

APPENDIX “A” City-Led Projects Recommended to Receive 2026 Climate Change Reserve Funding

Project Title /Applicant	Summary Description	Funding
<p>Bird Friendly Window Glazing Feasibility Study & Implementation (Corporate Facilities & Energy Management)</p>	<p>This project includes conducting bird-collision risk assessments for pre-screened high priority corporate buildings, developing life-cycle aligned mitigation strategies, establishing corporate bird-friendly glazing standards for future capital renewals, and initiating implementation efforts.</p> <p>Reserve funding will cover 100% of the cost for this study and for some implementation.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan: <u>Action 1.1:</u> Develop requirements for incorporation of Low Impact Development (LID) features & green infrastructure into new development & redevelopment projects & consider watershed & landscape scales in development of plans & objectives.</p>	<p>\$300,000</p>
<p>Open Space Management Plan Development (Public Works - Environmental Services Division)</p>	<p>An Open Space Management Plan will be developed to guide the long-term management of the City’s natural open spaces. It is a strategic framework designed to identify, preserve and manage natural areas by balancing ecological conservation with community recreation.</p> <p>Reserve funding will cover 78% of the cost for plan development.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan: <u>Action 5.2:</u> In conjunction with the Biodiversity Action Plan, develop an Open Space Management Plan to guide City of Hamilton Natural Open Space Stewardship, including placement and design of natural spaces to minimize</p>	<p>\$180,000</p>

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	<p>contact with vectors (e.g. plants and animals, such as mosquitoes, that can bring diseases to human communities (e.g. Rabies, West Nile, Lyme Disease)).</p> <p>Action 7.1: Continue to enhance the management and restoration of existing natural areas and seek opportunities to dedicate land and natural areas for conservation).</p> <p>Action 8.1: Work with local partners to continue tree planting and preservation, explore community partnerships and naturalization programs to reduce urban heat island and enhance ecosystem function.</p>	
<p>Community Benefits Framework Development & Implementation (Healthy & Safe Communities)</p>	<p>A Community Benefits Framework is being developed that will identify community benefit opportunities across three pillars: social procurement, community employment benefits, and public realm & community supports. Reserve funding will contribute to the design and piloting of the latter two pillars of the Framework.</p> <p>Reserve funding will cover 33% of the cost of this initiative.</p> <p>Relevant HCAS Actions: Community Energy & Emissions Plan: Action 6a: Training & retraining programs (for a mass deep energy retrofit program) Action 7.0: Expand and connect active transportation networks. Action 12.0: EV mechanic training & retraining program. Action 15.0: Encourage development of local renewable energy cooperatives. Climate Impact Adaptation Plan: Action 3.4: Align ongoing efforts within the City to continue expanding affordable housing to protect vulnerable populations to reduce climate-related impacts from extreme weather and temperatures</p>	<p>\$120,000</p>

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<p>Variable Frequency Drives on City Hall Fountains (Corporate Facilities & Energy Management)</p>	<p>This project involves replacing the existing sump pumps that support the operation of the ornamental fountains in the forecourt of City Hall. At end-of-life, pumps will be replaced with ‘variable frequency drives’ to reduce electrical demands to operate the fountains, resulting in energy efficiency and subsequent greenhouse gas emission reductions.</p> <p>Reserve funding will cover 50% of the cost of this project.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 6.0: Design and plan for a mass deep energy retrofit program.</p>	<p>\$35,000</p>
<p>Endotherm Hydronic Solution Pilot Project (Corporate Facilities & Energy Management)</p>	<p>This pilot project will test the use of ‘endotherm hydronic solution’ to reduce the consumption of natural gas in 3 City facilities (Sir Allan McNab Rec Centre, Kings Forest Golf Club, Public Offences Administration). This is achieved through the addition of a chemical to closed-loop boiler systems to reduce thermal heat loss and improve system efficiency. The result will be an estimated 312.44 kgCO₂e reduction in greenhouse gas emissions through reduced natural gas consumption.</p> <p>Reserve funding will cover 100% of the cost of this project.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 6.0: Design and plan for a mass deep energy retrofit program.</p>	<p>\$92,000</p>
<p>Thermal Storage for Corporate Facilities - Feasibility Study (Corporate Facilities & Energy Management)</p>	<p>This feasibility study involves assessing the potential of switching out natural gas heating for electric and utilizing off-peak time to generate and store thermal heat energy through an aggregate or sand-based thermal storage solution to be</p>	<p>\$100,000</p>

