

Calgary



2016 Watershed Planning Update

UCS2017-0267

Presentation to SPC on UCS
March 22, 2017

CITY OF CALGARY
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IN COUNCIL CHAMBER

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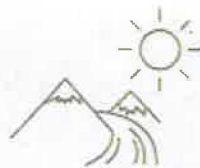
ITEM: UCS2017-0267
Distribution
CITY CLERK'S DEPARTMENT

WATERSHED PLANNING DIVISION – STRATEGIC FRAMEWORK

GOAL 1:

Protect our water supply

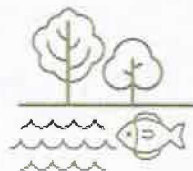
- Integrated Water Supply Management Strategy
- Source Water Protection Plan
- Drought Management Plan
- Strategic regional servicing and partnerships
- Modelling and monitoring
- Climate action planning
- Raw water management
- Water reuse planning



GOAL 3:

Keep our rivers healthy

- Stormwater Management Strategy
- Total loading management
- Stormwater targets
- Citizen education and outreach
- Green stormwater infrastructure
- Riparian Action Program
- Wetlands conservation
- Wastewater quality
- Fish habitat restoration



GOAL 2:

Use water wisely

- Water Efficiency Program
- Citizen water conservation education and outreach
- Industrial, commercial, institutional water conservation outreach
- Infrastructure renewal



GOAL 4:

Build resiliency to flooding

- Flood Mitigation and Resilience Program
- Flood recovery
- River engineering
- Forecasting and monitoring
- Citizen education and engagement
- Community Drainage Improvement Program



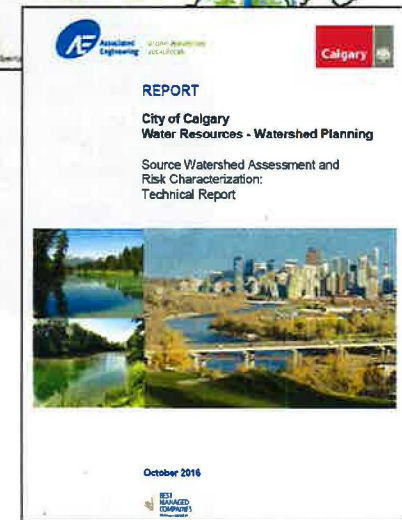
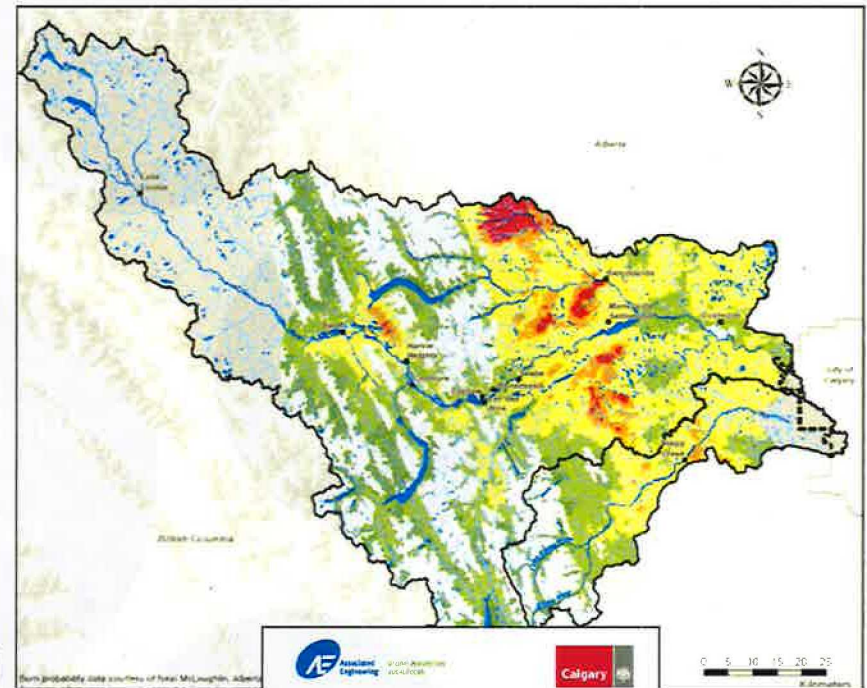


