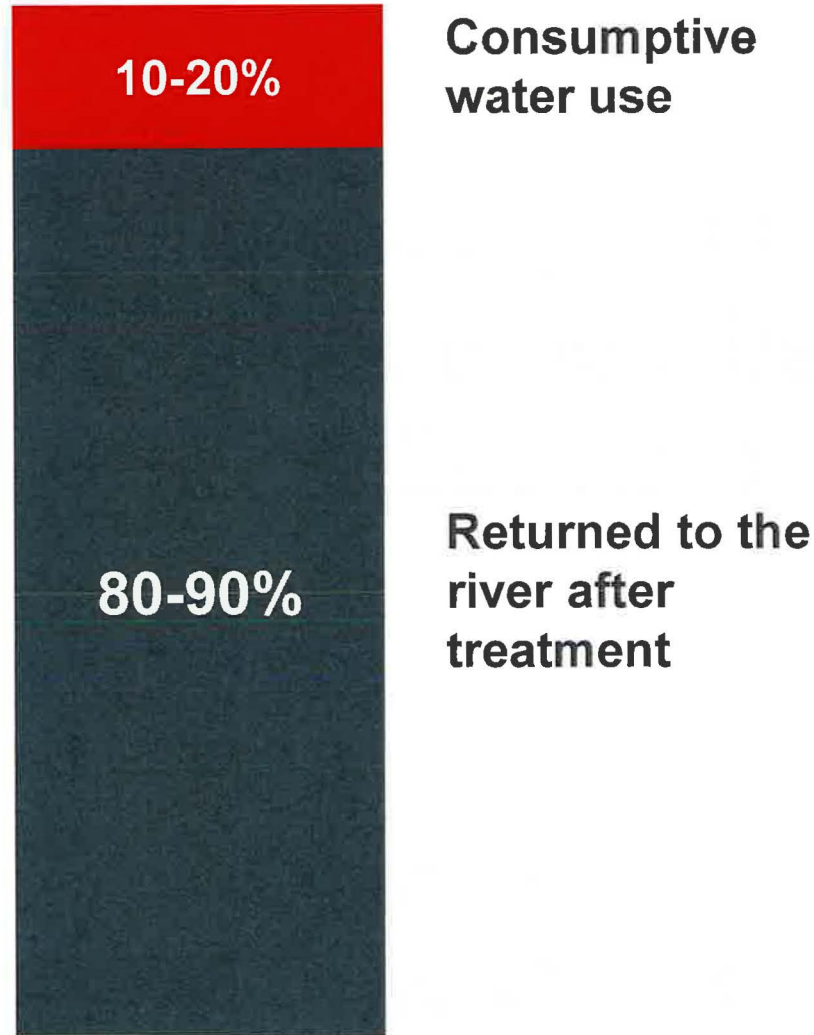
Water License Allocations – Bow River Basin

Approval to divert and use water

Calgary is a major Municipal license holder



Water management in Calgary



Outdoor water use consumes the largest volume of water.

Reduced water use =



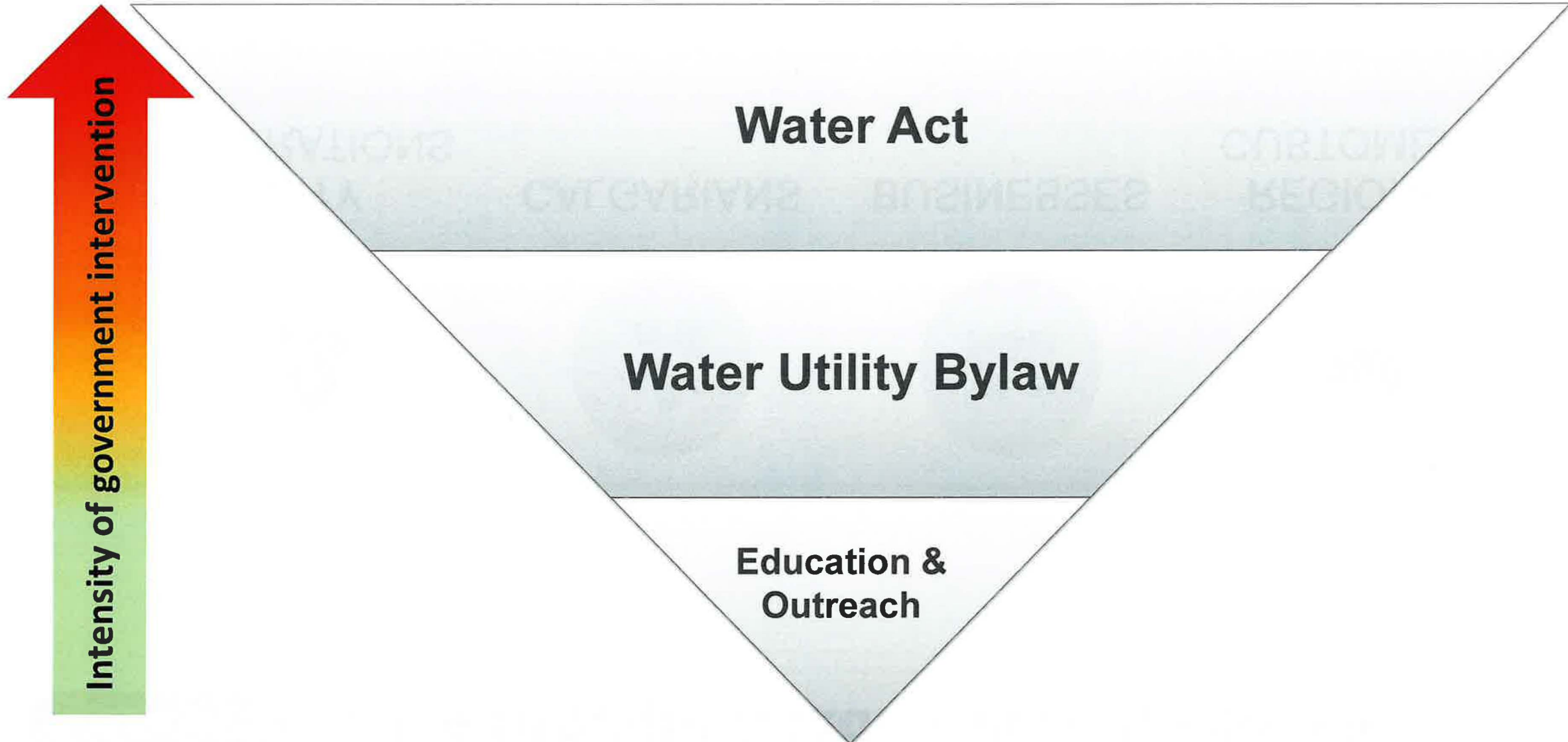
Saves you money



Preserves supply



2024 Drought Management Tools



2024 Drought Readiness & Response



CITY
OPERATIONS



CALGARIANS



BUSINESSES



REGIONAL
CUSTOMERS

Every Drop Counts | Use water wisely



FIX LEAKS



FULL LOADS



SHORTER
SHOWERS



REDUCE
OUTDOOR USE

Tips available at: [Calgary.ca/waterguide](https://calgary.ca/waterguide)



Regular Updates

Apprised of conditions and **when** there is need to enact the Water Utility Bylaw



Return to Council

Water Utility Bylaw housekeeping (Q2) and **when** intensifying conditions exceed the capability of the Water Utility Bylaw



Recommendation

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Calgary Drought Conditions