

Stormwater Climate Action Fund (SWCAF)

GENERAL COMMITTEE PRESENTATION

PRESENTED BY: CRAIG MILLAR, CHIEF FINANCIAL OFFICER

KELAN JYLHA, MANAGER OF TAX & REVENUE



Agenda

1. Council Approvals
2. Stormwater in Barrie
3. Program Objectives
4. Public Engagement
5. Program Details
6. Questions and Answers

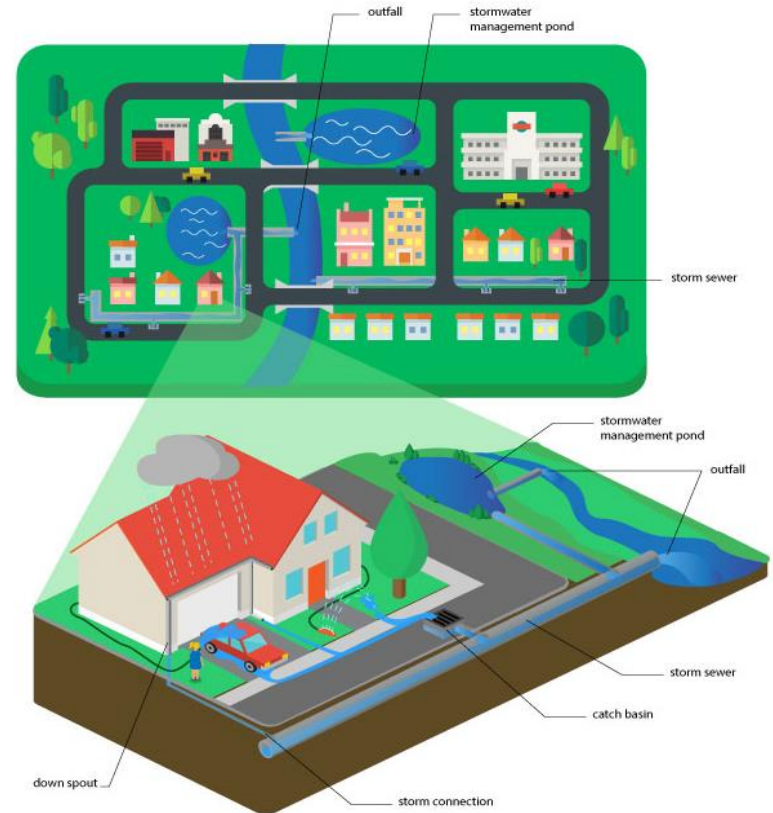
Council Approvals

- ✓ **November 25, 2019:** Council requested that staff investigate the creation of a Stormwater Climate Action Fund to pay for the City's operating and capital stormwater infrastructure needs.
- ✓ **February 8, 2021:** Council approved the Stormwater Asset Management Plan (AMP) in accordance with Provincial Regulations. The report highlighted the current infrastructure gap that exists between the investment required to provide sustainable stormwater service and the current level of spending.
- ✓ **February 14, 2022:** Council approved staff to continue with implementing the Stormwater Climate Action Fund and move forward with the development of policies and hiring staff to administer the program.

What is Stormwater?

Stormwater: rainwater, melted snow or water that runs off our roofs, driveways and roads rather than soaking into the ground. It either flows into rivers and waterways or is channeled into storm sewers.

Impervious Area: A hard area that does not absorb water. Water runs off the impervious surface, collects pollutants, and flows into our local rivers and other waterways.