Goal # 1: Protect our water supply



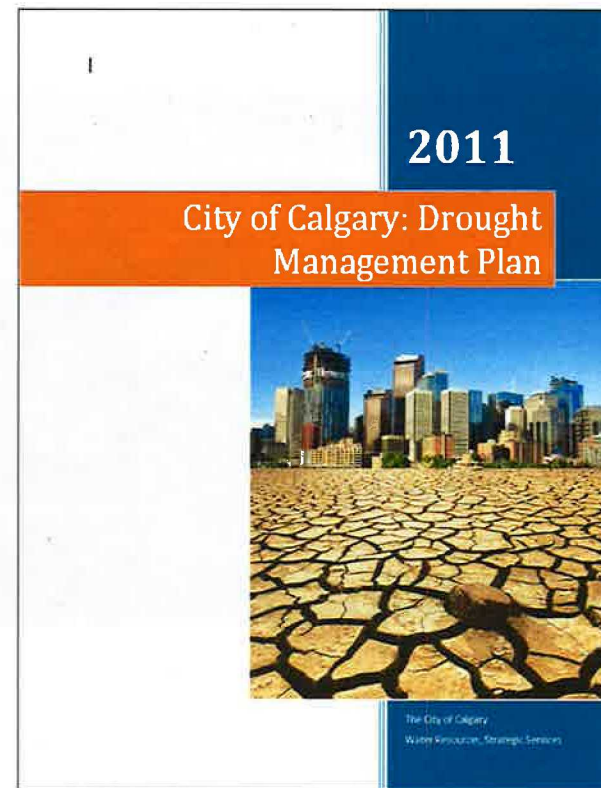
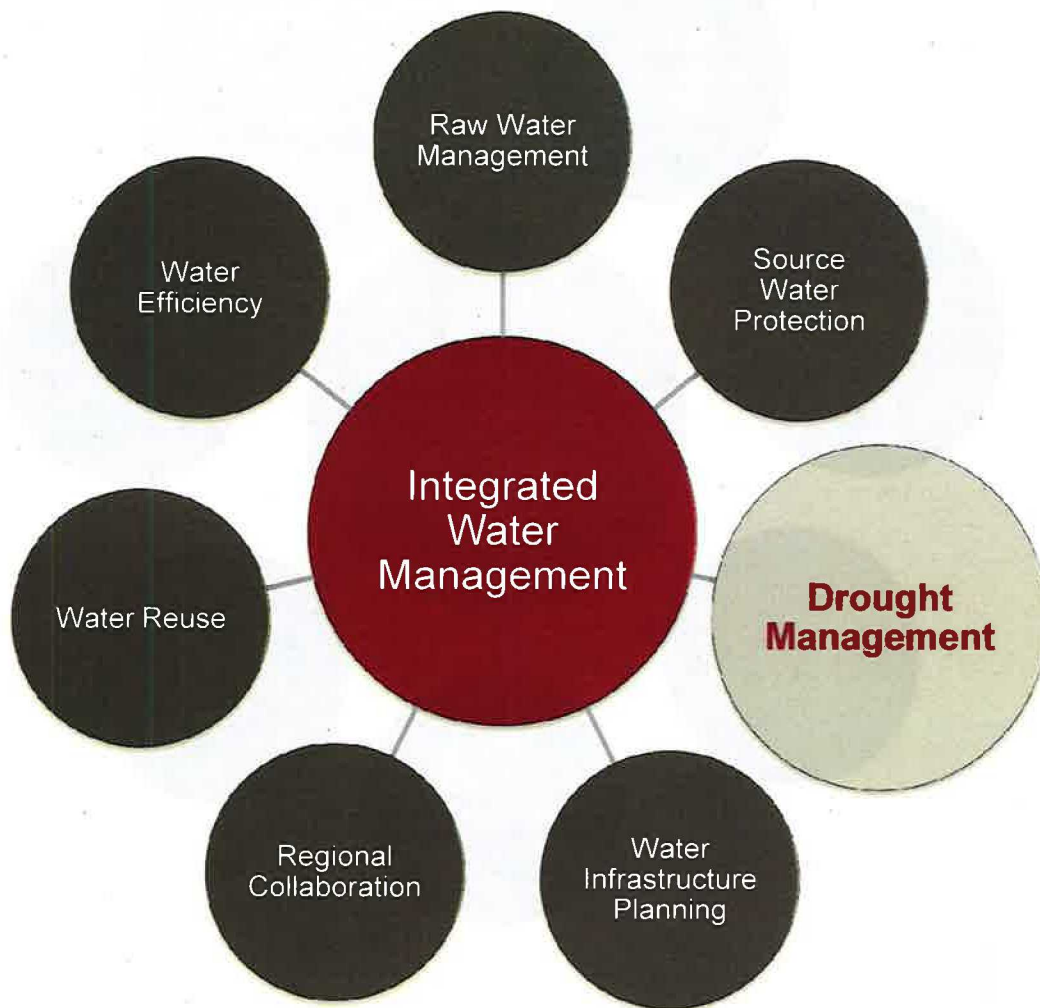


