

Attachment 2

Summary of progress on responding to City Council directions on the TransformTO Net Zero Strategy

Table A2. Implementation status of items from Council decision on the TransformTO Net Zero Strategy report, *TransformTO – Critical Steps for Net Zero by 2040* ([2021.IE26.16](#)).

Council decision Part	Council decision Part	Responsible Divisions & Agencies. Lead is listed first. Legend below.	Implementation status
Part 1	1. City Council endorse the targets and actions outlined in Attachment B to the report (December 2, 2021) from the Interim Director, Environment and Energy, titled "TransformTO Net Zero Strategy" with the following additional instructions:	N/A	N/A (no action required)
Part 1 a	a. direct the Chief Planner and Executive Director, City Planning, to accelerate implementation of the greenhouse gas emission limits performance measure in the Toronto Green Standard to ensure that buildings constructed in or after 2030 are near zero emissions, by revising the Toronto Green Standard Tier 1 mandatory performance measure as follows, to: the "High Performance" level (Toronto Green Standard Version 4 Tier 2) to apply in 2025; and the "Near Zero Emissions" level (Toronto Green Standard Version 4 Tier 3) to apply in 2028;	CP	Complete (ongoing)
Part 1 b	b. request the Director, Environment and Energy, in consultation with the Chief Planner and Executive Director, City Planning, to set goals to limit new natural gas expansion, and sunset the sale of new natural gas fired equipment and report back in 2023 with actions to be implemented to support this endeavour;	E&C, CP	In progress
Part 1 c	c. request the Government of Ontario and provincial agencies and corporations to set a sunset date before 2030 for the	E&C, CMO	In progress

	sale and installation of new natural gas fired equipment to consumers;		
Part 1 d	d. continue to support Transportation Service's plan to accelerate the capital budget schedule for redesign of roadways as part of the Cycling Network Plan;	TSD	N/A (no action required)
Part 1 e	e. continue to ensure that, when considering any changes to the Investment Policy, the Chief Financial Officer and Treasurer and the Toronto Investment Board consider and incorporate internationally-recognized best practices for Environmental, Social and Governance;	CFO	In progress
Part 1 f	f. continue to ensure that as of 2023, any new equipment being installed in a City facility must contribute to net zero and all new buildings be designed and built to net zero;	CREM	In progress
Part 1 g	g. support resident-led climate action and engagement by dedicating resources to supporting community hubs, community centres, neighbourhood pods and other local support networks, as key social and physical infrastructure for strengthening community climate engagement and resilience;	E&C	In progress
Part 1 h	h. direct the Director, Environment and Energy to centre the voices of equity-deserving groups, including youth, civil society organizations, labour and workers' rights organizations, academia, Indigenous rights holders and urban Indigenous communities by:	E&C	In progress
Part 1 h 1	1. establishing a Climate Advisory Group that centres the voices of equity-deserving groups, and includes youth, civil society organizations, labour and workers' rights organizations, and academia and work with Indigenous rights holders and urban Indigenous communities to share knowledge and learnings to inform climate action and reporting back to City Council on a terms	E&C	Complete (ongoing)

	of reference developed by city staff and the Climate Advisory Group; and		
Part 1 h 2	2. reporting back on the feasibility of creating a Climate Change Corps to support the goals and objectives of the Transform TO Net Zero Strategy;	E&C	In progress
Part 1 i	i. direct the Executive Director, Corporate Real Estate Management to share Corporate Real Estate Management's Net Zero Carbon Plan with the Board of the Toronto Community Housing Corporation and work in partnership with Toronto Community Housing Corporation to achieve targets and goals laid out in the plan; and	CREM	Complete (ongoing)
Part 1 j	j. request the Toronto Transit Commission Board to identify opportunities to accelerate the Green Bus Program and to request the Chief Executive Officer, Toronto Transit Commission to report to the Toronto Transit Commission Board in the second quarter of 2022 on these opportunities.	TTC	Complete
Part 2	2. City Council approve the following community-wide greenhouse gas reduction targets:	N/A	N/A (no action required)
Part 2 a	a. 45 percent reduction in community-wide greenhouse gas emissions by 2025, from 1990 levels; and		N/A (no action required)
Part 2 b	b. net zero greenhouse gas emissions by 2040.		N/A (no action required)
Part 3	3. City Council direct the Director, Environment and Energy to report back:	E&C	N/A (no action required)
Part 3 a	a. in the second quarter of 2025, with a status update on progress in meeting the City of Toronto's 2030 corporate and community-wide greenhouse gas reduction targets, as outlined in Part 2 above and Attachment B to the report (December 2, 2021)	E&C	In progress