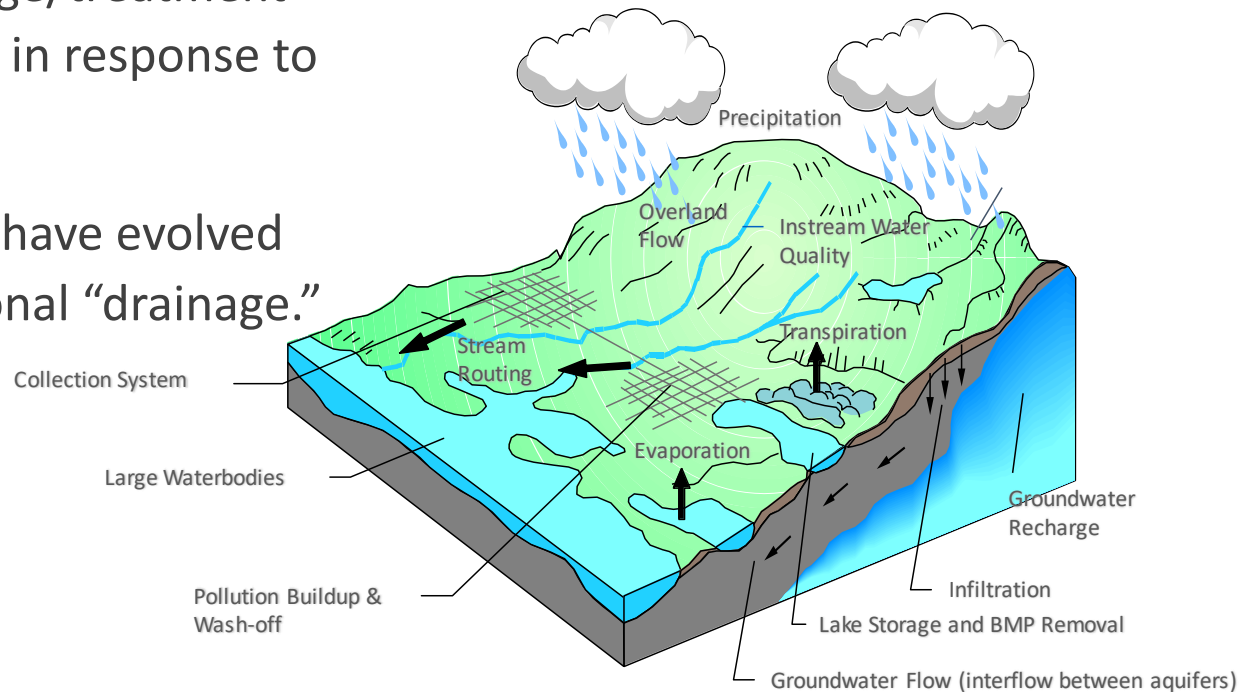


What is Stormwater Management?

Capture/collection, storage/treatment and conveyance of water in response to rainfall and snowmelt.

Legislative requirements have evolved significantly from traditional “drainage.”

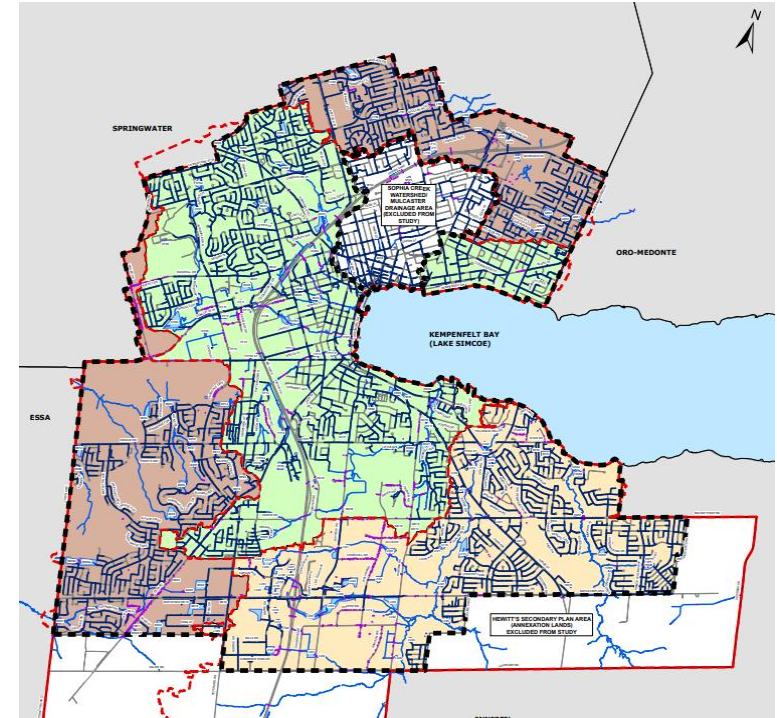
- Hazard protection
- Quality treatment
- Volume reduction
- Watershed health



Stormwater Challenges in Barrie

- **Flooding** due to **insufficient capacity**, causing private and public property **damage**
- **Deteriorating** infrastructure
- **Climate change** (exacerbate existing issues and create new ones)
- Insufficient overflow routes
- **Development**: increase **imperviousness** and decrease **water quality**
- **Inaccessible** infrastructure

