

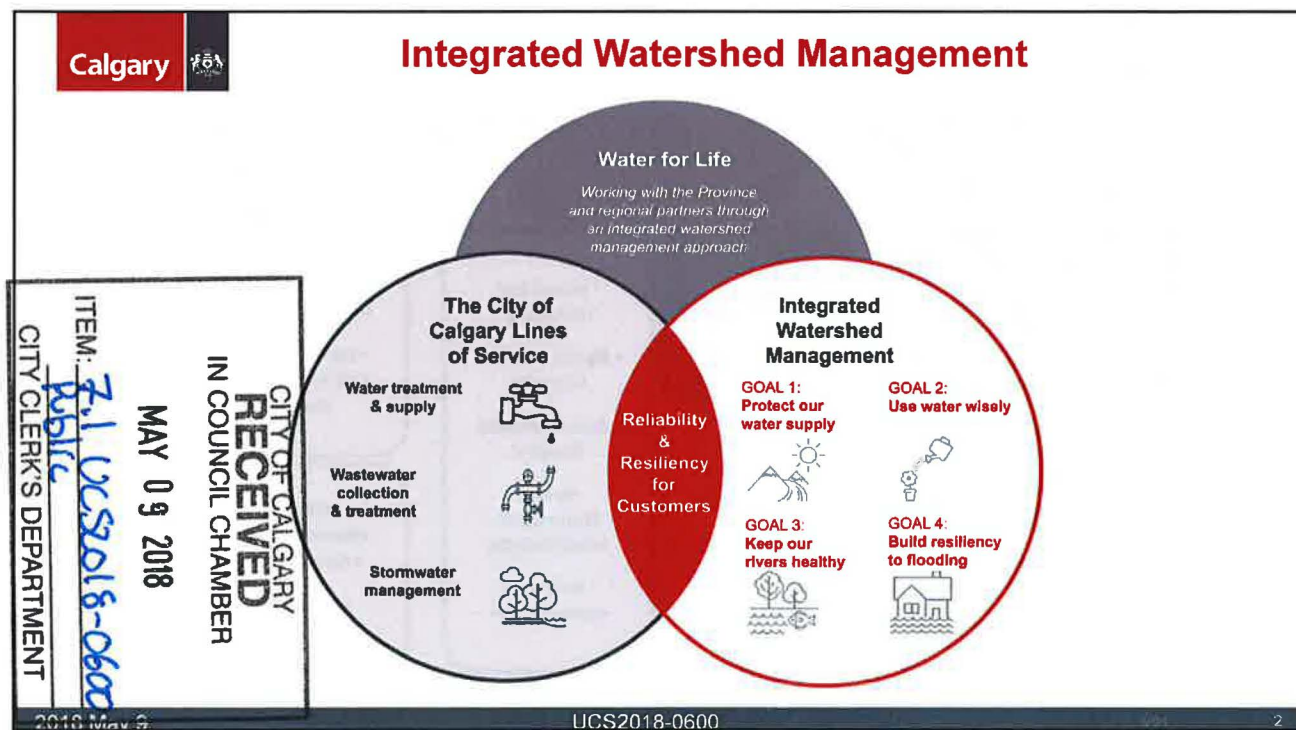
Calgary

Update on Bow River Flood Mitigation

UCS2018-0600

Presentation to SPC on UCS
May 9, 2018

2018 May 9 UCS2018-0600



Calgary

Integrated Watershed Management

Water for Life
Working with the Province and regional partners through an integrated watershed management approach

The City of Calgary Lines of Service

- Water treatment & supply
- Wastewater collection & treatment
- Stormwater management