Goal # 1: Protect our water supply



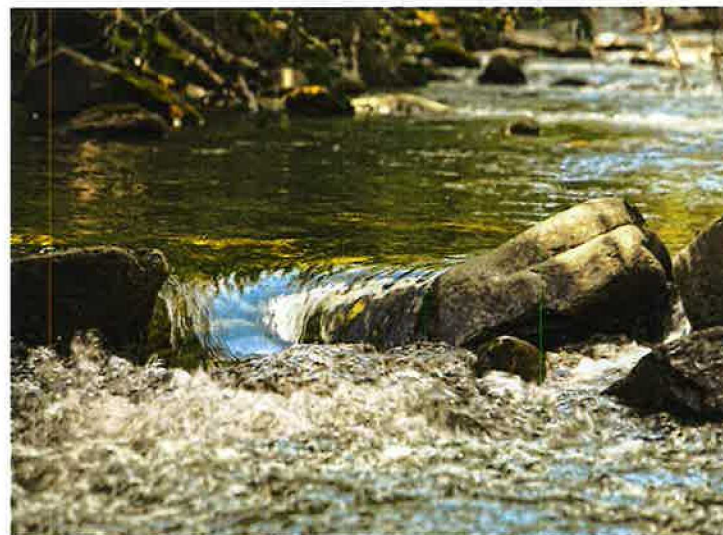


Goal # 1: Protect our water supply



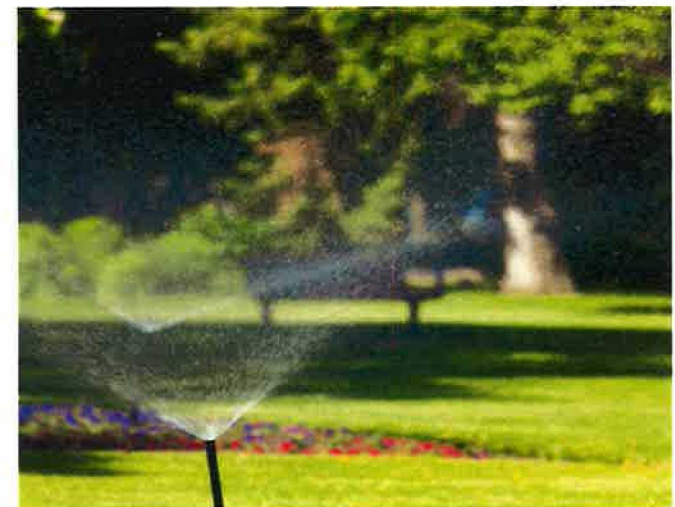
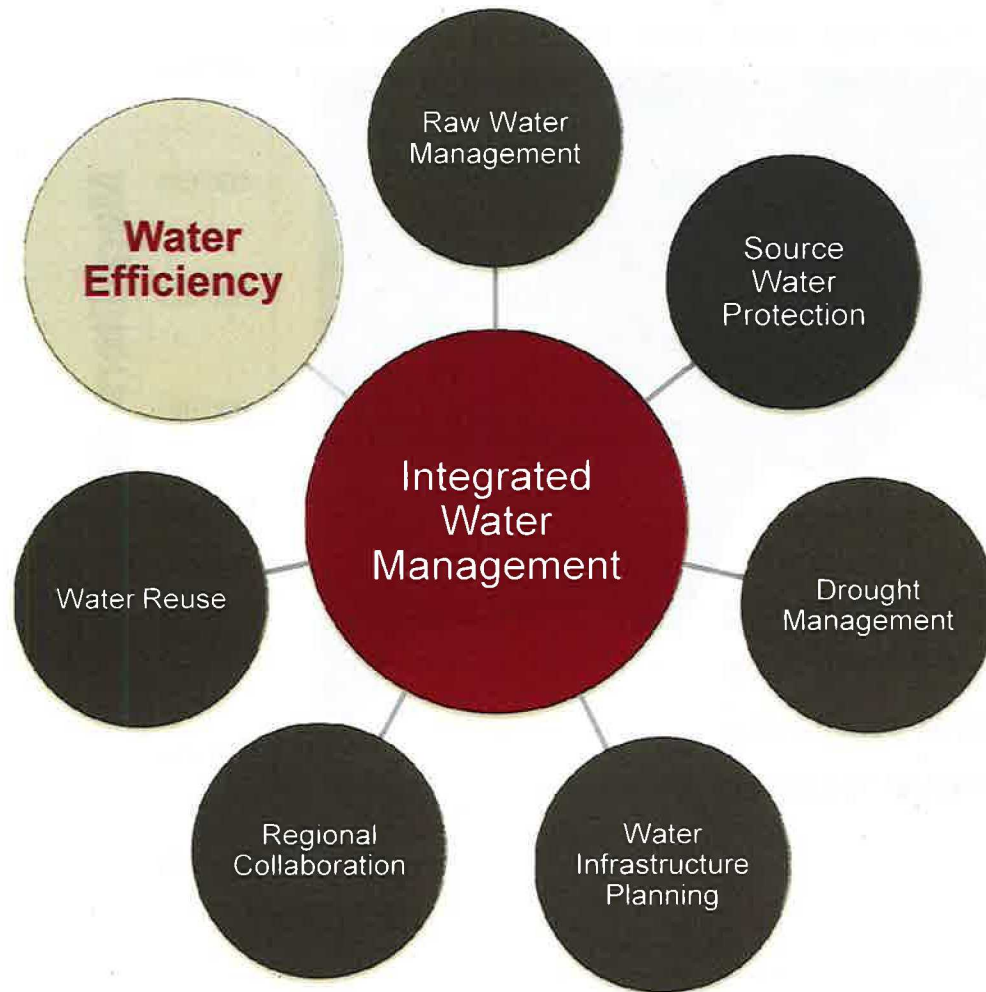


