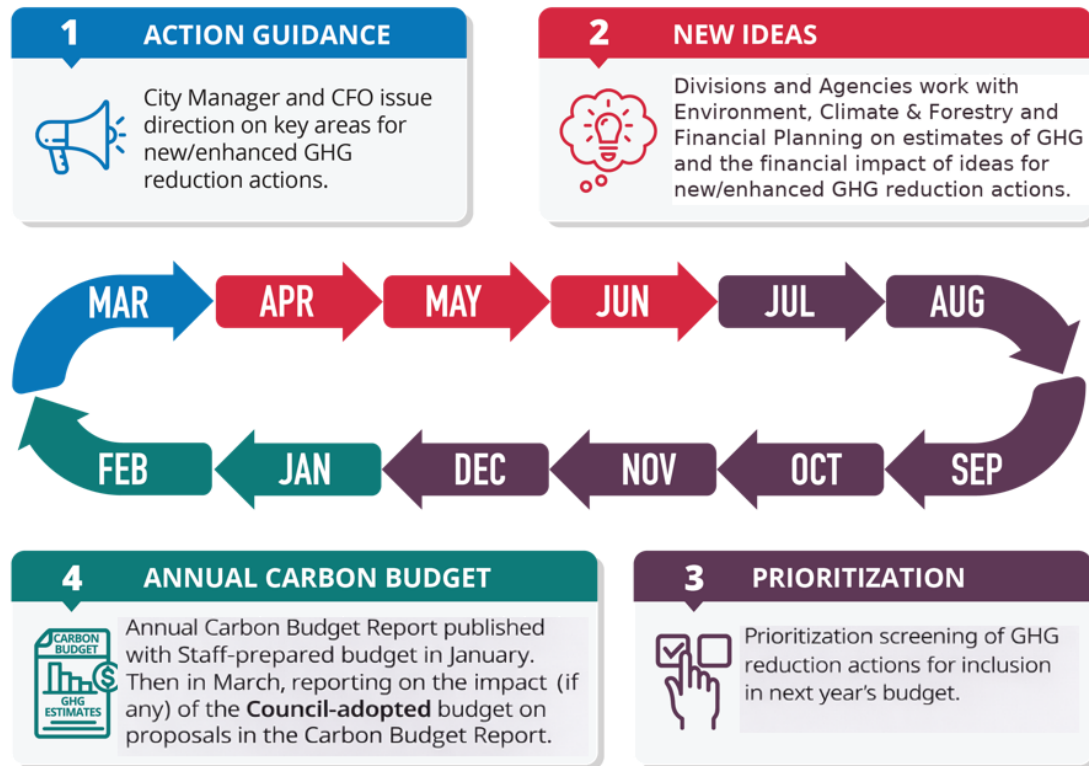


Appendix B – Carbon Budget Prioritization

The Carbon Budget Prioritization is a new process, adopted by Toronto City Council as part of the codified Carbon Budget Accountability system (2023), implemented in 2024. The process is made up of a consistent set of steps and technical guidance used by City Divisions, Agencies and Corporations to identify and prioritize GHG reduction actions for submission to the City's Staff Prepared Budget.

The figure below depicts the annual Carbon Budget cycle:



Carbon Budget Actions – 2025 vs. 2026

Carbon budget actions submitted for the 2025 and 2026 budget cycles demonstrate continued uptake of the City's prioritization framework and growing alignment with the TransformTO Net Zero Strategy. In 2025, Divisions, Agencies, and Corporations submitted 112 new or enhanced GHG reduction actions, of which 54 were screened in during this first year of the prioritization process. Ultimately, 31 actions were included in the 2025 Budget, with an estimated annual GHG reduction impact of approximately 244,615 tonnes CO₂e once fully implemented.

For 2026 Budget, 9 Divisions, Agencies, and Corporations proposed 95 new or enhanced actions to reduce GHGs, of which 45 were screened in for assessment of GHG reduction potential and financials.¹ From this, 35 actions are included in the 2026 Staff Prepared Capital and Operating Budget, with an estimated annual GHG reduction impact of 64,267 t CO₂e in 2026, growing to 217,914 t CO₂e annually, subject to the actions being fully funded and implemented.

Submissions in 2026 are more focused than in the previous year and primarily comprise of large scale Corporate initiatives such as major building retrofits, transit and fleet electrification, and other energy intensive capital projects. This reflects a dedication by Divisions and Agencies on planning processes and clearer identification of high impact opportunities.

There is strong continuity between the two years. There were 25 actions identified through the 2025 Carbon Budget Process that were resubmitted and screened in for 2026, either because they could not be accommodated within the 10-year capital plan due to financial constraints or because additional information is now available to support re-assessment. This reflects sustained interest in advancing decarbonization initiatives and the multiyear nature of major capital projects.

HIGH PRIORITY

Environment, Climate and Forestry (ECF) assessed 30 proposals as “high priority” based on their importance to the TransformTO Net Zero Strategy, as measured through the presence of a “high” score on at least one of three criteria:

- i. direct GHG reduction potential (high: 50-1000s t CO₂e annually);
- ii. indirect (enabling) GHG reduction potential (high: qualitative assessment); or
- iii. contribution to an inclusive and equitable net zero transition (high: qualitative assessment using framework similar to high/medium/low impact in 2025-26 Equity Responsive Budgeting manual, adapted to net zero context).