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	<p>used during high demand periods of the day. It is expected that a shift to this approach will result in an estimated 13% reduction in energy intensity. These systems could facilitate the City’s involvement in provincial electrical demand programs and could provide back-up heating during electrical power outages.</p> <p>Reserve funding will cover 100% of the cost of this initiative.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 6.0: Design and plan for a mass deep energy retrofit program.</p> <p>Climate Impact Adaptation Plan: Action 11.2: Establish low-carbon back-up power systems in all City-owned facilities to serve as community hubs during emergencies and create a policy to support and promote the use of low- or no-carbon emergency energy supplies such as batteries or energy storage for residents and businesses.</p>	
<p>Recreational Centre Pool Filtration Media Change (Corporate Facilities & Energy Management)</p>	<p>This project will involve changing out silica sand with recycled glass in filtration systems for 3 City rec centre pools, resulting in improved filtration efficiency which will enable the pools to operate with lower pump pressures, reduced backwash frequency and lower duration backwashes. The 3 pools include: Kanetskare and McNab Rec Centres, and Ancaster Aquatic Centre.</p> <p>Reserve funding will cover 100% of the cost of this project.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 6.0:</p>	<p>\$40,000</p>

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<p>‘Hamilton Built to Move’ Active Travel Communications Campaign (Hamilton Public Health – Healthy Environments Division)</p>	<p>Design and plan for a mass deep energy retrofit program.</p> <p>The objective of this communications campaign will be to:</p> <ul style="list-style-type: none"> - raise awareness about active travel opportunities among residents who currently drive to work. -encourage more people to consider active travel options for commuting to work. <p>A multi-channel communications campaign will be used to reach commuters where they already live, work and engage – both on-line and off.</p> <p>Reserve funding will cover 100% of the cost of this project.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan: <u>Action 2.2:</u> Encourage and promote safer travel practices, choices, and alternatives through considering all users of Hamilton's transportation network and by working with local groups to create a communications campaign around the benefits of work-from-home.</p>	<p>\$11,350</p>
<p>Box Fan Air Purifier Pilot Project (Hamilton Public Health – Healthy Environments Division)</p>	<p>This project involves working with a community partner to provide community workshops that include education on wildfire smoke health risks & hands-on construction of DIY air purifiers that will also provide low-energy cooling via the fan component of the air purifier. Up to 200 box fan air purifiers will be provided through this pilot.</p> <p>Reserve funding will cover 80% of the cost of this project.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan: <u>Action 1.3:</u> Conduct more studies or reviews to determine flooding and other risks throughout the City & develop plans</p>	<p>\$20,000</p>

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	<p><u>Action 4.1:</u> Create educational campaigns on communicating the risks associated with climate change (i.e. health impacts, property damage, etc.) and what residents can do to prepare.</p>	
<p>Cool Kits Project (Hamilton Public Health – Healthy Environments Division)</p>	<p>This project expands Hamilton Public Health’s Cool Kit program – an initiative that provides practical, evidence-informed tools that help vulnerable residents prevent heat-related illness during extreme heat & heat emergencies. Kits have been customized to support both housed and unhoused residents. Reserve funding supports the creation of 2,000 kits.</p> <p>Reserve funding will cover 80% of the cost of this project.</p> <p><i>Relevant HCAS Actions</i> Climate Impact Adaptation Plan: <u>Action 3.3:</u> Coordinate local efforts to address excessive indoor temperatures in rental housing <u>Action 4.1:</u> Create educational campaigns on communicating the risks associated with climate change (i.e. health impacts, property damage, etc.) and what residents can do to prepare <u>Action 4.2:</u> Evaluate and select programs for making emergency preparedness kits accessible to anyone, regardless of income <u>Action 5.1:</u> Work with local partners to ensure vulnerable groups are informed about and have the means to be adequately protected from vector-borne diseases (e.g. West Nile Virus, Lyme Disease, etc.) *Kits include tick ID cards.</p>	<p>\$80,000</p>
<p>Cool Neighbours Pilot Project (Hamilton Public Health – Healthy Environments Division)</p>	<p>This pilot initiative will help residents develop buddy systems and help-your-neighbour programs for extreme weather preparedness, and it will provide resources including heat response ‘Door Knocking Pilot Kits’ that provide clear</p>	<p>\$8,000</p>

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	<p>instructions and resources to support neighbourhood engagement. The aim is to support the creation of neighbourhood networks of caring to enable people to check in on each other during extreme heat events. The effort will include a post-pilot survey to gather feedback and improve the program moving forward.</p> <p>Reserve funding will cover 48% of the cost of this project.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan Action 4.3: Establish buddy systems/help-your-neighbour programs to implement during extreme weather events.</p>	
<p>Heat Pump Hot Water Tank Pilot Project (CityHousing Hamilton)</p>	<p>This project will contribute to the conversion of 160 natural gas hot water tanks to electric heat pump hot water heaters and the installation of 1 commercial (high-rise apartment) building air-to-water heat pump for domestic hot water. A minimum of 6 CHH housing configurations will be included in the pilot project. Greenhouse gas emissions reductions of 232.7 tCO₂e/yr for the first 10 years, followed by another 10 years of 38.6 tCO₂e/yr from the commercial air-to-water heat pump, will result in a total lifespan of equipment reduction of 2,713 tCO₂e.</p> <p>Reserve funding will cover 73% of the cost of this project.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 6.0: Design and plan for a mass deep energy retrofit program. Action 6b: Launch a small-scale neighbourhood deep energy and emissions retrofit project in the residential sector.</p>	<p>\$1,500,000</p>

