

ATTACHMENT 1: SUMMARY OF MUNICIPAL STORMWATER MANAGEMENT INCENTIVE PROGRAMS

Table 1 presents examples of stormwater management incentive programs for municipal jurisdictions in Canada and the United States including stormwater charge credits, stormwater grants and rebates, stormwater management financing, stormwater incentives for development, and award and recognition programs.

Table 1: Municipal Stormwater Management Incentive Programs

Municipality	Incentive Programs and Description
Stormwater Charge Credits	
City of Guelph, ON	<p>Stormwater Credits Program - offers a credit on the stormwater fee to eligible industrial, commercial and institutional (ICI) properties and multi-residential properties of 6 units or more up to a 50 per cent maximum.</p> <p>Stormwater Fee Credit categories include peak flow reduction (15 per cent maximum), runoff volume reduction (50 per cent maximum), water quality treatment (15 per cent maximum) and operations/activities such as education programs and pollution prevent/risk management practices (15 per cent maximum).</p>
City of Kitchener, ON	<p>Stormwater Credit Program - offers a credit of up to 45 per cent of the monthly stormwater utility fee for eligible residential and non-residential properties.</p> <p>For residential properties, credits are earned based on the volume of stormwater captured through the installation of measures such as rain barrels, cisterns, infiltration galleries, rain gardens and permeable pavers.</p> <p>For non-residential properties, credits are earned for stormwater quality (up to 15 per cent), stormwater quantity (up to 25 per cent), education of employees, the public or students about flood prevention and pollution reduction (up to 5 per cent).</p>

<p>City of London, ON</p>	<p>Stormwater Rate Reduction Program - offers a reduction of up to 50 per cent of the stormwater rate to eligible ICI properties with a property size greater than 0.4 hectares.</p> <p>Eligibility for credits include:</p> <ul style="list-style-type: none"> • <i>Reduced Impervious Area:</i> demonstrate that the runoff coefficient of the property is less than the City Design & Specification Standard for the Land Use/Zoning. • <i>Implementation of Low Impact Development (LID):</i> show how low impact development controls constructed reduce the total volume of runoff from the site. Rain gardens, bioswales, green roof, permeable pavers and infiltration galleries are considered for the credit. The credit may relate to the surface area of the pervious feature(s) and/or the volume infiltrated into the soils (depending on soil conditions).
<p>City of Mississauga, ON</p>	<p>Stormwater Credit Program for Non Residential and Multi-Residential Properties - offers a reduction (maximum of 50 per cent) of the stormwater charge for eligible non-residential and multi-residential properties</p> <p>Applicants must provide engineering reports and drawings that demonstrate how well existing and proposed stormwater best management practices perform according to evaluation criteria that include peak flow reduction (up to 40 per cent), water quality treatment (up to 10 per cent), runoff volume reduction (up to 15 per cent), and pollution prevention (up to 5 per cent).</p>
<p>Town of Newmarket, ON</p>	<p>Stormwater Credit Program for Businesses - offers credits on the stormwater charge for eligible commercial and industrial properties that are classified in the high runoff level group.</p> <p>Property owners must demonstrate that all or a portion of property drains to an eligible best management practice (BMP) to meet evaluation criteria including reducing peak flow rate, capture and infiltrate stormwater, pollution prevent, and green space (more than 25 per cent of the total parcel size).</p>

<p>City of Waterloo, ON</p>	<p>Stormwater Credit Program - offers a credit of up to 45 per cent of the monthly stormwater utility fee for eligible residential and non-residential properties.</p> <p>For residential properties, credits are earned based on the volume of stormwater captured through the installation of measures such as rain barrels, cisterns, infiltration galleries, rain gardens and permeable pavers.</p> <p>For non-residential properties, credits are earned for flood reduction or quantity control (up to 25 per cent), pollution control or quality control (up to 15 per cent), and education of employees, the public or students about flood prevention and pollution reduction (up to 5 per cent).</p>
<p>City of Edmonton, AB</p>	<p>Stormwater Utility Credit Program for Non-Residential Customers - offers a credit on the stormwater utility fee to eligible non-residential customers that can demonstrate they contribute significantly less stormwater than other properties within their land zone class.</p> <p>Two types of credits are offered: the Requested Reduction which is dependent on stormwater reductions identified in the engineering report submitted, and the Standard Reduction (25 per cent credit). Only one credit can be applied at a time.</p>
<p>City of Halifax, NS</p>	<p>Stormwater Credits Program for Non-Residential Stormwater Customers - offers an annual stormwater credit of up to 50 per cent to non-residential properties based on stormwater detention based on the volume of stormwater retained and key return period storm reduction capabilities (at least a 1:5 year storm).</p> <p>Residential customers are eligible to apply for a credit and be billed as a non-residential customer.</p>