All proposals were subjected, as required, to [Capital Prioritization Framework](#). The “high priority” designations for new/enhanced actions in the Carbon Budget process carried through to the climate aspect of the Capital Prioritization Framework, as applicable.

The 30 high priority proposals, if fully funded and implemented, are expected to achieve significant annual GHG reductions of 234,202 t of CO₂e, with the majority of reductions coming from corporate sources such as buildings and fleet vehicles.

Ultimately, 26 high priority proposals were included in the 2026 Budget, representing a capital investment of \$310.72 million and delivering an estimated 64,646 t CO₂e in annual GHG reductions in 2026.

¹ Proposed actions were screened out if they: (i) are already accounted for in a baseline GHG reduction action; or (ii) have no or trivial potential impact on emission reductions and the TransformTO Net Zero Strategy.

Emission reductions from these new/enhanced actions would be *additional* to those expected from baseline projects and programs the City is already implementing or planning to implement. Therefore, implementation of the high priority proposals would represent an important acceleration of progress toward Council's 2030 GHG reduction goals and better position the City for achieving net zero Corporate emissions by 2040. Finally, this pipeline of new/enhanced proposals would also support future Green Bond issuances which are a notable financial co-benefit for the City.

MEDIUM PRIORITY

Environment, Climate and Forestry assessed 8 proposals as “medium priority” based on their importance to the TransformTO Net Zero Strategy, as measured through the presence of a “medium” score on at least one of three criteria:

- i. direct GHG reduction potential (medium: 10-50s t CO₂e annually);
- ii. indirect (enabling) GHG reduction potential (medium: qualitative assessment); or
- iii. contribution to an inclusive and equitable net zero transition (medium: qualitative assessment using framework similar to high/med/low impact in 2025-26 Equity Responsive Budgeting manual, adapted to net zero context).

The 8 medium priority proposals total an estimated annual GHG reduction of 978 t CO₂e once fully funded and implemented.

Ultimately, 3 of the medium priority proposals were included in the 2026 Budget representing an investment of \$0.43 million and delivering an estimated 20 t CO₂e in annual GHG reductions in 2026.

LOW PRIORITY

Environment, Climate and Forestry assessed 1 proposal as “low priority” based on their importance to the TransformTO Net Zero Strategy, as measured through the presence of a “low”

score on at least one of three criteria:

- i. direct GHG reduction potential (low: <10 t CO₂e annually);
- ii. indirect (enabling) GHG reduction potential (low: qualitative assessment); or
- iii. contribution to an inclusive and equitable net zero transition (low: qualitative assessment using framework similar to high/med/low impact in 2025-26 Equity Responsive Budgeting manual, adapted to net zero context).

There is one low priority proposal included in the 2026 Budget, with a capital budget requirement of \$2.06 million.

ADDITIONAL PROPOSALS

Environment, Climate and Forestry also screened in additional 6 proposals for GHG reduction potential but were not prioritized due to data limitations at time of review.

The 6 proposals have an estimated annual GHG reduction of approximately 140 t CO₂e once fully funded and implemented, with a capital budget requirement of \$24.47 million in 2026.

Ultimately, 5 of the additional proposals were included in the 2026 Budget.

Proposals by Sector of the New or Enhanced GHG reduction actions submitted in 2026 Carbon Budget

COMMUNITY BUILDINGS

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	High-Rise Retrofit Improvement Support Program	Buildings	Housing Secretariat	No	4.00	10.00	-	448	2027

CORPORATE BUILDINGS

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff Prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Energy Efficiency Retrofit	Buildings	Toronto Transit Commission	Yes	5.21	22.65	-	1,700	N/A
High	Housing and Shelter Infrastructure Development (HSID)	Buildings	Toronto Shelter and Support Services	Yes	8.50	33.99	7.30	64	2027

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff Prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	RPEI District Energy - satellite plant expansion (block 16N)	Buildings	Toronto Housing Corporation	Yes	8.87	18.02	-	1,000	2026
High	Decarbonization of Facilities	Buildings	Toronto Transit Commission	Yes	24.06	110.58	-	4,900*	2028
Low	Digital Workspace Platform	Buildings	Toronto Transit Commission	Yes	2.06	2.40	-	N/A	N/A
-	Renewable Energy Generation	Buildings	Toronto Transit Commission	Yes	1.89	15.07	-	140*	N/A
High	RPEI District Energy	Buildings	Toronto Housing Corporation	No	-	60.00	-	10,000	2029
High	RPEI District Energy - Wastewater Energy	Buildings	Toronto Housing Corporation	No	-	200.00	-	5,000	2028
High	Program for TCH buildings for deep retrofits and decarbonization	Buildings	Toronto Housing Corporation	No	1.00	66.00	1.08	1,000	2026
Medium	Heat pumps installation at 575 Adelaide St W	Buildings	Toronto Housing Corporation	No	0.40	4.00	-	10	2029
Medium	Heat pumps installation at 1087 Davenport	Buildings	Toronto Housing Corporation	No	0.80	2.70	-	10	2029

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff Prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
Medium	Scale-Up: Buildings Retrocommissioning Program	Buildings	Toronto Housing Corporation	No	1.00	8.25	1.08	N/A	N/A
Medium	Solar PV (roof top + car ports)	Buildings	Toronto Housing Corporation	No	1.50	10.75	0.54	41	2026

*This is subject to the action(s) being fully funded and implemented.

