

# Background

## Context

The City's Flood Resilience and Mitigation Program uses a three-layered approach that combines upstream, community, and property-level mitigation to work towards protecting Calgary from a 1:200 flood. The City undertook a comprehensive Flood Mitigation Measures Assessment in 2016 to determine the best combination of flood mitigation measures in Calgary. This plan was approved by Council in 2017 and since then The City has been implementing the plan to reduce Calgary's flood risk.

As of 2021, Calgary's flood risk has been reduced by 55 per cent since 2013. Once the Government of Alberta completes the Springbank Off-Stream Reservoir project, Calgary's flood risk will be reduced by approximately 70 per cent.

## Previous Council Direction

| DATE                | REPORT NUMBER | DIRECTION/DESCRIPTION   |
|---------------------|---------------|---|
| 2022<br>February 15 | IP2022-0035   | That Council: <ol style="list-style-type: none"> <li>1. Direct Administration to proceed with the integrated Memorial Parkway Program;</li> <li>2. Direct Administration to complete the Sunnyside flood barrier by 2025 through the Memorial Parkway Program and its city building vision; and</li> <li>3. Direct Administration to bring a Program progress report to the Infrastructure and Planning Committee no later than Q2 2023.</li> </ol> |
| N/A                 | N/A           | 2020 Flood Resiliency and Mitigation Annual Update<br><br>Publicly available at<br><a href="https://www.calgary.ca/content/dam/www/uep/water/documents/water-documents/2020-flood-resiliency-and-mitigation-update-report.pdf">https://www.calgary.ca/content/dam/www/uep/water/documents/water-documents/2020-flood-resiliency-and-mitigation-update-report.pdf</a>  |
| 2020 April 27       | UCS2020-0372  | 2019 Flood Resiliency and Mitigation Annual Update<br><br>That Council: <ol style="list-style-type: none"> <li>1. Proceed with the Sunnyside Flood Barrier project at Administration's recommended service level;</li> <li>2. Return to Council with budget adjustments for ACRP-impacted projects no later than the 2020 November mid-cycle adjustments; and</li> </ol>  |

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|                  |              | <p>3. Report back to the Standing Policy Committee on Utilities and Corporate Services no later than Q4 2020 with recommendations regarding the Bowness barrier project.</p>  |
| 2018 May 28      | UCS2018-0600 | <p>Update on Upstream Bow River Flood Mitigation</p> <p>That Council:</p> <p>Send a letter to the Province requesting:</p> <ul style="list-style-type: none"> <li>a) The Province reconvene the Bow River Working Group with a renewed governance framework as soon as possible;</li> <li>b) All projects in The City's 2017 Alberta Community Resilience Program application be approved and funded as submitted; and</li> <li>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.</li> </ul> <p>And further, that Council hold a strategic meeting with respect to integrated watershed management and the resiliency plan, no later than the fall of 2018.</p> |
| 2018 February 26 | UCS2018-0092 | <p>2017 Flood Resiliency and Mitigation Annual Update</p> <p>That Council:</p> <ul style="list-style-type: none"> <li>1. Receive this report for information;</li> <li>2. Request that the Mayor, on behalf of City Council reaffirm with the Government of Alberta the importance for upstream dams/reservoirs on the Bow and Elbow as The City of Calgary's top infrastructure need; and</li> <li>3. Direct Administration to conduct robust public engagement with impacted communities prior to finalizing the height and design details of the four community barriers identified in the Flood Mitigation Measures Assessment.</li> </ul>  |
| 2017 April 10    | UCS2017-0266 | <p>Flood Mitigation Measures Assessment Report and 2016 Flood Resiliency Update</p> <p>That Council direct Administration to:</p> <ul style="list-style-type: none"> <li>1. Work with Council to advocate for an upstream reservoir and continuation of the Provincial-TransAlta operational agreement for the Bow River;</li> <li>2. Continue supporting the development of the Springbank Off-stream Reservoir on the Elbow River by the Province;</li> <li>3. Develop an implementation and funding plan for community level flood mitigation and report back to Council through the SPC on Utilities and Corporate Services or the Priorities and Finance Committee by Q2 2017;</li> </ul>  |

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|                     |                     | <ol style="list-style-type: none"> <li>4. Explore the development of a property-level mitigation program;</li> <li>5. In alignment with Provincial mapping and policy updates, conduct further investigation on land use policy and building regulations for areas prone to flooding; and</li> <li>6. Work with City Council to confirm and communicate to other orders of government, that flood mitigation is a top strategic priority for The City of Calgary.</li> </ol>  |
| <p>2014 June 23</p> | <p>PFC2014-0512</p> | <p>River Flood Mitigation Final Report</p> <p>Recommend that Council:</p> <ol style="list-style-type: none"> <li>1. Accept the report, Calgary's Flood Resilient Future: Report from the Expert Management;</li> <li>2. Panel on River Flood Mitigation (Attachment 1) for information;</li> <li>3. Direct Administration to bring a report to Priorities and Finance Committee no later than 2014 October 28 with the resource requirements for Corporate activities to be initiated in 2015-2018 (Attachment 2);</li> <li>4. Direct Administration to bring a report to Priorities and Finance Committee no later than 2014 December 9 with a status update for Corporate activities underway, as identified in Attachment 2; and</li> <li>5. Request that the Glenmore Reservoir Diversion Tunnel be included in the Government of Alberta's analysis of available capital works options for flood mitigation and that The City of Calgary be engaged in the decision making process.</li> </ol> |