<p>City of Saskatoon, SK</p>	<p>Stormwater Management Credit Program for Multi-residential and Non-residential Customers - offers a reduction in stormwater charges (50 per cent maximum) to multi-residential or non-residential property owners who have implemented storm water and/or pollution prevention best management practices (BMPs) that reduce impacts to City's stormwater infrastructure up to a maximum</p> <p>Stormwater Management Credits are available in three categories, Water Quality Improvement (up to 20%), Peak Flow Reduction (up to 30%), Onsite Retention/Runoff Volume Reduction (up to 50%). Applicants can only apply under one category for each BMP implemented.</p>
<p>City of Victoria, BC</p>	<p>Rainwater Rewards Program - offers credits (up to 40 percent) off the annual stormwater utility bill for multi-family, business and institutional properties for the installation of approved rainwater management methods including rain barrels and cisterns, infiltration chambers, permeable paving, rain gardens, bio-swales, and green roofs) that manage rainwater on private property. Low density residential properties (1 to 4 units) may apply for a credit of 10 per cent off the annual stormwater utility bill for the installation of approved rainwater management methods.</p>

<p>City of Baltimore, MD</p>	<p>Stormwater Fee Credits Program - offers a stormwater fee credit for all property classes.</p> <p>Credits for single family properties include one-time and annual credits for the implementation of certain "simple" stormwater management best practices such tree plantings, large rain gardens, rain barrels, etc. Annual credits are offered (45 to 100 per cent) for onsite treatment through the implementation of more significant stormwater management infrastructure.</p> <p>All other properties are able to earn credits (ranging from 30 to 100 percent) for the implementation of improved stormwater management practices including the reduction of impervious area through added green space, stormwater treatment (structural and site design best management practices) and pollution reduction.</p>
<p>City of Philadelphia, PA</p>	<p>Stormwater Credits Program - offers credits on the monthly stormwater management service charge for all property classes of at least 500 sq metres of gross area, except single-family residential properties.</p> <p>Three classes of credits are available:</p> <ul style="list-style-type: none"> • <i>Impervious Area SWM Credit</i> - for reductions of hard surface area, and management of impervious area of at least the first inch of runoff (tree canopy cover, downspout disconnection, pavement reduction, infiltration, green roof, blue roof, porous pavement, detention and slow release, pollution reduction and filtration) • <i>Gross Area SWM credit</i> - only available for open space and property must demonstrate an average National Resource Conservation Service Curve Number that meets certain requirements (runoff potential for particular soil or ground cover) • <i>National Pollutant Discharge Elimination System Industrial Permit (NPDES) credit</i> - property must demonstrate compliance with permit requirements over previous 12 months

<p>City of Portland, OR</p>	<p>Stormwater Discount Program (Clean Rivers Rewards) - offers a discount of up to 100 per cent of stormwater charge for actions on private property that reduce the impacts of stormwater runoff to Portland's rivers, streams, groundwater and sewer system.</p> <p>Stormwater credits for residential properties are earned based on meeting water balance objectives. For all other properties, stormwater credits are earned based on meeting performance criteria for water quality, flow rate and water balance.</p>
<p>City of Seattle, WA</p>	<p>Stormwater Facility Credit Program - offers a stormwater facility credit to all property types with stormwater systems (e.g. detention vaults and bioretention systems, rain gardens, permeable pavements and filtration systems) that provide stormwater flow control and/or water quality treatment from impervious surfaces.</p> <p>A formula is used to calculate the percentage credit for each eligible property, which assigns a uniform percentage credit for each type of approved stormwater system based on a weighting of the stormwater performance goals and the appropriate drainage discharge point for the property.</p>
<p>Washington, District of Columbia</p>	<p>Clean Rivers Impervious Area Charge Incentive Program - offers a discount (up to 20 per cent) on the District's impervious area charge to eligible properties that manage stormwater on their property through the use of approved best management practices such as rain gardens, rain barrels, pervious pavings, green roofs, bioretention practices and stormwater reuse methods.</p> <p>River Smart Rewards Program - offers a discount of up to 55 percent to District residents, businesses, and property owners off the District's Stormwater Fee when they reduce stormwater runoff by installing green infrastructure such as green roofs, bioretention, permeable pavement, and rainwater harvesting systems.</p>