CORPORATE TRANSPORTATION

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Addressing Aging Backlog	Transportation	Fleet Services	Yes	0.46	21.97	-	84	2026
High	Micromobility program and supports	Transportation	Fleet Services	Yes	0.53	2.63	-	N/A	N/A
High	Pilot: Hydrogen Fuel Cell Technology	Transportation	Fleet Services	Yes	0.60	4.50	-	48	2026
High	Energy Management System	Transportation	Toronto Transit Commission	Yes	1.35	2.45	-	see eBus – Purchase	

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Hybrid Bus – Purchase	Transportation	Toronto Transit Commission	Yes	1.75	192.80	-	see eBus – Purchase	
High	Zero Emission Zoomobiles	Transportation	Toronto Zoo	Yes	2.00	-	-	246	2028
High	Electric WT Buses Purchase	Transportation	Toronto Transit Commission	Yes	3.91	7.06	-	2,800*	2026
High	Energy Storage System	Transportation	Toronto Transit Commission	Yes	5.36	8.98	-	see eBus – Purchase	
High	ZEV Charging Infrastructure	Transportation	Fleet Services	Yes	6.78	100.28	-	N/A	N/A
High	Electric WT Charge Systems – Purchase	Transportation	Toronto Transit Commission	Yes	8.21	11.37	-	see Electric WT Buses Purchase	
High	eBus Charging Systems – Purchase	Transportation	Toronto Transit Commission	Yes	71.04	560.52	-	see eBus – Purchase	
High	eBus – Purchase	Transportation	Toronto Transit Commission	Yes	159.14	683.75	-	60,000*	2026
Medium	Staff E-bike Fleet Purchases	Transportation	Toronto Zoo	Yes	-	-	0.04	N/A	N/A
-	Bus Lane Implementation	Transportation	Toronto Transit Commission	Yes	3.25	29.13	-	N/A	N/A

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
-	Transit Priorities	Transportation	Toronto Transit Commission	Yes	10.31	48.84	-	N/A	N/A
-	Opportunities to Improve Transit Services -Transit Priority Measures	Transportation	Toronto Transit Commission	Yes	-	-	-	N/A	N/A
-	Parking (Employee / Customer) Charge Systems - Purchase	Transportation	Toronto Transit Commission	Yes	-	-	-	N/A	N/A
-	Electric OSV Charge Systems – Purchase	Transportation	Toronto Transit Commission	No	9.03	12.51	-	N/A	N/A

*This is subject to the action(s) being fully funded and implemented.

COMMUNITY / CORPORATE WASTE

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff Prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Humber WWTP - Effluent Filtration and Heat Recovery Project	Buildings	Toronto Water	Yes	-	36.98	-	2,408	2034

High	Organic Waste Composter	Buildings	Toronto Zoo	Yes	-	-	0.14	69	2027
Medium	Waste Management Station	Waste	Toronto Zoo	Yes	-	-	0.06	20	2027

CROSS-SECTOR

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Toronto Climate Leaders Program	-	Toronto & Region Conservation Authority	Yes	0.04	0.14		N/A	N/A
High	Climate Ready Homes	-	Toronto & Region Conservation Authority	Yes	0.05	0.17		N/A	N/A
High	Reducing Emissions in Construction Sector	-	Toronto & Region Conservation Authority	Yes	0.18	0.32		215	2026
High	Fleet Transition Accelerator	-	Toronto & Region Conservation Authority	Yes	0.18	0.39		N/A	N/A

ECF Priority Sort	Project Name	Emissions Sector	Responsible	Included in 2026 Staff prepared Budget	Capital (\$ millions)		Operating (\$ millions)	Emissions	
					2026 Capital Budget	Capital Plan 2026 - 2035	Operating Budget Impact	GHG Reduction (est.) (t CO ₂ e)	Year when GHG reductions start
High	Solid Waste Management Services GHG Emissions Inventory	-	Solid Waste Management Services	Yes	0.32	0.45		N/A	N/A
High	Climate Change Mitigation & Adaptation Studies	-	Toronto Transit Commission	Yes	2.21	11.46	-	N/A	N/A
High	Clean Fuel Regulation Credits (CNG & RNG)	-	Solid Waste Management Services	Yes	-	-	(0.27)	N/A	N/A
High	Horticulture Lawn Mower Equipment Upgrades	-	Toronto Zoo	Yes	-	-	0.06	120	2026
Medium	Food Production Plan	-	Toronto Zoo	Yes	-	-	0.33	N/A	N/A
Medium	Plant Forward Program	-	Toronto Shelter and Support Services	No	-	2.00	-	897	2026

Further detail of Actions

COMMUNITY BUILDINGS

PROJECT/PROGRAM PROPOSAL:

[High-Rise Retrofit Improvement Support Program](#)

ACTION: [High-Rise Retrofit Improvement Support Program \(HI-RIS\)](#)

ECF Priority Sort: *High*

Included in Staff proposed 2026 Budget: *No*

Description: The High-Rise Retrofit Improvement Support Program (Hi-RIS) program makes low-cost financing available for owners of older residential apartment buildings to make improvements that reduce energy and water consumption. Buildings must conduct an energy audit to support projected GHG reductions, and then their performance is measured after one year to confirm emissions and/or energy reductions.

