



2024 City-Led Projects Recommended for Climate Change Reserve Funding

Evaluation of 2024 Climate Change Reserve Applications:

Applications were evaluated using a scoring system based on key considerations including:

- Compliance with Climate Change Reserve Policy;
- Support for mitigation and/or adaptation actions found in Hamilton's Climate Action Strategy;
- Estimated greenhouse gas emission reductions for climate mitigation projects;
- Qualitative and/or quantitative measure of enhanced climate resilience for climate adaptation projects; and
- Description of any co-benefits and consideration of how the project contributes to the realization of community climate justice.

Staff Recommended List of City-led Projects

- 13 city-led projects are being recommended by staff to receive Climate Change Reserve funding from the 2024 Reserve allocation.
- Projects include mitigation initiatives, actions that will bring mitigation and adaptation outcomes, and requests for support to undertake feasibility assessments for both mitigation and adaptation efforts.
- Mitigation projects will bring estimated greenhouse gas emission reductions of 6,864 tCO₂e/year, representing an 8.7% reduction in the 2023 corporate greenhouse gas emissions inventory.
- The community Climate Change Advisory Committee reviewed the list and raised concerns about the lack of community-focused adaptation projects, the need for more funding for community initiatives, and asked to be involved earlier and more directly in the project review process. The Committee did not formally endorse or oppose the project list but voted to send a delegation to GIC to share their concerns.

Staff Recommended List of City-led Projects

CLIMATE MITIGATION INITIATIVES	
Project and Applicant	Funding
Macassa Lodge B Wing Expansion Climate Resilience Measures (Office of Energy Initiatives, Public Works)	\$200,000
Recreation Centre Pool Heat Reclamation (Office of Energy Initiatives, Public Works)	\$225,000
EcoDiesel Fuel Replacement Program (Fleet Services, Public Works)	\$185,000
Solar Powered Ambulance Fleet (Hamilton Paramedic Services)	\$240,000
Electric Street Sweeper (Transportation Division, Public Works)	\$120,000
Electric Maintenance Vehicles (Transportation Division, Public Works)	\$403,000

Staff Recommended List of City-led Projects

CLIMATE MITIGATION/ADAPTATION INITIATIVES	
Project and Applicant	Funding
Making Not-For-Profit Housing Climate Resilient (Housing Secretariat, Healthy & Safe Communities)	\$250,000
Development Incentive Program for Bayfront Industrial Area (Economic Development Division, Planning & Economic Development)	\$250,000
Low Impact Development/ Green Standards Training & Implementation (Growth Management Division, Planning & Economic Development)	\$50,000
'If Trees Could Talk' Public Education Initiative (Forestry & Horticulture, Public Works)	\$28,500

Staff Recommended List of City-led Projects

FEASIBILITY STUDIES	
Project and Applicant	Funding
Air Conditioning in Hamilton Rental Housing – Feasibility Case Study (CityHousing Hamilton)	\$150,000
Fleet Services Electric Vehicle & GRID – Feasibility Assessment (Office of Energy Initiatives, Public Works)	\$150,000
Organics Management – Phase 2 Feasibility Study (Waste Management Division, Public Works)	\$250,000

Office of Climate Change Initiatives Priority Focus Areas

Project Title	Funding
Carbon Budget and Accounting Framework: <ul style="list-style-type: none">• Q2 2025 – staff report with community and corporate carbon budgets, draft accounting framework and implementation plan to Council• Q3 – Q4 2025 – on-going staff training in lead up to full implementation of framework for 2026 Budget Cycle	\$240,000
Net Zero Energy Performance Standard for New Municipal Buildings: <ul style="list-style-type: none">• Q3 2025 – staff report to Council on feasibility of and approach to implementing standard by 2026 or sooner.	\$125,000

Climate Change Reserve – 2023 City-Led Projects

Project	Description
E-Bike Pilot for Hamilton Bike Share	Purchase of 100 e-bikes and equipment to support the e-bikes, to enable a 3-year Bike Share E-Bike pilot in Hamilton.
Municipal Parking Lot Greening/ Climate Adaptation	Pilot different porous asphalts, support greening with tree and native plant installation, and incorporate bike parking and street furniture.
Enhance/Expand Secure Bike Parking Facilities	Enhance existing secure bike parking facilities and establish new secure bike parking facilities at transit hubs and major destinations
De-paving Pilot Project	Undertake targeted de-paving initiatives on City-owned lands, including boulevards and streets, to provide and test strategies for enhanced stormwater retention, tree canopy coverage, and urban greening.
Fire Truck Anti-Idling Technology	Purchase and install battery-powered auxiliary power units (APUs) on 15 existing heavy fire vehicles to reduce idling by up to 45% and overall engine use by up to 15%, reducing greenhouse gas emissions by up to 18 tCO ₂ e/yr per vehicle.
Electrical Upgrades to Accommodate EV Charging at City Facilities	Electrical capacity upgrades are required at municipal facilities to enable the installation of charging stations in 15 City facilities. Upgrades will enable the recharging of city fleet EVs that have already been purchased and/or funded.

RECOMMENDATION

- (a) That the allocation of funds in the total amount of \$2,501,000 million dollars in 2024 from the City's Climate Change Reserve (Account No 108062) in order to support 13 City-led climate action initiatives, as identified in Appendix "A" to Report PED24165, be approved;
- (b) That the update regarding the 2024 Climate Change Reserve funding allocations for Office of Climate Change Initiatives priority projects, attached as Appendix "B" to Report PED24165, be received;
- (c) That the update regarding progress with City-led and community-led initiatives that received support from the City's Climate Change Reserve in 2023, attached as Appendix "C" to report PED24156, be received.



Hamilton

THANK YOU