HAMILTON'S CLIMATE ACTION STRATEGY IMPLEMENTATION UPDATE 2025

The following table represents the update on 2024 Calendar Year Progress with the implementation of actions found within Hamilton's Climate Action Strategy. Where information has been provided, the table also includes '2025 Accomplishments & Outlook' for each action. The table is broken out into actions found within the two plans that constitute the Strategy:

- ReCharge Hamilton Our Community Energy and Emissions Plan; and
- Hamilton's Climate Change Impact Adaptation Plan.

ReCharge Hamilton – Our Community Energy and Emissions Plan Update on 2024 Calendar Year Progress

ReCharge Hamilton – Our Community Energy and Emissions Plan Opdate on 2024 Calendar Year Progress			
Enabling Actions within Hamilton's Climate Action Strategy			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
(Enabling Action i) Investigate and Design a Carbon Accounting Framework Office of Climate Change Initiatives, Planning & Economic Development	IN PROGRESS Multi-year Project Charter complete and approved internally. Procurement Policy 11 approved by PED General Manager.	Technical consultant has been retained and work has started. Community and Corporate 'fair share' carbon budget complete. Beta-test of GHG calculator as proof of concept delayed ~6 months due to getting access to Microsoft excel add-in. Initial Staff training and introduction to GHG calculator tool completed in November 2024. Draft Vision and Objectives completed, and initial Focus Groups with Finance and Senior Leaders also completed	Important ongoing work on Carbon Budget and Accounting Framework will continue into 2025 including: • Pre-Engagement activities with community partners completed to inform Engagement Strategy • Research and draft of Carbon Offset Policy • Testing GHG Calculator Proof of Concept. Expected new timeline for interim report to GIC is Q4 2025
(Enabling Action ii) Corporate Energy Reserve (revolving fund	Committed Funds by type for 2023:	Statistics on 2024 Energy Reserve will be provided in	IN PROGRESS for 2024/2025 – Office of Energy Initiatives completing a gap

Enabling Actions within Hamilton's Climate Action Strategy			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
expansion) Corporate Facilities & Energy Management, Public Works	Renewable: Construction \$370K, Payback \$200K, Transfer Back \$2.0M Energy/Cost Saving: Payback \$1.8M *Note - Payback and Transfer back are funds that are committed but not actively in construction.	the Annual Corporate Energy Report expected in Q3 2025	analysis on current Reserve revenue tracking, funding requirements and creating a revised Reserve Funding Project Criteria process. Targeted completion date is Q3 2025.
(Enabling Action iii) Municipal and Community Green Bond Assessment Financial Planning, Administration & Policy, Corporate Services	Initial investigation on framework development and a draft work plan was completed in 2023. Project put on hold in 2024 to accommodate other priorities. Framework development deemed non-urgent due to high-interest rates and debt issuance not being planned for 2024. The project is currently planned to launch in 2025.	Project reported as being on hold during 2024, with a launch planned in 2025.	Indicators to be established once framework development is completed (e.g. ESG accreditation/reporting outcomes)
(Enabling Action iv) Climate Change Reserve Office of Climate Change Initiatives,	2023 allocation of funding for city-led initiatives successfully completed, utilizing a basic internal application process.	2024 allocation of \$2.5 million in CCR funding completed utilizing a refined internal application template for cityled initiatives that was developed with the input and endorsement of the internal	2025 review and update of internal CCR application template completed, with input from Climate Change Initiatives Steering Committee and community Climate Change Advisory Committee.

Enabling Actions within Hamilton's Climate Action Strategy			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
Planning & Economic Development		Climate Change Initiatives Steering Committee. In December 2024, a list of 13 City-led projects was approved By Council to receive funding. CLICK HERE to access details regarding these funded projects.	Review included identifying strategic priority focus areas for funding, corresponding to identified needs, gaps in action. Application intake opened in late May, with aim to report back to GIC with list of city-led projects recommended to receive funding by September 2025

Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
CEEP Action 1.0:	In May 2023 City Council	In late 2024, City staff learned	Preliminary discussions have
Establish a net-zero	approved \$240K over 4	that efforts to secure funding	started between staff from
Industrial Working	years to support the creation	for the Hub from the Federal	Economic Development and
Group	of a 'first-of-its-kind' Hamilton	Economic Development	the Office of Climate Change
	Regional Decarbonization	Agency of Southern Ontario	Initiatives. There have been
2022 Onward	Hub.	were unsuccessful. This has	delays because of City focus
		led to an effort on the City side	on responding to the US tariff
Joint collaboration	Total 4-year budget	to regroup and determine a	situation.
between:	estimated for the initiative is	viable pathway forward. A	
City Manager's Office	\$3.2 M with the additional	Council Communication	
Director of Digital	required funding being	<u>Update</u> was circulated on	
and Innovation;	sought from federal	December 16 th that outlines	
Office of Climate	government and private	the situation and proposed	
Change Initiative and	stakeholders	next steps.	
Economic			
Development Division,	INDICATOR – Number of	INDICATOR – Number of	

Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Planning and	facilities 50,000ft2 or larger	facilities 50,000ft2 or larger	
Economic	facilities in Hamilton that	facilities in Hamilton that are	
Development.	are compliant with	compliant with Ontario's	
	Ontario's Energy & Water	Energy & Water Reporting	
	Reporting Benchmark	Benchmark initiative:	
	initiative:	Total buildings reporting in	
	Total buildings reporting in	2021 = 70	
	2021 = 70	2022 = 136	
	Total buildings reporting in	2023 = 124	
	2022 = 136	Source: data.ontario.ca/dataset/energy-and-	
	*NB – Reporting threshold	water-usage-of-large-buildings-in-	
	changed from 100,000 ft2 to	ontario	
	50,000 ft2 for 2022 reporting	2023 is the most current	
	year, contributing to the	reporting year available. Drop	
	increase in facilities filing reports. Manufacturing,	in numbers from 2022 to 2023	
	heavy industrial, and	appears to be due to 30+	
	agricultural buildings are not	reporting locations not	
	included.	reporting in 2023 and 20+ new	
	INDICATOR – Total number	locations reporting in 2023.	
	of local industries on		
	federal Greenhouse Gas	INDICATOR – Total number	
	Reporting Program	of local industries on federal	
	(GHGRP) Large Emitter	Greenhouse Gas Reporting	
	list:	Program (GHGRP) Large	
	Tracking of greenhouse gas	Emitter list:	
	emission trends for large	Data for the 2023 reporting	
	emitters has been completed	year has been incorporated into the trend analysis	
	for the 5-year period 2017 –	completed last year. In 2023,	
	2022. A total of 19 Hamilton	a total of 19 facilities	
		a total of 13 facilities	

	Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook	
	industries are on the 'large emitters' list as they exceed the 10 kt CO2e threshold reporting requirement set out by the GHGRP.	submitted reports, with 5 of those facilities emitting LESS THAN the 10,000 tCO2e threshold for reporting to the federal program. Overall emissions from reporting facilities increased from 2022 to 2023 by 185,566 tCO2e: • 2022 - 5.26 MtCO2e • 2023 - 5.45 MtCO2e The observed increase was due, almost wholly, to increased emissions from local steel producers.		
CEEP Action 1a: Development and deployment of a zero- emissions industry program 2022-2024 Office of Climate Change Initiatives, Planning & Economic Development (coordinating role)	FUTURE INDICATOR - Number of industrial partners with corporate sustainability plans that are harmonized with the community-wide net-zero target	INDICATOR - Number of industrial partners with corporate sustainability plans that are harmonized with the community-wide net-zero target Work was initiated in 2024 to gather information regarding status of climate planning for local large industrial emitters reporting to the federal Greenhouse Gas Reporting Program. The following has been	Staff are currently developing work plans to convene community business and industry partners who expressed past interest in the Hamilton Decarbonization Hub concept to determine revised vision and objectives including programs related to Action 1a.	

	Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
		confirmed via reviews of		
		information available on		
		company websites for 2024 for		
		the 19 large industrial emitters		
		reporting in 2023 to the federal		
		Greenhouse Gas Reporting		
		Program:		
		 3 companies with 		
		locally relevant pathway		
		to net zero strategies.		
		 14 companies with 		
		corporate (global) level		
		pathway to net zero		
		strategies.		
		 2 companies with no 		
		stated commitment to		
		climate action or net		
		zero pathway.		
CEEP Action 2.0:	INDICATOR – City support	In late 2024, the Transition	During 2025, the City's	
Establish a cleantech	for/influence over the	Accelerator, with support from	Economic Development	
accelerator	establishment of cleantech	the Province of Ontario (via	Division will be undertaking	
	businesses/industries in	the IESO) completed a report	an RFP related to assessing	
2022-2026	Hamilton.	that 'examines the potential	the potential for clean	
Joint collaboration	 Work is underway to 	pathways for adopting and	technology companies in the	
between:	identify companies	integrating hydrogen into	area. Economic Development	
City Manager's Office	/partners who are	Ontario's electricity system'.	staff plan to convene local	
Director of Digital	focused on	The study included a specific	industry partners to update	
and Innovation;	Decarbonization	assessment of Hamilton as a	and continue to explore future	
Office of Climate	Technologies - a key	hydrogen hub, given the	efforts around a cleantech	
Change Initiatives and	subsector of strength	presence of steel	accelerator. The Office of	

Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
Economic Development Division, Planning and Economic Development. Development	identified in the City's Economic Development Division Manufacturing Strategy • Via City's Goods Movement Strategy work is being done to highlight new technology, pilot projects and progress towards a low-carbon economy; support efforts to evaluate Hamilton's energy supply and relative potential for fleet charging needs and recommendations for enhancement.	manufacturing and the long-term plans to utilize hydrogen to transition to clean steel production.	Climate Change Initiatives will play a supporting role.
CEEP Action 3.0: Expand local industrial energy management training programs (incl. subsidized opportunities for marginalized populations)	INDICATOR - Number of trained/retrained industrial energy management professionals (including numbers from equity-owed populations if available) • Canadian Colleges for a Resilient Recovery (C2R2) partners with 15 institutions across	INDICATOR - Number of trained/retrained industrial energy management professionals (including numbers from equity-owed populations if available) At the end of 2024 the Canadian Colleges for a Resilient Recovery (C2R2) provided the following stats	In 2025, C2R2 is offering 6 courses Canada-wide on industrial energy management.

	Low-Carbon Transformation #1: Innovating Our Industry			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
	2023 Progress Update and Supporting Information Canada – including Hamilton's Mohawk College - to offer online synchronous and asynchronous 'rapid cycle training'. • All training through C2R2 or Mohawk College was offered at no cost through the ESDC SWSP Quick Train program. • C2R2 offered six (6) courses related to industrial energy management, with a total enrolment of 213 in 2023 across Canada. It is unclear how many Hamilton residents participated. INDICATOR – Number of bursaries/ subsidized training opportunities provided. C2R2 reported that for ALL	2024 Progress Update and	2025 Accomplishments &	
	micro-credential offerings across Canada 57% of	institutions and additional information pertaining to		
	learners self-identified as a	bursaries or other subsidies		

Low-Carbon Transformation #1: Innovating Our Industry				
HCAS Actions & 2023 Progress Update and 2024 Progress Update and 2025 Accomplishments & Supporting Information Supporting Information Outlook				
	member of an equity- deserving group.	offered.		

Low-Carbon	Transformation #2: Transform	ning Our Buildings	
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
CEEP Action 4.0	INDICATOR – Development	INDICATOR – Development	A final set of Green Building
Develop and integrate	& Integration of City-wide	& Integration of City-wide	Standards was taken to the
City-wide new green	Green Development	Green Development	City's Planning Committee on
development standards	Standards	Standards	April 29, 2025, where it was
	Green Building Standards	Green Building Standards	approved, but was ultimately
2022-2023	final report will be brought	endorsed by City Council in	referred back to staff at the
	forward to Council in Q4	Q4 2024.	Council meeting that
Planning Division,	2024, followed by the		followed.
Building Division,	development of a detailed	The City's Climate Change	
Planning & Economic	implementation strategy	Advisory Committee	An Implementation Strategy
Development	including incentives which	requested an opportunity to	for GBSs was taken to the
	will be brought forward to	provide input on the building	City's General Issues
	Council in 2025	performance measures in	Committee on April 30, 2025,
		GBSs and a commitment was	and was referred back to staff
		made to provide enhanced	to further investigate
	INDICATOR - Energy and	consultation for this purpose.	questions raised by
	emissions intensity of new		delegations around both
	buildings (per sq./ft or m2)		short-term costs and long-
	The Ontario Building Code is		term benefits associated with
	Provincial legislation, with		achieving the GBS. Staff
	minimum prescriptive		were directed to report back
	requirements which guide		by the end of 2025.
	building construction. The		
	Building Division does not		