GHG Reduction Commentary

- Estimated GHG reductions of four projects, with the anticipated GHG savings between 20 and 448 tonnes of CO₂e once all projects are completed in 2027.

CORPORATE BUILDINGS

PROJECT/PROGRAM PROPOSAL:

[Energy Efficiency Retrofit](#)

ACTION: [Net Zero Carbon Plan - Fuel switching + Efficiency retrofits](#)

ECF Priority Sort: *High*

Included in Staff proposed 2026 Budget: *Yes*

Description: This program aims to upgrade energy-consuming systems in TTC buildings, as well as portable and permanent maintenance equipment and tools, to improve energy efficiency and transition from fossil fuel power sources to low and no emissions sources, such as electricity. These projects may include but are not limited to: upgrading lighting fixtures to LED, installing or upgrading sensors and adjusting set points, improving the efficiency of mechanical equipment, and implementing energy monitoring capabilities.

GHG Reduction Commentary

- Estimates include savings from energy conservation measures for natural gas consuming equipment and electricity reductions from LED retrofits. Total annual GHG emissions reductions are estimated at approximately 1,700 t CO₂e.

PROJECT/PROGRAM PROPOSAL:

[Housing and Shelter Infrastructure Development \(HSID\)](#)

ACTION: [Net Zero Carbon Plan- Toronto Green Standard \(corporate\)](#)

ECF Priority Sort: High

Included in Staff proposed 2026 Budget: Yes

Description: Following Council's direction to create 1,000 new shelter beds, the existing women's drop-in centre will be converted into a 75-bed shelter for single Indigenous men, with construction planned for 2026–2027. The project will be renovated to meet the City's Toronto Green Standard. While funding exists, a shortfall is anticipated, partly due to net zero requirements.

GHG Reduction Commentary

- Estimated GHG reductions of 64 t CO₂e will be achieved once project is complete.

PROJECT/PROGRAM PROPOSAL:

[RPEI District Energy - satellite plant expansion \(block 16N\)](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: The successful redevelopment of Regent Park includes a modern district energy system. The existing plant at 252 Sackville is approaching capacity. Secondary plant is being constructed at 175 Oak to serve both new TCH and private buildings.

GHG Reduction Commentary

- Estimated GHG reductions of 1,000 t CO₂e will be achieved once project is completed in 2026.

PROJECT/PROGRAM PROPOSAL:

[Decarbonization of Facilities](#)

ACTION: [Net Zero Carbon Plan - Fuel switching + Efficiency retrofits](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: This program includes activities and projects aimed at reducing GHG emissions from TTC buildings. Key opportunities for emissions reduction include electrifying natural gas-based heating and ventilation systems, upgrading to more efficient equipment, and optimizing equipment operations.

GHG Reduction Commentary

- The emissions estimate assumes a baseline equal to the total annual natural gas usage from historical 2019–2024 utility data across all TTC buildings that consume natural gas. Deep retrofits are projected to achieve a 90% reduction in natural gas usage at each building through electrification. Estimated GHG savings are calculated by comparing the annual baseline natural gas emissions to those resulting from post retrofit residual natural gas use and the additional electricity demand.
- Emissions reductions are expected to begin in 2028, with three buildings undergoing deep retrofits each year through to 2035, achieving an estimated 4,900 t CO₂e in annual GHG reductions.

PROJECT/PROGRAM PROPOSAL:

[Digital Workspace Platform](#)

ACTION: [Workplace Modernization Program](#)

ECF Priority Sort: Low

Included in Staff prepared 2026 Budget: Yes

Description: TTC's Workplace Transformation Program (WTP), an implementation action under the City's Workplace Modernization Program, will consolidate nine leased TTC offices into City of Toronto office space.

GHG Reduction Commentary

- The annual GHG emissions reduction in TTC's corporate emissions from leased spaces over 2026–2035 is approximately 1,200 t CO₂e/year.

PROJECT/PROGRAM PROPOSAL:

[Renewable Energy Generation](#)

ACTION: [Net Zero Carbon Plan - Fuel switching + Efficiency retrofits](#)

ECF Priority Sort: -

Included in Staff prepared 2026 Budget: Yes

Description: On-site renewable energy generation reduces GHG emissions and transmission losses associated with grid electricity. Beginning in 2026, TTC will initiate feasibility studies and concept designs for photovoltaic (PV) installations on four rooftops and two carports, with generation expected to begin in 2030. Additional PV sites, including four rooftops and two carports, are planned for 2030–2032, with emissions reductions occurring after design.

GHG Reduction Commentary

- The total anticipated annual GHG emission reductions from 2026 to 2035 is approximately 140 t CO₂e/year.