Integrated Watershed Management

Reliability & Resiliency for Customers

GOAL 1: Protect our water supply

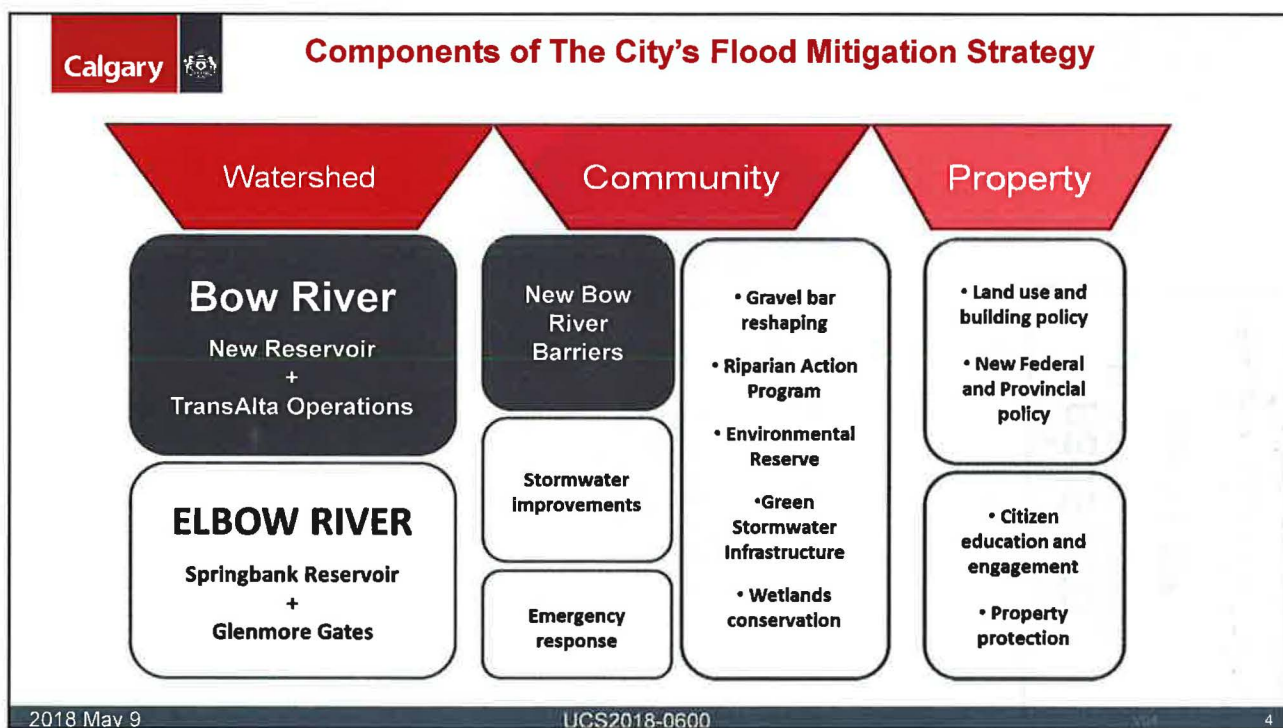
GOAL 2: Use water wisely

GOAL 3: Keep our rivers healthy

GOAL 4: Build resiliency to flooding

ITEM: 7.1 UCS2018-0600
MAY 09 2018
CITY OF CALGARY
RECEIVED
IN COUNCIL CHAMBER
CITY CLERK'S DEPARTMENT

2018 May 9 UCS2018-0600



Bow River Flood Mitigation Components



2018 May 9

UCS2018-0600

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Bow River Flood Mitigation Barriers