Low-Carbon	Transformation #2: Transform	ning Our Buildings	
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update & Supporting Information	2025 Accomplishments & Outlook
	document, or report on energy and emission intensity of new buildings. This is not data that is collected during building permit application for review purposes, nor can the Division require that it be submitted		This is expected to delay the implementation of the GBS into early 2026.
CEEP Action 5.0: Install solar PV on new and existing buildings.	INDICATOR – Megawatts of solar photovoltaics (PV) installed on new and	Hamilton Water has initiated a Solar Renewable Energy and Battery Energy Storage	The Energy Office currently has 1 project ready for tender and is working on securing
	existing buildings.	System feasibility study for its	funding or alternative
Building Division, Planning and Economic Development; Corporate Facilities and Energy Management, Public Works	The Building Division reviews Solar PV installations through a lens of structural and installation requirements. The Division does not review or inspect electrical components or tie-ins to the grid, nor does it track MW of specific equipment. (Electrical is regulated by ESA – see below)	The City's Office of Energy Initiatives is working on technical and financial business cases for the incorporation of a solar system on the roof of the new transit storage facility (located on Brant Street in lower Hamilton) for the generation of an estimated 2 MW in generation capacity.	partnerships to proceed with this proposed project implementation. At this time, multiple solar PV projects are on hold due to lack of approved funding. Project: Harry Howell Arena- 250kW solar project (located at 27 Highway #5) estimated at 1.1M in 2023 dollars. PROPOSED FUTURE INDICATOR - ESA Electrical Permits for Solar:
	Building Division data regarding the number of	Other future projects identified as a part of the Office of Energy Initiatives Net Zero	The Electrical Safety Authority has been recommended by the Building

Low-Carbon	Transformation	on #2: Transforr	ning Our Buildings	
HCAS Actions &	2023 Progres	ss Update and	2024 Progress Update &	2025 Accomplishments &
Timelines	Supporting	Information	Supporting Information	Outlook
	solar permits	issued for	study include:	Division as a better source of
	2019-2024 is	provided		data for electrical permits
	below. No da		Solar PV system for entire	related to specific project
	through City r	-	building:	types. Applicants seeking
	energy/permit	issued.	Fire Station #5 complex (150 kw system), Morgan Firestone	solar permits are advised by the Building Division that an
	Year	# Permits	Arena (265 kw system),	ESA permit is or may be
		Issued	Traffic Operations (375kw	required.
	2019	9	system), Mountain Transit	·
	2020	12	Centre (370kw system), 330	
	2021	34	Wentworth (1000kw system),	
	2022	52	Dundas Town Hall (20kw	
	2023	72	system), Bennetto Recreation	
	2024	13	(20kw system), Stoney Creek	
			Recreation (20kw system),	
	INDICATOR -	- MW of solar	Kanetskare Recreation (60kw	
	PV installed	on/at new and	system)	
	existing City	facilities		
	(including an	y ground	Public Pool Heating Solar	
	mount solar)		Systems:	
	The Cit	ty's Office of	Bennetto – preheat water	
	Energy	[,] Initiatives	20kw system	
		ly has 1 project	Bennetto – heating pool size unknown	
	,	or tender and		
		ing to secure	Stoney Creek -preheat water 20kw	
	•	alternative	Stoney Creek – heating pool	
	•	ships to	size unknown	
	procee		Westmount – heating pool	
	•	nentation of this	size unknown	
	project	. At this time,	SIZO GITICIOWIT	