	from the Interim Director, Environment and Energy, titled "TransformTO Net Zero Strategy";		
Part 3 b	b. in the second quarter of 2025, with a four year implementation plan for 2026-2030 on any additional actions and authorities required to achieve the City of Toronto's 2030 greenhouse gas reduction target; and	E&C	Not started
Part 3 c	c. annually on emission reductions achieved for community-wide greenhouse gas reduction targets, and the 2025, and 2030 goal.	E&C	In progress
Part 4	4. City Council direct the City Manager, in consultation with all appropriate City divisions heads, including the City Solicitor, or their designates, to develop and implement a plan that outlines how to refer to TransformTO Net Zero Strategy goals and targets as and where appropriate in all relevant:	CMO, E&C, Legal, Other Divisions	In progress
Part 4 a	a. submissions that the City of Toronto makes or the City of Toronto staff make in federal and provincial public comment processes; and	CMO, E&C, Legal, Other Divisions	In progress
Part 4 b	b. filings that the City of Toronto makes in proceedings before Federal and Provincial regulatory bodies, administrative tribunals and courts.	CMO, E&C, Legal, Other Divisions	In progress
Part 5	5. City Council authorize the Deputy City Manager, Corporate Services, or their designate, until December 31, 2030, to negotiate and enter into agreements, as may be required, to support the implementation of the City Council-adopted recommendations presented in the TransformTO Net Zero Strategy, dated December 2, 2021 with non-profit, public, and private sector organizations to:	DCM CS	N/A (no action required)
Part 5 a	a. collaborate on projects or initiatives;	DCM CS	N/A (no action required)

Part 5 b	b. provide in-kind and / or financial support from the approved Environment and Energy Division budget on projects or initiatives; and/or	DCM CS	N/A (no action required)
Part 5 c	c. receive funding, on terms and conditions acceptable to the Deputy City Manager, Corporate Services, in consultation with the Director, Environment and Energy, and in a form satisfactory to the City Solicitor.	DCM CS	N/A (no action required)
Part 6	6. City Council request the Director, Environment and Energy, to report back in the second quarter of 2022, on the accountability and management framework for TransformTO and the Net Zero Strategy, including:	E&C	Complete
Part 6 a	a. the composition, meeting frequency and reporting framework for the Climate Advisory Group and Joint TransformTO Implementation Committee as well as any additional advisory bodies, working groups, climate change corps, and consultation tables;	E&C	Complete
Part 6 b	b. the reporting schedule to City Council; and	E&C	Complete
Part 6 c	c. any plans for external peer-review.	E&C	Complete
Part 7	7. City Council direct the Director, Environment and Energy to consult with members of the construction and development industry to identify challenges and solutions to ensure we reach our goal of 100 percent of new buildings built to near zero emissions by 2030.	E&C	In progress
Part 8	8. City Council authorize the Deputy City Managers to negotiate and enter into non-competitive agreements, including those with a value exceeding \$500,000 for which City Council approval would normally be required under City of Toronto Municipal Code Chapter 195 (Purchasing) with companies that have won Climate Champion status through the MaRS Discovery District's Mission from MaRS Climate Impact Challenge, on the following conditions:	DCMs	N/A (no action required)