PROJECT/PROGRAM PROPOSAL:

[RPEI District Energy](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: No

Description: This project involves assessing the feasibility of decarbonizing the completed Regent Park buildings in Phases 1–3. The opportunity involves right-sizing a future sewer-energy recovery system so it can serve the new Phase 4–5 developments while also providing baseload energy to Phases 1–3, achieving an estimated 25% GHG reduction in existing buildings.

GHG Reduction Commentary

- Estimated GHG reductions of 10,000 t CO₂e will be achieved once project is complete in 2029.

PROJECT/PROGRAM PROPOSAL:

[RPEI District Energy - Wastewater Energy](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: No

Description: This project is the expansion of a third energy plant—potentially incorporating sewer-energy recovery technologies—to support Phases 4 and 5 of the Regent Park redevelopment along the south side of Gerrard Street. The ongoing revitalization of Regent Park includes a modern district energy system that will serve new buildings and support long-term sustainability goals.

GHG Reduction Commentary

- Estimated GHG reductions of 5,000 t CO₂e will be achieved once project is complete in 2028.

PROJECT/PROGRAM PROPOSAL:

[Program for TCH buildings for deep retrofits and decarbonization](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: No

Description: This initiative will develop a program to decarbonize large TCH buildings. The first phase involves working with Toronto Hydro to determine required electrical service upgrades and associated costs, and optimizing carbon-abatement strategies through heat-pump technologies, including air-source, geothermal, and other high-efficiency systems.

GHG Reduction Commentary

- Estimated GHG reductions of 1,000 t CO₂e at full implementation.

PROJECT/PROGRAM PROPOSAL:

[Heat pumps installation at 575 Adelaide St W](#)

ACTION: [Net Zero Carbon Plan - Fuel switching + Efficiency retrofits](#)

ECF Priority Sort: Medium

Included in Staff prepared 2026 Budget: No

Description: This project involves the ongoing retrofit and renewal of a multi-unit mid-rise building. The funding request supports the installation of electric heat pumps to improve energy efficiency, reduce GHG emissions, and enhance resilience, including eliminating resident exposure to extreme heat.

GHG Reduction Commentary

- Estimated GHG reductions of 10 t CO₂e at full implementation.

PROJECT/PROGRAM PROPOSAL:

[Heat pumps installation at 1087 Davenport](#)

ACTION: [Net Zero Carbon Plan - Fuel switching + Efficiency retrofits](#)

ECF Priority Sort: Medium

Included in Staff prepared 2026 Budget: No

Description: This project involves the ongoing retrofit and renewal of a 9-unit residential complex. The funding request supports the installation of electric heat pumps to improve energy efficiency, reduce GHG emissions, and enhance resilience, including eliminating resident exposure to extreme heat.

GHG Reduction Commentary

- Estimated GHG reductions of 10 t CO₂e at full implementation.

PROJECT/PROGRAM PROPOSAL:

[Scale-Up: Buildings Retrocommissioning Program](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: Medium

Included in Staff proposed 2026 Budget: No

Description: Develop and implement a program to recommission large TCH buildings equipped with Building Automation Systems (BAS). Recommissioning is a cost-effective approach to reducing energy use, lowering GHG emissions, and avoiding utility costs. More than 150 TCH buildings have BAS and are eligible for this program.

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

PROJECT/PROGRAM PROPOSAL:

[Solar PV \(roof top + car ports\)](#)

ACTION: [TCHC - Energy Efficiency Action Plan](#)

ECF Priority Sort: *Medium*

Included in Staff prepared 2026 Budget: *No*

Description: Installation of solar PV systems to provide renewable energy, reduce GHG emissions, avoid utility costs, and increase local energy generation. The program targets up to 1 MW of new solar capacity per year and includes both ballasted rooftop systems and carport installations over surface parking areas.

GHG Reduction Commentary

- Estimated GHG reductions of 41 t CO₂e per 1 MW of solar deployed.

CORPORATE TRANSPORTATION

PROJECT/PROGRAM PROPOSAL:

[Addressing Aging Backlog](#)

ACTION: [Sustainable City Fleets](#)

ECF Priority Sort: *High*

Included in Staff prepared 2026 Budget: *Yes*

Description: This action aims to replace the aging fleet of vehicles that contribute disproportionately to GHG emissions, as they rely on outdated technology that no longer meets current standards.

GHG Reduction Commentary

- The emission reduction may potentially be an over/underestimate based on the on the number of vehicles that will be replaced in 2026 and variation on specification of the new vehicles.

PROJECT/PROGRAM PROPOSAL:[Micromobility program and supports](#)**ACTION:** [Sustainable City Fleets](#)**ECF Priority Sort:** *High***Included in Staff prepared 2026 Budget:** *Yes*

Description: Assessing and supporting implementation of micromobility options (bikes, LSVs) to replace trips/vehicles in relevant operations

GHG Reduction Commentary

- Estimated GHG reductions not available at this time.

PROJECT/PROGRAM PROPOSAL:[Pilot: Hydrogen Fuel Cell Technology](#)**ACTION:** [Sustainable City Fleets](#)**ECF Priority Sort:** *High***Included in Staff prepared 2026 Budget:** *Yes*

Description: Pilot one hydrogen fuel cell unit within a building energy site to test operational feasibility and the concept of alternatives to traditional internal combustion engines and battery-electric vehicles.

