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Stormwater management in new and established communities

- Newer communities require some stormwater quality treatment measures and generally have increased drainage capacity.
- In **older communities**, the majority of stormwater flows untreated through storm drains and roads, back into the rivers.
 - Community Drainage Improvement program increases capacity of drainage systems in older communities at high risk of flooding.
 - Stormwater retrofits help manage quality and quantity.









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Panelist presentations: Stormwater and city-building

Dave Sauchyn, Director, Prairie Adaptation Research Collaborative o How climate is changing temperature, rain and snow patterns in the city of Calgary

Josh Ellis, VP, Chicago Metropolitan Planning Council

- o Stormwater management and city-building challenges in Chicago
- o What solutions Chicago applying to manage water and development

Francois Bouchart, Director, Water Resources, City of Calgary

The City's challenges in meeting its stormwater customer commitments
What The City hears from the development industry





Calgary 🚳 Milestone: Glenmore Dam and Reservoir



1932 Glenmore Dam completed creating a reliable, clean supply of water for Calgarians

1950-60s boom time, development pressures around the reservoir increased

1963 bylaw prohibited swimming in Glenmore Reservoir

IWM Goal #1: protect our water supply



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2019 May 13

One Calgary Council Directive

Integrated watershed management is essential to **protect public health and the environment**, while strengthening our **resiliency to a changing climate**.

Calgary must develop our communities with a focus on achieving future **water security and a sustainable water supply**. Accordingly, watershed management must be **integrated into our land use policies**, plans and **decisions**.

Accomplishing sustainable, effective watershed management within Calgary and the region will also require **working collaboratively** with other orders of government, adjacent municipalities, residents, landowners, developers, businesses and the First Nations.

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