Part 8 a	a. that the provision of goods or services from the company will assist the City to reduce greenhouse gas emissions and is aligned with the City's Net Zero Strategy;	DCMs	N/A (no action required)
Part 8 b	b. that any agreement is within the budget of the respective division within the Deputy City Manager's Service Area;	DCMs	N/A (no action required)
Part 8 c	c. that the agreement is on such terms and conditions satisfactory to the Deputy City Manager; and	DCMs	N/A (no action required)
Part 8 d	d. that the agreement is in a form satisfactory to the City Solicitor.	DCMs	N/A (no action required)
Part 9	9. City Council direct that the Chief Procurement Officer report, as part of the annual Controller's report, on any non-competitive agreement that the Deputy City Managers enter into with companies that have won Climate Champion status through the MaRS Discovery District's Mission from MaRS Climate Impact Challenge.	PMMD	In progress
Part 10	10. City Council authorize the City Solicitor, in consultation with the City Clerk, to submit a Bill to Council to codify the currently Council-adopted targets, strategies, policies, programs and initiatives pertaining to green energy and climate change, in the first instance from this report, as additional articles in Chapter 669 of the City of Toronto Municipal Code, as and where appropriate.	Legal, E&C	In progress
Part 11	11. City Council direct the City Manager and Deputy City Managers, in consultation with the Director, Environment and Energy to report back by the first quarter of 2023 on:	CMO, DCMs, E&C	In progress
Part 11 a	a. what aspects of existing City programs and / or by-laws aimed at reducing natural gas use in new and existing buildings need to be strengthened or accelerated; and	CMO, DCMs, E&C	In progress

Part 11 b	<p>b. what additional programs and / or by-laws aimed at reducing natural gas use in new and existing buildings need to be developed and implemented,</p> <p>in order to achieve the greenhouse gas emission reduction targets as outlined in Part 2 above and Attachment B to the report (December 2, 2021) from the Interim Director, Environment and Energy, titled "TransformTO Net Zero Strategy".</p>	CMO, DCMs, E&C	In progress
Part 12	<p>12. City Council direct the Director, Environment and Energy, in consultation with the Controller, the Director, Accounting Services, the General Manager, Transportation Services, the Chief Planner and Executive Director, City Planning and other appropriate City Divisions, to prepare financial options and other incentives that the City could provide to encourage uptake of personal electric vehicles and disincentives to discourage use of fossil-fueled personal vehicles within the City of Toronto boundaries and report back through the 2023 budget where feasible and subsequent budget years if implementation in the 2023 budget is not feasible.</p>	E&C, Controller, AS, TSD, CP, others	In progress
Part 13	<p>13. City Council direct the Director, Environment and Energy in consultation with the Controller, the Director, Accounting Services, the Chief Planner, and Executive Director, City Planning, the Chief Building Official and Executive Director, Toronto Buildings, and other appropriate City Divisions, and with Toronto Hydro, and to report back in the first quarter of 2023 on options for additional financial incentives, disincentives and other mechanisms to further encourage deep retrofits of existing buildings.</p>	E&C, Controller, AS, CP, TB, others	In progress
Part 14	<p>14. City Council direct the Director, Environment and Energy and the Chief Financial Officer and Treasurer to report back in the fourth quarter of 2022 on design and implementation options for a Toronto Carbon Budget and associated key performance metrics, which align with the City's financial budgets, to manage corporate and community greenhouse gas emissions, within an absolute limit</p>	E&C, CFO	In progress

	that aligns with the City's 2025, 2030, and 2040 emissions reduction targets, and make clear the implications of the limits for the City's financial budgets, the 2024 budget cycle.		
Part 15	15. City Council request the Government of Ontario and Provincial agencies and corporations to:	E&C, CMO	N/A (no action required)
Part 15 a	a. develop and implement new or amend existing legislation, regulations, policies and / or programs in order to prioritize:	E&C, CMO	In progress
Part 15 a 1	1. demand response and conservation as sources of electricity generation in Independent Electricity System Operator generation selection; and	E&C, CMO	In progress
Part 15 a 2	2. increase the share of renewable electricity generated on the provincial electricity grid;	E&C, CMO	In progress
Part 15 b	b. implement legislation, regulations, policies/or programs to encourage the transition to electric vehicles, including:	E&C, CMO	In progress
Part 15 b 1	1. financial incentives for new and used Electric Vehicles;	E&C, CMO	In progress
Part 15 b 2	2. financial incentives for home, workplace and fleet Electric Vehicles charging infrastructure;	E&C, CMO	In progress
Part 15 b 3	3. establish a provincial sales mandate for Zero Emission Vehicles ("Zero Emission Vehicles" are battery-electric vehicles, plug-in hybrid electric vehicles or hydrogen fuel cell vehicles) that meets or exceeds any federal sales mandate for Zero Emission Vehicles;	E&C, CMO	In progress
Part 15 b 4	4. support and encourage Electric Vehicles-ready new construction;	E&C, CMO	In progress