Stormwater Management Grants and Rebates	
City of Guelph, ON	<p>Get a Rain Barrel Program - offers a limited number of discounted rain barrels at \$30 each for residential properties.</p> <p>Rain Garden Rebate Program - offers a rebate of up to \$2,000 to residential properties to install a rain garden. The rebate is offered on a first come first serve basis and is based on the number of litres of water the rain garden holds and the cost of installation.</p> <p>Rain Harvesting System Rebate Program - offers a one-time rebate for the installation of an approved rainwater harvesting system. The rebate is \$0.50/litre of tank storage (at least 500 litres) to a maximum of \$2,000</p> <p>Backyard Tree Planting - offers subsidized back yard tree plantings for residential properties in partnership with Reep Green Solutions.</p>
City of Kitchener, ON	<p>Community Environmental Improvement Grant Program - provides grants to eligible community groups for projects that increase awareness and encourage environmental stewardship among residents, promote and initiate community-based environmental projects (including projects to improve stormwater management such as tree planting) and support environmental research.</p>
City of London, ON	<p>Neighbourhood Tree Matching Fund (TreeME) Program - provides funding (up to 75 per cent of project costs) for tree planting on private residential or commercial properties to community groups, business associations, residents, and businesses. Maximum funding allocation is \$50,000 per project, with total funding available of \$200,000 annually.</p>
Town of Newmarket, ON	<p>Residential Subsidized Tree Planting Program - offers a subsidy of \$100 to eligible residential properties, in partnership with LEAF for the planting of one tree per residential property</p>
City of Halifax, NS	<p>Community Grants Program - offers cash grants to registered non-profit organizations and charities with a focus on supporting volunteer-led initiatives including projects for environmental stewardship (including stormwater management), up to a maximum of \$5,000 for a project, and up to \$25,000 for a capital grant.</p>

<p>City of Saskatoon, SK</p>	<p>Environmental Grant Program - offers a cash grant to non-profit organizations that implement initiatives to support the City of Saskatoon's environmental goals. Funding is made available for initiatives that increase awareness and protection of water resources and other environmental projects.</p>
<p>City of Victoria, BC</p>	<p>Rainwater Rewards Program - offers rebates between \$35 to \$1,500 for eligible low-density residential properties (1 to 4 units) for the installation of approved rainwater management methods including rain barrels, cisterns, rain gardens, infiltration chambers, permeable paving and bioswales.</p>
<p>City of Austin, TX</p>	<p>Rain Water Harvesting Rebate Program - offers a rebate of up to \$5,000 (\$ US) to eligible commercial properties for new or expanded rain harvesting systems such as rain barrels to complex pressurized systems with large cisterns. The rebate is \$0.50 per gallon of capacity for non-pressurized systems (no pump) and \$1.00 per gallon of capacity for pressurized systems (has a pump) up to half of the system cost.</p>
<p>Montgomery County, MD</p>	<p>Rainscapes Rewards Program - offers rebates to property owners who install RainScapes techniques such as rain gardens, rain barrels, conservation landscaping and other approved projects that help control stormwater. The maximum rebate is \$7,500 for residential properties and \$20,000 for commercial, multi-family or institutional properties.</p>
<p>Northeast Ohio Regional Sewer District (Cleveland), OH</p>	<p>Green Infrastructure Grant (GIG) Program - offers a reimbursement grant to member communities, governmental entities, non-profit organizations 501(c)(3), or businesses working in partnership with their communities in the combined sewer area interested in implementing green infrastructure projects that remove stormwater from the combined sewer system. The recommended maximum grant amount for each application is \$250,000 (\$ US).</p> <p>Grantees are required to enter into a grant agreement with the District for the implementation and long-term maintenance of the GIG project. If the GIG project fails to be maintained by the Grantee in accordance with the grant agreement with the District, the full amount of GIG Program funds expended for the water resource project must be returned to the District.</p>

<p>City of Philadelphia, PA</p>	<p>Rain Check Program - offers a subsidy (maximum of \$1,500 US) to residential properties that implement green infrastructure on their property to improve stormwater management. The program is funded by the City of Philadelphia Water Department and administered by Rain Check, a not-for-profit organization.</p> <p>Stormwater Grants Program: offers grants to property owners for the design and construction of stormwater retrofit projects on non-residential properties in Philadelphia. Criteria for evaluating applications prioritize stormwater management practices with a greening component (e.g. vegetated surface systems, trees and depaving), cost-effectiveness (funding requested is less than \$200,000 US per greened acre), additional funding commitment from the property owner or other grants, loans, etc., community benefits including environmental, social and local job creation benefits, and the project helps to manage stormwater in the public right-of-way. The average grant award per approved application in 2020 was \$550,000 (\$ US).</p> <p>Green Roof Tax Credit Program: offers a credit against the Business Income and Receipts tax for businesses to construct a green roof, up to 50 per cent of costs incurred and not to exceed \$100,000 (\$ US).</p>
<p>City of Portland, OR</p>	<p>Treebate Program - offers a one-time credit on the City of Portland sewer/stormwater/water utility bill for planting a tree on residential properties for half the purchase price per tree up to \$15 (small), \$25 (medium) or \$50 (large) depending on mature tree size and stormwater management potential.</p>
<p>City of Santa Monica, CA</p>	<p>Rain Harvest Rebate Program - offers a rebate for property owners and renters of \$200 to \$2,000 (\$ US) for the installation of rain barrels, cisterns, rain gardens, permeable driveways, downspout redirect devices on private property.</p>