GHG Reduction Commentary

- The GHG reduction is calculated using the average fuel consumption across the entire fleet and the vehicles being replaced by hydrogen-powered ones.
- The emission reduction may potentially be an over/underestimate based on the variation in fuel consumption among vehicles.

PROJECT/PROGRAM PROPOSAL:[Energy Management System](#)**ACTION:** [Green Bus Program](#)**ECF Priority Sort:** *High***Included in Staff prepared 2026 Budget:** *Yes*

Description: An Energy Management System (EMS) provides centralized planning, monitoring and control of energy use across chargers for fleet operations. It tracks performance indicators, optimizes charging through load management, monitors energy consumption for continuous improvement, and delivers detailed analytics. EMS also offers visibility and control at garages, with automated software protection to prevent depot power draw from exceeding set limits. Its load balancing, peak-shaving capabilities, and ability to control the Energy Storage System (ESS) not only protect electrical systems but also reduce energy costs.

GHG Reduction Commentary

- This action enables the Green Bus program so reductions are seen in the action, eBus – Purchase.

PROJECT/PROGRAM PROPOSAL:

Hybrid Bus – Purchase

ACTION: Green Bus Program

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: This program includes the procurement of hybrid buses that has improved fuel consumption and by associated reduced GHG emissions compared to conventional hybrid buses.

GHG Reduction Commentary

- This action enables the Green Bus program so reductions are seen in the action, eBus – Purchase.

PROJECT/PROGRAM PROPOSAL:

Zero Emission Zoomobiles

ACTION: Sustainable City Fleets

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: This action involves the transition of the Toronto Zoo's fleet of 6 Zoomobiles to zero emission options.

GHG Reduction Commentary

- Note that emissions reduction is based on the operation of the existing Zoomobiles.
- The emission reduction may potentially be an over/underestimate based on the variation in electricity efficiency of new electric vehicles.

PROJECT/PROGRAM PROPOSAL:

Electric WT Buses Purchase

ACTION: Green Bus Program

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: This program includes the procurement of lower- and zero emissions TTC para-transit buses, including gasoline electric vehicles, as part of the replacement of diesel vehicles and transition to a fully zero-emissions fleet.

GHG Reduction Commentary

- The total anticipated annual GHG emission reductions from 2026 to 2035 is approximately 6,000 t CO₂e/year.
- GHG reduction estimates are based on annual average of the 10-year cumulative GHG emission difference in emissions between the forecasted electric and gasoline vehicle fleet and a 2017 baseline diesel vehicle fleet operating the equivalent kilometers. Actual annual emission reductions will be larger in future years as a result of rising share of electric vehicles in the fleet.

PROJECT/PROGRAM PROPOSAL:

[Energy Storage System](#)

ACTION: [Green Bus Program](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: The TTC is completing concept designs for Energy Storage Systems (ESS) at three facilities to reduce Global Adjustment charges by shifting loads to avoid grid consumption during peak hours, as well as utilizing the systems for backup power during grid disruptions. TTC anticipates implementation completion of the first ESS installation by 2029.

GHG Reduction Commentary

- This action enables the Green Bus program so reductions are seen in the action, eBus – Purchase.

PROJECT/PROGRAM PROPOSAL:

[ZEV Charging Infrastructure](#)

ACTION: [Sustainable City Fleets](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: Deployment of electric vehicle charging infrastructure across key fleet operation sites, including higher-capacity chargers to support medium- and heavy-duty vehicles. This initiative aligns with the City's fuel and energy strategy to reduce GHG emissions, lower fuel costs, and enhance operational sustainability.

GHG Reduction Commentary

- Estimated GHG reductions not available at this time.

PROJECT/PROGRAM PROPOSAL:

[Electric WT Charge Systems – Purchase](#)

ACTION: [Green Bus Program](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: The program implements electric charging infrastructure to support the transition of the Wheel-Trans fleet to zero-emissions vehicles to meet the City of Toronto's Sustainable Fleet Targets.

GHG Reduction Commentary

- This action enables the Electric Wheel-Trans Bus purchase program so reductions are seen in that action.

PROJECT/PROGRAM PROPOSAL:

[eBus Charging Systems – Purchase](#)

ACTION: [Green Bus Program](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: The program implements electric charging infrastructure to support the transition of the bus fleet to zero-emissions vehicles to align with the City of Toronto's Sustainable Fleet Targets.

GHG Reduction Commentary

- This action enables the Green Bus program so reductions are seen in the action, eBus – Purchase.

PROJECT/PROGRAM PROPOSAL:

[eBus – Purchase](#)

ACTION: [Green Bus Program](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: The Green Bus Program is a procurement strategy to transition the TTC bus fleet to become zero-emissions to align with the City of Toronto's Sustainable Fleet Targets. It includes the procurement of hybrid buses or electric buses (eBuses) to replace ageing diesel vehicles.

GHG Reduction Commentary

- The total anticipated annual GHG emission reductions from 2026 to 2035 is approximately 130,000 t CO₂e/year.