Goal # 1: Protect our water supply

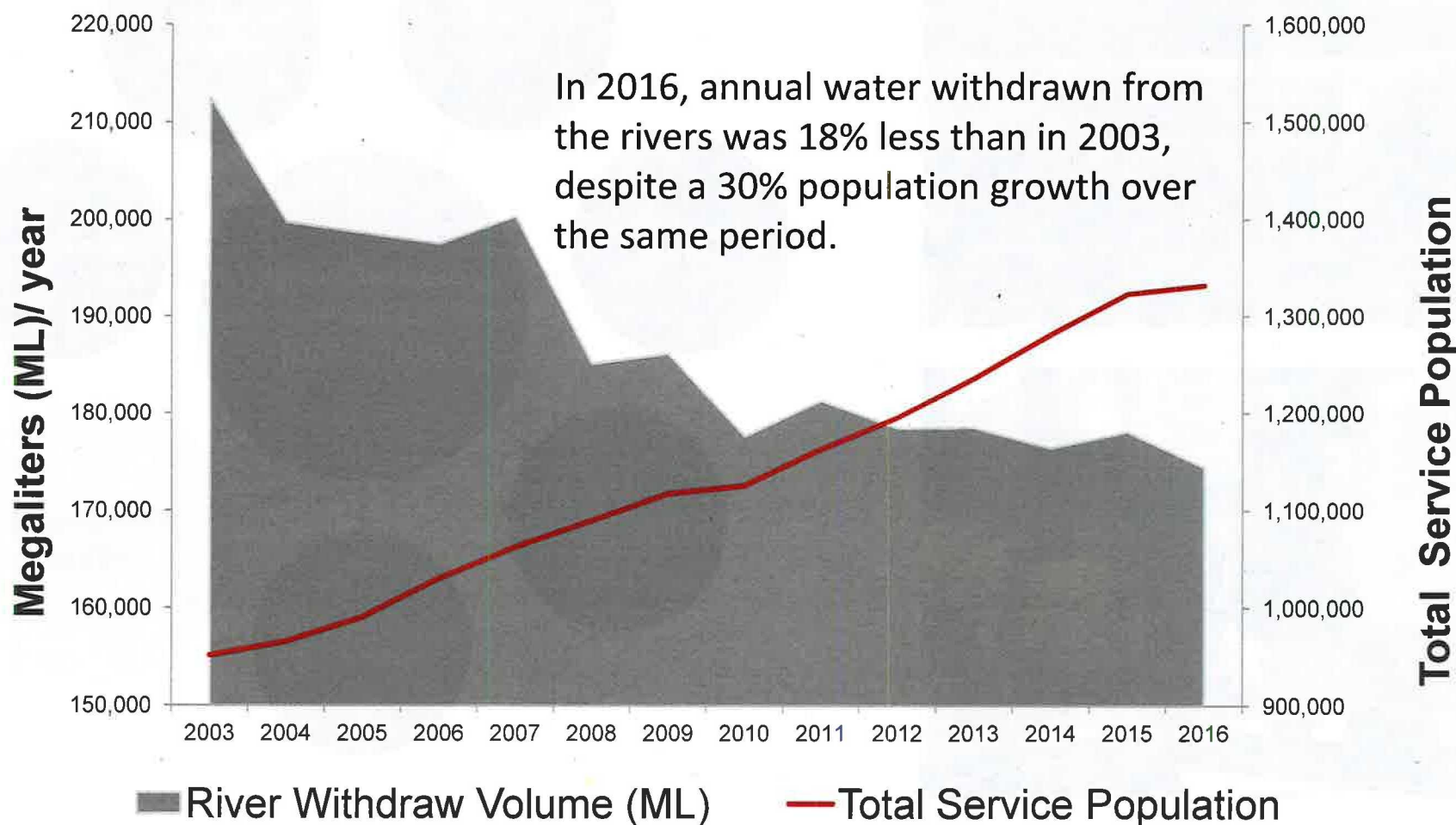




Goal # 2: Use water wisely

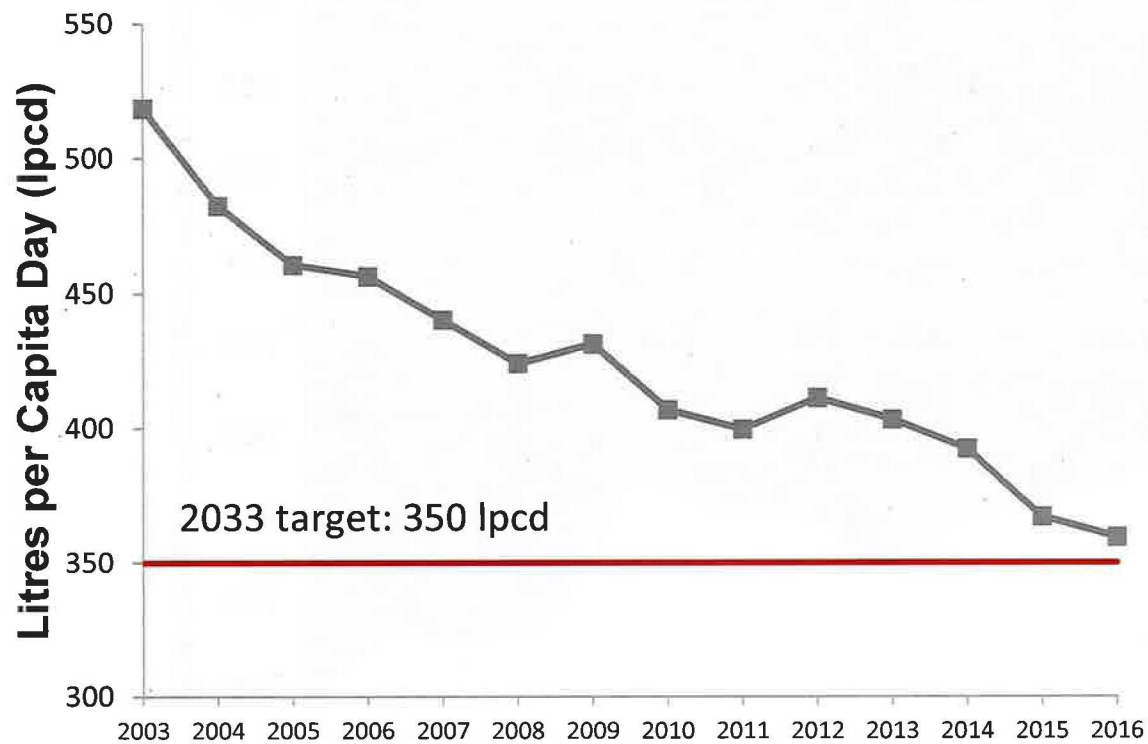


Goal # 2: Use water wisely





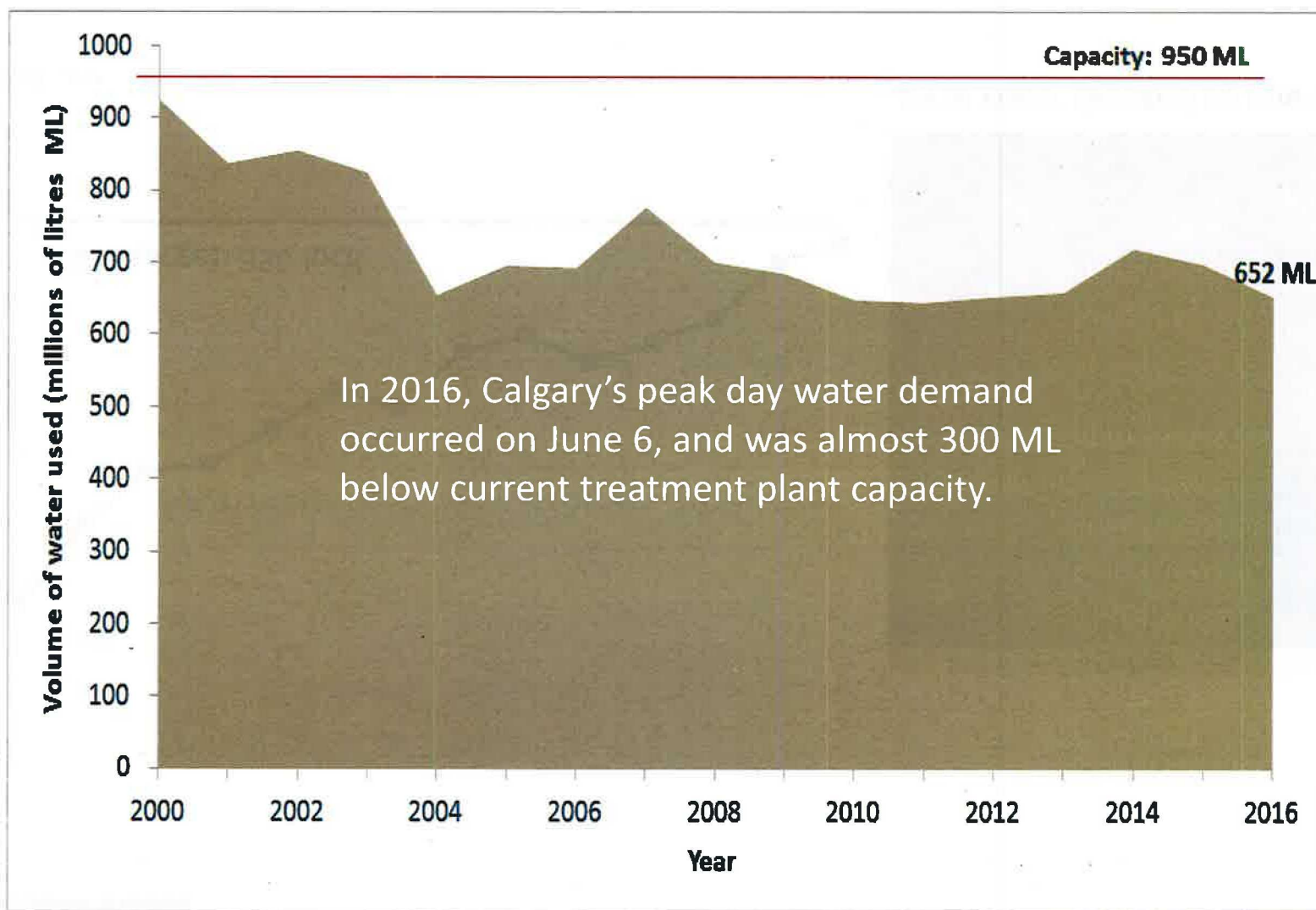
Goal # 2: Use water wisely



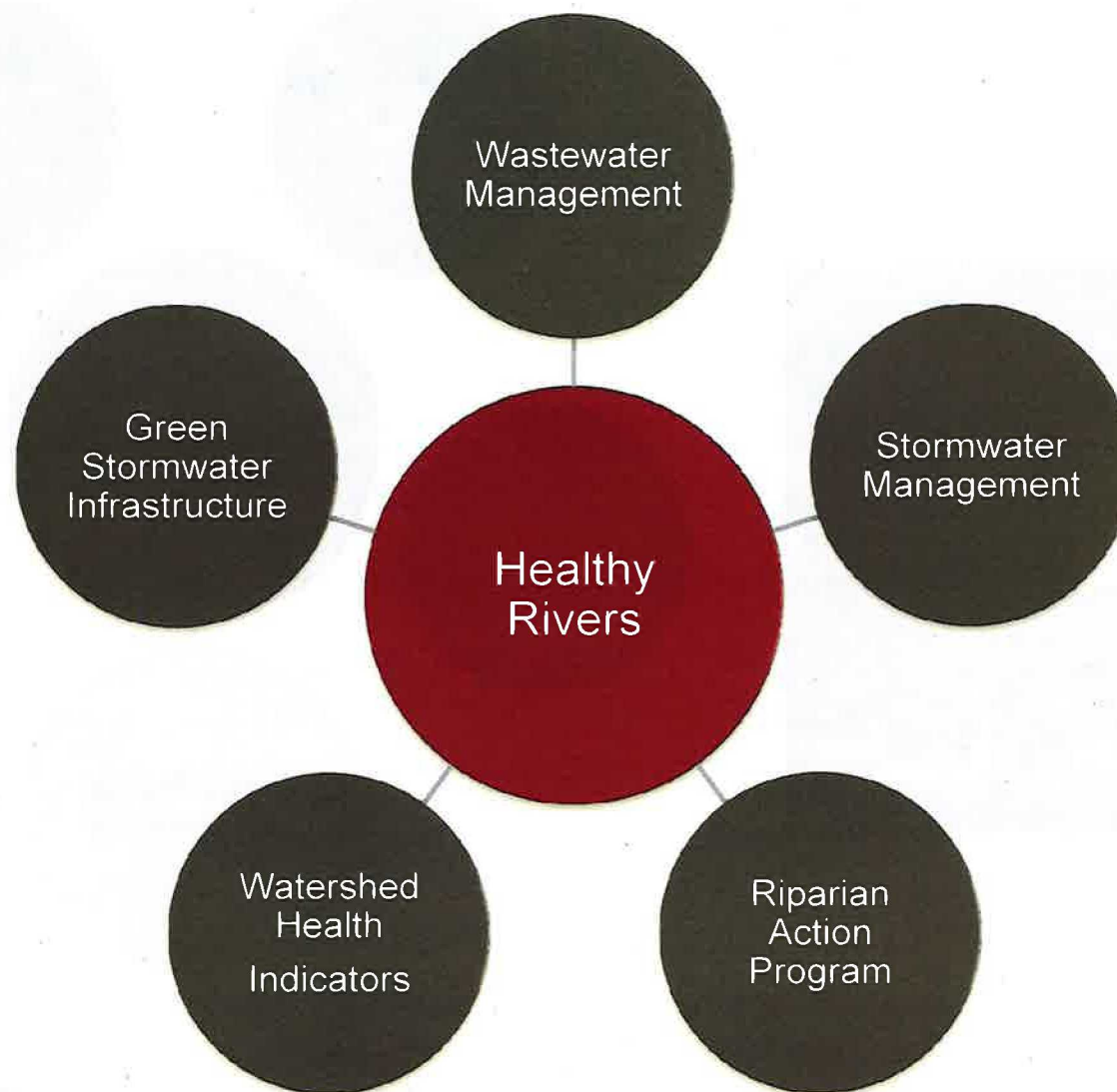
2016 water demand by customer type