Source: Barrie 2019 Drainage Master Plan



Program Objectives



Public Engagement Update

2021

COMPLETED – 1st Advisory Group Meeting – May 5th

COMPLETED – 1st Public Engagement Session – Jun. 3rd

COMPLETED – 2nd Advisory Group Meeting – Sep. 28th

COMPLETED – 2nd Public Engagement Session – Oct. 14th

2022

COMPLETED – 3rd Advisory Group Meeting – Oct. 19th

Community Feedback



Increase education about impacts of impervious areas for new developments and importance of the Green Development Standards



Environmental protection for Lake Simcoe



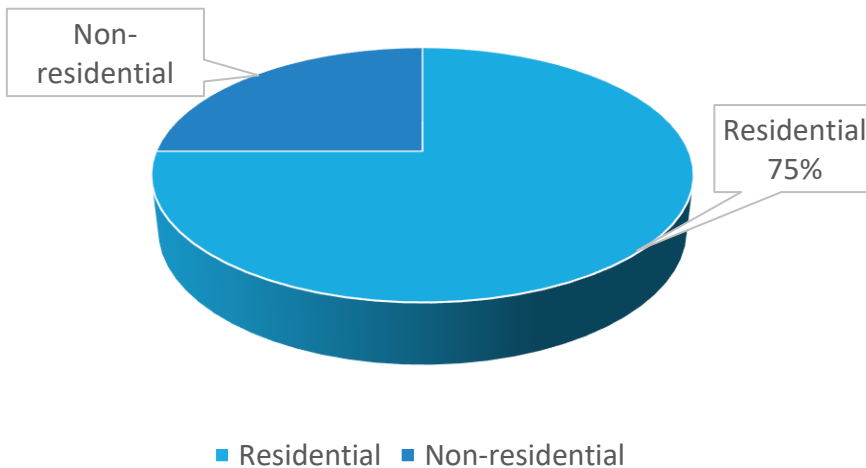
The City should lead by example to modify its own properties



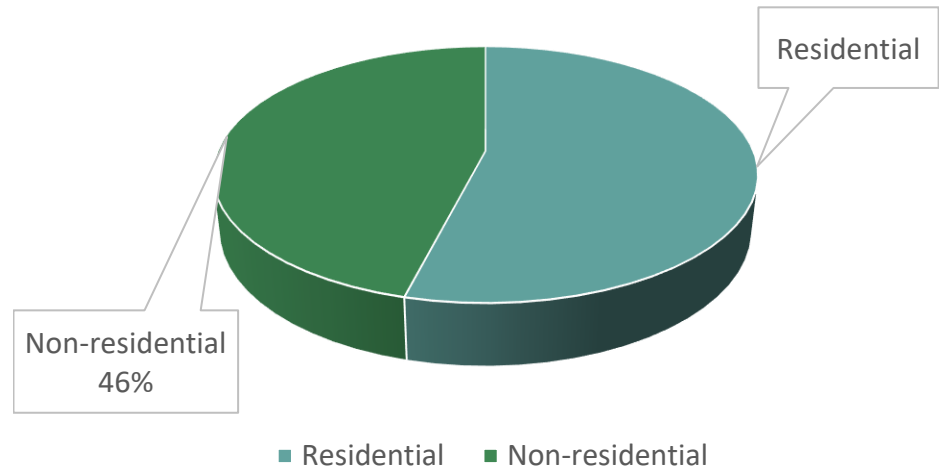
Incentivize property owners and launch new fees once credit/rebate mechanism is put in place

Current Funding Model

Tax Levy Revenue Contribution



Imperviousness Area Totals



Stormwater User Fees in Ontario

- Currently 16 municipalities in Ontario have some variation of a stormwater user fee.
- **City of Barrie** monthly residential fee for a single-family home is proposed at **\$10.75/month**