- GHG reduction estimates are based on annual average of the 10-year cumulative GHG emission difference in emissions between the forecasted electric and hybrid vehicle fleet and a 2017 baseline diesel vehicle fleet operating the equivalent kilometers. Actual annual emission reductions will be larger in future years as a result of rising share of electric vehicles in the fleet.

PROJECT/PROGRAM PROPOSAL:

[Staff E-bike Fleet Purchases](#)

ACTION: [Sustainable City Fleets](#)

ECF Priority Sort: *Medium*

Included in Staff prepared 2026 Budget: *Yes*

Description: The Staff E-Bike Fleet Purchase Project will improve on-site staff mobility, reduce carbon emissions, and promote sustainable transportation through the purchase of 10 electric bicycles and associated charging stations and safety equipment. The e-bikes will be available for staff use during work hours, reducing reliance on internal-combustion vehicles for short trips across the Zoo's extensive grounds.

GHG Reduction Commentary

- Estimated GHG reductions are not available at this time.

PROJECT/PROGRAM PROPOSAL:

[Bus Lane Implementation](#)

ACTION: [Enabler- Corporate Transportation](#)

ECF Priority Sort: *-*

Included in Staff prepared 2026 Budget: *Yes*

Description: Implementation of dedicated bus lanes to prioritize transit vehicles, improve service reliability, and encourage ridership by shifting people from higher-emission modes (such as personal vehicles) to lower-emission modes (such as public transit).

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

PROJECT/PROGRAM PROPOSAL:[Transit Priorities](#)**ACTION:** [Enabler- Corporate Transportation](#)**ECF Priority Sort:** -**Included in Staff prepared 2026 Budget:** Yes

Description: Installation of new transit signal priority equipment at existing or new signalized intersections to reduce delays and improve service reliability. This initiative reduces emissions by prioritizing transit vehicles and supporting a shift to lower-emission travel modes.

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

PROJECT/PROGRAM PROPOSAL:[Opportunities to Improve Transit Services -Transit Priority Measures](#)**ACTION:** [Enabler- Corporate Transportation](#)**ECF Priority Sort:** -**Included in Staff prepared 2026 Budget:** Yes

Description: Reduce emissions by prioritizing transit vehicles

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

PROJECT/PROGRAM PROPOSAL:[Parking \(Employee / Customer\) Charge Systems - Purchase](#)**ACTION:** [Enabler- Corporate Transportation](#)**ECF Priority Sort:** -**Included in Staff prepared 2026 Budget:** Yes

Description: Implement electrification infrastructure to support employee adoption of zero-emission vehicles and promote the shift toward sustainable electric mobility. The program includes the design, engineering, procurement, construction, installation, testing, and commissioning of electric charging infrastructure at various TTC facilities.

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

PROJECT/PROGRAM PROPOSAL:

[Electric OSV Charge Systems – Purchase](#)

ACTION: [Enabler - Corporate Transportation](#)

ECF Priority Sort: -

Included in Staff prepared 2026 Budget: No

Description: This program includes the design, engineering, procurement, construction, installation, testing, and commissioning of electric charging infrastructure at various TTC locations to support the transition of the non-revenue fleet to zero emissions.

GHG Reduction Commentary

- Estimated GHG reductions not available at this time

COMMUNITY / CORPORATE WASTE**PROJECT/PROGRAM PROPOSAL:**

[Humber WWTP - Effluent Filtration and Heat Recovery Project](#)

ACTION: [Wastewater treatment facilities - Service rehab and upgrades](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: Detailed design and construction to overhaul the existing effluent filtration system and integrate a new effluent heat recovery system. The current filtration system is at end of life, struggles to meet rated capacity, incurs high operating costs, and is poorly suited to variations in effluent quality. Upgrading the filtration system alongside a new heat recovery system will improve reliability, reduce operating and maintenance costs, and lower energy use associated with recycled water production and plant heating.

GHG Reduction Commentary

- Estimated GHG reductions of 2,408 t CO₂e will be achieved once project is complete in 2034.

PROJECT/PROGRAM PROPOSAL:

[Organic Waste Composter](#)

ACTION: [Enabler - Community & Corporate Waste](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: Installation of an organic waste composter to decompose all organic food waste (~125,978 kg) at the Zoo and generate high-nutrient soil for use on site.

GHG Reduction Commentary

- Estimated GHG reductions of 69 t CO₂e will be achieved once project is complete in 2027.

PROJECT/PROGRAM PROPOSAL:

Waste Management Station

ACTION: Enabler - Community & Corporate Waste

ECF Priority Sort: *Medium*

Included in Staff prepared 2026 Budget: *Yes*

Description: Development of a centralized waste management and sorting station to increase waste diversion and improve operational efficiency. The facility will consolidate all waste handling activities, support higher recycling rates, reduce landfill disposal, provide secure storage for hazardous waste, and demonstrate the Zoo's commitment to sustainability and innovation.

GHG Reduction Commentary

- Estimated GHG reductions of 20 t CO₂e will be achieved once project is complete in 2027.