Goal # 2: Use water wisely



Goal # 3: Keep our rivers healthy



Goal # 3: Keep our rivers healthy

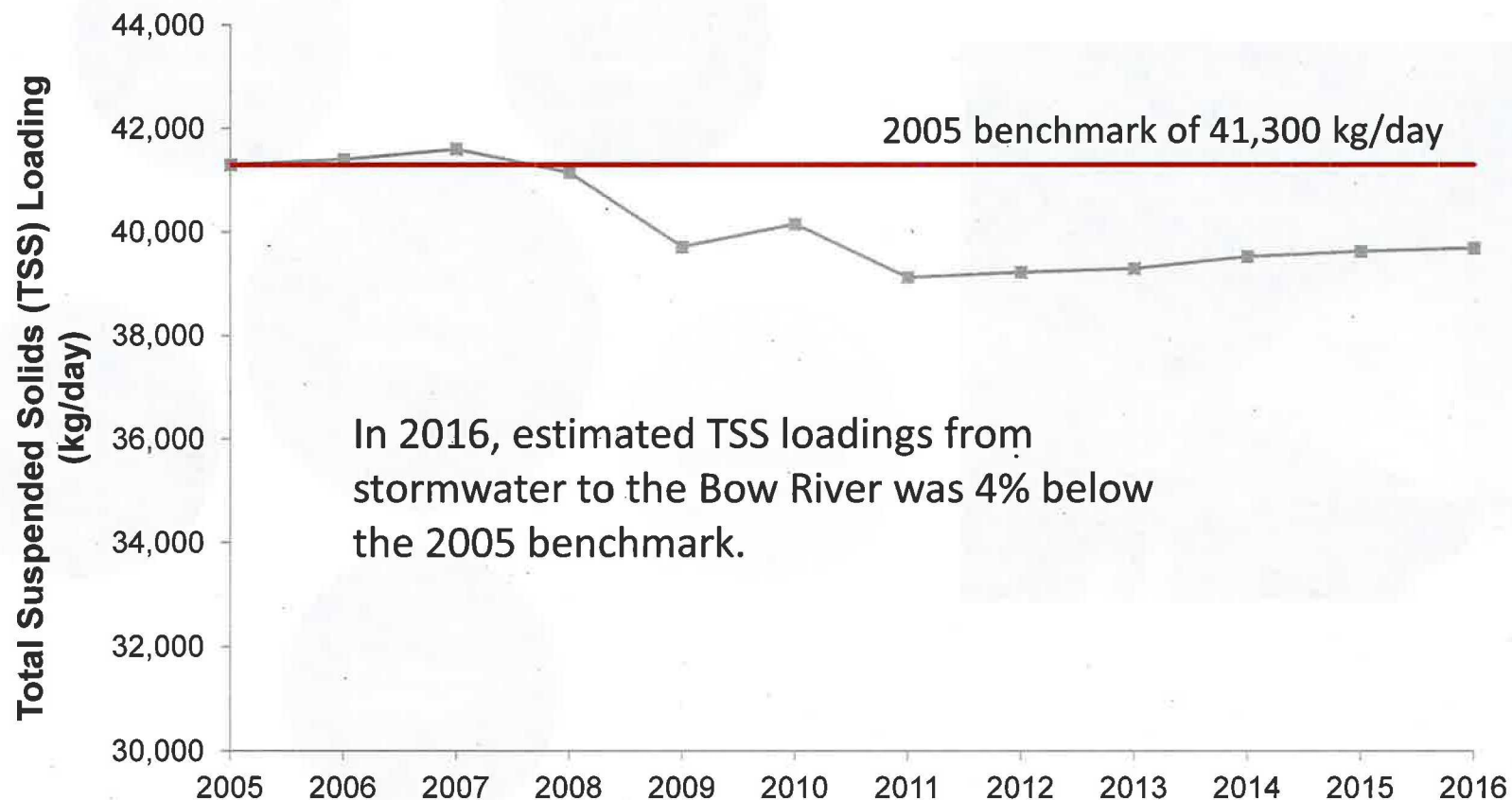


Goal # 3: Keep our rivers healthy





Total Suspended Solids (TSS) - Stormwater



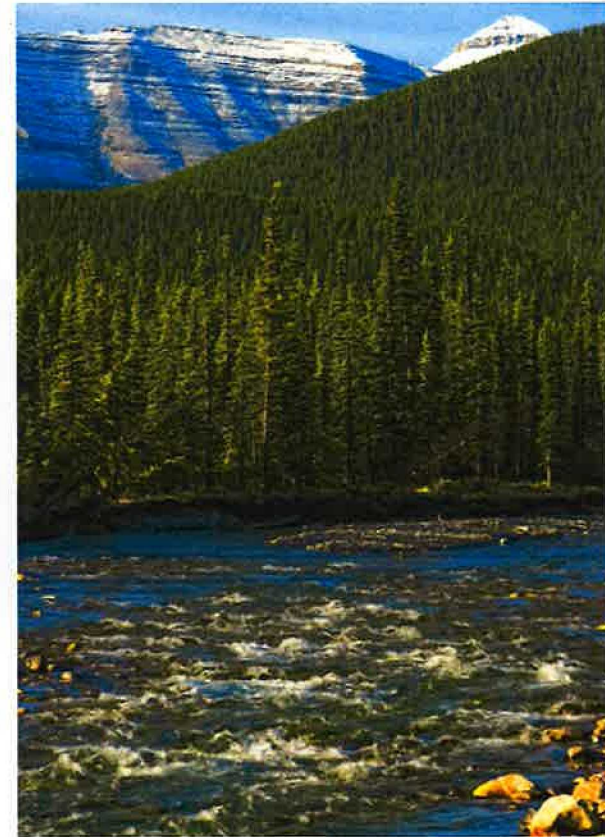
Goal # 3: Keep our rivers healthy



Goal # 3: Keep our rivers healthy



