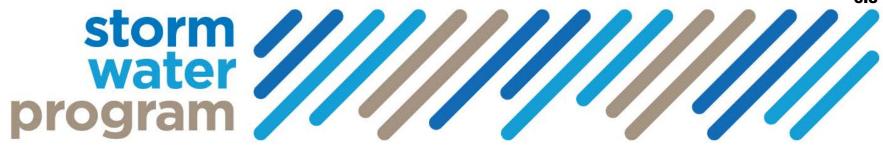


# Stormwater Charge Credit Program – Proposed Enhancements

SCOTT PERRY
GENERAL COMMITTEE
October 20, 2021





# **Agenda**

- Background / Phase 1 Review
- Phase 2 Review / Stakeholder Engagement
- Proposed Enhancements
- Implications & Impact Analysis
- Implementation Plan



# Background

December 2019: Initiated a 5-year multi-phased review\* of

the Stormwater Charge Credit Program

Phase 1 findings presented to General November 2020:

Committee

Initiated Phase 2 study – detailed analysis and develop recommendations on 5 April 2021:

shortlisted credit program improvements

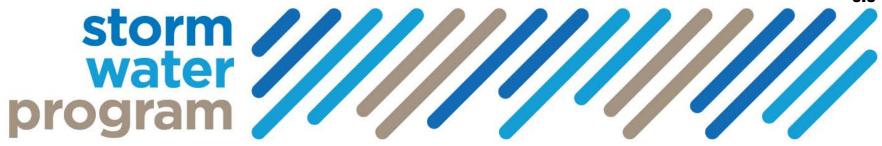
October 2021: Seeking approval to implement proposed

changes to the Stormwater Charge Credit

**Program** 

<sup>\*</sup>Consultant led study - Resilient Consulting & Computational Hydraulics Intl. (CHI)

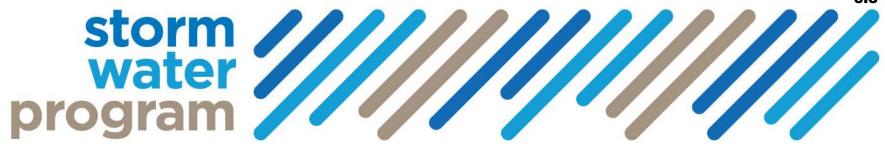




# Summary of Phase 1 Review

- Recommended 5 shortlisted options to enhance the Non- and Multiresidential Credit Program.
  - 1) Define variable credit criteria for Peak Flow Reduction by geography.
  - 2) Apply a sliding scale criteria.
  - 3) Change the maximum credit amounts allowed in each of the credit categories.
  - 4) Expand the list of eligible practices or stormwater management measures to achieve credits.
  - 5) Formalize the process for communal facilities to share credits.
- Concluded that the enhanced outreach and education program remains the best option/most cost effective for residential properties





#### Phase 2 Review

- To date, uptake of the Credit Program has been low and most apply only for Peak Flow Reduction credits (98% of total active credits)
- To enhance the Credit Program, the overall goal is to increase flexibility and opportunities resulting in mutual benefits for property owners and the City's receiving stormwater system
- Phase 2 Review included:
  - stakeholder engagement
  - detailed analysis of proposed changes
  - develop final recommendations and implementation plan





# Stakeholder Engagement

- Conducted a digital survey of past and current credit applicants
- Held a series of two stakeholder engagement meetings:
  - June 30, 2021
  - September 15, 2021
- Presented at Mississauga Board of Trades' Environmental and Sustainability Committee



(Non- and Multi-residential Credit Program)

#### 1) Variable Credits for Peak Flow Reduction

Current Credit Criterion	Proposed Alignment with Development Criteria		
	Watershed (examples)	Peak Flow Criteria	
		(variable)	
Based on % reduction of the 100- Year Flow from Post-development to Pre-development condition	Cooksville Creek	100-Year Post to 2-Year Pre-	
		development	
	Mullet Creek	Post to Pre-development	
	Credit River	No Control	



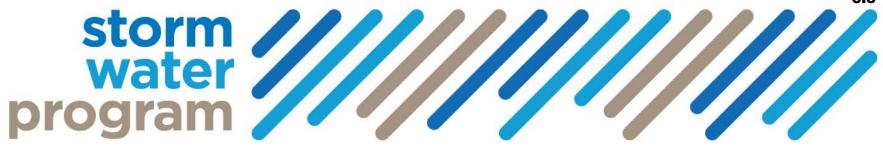


(Non- and Multi-residential Credit Program)