Low-Carbon	Transformation #2: Transforr	ning Our Buildings	
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	multiple municipal solar PV projects are ON HOLD due to lack of approved funding. • Project: Harry Howell Arena – 250-kW solar project (located at 27 Highway #5), estimated at \$1.1M in 2023 dollars.	INDICATOR – Megawatts of solar photovoltaics (PV) installed on new and existing buildings. The City's Building Division was unable to provide a full year of 2024 data for this indicator.	
CEEP Action 6.0:	The Better Homes Hamilton	Following the initial screening	21 participants are currently
Design and plan for a	Pilot Program approved by	of applications for program	either actively implementing
mass deep energy	GIC in May 2023 with \$1.0M	eligibility, a rigorous	their retrofits or finalizing their
retrofit program (may	in approved loans and	evaluation was applied to	funding requests through the
include retrofit delivery	\$275K in fixed costs launched in December 2023.	remaining applications to	Better Homes Hamilton
centre)	The application intake closed	ensure the objectives of the pilot are achieved.	portal. Any remaining spots in the program will be filled via
2022-2023	on February 1, 2024, with	pilot are achieved.	the waitlist.
2022-2023	150+ applications received.	50 successful applicants were	tric waitiist.
Office of Climate	100 · applications received.	notified about their	Initial research on funding
Change Initiatives,	Future proposed	acceptance into the program	and administrative models for
Planning and Economic	INDICATORS to assess pilot	in 2024 and permitted to	scale-up is underway. Staff to
Development	impact include:	proceed with getting	report back to GIC by Q4
	 Energy use and 	contractor quotes.	2025 on results of pilot and
	emissions		future expansion of program.
	reductions achieved	Moving forward the 50-home	
	through program.	pilot will be used to inform	
	Number of homes	future efforts to scale up the	
	participating within	Better Homes Hamilton	
	neighbourhoods	program.	

Low-Carbon	Transformation #2: Transform	ning Our Buildings	
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	 identified as having high energy poverty burden. Number of building retrofits (number of properties, by type etc.) completed through City program. 		
CEEP Action 6a:	INDICATOR - Tracking	INDICATOR - Tracking	In 2025 C2R2 is offering 5
Training and retraining	skilled graduates and	skilled graduates and	courses related to trades and
programs	workforce trends.	workforce trends.	building retrofits Canada-
2022 anwards	The Canadian Callege for a	At the end of 2024 the	wide.
2022-onwards	Colleges for a	Canadian Colleges for a Resilient Recovery (C2R2)	
Office of Climate	Resilient Recovery (C2R2) offered a total	provided the following stats	
Change Initiatives (co-	of 13 micro-credential	related to the course offerings	
ordinating role),	courses related to	and enrolments associated	
Planning and Economic	trades and building	with trades and building	
Development	retrofits.	retrofits:	
,	As a partner in C2R2	Total number of course	
	Mohawk College	offerings Canada-Wide	
	offered 3 of the 13	= 17	
	micro-credential	 Total number of 	
	courses and saw a	learners enrolled	
	total of 123 learners	Canada-Wide = 1,137	
	enrolled in 2023.	Total number of	
	INDICATOR Number of	courses offered at	
	INDICATOR - Number of	Mohawk College = 2	
	low-income, marginalized/		

Low-Carbon	Transformation #2: Transform	ning Our Buildings	
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	equity-owed applicants	 Total number of 	
	participating in these	learners enrolled at	
	training programs.	Mohawk College = 252	
	 C2R2 through 		
	voluntary self-	INDICATOR - Number of	
	identification reported	low-income, marginalized/	
	that 57% of its	equity-owed applicants	
	students across	participating in these	
	Canada identified as	training programs.	
	being a member of an	 No data available for 	
	equity-deserving	2024.	
	group.		1. 14. 1. 2005. 67. 11. 1
CEEP Action 6b:	The Better Homes Hamilton	No progress was made in	In March 2025, CityHousing
Launch a small-scale	Pilot Project (described	2024 with any further	Hamilton received \$10Million
neighbourhood deep	above in Action 6.0) is	exploration of the potential to	in funding from the Natural
energy and emissions	targeting 50 low rise	apply this approach to home	Resources Canada Greener
retrofit project in the	residential properties.	energy retrofit efforts in a	Neighbourhoods Pilot Project
residential sector	However, this type of	neighbourhood of private	Fund to undertake deep
2022 2022	geographically focused	homes in the City.	energy retrofits to 123 of its
2022-2023	neighbourhood approach will be further explored during		townhouse units using an
Office of Climate	the pilot phase and the		Energiesprong approach.
Change Initiatives,	feasibility of this approach		
Planning and Economic	reported to Council after the		
Development	two-year Better Homes		
Вечеюринен	Hamilton pilot phase is		
	completed.		
	Completed.		
	This approach is modelled		
	after the Energiesprong		