Goal # 3: Keep our rivers healthy



Goal # 4: Build resiliency to flooding



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graph LR; A((River Flood Mitigation & Resiliency)) --- B((Flood Resiliency)); B --- C((Community Drainage Improvements));
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River Flood
Mitigation &
Resiliency

Flood
Resiliency

Community
Drainage
Improvements

Goal # 4: Build resiliency to flooding

Flood
Mitigation
&
Resiliency

Flood
Resiliency

Community
Drainage
Improvements
(CDI)

Three strategies to advance CDI program:

1. Design innovation
2. External funding
3. Strategic partnerships



Complete in 2016

- Haysboro

Cost: \$484K

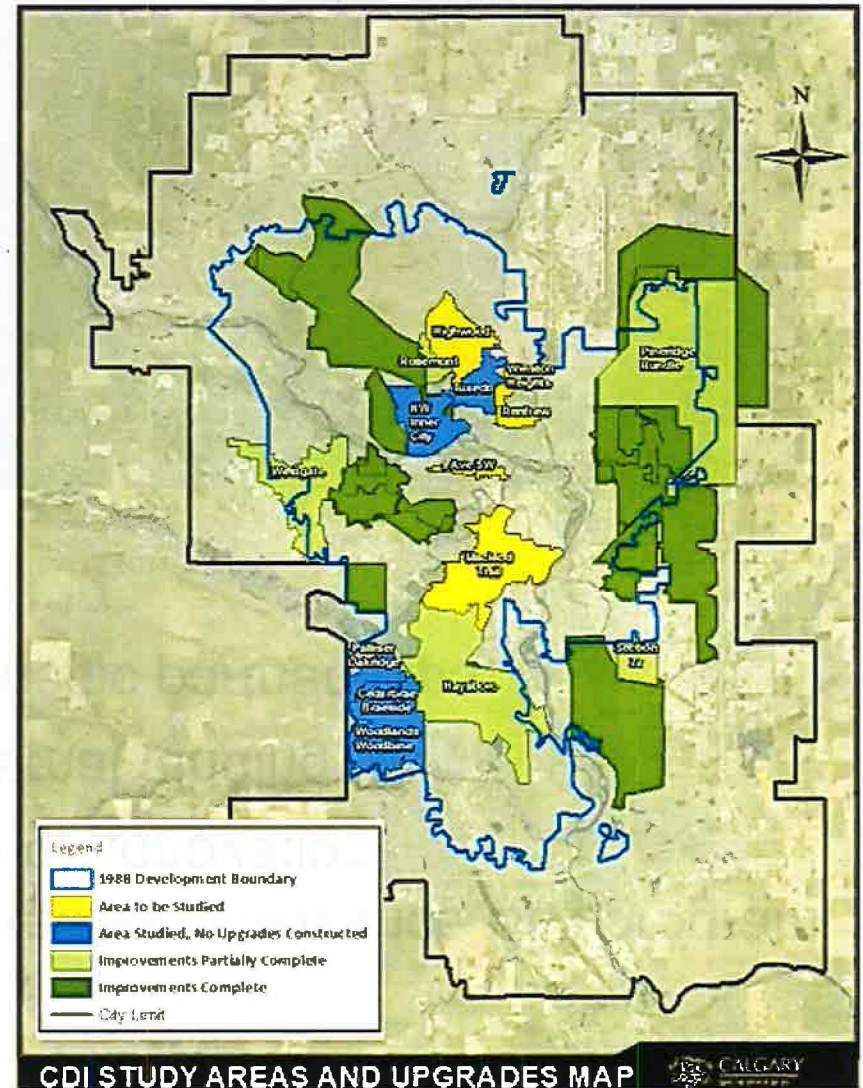
TBL benefits: \$20 M

Underway

- Christie Park
- Woodlands
- Woodbine
- Cedarbrae
- Braeside
- 14.5 St. NW

Cost: \$49M

Planned completion: 2019



ADMINISTRATION RECOMMENDATION

That the SPC on Utilities and Corporate Services receive this report for information.