Part 15 b 5	5. funding for publicly-accessible Electric Vehicle charging infrastructure, including for bi-directional chargers;	E&C, CMO	In progress
Part 15 b 6	6. maintain existing benefits for Electric Vehicle drivers (e.g. High Occupancy Vehicle lane access on provincial highways); and	E&C, CMO	In progress
Part 15 b 7	7. add financial incentives for purchasing all bikes, e-bikes and other non-carbon vehicles that are approved for use on City of Toronto road ways and cycling infrastructure; and	E&C, CMO	In progress
Part 15 c	c. require all new and replacement equipment for building heating systems to be greater than 100 per cent efficiency.	E&C, CMO	In progress
Part 16	16. City Council request the Government of Canada and Federal agencies and corporations to:	E&C, CMO	N/A (no action required)
Part 16 a	a. create and enforce a national clean electricity standard to ensure decarbonization of the electricity grid as soon as possible;	E&C, CMO	In progress
Part 16 b	b. ensure all new and replacement equipment for building heating systems be greater than 100 percent efficient as soon as possible;	E&C, CMO	In progress
Part 16 c	c. implement new and maintain existing financial incentives to encourage the transition to electric vehicles, including:	E&C, CMO	In progress
Part 16 c 1	1. maintain purchase incentives for new electric vehicles and providing purchase incentives for used electric vehicles;	E&C, CMO	In progress
Part 16 c 2	2. provide financial incentives for home, workplace and fleet electric vehicle charging infrastructure; and	E&C, CMO	In progress

Part 16 c 3	3. provide funding to provinces and municipalities for public electric vehicle charging infrastructure, including for bi-directional chargers;	E&C, CMO	In progress
Part 16 d	d. create and fund a national workforce and skills development strategy to enable a just net-zero transition;	E&C, CMO	In progress
Part 16 e	e. conduct a strategic review of international and national supply chain requirements and issues to ensure that municipalities have sufficient access to all goods and services necessary to enable a transition to the net zero emission economy;	E&C, CMO	In progress
Part 16 f	f. provide mechanisms and tools to lower the risk to lenders or similar entities involved with financing projects that enable decarbonization at scale; and	E&C, CMO	In progress
Part 16 g	g. explore the creation of new crown corporations to manufacture and / or bulk purchase heat pumps, net zero hot water heaters, solar panels, renewable energy technologies, and electric vehicles.	E&C, CMO	In progress
Part 17	17. City Council direct the Director, Environment and Energy, in coordination with Executive Director, Social Development, Finance and Administration and the Chief Procurement Officer, Purchasing and Materials Management, to identify ways that the City can support the reduction of the greenhouse gas emissions associated with food the City of Toronto procures, in alignment with the City's Cool Food Pledge and the C40 Good Food Cities Declaration, and to report back in the second quarter of 2023 on the status of corporate and community food-related emissions and recommended actions for the TransformTO 2026-2030 short-term action plan, including a goal to maximize local, organic and fair trade food procurement.	E&C, SDFA, PMMD	In progress
Part 18	18. City Council direct the City Manager to explore methods of enhancing incentives and promotions for industrial/commercial	E&C	In progress

