

JUN 19 2019

ITEM: 7.2 UCS2019-0805
DISTRIBUTION
CITY CLERK'S DEPARTMENT

Calgary



Summary of Council discussions during the interactive exercises at the 2019 May 13 Strategic Meeting on Integrated Watershed Management

UCS 2019-0805
ISC: Unrestricted

Standing Policy Committee on Utilities and Corporate Services
19 June 2019

19 June 2019

UCS2019-0805

1

Calgary



Purpose

Purpose: provide an overview of the consolidation of the exercise discussions at the 2019 May 13 Strategic Meeting on Integrated Watershed Management, and consider the Administrative recommendation:

That the SPC on Utilities and Corporate Services recommend that Council:

1. Validate the content in Attachment 1 of this report and direct that Attachment 1 remain confidential pursuant to sections 21, 24 and 25 of the *Freedom of Information and Protection of Privacy Act* until Council rises and reports.

19 June 2019

UCS2019-0805

2

Calgary



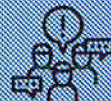
Summary

Interactive exercise discussions on Integrated Watershed Management

Councillors participated in 2 interactive exercises intended to build foundational knowledge of:



1. Water security and a sustainable water supply
2. Integrating stormwater and city-building.



Councillors shared what is important to them on these topics.

Conceptual conversations



Not meant to inform decision-making or to provide specific direction.

19 June 2019

UCS2019-0805

3

Calgary



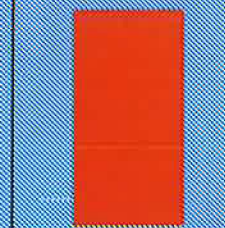
Interactive exercise #1 Water supply and security

A scenario was presented to focus the discussion on water supply and security.

The year is 2034:

- Calgary supplies water to 1.7 million people.
- River flows were very low in the last two years.
- Many late summer days with 10% less water supply than needed.

10% water
shortage per day





What concepts do you prioritize now to mitigate or manage this shortage?





19 June 2019




UCS2019-0805

4

Water Supply and Security




Source water protection
→

Drinking water treatment
→

Drinking water distribution system
→

Customer

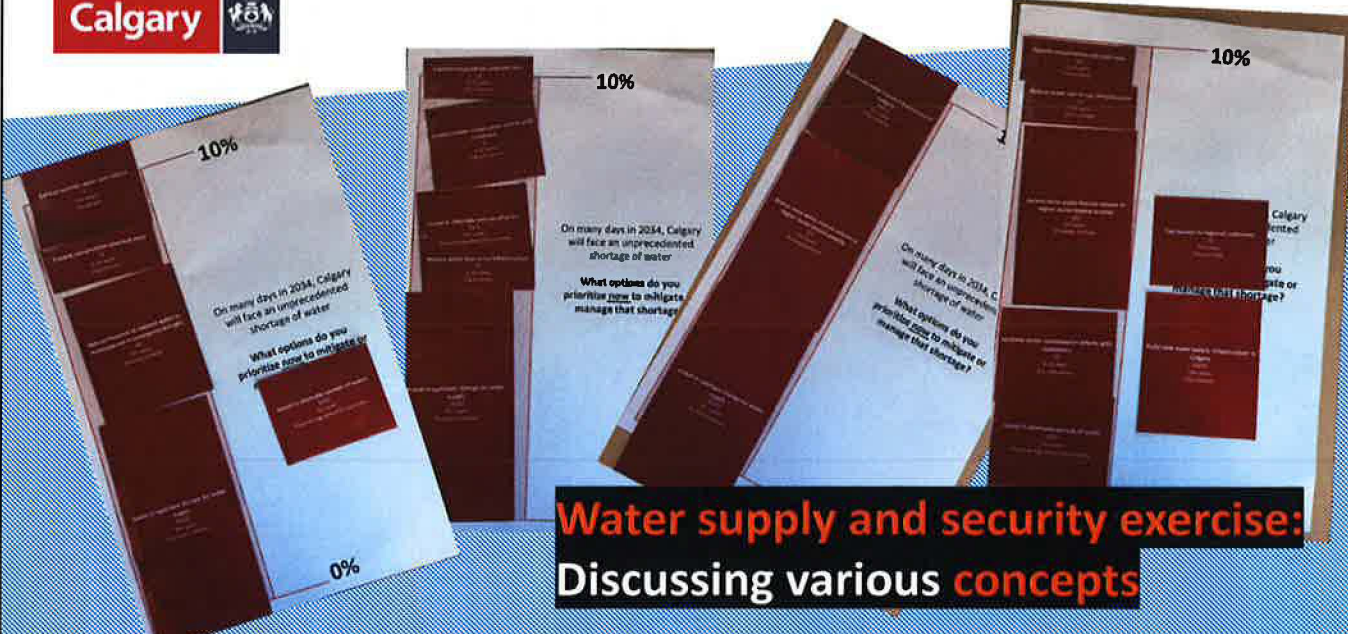




Top 5 themes heard during the conversation:

1. Invest significantly in infrastructure, with a priority on **upstream storage** to manage future supply.
2. Pursue additional water conservation and education options for citizens.
3. Recognize the importance of urban planning principles in water conservation.
4. Be proactive in policy and practices The City and citizens have control over.
5. **Collaborate** with stakeholders towards policy solutions around water supply and licencing.

19 June 2019
UCS2019-0805
5



Water supply and security exercise:

Discussing various concepts

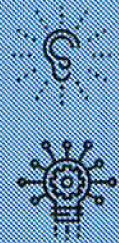
19 June 2019
UCS2019-0805
6



Interactive exercise #2

Stormwater and city-building

Two scenarios were presented to discuss designing communities with stormwater as a primary consideration.



Old Town

- High density, mixed land uses, less green space and no wetland or stormponds.
- Stormwater volume and quality challenges.

New Town

- Needs to achieve MDP goals of watershed protection and urban density.
- Must meet service commitment to collect and manage stormwater to protect citizens, property and the environment.

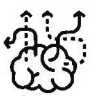
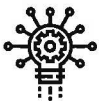


Stormwater and city-building



Top 5 themes heard during the conversation:

1. Create space for stormwater solutions as natural community amenities
2. Develop a strong foundation of urban planning policy that integrates stormwater management.
3. Take the opportunity to build differently to meet density goals and reach stormwater management goals.
4. Couple stormwater quality improvements with infrastructure investments.
5. Collaborate with stakeholders towards policy solutions around water supply and licencing.



Calgary



Stormwater and city-building exercise: Designing Old Town and New Town

19 June 2019

UCS2019-0805

9

Calgary



Next steps

Administration's strategies under development

Water Security Strategy

- Scope a Water Security Strategy and Plan.
- Report progress to Council by Q4 2019.

Stormwater Strategy Update

- Continue robust stakeholder engagement to help shape the strategy.
- Deliver the process in 3 phases: Strategic Direction, Action Plan, and Implementation.

19 June 2019

UCS2019-0805

10



ADMINISTRATION RECOMMENDATION:

- 1) That the SPC on Utilities and Corporate Services recommend that Council validate the content in Attachment 1 of this report and direct that Attachment 1 remain confidential pursuant to sections 21, 24 and 25 of the *Freedom of Information and Protection of Privacy Act* until Council rises and reports.