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	<p>Action 14.0: Develop a next generation electrical grid</p> <p>Climate Impact Adaptation Plan:</p> <p>Action 3.3: Coordinate local efforts to address excessive indoor temperatures in rental housing.</p> <p>Action 3.4: Align ongoing efforts within the City to continue expanding affordable housing to protect vulnerable populations to reduce climate-related impacts from extreme weather and temperatures</p>	
<p>Evacap System for Closed Stoney Creek Landfill (Public Works – Waste Management Division)</p>	<p>The ‘Evacap System’ proposed for installation at the closed Stoney Creek landfill, provides a nature-based solution – in the form of 44,800 trees planted over 2.8 hectares – that provides a vegetative evapotranspiration cover capable of substantially reducing the infiltration of rainfall. This, in turn, will reduce flood-related risks, stabilize landfill slopes, limit leachate generation and improve the integrity of the landfill cover.</p> <p>Reserve funding will cover 50% of the cost of this project.</p> <p>Relevant HCAS Actions</p> <p>Climate Impact Adaptation Plan:</p> <p>Action 1.3: Conduct more studies or reviews to determine flooding and other risks throughout the City & develop plans (e.g. relocating sites where appropriate) to improve the resilience of infrastructure (i.e. buildings, roads, water/wastewater infrastructure, etc.) to climate-related risks from extreme weather and temperatures.</p>	<p>\$75,850</p>
<p>Love Food Hate Waste Campaign (Public Works – Waste Management Division)</p>	<p>The internationally utilized Love Food Hate Waste system will be used to initiate a city-wide food waste reduction program. This approach, intensively applied, has been shown to consistently reduce local food waste by 10 – 15% and is already in use in cities including Vancouver, Toronto and Ottawa. It is anticipated that with</p>	<p>\$50,000</p>

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	<p>modest Year-1 assumptions (10% deep-reach households; 5% behavior change; lifecycle factor 2.5 tCO₂e/t), the program will prevent o prevent ~84 t of avoidable food waste and ~211 tCO₂e in Year-1.</p> <p>Reserve funding will cover 100% of the Year 1 cost of this 3-year project.</p> <p>Relevant HCAS Actions Climate Impact Adaptation Plan Action 9.4: Develop an educational campaign directed at restaurant and grocery industries, local farms and other possible food sources to better reduce and divert food waste and explore opportunities to reduce food waste.</p>	
<p>Affordable Housing Acquisition Plan Retrofits (Healthy & Safe Communities - Housing Secretariat Division)</p>	<p>The City’s Housing Secretariat intends to use projects in the Affordable Housing Acquisition Pipeline to achieve climate-focused and energy-efficient objectives while preserving low-rent units. Funding from the CCR will assist with the cost of the renovations needed for energy efficiency and will also support the affordability of the units.</p> <p>Reserve funding will cover 100% of the cost of this project.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: Action 4.0: Develop and integrate City-wide new green development standards Action 5.0: Install solar PV on new and existing buildings. Climate Impact Adaptation Plan: Action 1.2: : Develop guidelines and incentives for homeowners and landlords to improve the resilience of residential buildings to climate-related risks through upgrades and/or retrofits. Action 3.4: : Align ongoing efforts within the City to continue expanding affordable housing to protect vulnerable populations</p>	<p>\$400,000</p>

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	to reduce climate-related impacts from extreme weather and temperatures	
<p>Tree Canopy & Industry Initiative (Public Works – Environmental Services Division)</p>	<p>This City initiative is a 3-year capacity building and tree planting program delivered in partnership with Tree Canada. Funding will enable Tree Canada to develop the business relationships needed to plant trees in heavily industrial and commercial areas of Hamilton. The initiative will build Tree Canada’s capacity to connect industrial and commercial landowners with local community organizations, fostering collaboration and securing resources to implement canopy expansion projects.</p> <p>Reserve funding will fund 100% of the capacity-building costs during Year 1 of this initiative.</p> <p>Relevant HCAS Actions Community Energy & Emissions Plan: <u>Action 23:</u> Set a target of 50,000 trees planted per year within City boundaries. Climate Impact Adaptation Plan: <u>Action 8.1:</u> Work with local partners to continue tree planting and preservation, explore community partnerships and naturalization programs to reduce urban heat island and enhance ecosystem function. <u>Action 8.2:</u> Implement the Urban Forest Strategy (UFS) and consider additional measures to support it or expand its impact.</p>	<p>\$250,000</p>
<p>TOTAL RECOMMENDED RESERVE ALLOCATIONS</p>		<p>\$3,262,200</p>