	enterprises for the purpose of manufacturing, installing, bulk purchasing, distributing and installing: heat pumps, hot water heaters, renewable energy technologies, district energy systems, and electric vehicles.		
Part 19	19. City Council request the Chief Planner and Executive Director, City Planning to continue to ensure the Official Plan, Zoning By-laws, and planning policies and various Planning guidelines support the recommendations in the Net Zero Strategy, including to discourage vehicle trips, enhance building energy efficiency, to reduce embedded carbon during construction, and to encourage active transportation and transit for short trips.	CP	Complete (ongoing)
Part 20	20. City Council express its support for a ban on use of two-stroke engine leaf blowers, lawnmowers and other small engine equipment and vehicles and request the Director, Municipal Licensing and Standards report back on the implementation of a ban as part of the noise update report in 2022.	MLS	Complete
Part 21	21. City Council request the Deputy City Manager, Infrastructure and Development Services, in consultation with the General Manager, Transportation Services and the Chief Engineer and Executive Director, Engineering and Construction Services, to report back in first quarter 2023 with recommendations on the process and staffing changes required to have complete street designs considered for every major road rehabilitation project.	DCM IDS, TSD, ECS	In progress
Part 22	22. City Council use its considerable influence as an OMERS employer sponsor and seat on the OMERS' Administration Corporation, to request that OMERS considers the City of Toronto's Net Zero strategy in its investment decisions and climate commitments, with a goal of limiting the global average temperature increase to 1.5° Celsius, including a plan to phase out investments in coal, oil, gas and pipelines, and consider alternatives to new fossil fuel investments.	CFO, E&C	In progress

Part 23	23. City Council request the Chief Planner and Executive Director, City Planning and the Chief Building Official to report back in 2022 on the feasibility of implementing emissions performance standards or incentives for existing buildings using the City's existing authorities, for implementation in 2023 or specific recommendations for any regulatory or legislative changes needed to enable implementation of emissions performance standards and on use of the permit process to ensure or encourage existing building HVAC and hot water replacement with 100 percent efficient equipment by 2028 and all additions and renovations to meet higher energy efficiency standards.	CP, TB	In progress
Part 24	24. City Council request the Ministry of Municipal Affairs and Housing to consider strengthening the requirements in the Ontario Building Code for increased energy efficiency improvements at the time of renovation.	Clerk, E&C, TB	In progress
Part 25	25. City Council request the Director, Environment and Energy to develop a plan to provide financing support for low carbon thermal energy systems, potentially including the use of Local Improvement Charges or other financial mechanisms, as well as mandatory connections or connection ready and low temperature HVAC design guidelines and standards for new buildings and report back in 2023 with implementation in 2024.	E&C	In progress
Part 26	26. City Council request the Interim Director, Environment and Energy to provide a clear definition of low carbon thermal energy sources in order to enable monitoring of progress against the target at their next annual report on the status of TransformTO.	E&C	In progress
Part 27	27. City Council direct the Executive Director, Municipal Licensing and Standards to set a goal of Net Zero for 2030 for vehicles-for-hire, and to align the plans for vehicle electrification and emissions reduction to achieve this goal.	MLS	In progress

Part 28	28. City Council request the Director, Environment and Energy, to assess the feasibility of updating the Electric Vehicle Strategy in Item 2020.IE11.17 headed "Electric Vehicle Strategy" to include a target of accommodating 100 percent Electric Vehicle adoption by 2035.	E&C	In progress
Part 29	29. City Council request the President, Toronto Parking Authority, in consultation with the General Manager, Transportation Services, to report on the feasibility of providing charging stations and exclusive access for electric vehicles at on-street paid parking spots in high-demand areas.	TPA, TSD	Complete
Part 30	30. City Council request the General Manager, Municipal Licensing and Standards, in consultation with the General Manager, Transportation Services, and the Director, Environment and Energy, to explore the feasibility of allowing accessible cable covers on sidewalks to facilitate overnight charging for individuals without front pad or garage parking.	MLS, TSD, E&C	In progress
Part 31	31. City Council request the Director, Environment and Energy to include in a report to Infrastructure and Environment Committee on Electric Vehicles, information on the number of streets with permit parking which have Electric Vehicle chargers, and the number of streets with permit parking that do not have Electric Vehicle chargers.	E&C	In progress
Part 32	32. City Council direct the Director, Environment and Energy to consult with local Councillors on optimal locations for installations.	E&C	In progress
Part 33	33. City Council direct the Deputy City Manager, Corporate Services and the Deputy City Manager, Infrastructure and Development Services to include Electric Vehicle charging stations in the City supported Pocket Change project.	DCM CS, DCM IDS	Complete