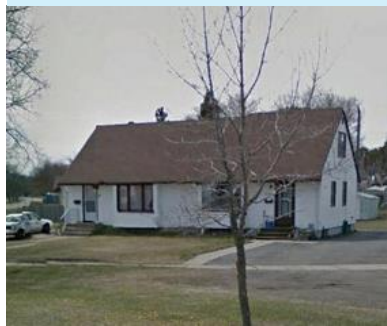
No.	Community	Monthly Res. Fee	Year Created	Population (2016 Census)
1	London	\$17.13	1996	383,800
2	Aurora	\$7.09	1998	55,400
3	St. Thomas	\$11.36	2000	38,900
4	Kitchener	\$16.39	2011	233,200
5	Waterloo	\$13.64	2011	105,000
6	Richmond Hill	\$6.16	2013	195,000
7	Markham	\$4.25	2015	329,000
8	Mississauga	\$9.20	2016	721,600
9	Ottawa	\$12.90	2017	934,200
10	Vaughan	\$4.46	2017	306,200
11	Newmarket	\$6.64	2017	84,200
12	Orillia	\$3.00	2017	31,200
13	Middlesex Centre	\$15.37	2017	17,300
14	Guelph	\$6.40	2018	131,800
15	Whitchurch-Stouffville	\$8.00	2019	45,800
16	Brampton	\$7.42	2020	593,600

Residential Fee Groupings

Detached Home = 1.0
DRU



Semi-Detached
DRU factor = 0.7/home



Duplex
DRU factor = 0.7/unit



3 and 5-Plex
DRU factor = 0.5/unit



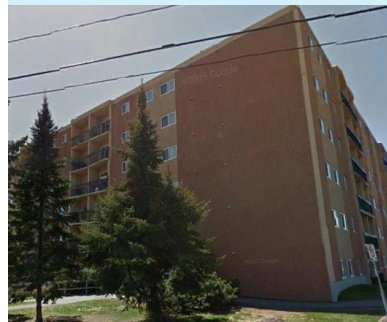
Condominium
DRU factor = 0.5/unit







Townhouse
DRU factor = 0.5/unit







7+ Unit Apartments
DRU factor = 0.4/unit



SWCAF – Residential Properties

Land Use	Existing Property Tax Contributions	Billing Unit Value	Annual Stormwater Fee	Difference
Detached Residential Unit (DRU)	\$174	1.0	\$129	 -\$45
Duplex (both units)	\$165	0.7 x 2	\$181	 \$16
Condo/townhome	\$116/\$130	0.5	\$64	 -\$52/- \$66
7+ apartments (whole building)	\$2,585	0.4 x 40	\$2,076	 -\$509

SWCAF – Non-res Properties

Property Type	Property Tax Contributions	Impervious Area (sq. m)	Billing Unit Value	Annual Stormwater Fee	Difference
Restaurant	\$749.50	298	2.53	\$131.53	 -\$617.97
Vehicle Dealership	\$7,346.90	20,267	85.87	\$11,077.16	 \$3,730.26
Parking Lot	\$1,274.82	10,217	43.28	\$5,583.46	 \$4,308.64
Neighborhood Shopping Centre	\$76,104.99	115,089	487.64	\$62,904.58	 -\$13,200.41

Barrie's Proposed Credit Program

Non-Residential Properties:

Qualify for reduction in their stormwater user fee by having on-site stormwater management measures.

1. Enhanced Water Quality:

- Removal of sediments and pollutants

2. Water Quantity Control:

- Reducing peak flow rates by detaining flows on site and releasing slowly

3. Water Volume Reduction:

- Capturing water on site to infiltrate into the ground or use for irrigation.

Up to 50% reduction of a stormwater bill available.

Communications and Outreach



CoB Website



Video



Social Media



Radio Ads



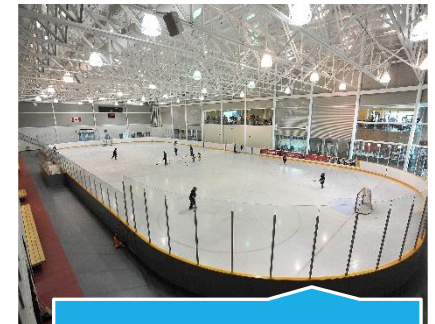
Email Campaign



Mail



Newspaper Ads



CoB Facility Screens

Next Steps

December 2022

- Stormwater brochure is mailed out to all property owners

January/February 2023

- Approval of Staff Report and By-law
- Finalize Stormwater Rates during 2023 Budget approval process

March 2023

- Stormwater water bill insert is mailed out to property owners

April 2023

- Billing to begin

Questions?



www.barrie.ca/StormwaterFund