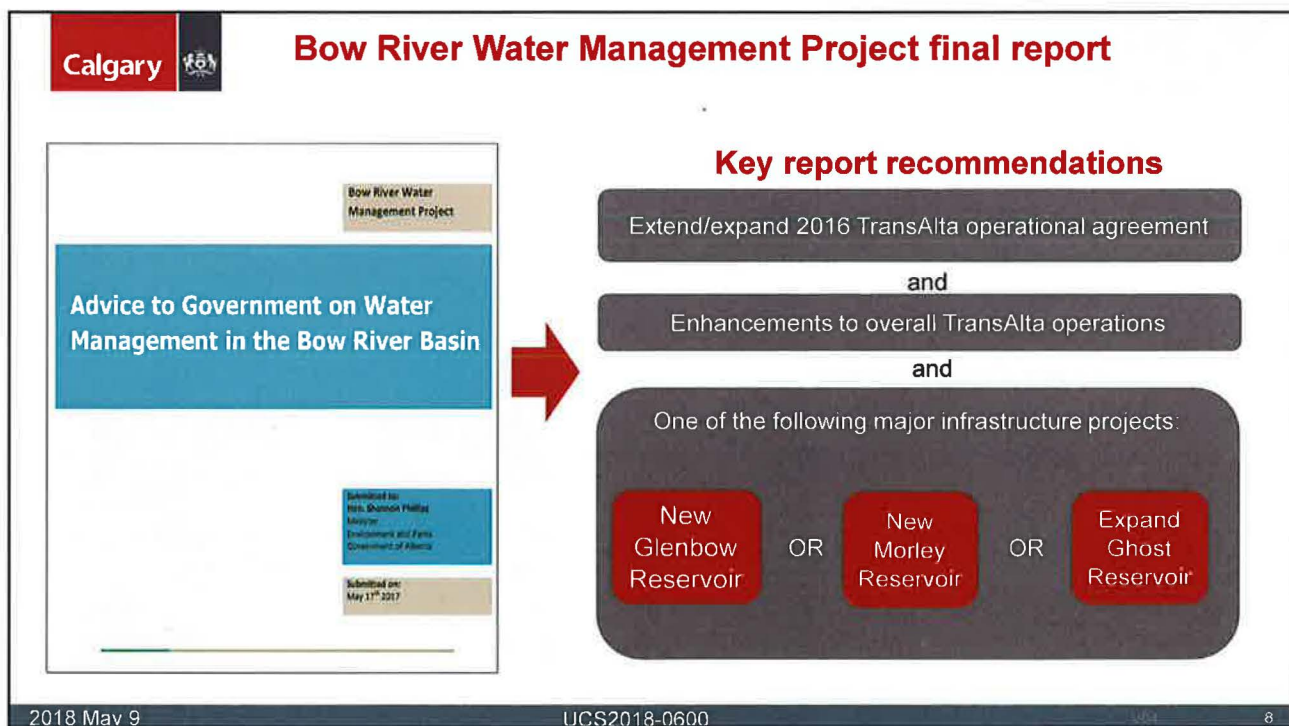
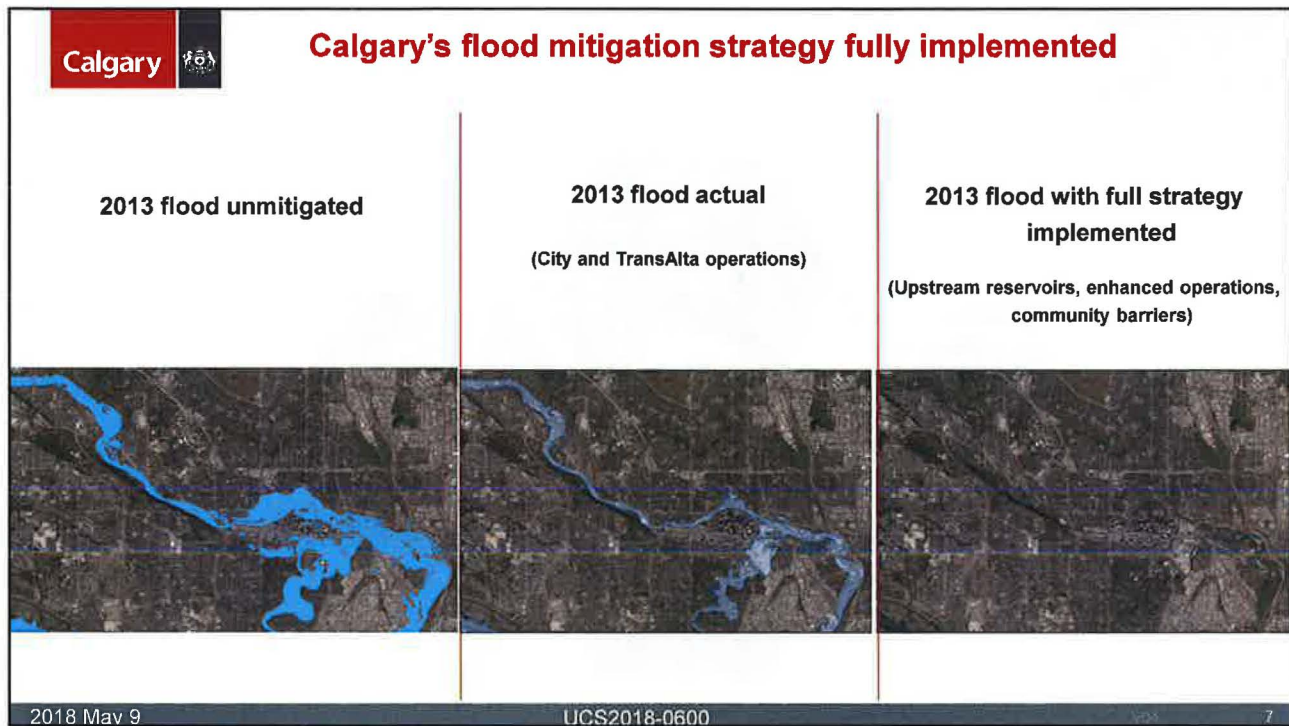
- Located in four communities:
 - Downtown
 - Sunnyside
 - Bowness
 - Pearce Estate-Inglewood
- Complementary to upstream mitigation



2018 May 9

UCS2018-0600

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Status of BRWG key recommendations



Study major infrastructure options

Province committed to conceptual assessment of 3 most promising options. Work underway.



Study minor infrastructure project

Province committed to study the increase in drawdown rate for the Ghost Reservoir with TransAlta.



Extend and expand TransAlta Operational Agreement

Discussions between Province and TransAlta underway.

A renewed Bow Working Group process is needed to move from conceptual studies to implementation



Areas of opportunity

Bow River Working Group (BRWG)

- Urgency is needed to move beyond conceptual work.
- Reconvene BRWG and develop a renewed governance framework.

Community barriers

- Community barriers alone cannot protect Calgary.
- The City's remaining projects should be funded as submitted to the Province.

Policy and regulations

- Timely floodplain regulations must recognize structural and operational flood mitigation efforts.

- Several interrelated watershed management issues for Calgary:
 - Flood mitigation
 - Water security
 - Water licensing
- Holistic solutions needed:
 - Bring provincial Ministries together
 - Develop a bi-lateral Task Force



ADMINISTRATION RECOMMENDATION

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

Send a letter to the Province requesting:

- a) The Province reconvene the Bow River Working Group with a renewed governance framework as soon as possible;
- b) All projects in The City's 2017 Alberta Community Resilience Program application be approved and funded as submitted; and
- c) The Province work with Administration to develop a proposed scope of work for a bi-lateral Task Force to address The City's flood mitigation, policy, and watershed management issues.