#### 2) Sliding Scale Criteria

Water Quality Treatment	<b>Current Credit Amount</b>	Proposed Credit Amount
Enhanced (80% TSS removal)	Up to 10%	Up to 30%
Normal (70% TSS removal)	0%	Up to 23%
Basic (60% TSS removal)	0%	Up to 15%





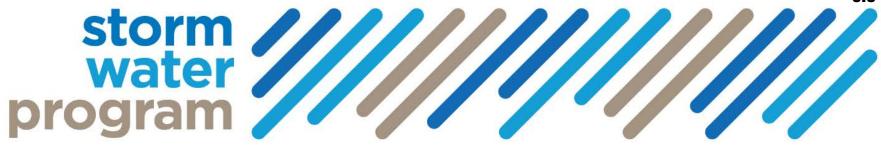
(Non- and Multi-residential Credit Program)

#### 3) Maximum Amount in Credit Categories

Credit Category	Current Credit Amount (50% maximum)	Proposed Credit Amount (50% maximum)*
Peak Flow Reduction	Up to 40%	Up to 40%
Water Quality Treatment	Up to10%	Up to 30%
Runoff Volume Reduction	Up to15%	Up to 30%
Operations and Activities (formerly Pollution Prevention)	Up to 5%	Up to 20%

<sup>\*</sup>Maximum credit amount to remain at 50%





(Non- and Multi-residential Credit Program)

#### 4) Expand Eligible Practices

- Additional stormwater
   management & pollution
   prevention practices be eligible
   for credit
- That the 'Pollution Prevention' category be renamed 'Operations and Activities'

#### 5) Credit Sharing

- Developed a checklist to assist with 'shared credit' applications
- Formalize rules and the administration of shared credits

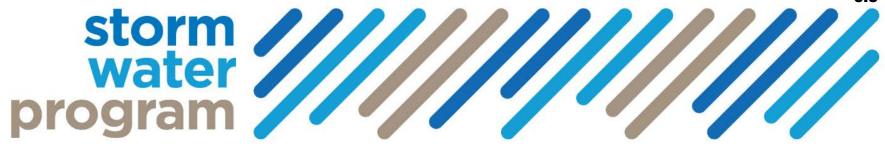
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#### <u>Implications to Credit Holders</u>

- Greater flexibility and potential to receive increased or maximum credit
- 11 properties or 6 percent of active credits will lose their Peak Flow Reduction credit amount
- Existing credits will remain until expiry of their application (e.g. if credit was renewed in 2021, it would remain in effect until 2026)

#### **Financial Impact Analysis**

- There are no immediate financial impacts resulting from the adoption of the recommendations
- Staff will budget for a conservative uptake of the enhanced Credit Program
- Anticipated that the enhanced Credit Program will have minimal impact to the Stormwater Charge rate

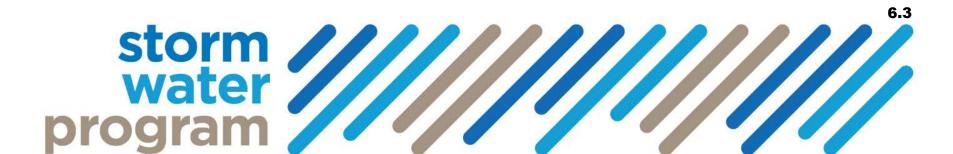


#### Implementation Plan

- Finalize eligible suite of practices, requirements and range of credits for the renamed category 'Operations and Activities'
- Update the Stormwater Charge Credit Application Guidance Manual, application forms, administration documents, webpages and Standard Operating Procedures
- Amend the Stormwater Fees & Charges By-law 0295-2020
- Update Corporate Policies and Procedures for Stormwater Credit Program for Multi-Residential and/or Non-Residential Properties 04-14-03
- Implement changes to existing Stormwater Charge administration, billing and IT systems
- Provide notice of enhanced Program to existing credit holders and complete outreach and awareness campaign to eligible property owners

**Enhanced Credit Program tentatively scheduled for late 2022.** 





Thank You

Questions?

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