<p>City of Seattle, WA</p>	<p>Rain Wise Rebate Program - offers rebates to private landowners for the installation of rain gardens and cisterns to reduce stormwater runoff from their private properties. In target areas, qualifying properties may be eligible to receive a rebate of up to \$3.50 (\$ US) for each square foot of runoff controlled using a rain garden and/or cistern.</p> <p>Green Stormwater Infrastructure Mini-Grant Program - offers a grant up to \$1,500 (\$ US) for residential landowners within the King County Wastewater Treatment Division service area that are not eligible for other incentive programs. Up to \$4,500 (\$ US) may be provided to income-limited residential landowners.</p>
<p>City of Syracuse/Onondaga County, NY</p>	<p>Green Improvement Fund Program (Save the Rain) - provides grants (maximum \$200,000 US) to eligible residential and commercial properties in specific geographic locations such as identified flooding areas and the combined sewer service area) for the installation of green infrastructure to improve stormwater management on a property. The grant is a reimbursement for design and engineering costs and labour material and construction.</p> <p>Grant amounts are determined based on the amount of stormwater reduction (measured by gallons captured annually) achieved through the implementation of green infrastructure technologies and the types of green infrastructure elements implemented, as well as stormwater runoff capture based on property location determined by stormwater prioritization.</p>

<p>Washington, District of Columbia</p>	<p>RiverSmart Communities Grant Program: provides grants to eligible participants including non-profit organizations and houses of worship for the installation of voluntary stormwater best management practices that help reduce pollution to local water ways, reduce stormwater fees, and educate the public about water pollution. Funding ranges from \$20,000 to \$40,000 (\$ US) per approved application.</p> <p>RiverSmart Roof Tops Green Roof Rebate: The District RiverSmart Rooftops Program offers a rebate of \$15 (\$ US) per square foot for the voluntary installations of green roofs for residential, commercial and institutional properties, with the objective of reducing stormwater runoff and pollutants.</p> <p>Tree Canopy Restoration Program - total funding for this program is \$1.3 million (\$US) which provides funding to eligible parties to plant over 7,000 trees in two years and perform related outreach to private and public landowners. The outreach must include identifying new planting opportunities in the District of Columbia, developing and implementing tree planting plans, planting of new trees on private land, and ensuring the viability of newly planted trees, as well as engaging community members, organizations, stakeholders, and landowners throughout the process.</p>
<p>Stormwater Management Financing</p>	
<p>Washington, District of Columbia</p>	<p>DC PACE Program - provides long-term financing to eligible buildings owners (non-profit use, industrial, institutional, multi-family and commercial office/retail) for energy and water saving improvements and related building upgrades in new construction and substantial rehabilitation projects. Financing is repaid through special tax assessment on the property. Projects that reduce and retain stormwater run-off such as green roofs, retention ponds, permeable paving, cisterns and bioswales are eligible for DC PACE.</p>

Stormwater Incentives for Development	
City of Chicago, IL	Green and Solar Permit Incentive Program - the Green Permit Benefit Tier Program offers qualifying projects an expedited permit process and possible reduction of permit fees. The Green Permit Program also offers projects with green elements (geothermal systems, green roofs, photovoltaic systems, rainwater harvesting systems, solar thermal panels and wind turbines) a priority review process.
Washington, District of Columbia	<p>Stormwater Retention Credits Trading Program - this program allows property owners to earn stormwater retention credits for major development projects undergoing permitting in the District that must meet river-protecting stormwater retention standards.</p> <p>Property owners earn stormwater retention credits by installing eligible best management practices for stormwater management/ green infrastructure that captures and retains stormwater runoff or by removing impervious surfaces. Credit owners can sell the credits in an open market to buyers who can use them to meet regulatory requirements for retaining stormwater.</p>
Award and Recognition Programs	
City of Philadelphia, PA	Businesses for an Environmentally Sustainable Tomorrow (BEST) Program - annual program that presents awards to Portland area companies that demonstrate excellence in business practices that promote economic growth and environmental benefits: (1) BEST Practices for Sustainability for Small, Medium and Large companies, (2) Sustainable Products or Services, (3) Innovations in Resource Conservation, (4) Green Buildings. The BEST awards were discontinued in 2020.
Washington, District of Columbia	District Sustainability Awards - annual awards that recognize outstanding businesses and organizations in Washington DC for their environmental stewardship, innovative best practices, pollution prevention, and resource conservation.