Part 34	34. City Council direct the General Manager, Transportation Services to include Riverdale for next phase of Electric Vehicle charging stations.	TSD	Complete
Part 35	35. City Council direct the City Manager to do market soundings on neighbourhoods with on street permit parking to determine where the highest demand is for those who would consider purchasing an Electric Vehicle if there was on street charging.	CMO, E&C, TSD	In progress
Part 36	36. City Council direct the General Manager, Transportation Services to include options for dedicated Electric Vehicle charging stations on those streets that switch sides for parking.	TSD	Complete (ongoing)
Part 37	37. City Council request the City Manager and the Director, Environment and Energy to strike a Joint TransformTO Implementation Committee with appropriate City Staff and trade unions representing workers employed by the City, including construction trades, to provide expert advice on implementation of the TransformTO goals for City operations and facilities, starting in 2022.	CMO, E&C	In progress
Part 38	38. City Council request the City Manager, in consultation with the Chief Executive Officer, Toronto Transit Commission, to outline in the 2022 Budget proposal options to increase spending on surface vehicles and hiring additional operators aimed at increasing ridership to get us on the path to achieving the TransformTO goals.	CMO, TTC, E&C, CP, TSD	Not started
Part 39	39. City Council request the City Manager to include the recommendations and short term strategies as outlined in TransformTO Net Zero Strategy in the proposed 2022 Operating and Capital Budgets for all Divisions.	CMO	Complete
Part 40	40. City Council request the Director, Environment and Energy to report to the Infrastructure and Environment Committee on the following:	N/A	N/A (no action required)

Part 40 a	a. what percentage of greenhouse gases in the City of Toronto is created by cars and trucks and vehicles in the City of Toronto;	E&C	Complete
Part 40 b	b. on how the Idling By-law is currently enforced and the number of tickets that have been given out per year since 2015;	E&C	In progress
Part 40 c	c. the time and nature of the most recent public education campaign on the Idling By-law that have been conducted since 2015;	E&C	In progress
Part 40 d	d. the current steps undertaken by Corporate Services and other Agencies and Corporations to measure and reduce idling in the City fleet and how to discourage idling in other vehicles;	FS, TTC	In progress
Part 40 e	e. district energy plans and other successful district energy plans that the City is aware of;	E&C	In progress
Part 40 f	f. the number of developments in the last two calendar years that have been approved that have Geothermal;	E&C	In progress
Part 40 g	g. the ideal size for Geothermal application for a development – number of units or size of site;	E&C	In progress
Part 40 h	h. an investigation of the green standards to include options for Geo thermal; and	E&C	In progress
Part 40 i	i. all possible City operations or operations of Agencies and Corporations where significant energy capture and energy storage could take place.	E&C	In progress

City Divisions, Agencies & Corporations:

AS – Accounting Services

BST – Bike Share Toronto

CFO – Chief Financial Officer & Treasurer's Office

CMO – City Manager's Office
CP – City Planning
CREM – Corporate Real Estate Management
E&C – Environment & Climate (formerly EED – Environment & Energy)
EDC – Economic Development & Culture
FP – Financial Planning
FS – Fleet Services Division
HS – Housing Secretariat
IAO – Indigenous Affairs Office
MLS – Municipal Licensing & Standards
PFR – Parks, Forestry & Recreation
PMMD – Purchasing & Materials Management
SDFA – Social Development, Finance & Administration
SWMS – Solid Waste Management Services
TH – Toronto Hydro
TSD – Transportation Services
TTC – Toronto Transit Commission
TW – Toronto Water