CROSS-SECTOR

PROJECT/PROGRAM PROPOSAL:

Toronto Climate Leaders Program

ACTION: Enabler – TransformTO

ECF Priority Sort: *High*

Included in Staff prepared 2026 Budget: *Yes*

Description: Delivered by TRCA's Partners in Project Green, the Toronto Climate Leaders Program (TCLP) is designed to empower local private sector leaders in significantly curbing their greenhouse gas (GHG) emissions. This initiative offers a comprehensive package of support, including identifying opportunities and providing implementation assistance. Each year, the program aims to conduct GHG Emissions and Climate Resiliency Site Assessments for 10 facilities, with the potential to expand based on allocated funding.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:[Climate Ready Homes](#)**ACTION:** [Enabler - TransformTO](#)**ECF Priority Sort:** High**Included in Staff prepared 2026 Budget:** Yes

Description: The new Climate Ready Homes Program is a comprehensive, community-driven initiative designed to help homeowners build more sustainable, resilient, and energy-efficient homes. Leveraging TRCA's proven framework and 15 years of community engagement and partnership development, the program provides personalized consultations (in-home and virtual), financial incentives, technical expertise, and hands-on workshops to support residents in adopting key actions across areas such as energy reduction, flood resiliency, emergency preparedness, and more.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:[Reducing Emissions in Construction Sector](#)**ACTION:** [Enabler - TransformTO](#)**ECF Priority Sort:** High**Included in Staff prepared 2026 Budget:** Yes

Description: The Reducing Emissions in the Construction Sector project will test the use of renewable diesel in Toronto and Region Conservation Authority construction vehicles operating within the City of Toronto.

GHG Reduction Commentary

- The GHG reduction is calculated using the annual diesel consumption of off-road fleet and running it on renewable biodiesel.
- The emission reduction may potentially be an over/underestimate based on the variation in the number of vehicles that will run on renewable biodiesel in 2025.

PROJECT/PROGRAM PROPOSAL:[Fleet Transition Accelerator](#)**ACTION:** [Enabler - TransformTO](#)**ECF Priority Sort:** High**Included in Staff prepared 2026 Budget:** Yes

Description: This program supports the transition to low- and zero-emission fleet technologies by providing training, tools, and guidance to improve decision-making and inform long-term strategy development.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:

[Solid Waste Management Services GHG Emissions Inventory](#)

ACTION: [Enabler - TransformTO](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: Study to develop a comprehensive Divisional GHG emissions inventory, identify high-impact and financially feasible actions to reduce the Division's carbon footprint, and assess the requirements for achieving net-zero emissions across operations, buildings, and assets by 2040.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:

[Climate Change Mitigation & Adaptation Studies](#)

ACTION: [Enabler - TransformTO](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: This program conducts benchmarking for sustainable performance of TTC assets including buildings, civil infrastructure, and vehicles for the purpose of identifying measures to improve performance. Sustainable performance includes but is not limited to climate mitigation, climate adaptation, ecological impacts, water and resource consumption.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:

[Clean Fuel Regulation Credits \(CNG & RNG\)](#)

ACTION: [Enabler - TransformTO](#)

ECF Priority Sort: High

Included in Staff prepared 2026 Budget: Yes

Description: Development and sale of Clean Fuel Regulations credits generated from SWMS's use of compressed natural gas (CNG) and production of renewable natural gas (RNG), creating revenue to support SWMS green infrastructure and sustainability projects.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:

[Horticulture Lawn Mower Equipment Upgrades](#)

ACTION: [Enabler - TransformTO](#)

ECF Priority Sort: *High*

Included in Staff prepared 2026 Budget: *Yes*

Description: This project will transition existing equipment/vehicles to low- or zero-emission technologies. This transition supports the City's climate goals, lowers air pollution, and enables cleaner, quieter operations. The initiative will modernize equipment, improve operational performance, and reduce long-term fuel and maintenance costs, while demonstrating leadership in sustainable municipal operations.

GHG Reduction Commentary

- Estimated GHG reductions are based on equipment mechanical specifications and run-time metrics.

PROJECT/PROGRAM PROPOSAL:

[Food Production Plan](#)

ACTION: [Enabler - TransformTO](#)

ECF Priority Sort: *Medium*

Included in Staff prepared 2026 Budget: *Yes*

Description: A five-year plan to increase sustainable, on-site wildlife feed production through large-scale planting and expanded hydroponic and food cultivation. These initiatives will sequester carbon and reduce GHG emissions by producing feed locally.

GHG Reduction Commentary

- Enabler actions are important parts of any city's climate action plan but are not suitable for quantified GHG reduction estimates.

PROJECT/PROGRAM PROPOSAL:

[Plant Forward Program](#)

ACTION: [Cool Food Pledge](#)

ECF Priority Sort: *Medium*

Included in Staff prepared 2026 Budget: *No*

Description: Plant Forward pledge with Humane Society, with the aim of increasing plant-based menu items at City-owned shelters. By serving less meat and more plant-based menu items, TSSS can significantly reduce food-related GHG emissions. The City has determined that one approach to reduce GHG emissions would be to reduce amount of beef purchased and has identified it as the largest contributor to the City's food-related emissions.

GHG Reduction Commentary

- The estimated GHG emission reductions resulting from reducing the amount of beef purchased are 897 t CO_{2e} per year.