Low-Carbon	Transformation #2: Transform	ning Our Buildings	
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update & Supporting Information	2025 Accomplishments & Outlook
	method developed and implemented in the Netherlands, designed to tap into economies of scale and peer-motivated action. The federal government is supporting this approach via NRCan's 'Greener Neighbourhoods Pilot Program'.		
CEEP Action 6c: Finance and deliver mass deep energy retrofit program for the residential sector, scaling up to city-wide program considering development of a commercial retrofit program 2023-onwards Office of Climate Change Initiatives, Planning and Economic Development	Future proposed INDICATORS to assess a mass deep energy building retrofit program include: • Number of building retrofits completed. • Trends in energy use and emissions intensity over subsequent years by sector (residential, institutional, commercial, industrial) • Number of homes participating within neighbourhoods identified as having high energy burden.	Feasibility for expanding Better Homes Hamilton (as described above in Action 6.0 and 6b) will be considered through the pilot phase with recommendations to Council following completion of the 2- year pilot project.	Initial research on funding and administrative models for scale-up of residential program is underway. Staff to report back to GIC by Q4 2025 on results of pilot and future expansion of program.

Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments
Timelines	Supporting Information	Supporting Information	& Outlook
CEEP Action 7.0:	INDICATOR - Kilometers	INDICATOR - Kilometers of	Active Transportation
Expand and connect	of total cycling	total cycling infrastructure	Infrastructure planned for
active transportation	infrastructure and	and breakdown of type (new,	2025:
networks	breakdown of type (new,	upgraded, separated, multi-	 Separated: 7 km
	upgraded, separated,	use trail)	 Dedicated: 6 km
2022-onwards	multi-use trail)	 13.6 lane km of bike 	 Shared: 16 km
	 10.4 lane km of bike 	lanes were added in	
Transportation	lanes were added in	2024.	
Operations, Public	2023.	 Cycling infrastructure is 	
Works	Total of 11 cycling	now reported via the	
	infrastructure	categories of	
	projects were	separated, dedicated,	
	delivered in 2023 via	and shared:	
	a joint effort between	-Separated: 4.1 km	
	Transportation	-Dedicated: 3.2 km	
	Planning and Parking	-Shared: 6.3 km	
	(PED), and Transportation	Total of 10 cycling infractructure projects	
	Division, and	infrastructure projects were delivered in 2024.	
	Engineering Services	\$3.1 M was invested in	
	Division in Public	•	
	Works.	cycling infrastructure in 2024.	
	• \$1.393 M was	2024.	
	invested in cycling	INDICATOR - Kilometres of	
	infrastructure in	connected active	
	2023.	transportation networks.	
	*NOTE - City Council approved	• There are ~590 km of	
	acceleration of the Cycling Master	active transportation	
	Plan in 2023.	networks installed, or	
		~60% of the planned	

	Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments	
Timelines	Supporting Information	Supporting Information	& Outlook	
	Future potential INDICATORS for tracking progress with the expansion and connectivity of Hamilton's active transportation networks include: • Kilometers of connected active transportation networks. • Data regarding vulnerable roadway users - pedestrians, cyclists, high collision locations/intersecti ons (Annual collision report - via Vision Zero initiative - provides this information)	network, which totals 970 km. INDICATOR - Data regarding vulnerable roadway users - pedestrians, cyclists, high collision locations/intersections • Annual collision reports for 2024 from both City and Hamilton Police Services not available as of May 2025.		
CEEP Action 8.0: Decarbonize the bus fleet	INDICATOR – Track percentage/ number of decarbonized vs. fossilfuel powered buses	INDICATOR – Track percentage/ number of decarbonized vs. fossil-fuel powered buses (including	The City's Transit Division is on schedule to decommission all diesel buses by 2026, completing	
2022-onwards	(including 'fuel type' breakdown - diesel, CNG,	'fuel type' breakdown - diesel, CNG, RNG, etc.)	the full transition over to a CNG fleet.	
Transit Services, Public Works	RNG, etc.)	 By the end of 2024, 85% of HSR fleet was 		

Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments
Timelines	Supporting Information	Supporting Information	& Outlook
	By the end of 2023, 77.4% of HSR fleet was fuelled by compressed natural gas (CNG), an increase from 64% in 2023. The goal is to fully decommission all diesel buses by 2026. INDICATOR – Track number of decarbonized buses in operation. In 2023, there was one decarbonized bus in operation – an articulated bus powered by renewable natural gas (RNG).	fuelled by compressed natural gas (CNG), an increase from 77.4% in 2023. HSR is on track to fully decommission all diesel buses by the end of 2026. INDICATOR – Track number of decarbonized buses in operation. In 2024 there were no decarbonized buses in operation as part of the HSR fleet. Exploration of fleet decarbonization not expected to start prior to 2026. HSR runs 42 buses utilizing biodiesel fuel and introduced 1 EV to its operations vehicles (non-buses) fleet in 2024.	& Outlook
		technical analysis of bus charging and/or fuelling	

Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments
Timelines	Supporting Information	Supporting Information	& Outlook
		infrastructure required for	
	INDICATOR - Completion	fleet decarbonization.	
	of technical analysis of	 Exploration of any 	
	bus charging and/or	charging and/or fuelling	
	fuelling infrastructure	requirements will be	
	required for fleet	included in future in	
	decarbonization.	overall analysis of	
	 No update available 	transit fleet	
	for 2023	decarbonization	
		undertaken by HSR.	
CEEP Action 9.0: Plan	INDICATOR - Track user	INDICATOR – Track user	E-scooters expansion to
for and develop	statistics as e-mobility	statistics as e-mobility	Wards 6,7,8 and 14 is
expanded urban and	services are established.	services are established.	planned for 2025, with
rural transit service and	For April 3 —	 2024 brought 	approximately 300 e-
e-mobility services	November 20, 2023	expansions for both the	scooters to be made
	(first year of shared	Hamilton Bike Share	available in the expanded
2022-onwards	e-scooter system in	System and Bird e-	service area.
T " O ' D ! "	Hamilton) 450 e-	scooter system with	
Transit Services, Public	scooters were	new McMaster	
Works; Transportation	available within the	University financial	
Planning and Parking,	same service area as	agreements providing	
Planning and Economic	the bike share	student access to both	
Development	system, plus an	systems.	
	additional area east	600 e-scooters were	
	to Kenilworth	available in Wards 1, 2,	
	Avenue.	3, 4, 5 and 13.	
	119,283 trips were taken for a total of	• 155,043 trips were	
		taken for a total of	
	269,614km travelled.	317,302 kms travelled.	

	Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update & Supporting Information	2025 Accomplishments & Outlook	
	During the same period the bike share system had 900 bikes operating in the service area and saw 245,364 trips totalling 567,479km travelled.	 During the same period the bike share system had up to 900 bikes operating in the service area and saw 508,997 trips totalling 949,927 kms travelled. avoiding/reducing carbon emissions by 236,095kg CO2e. Active BikeShare members: 31,965 		
	INDICATOR - Track e- Scooter use in geographic areas identified as priority neighbourhoods where the private operator provides subsidized rates to users to facilitate access/ support mobility justice. • In 2023 there were a total of 2,462 trips that started or ended in these geographic zones. • Bird increased promotion of the discount in October	INDICATOR - Track e- Scooter use in geographic areas identified as priority neighbourhoods where the private operator provides subsidized rates to users to facilitate access/ support mobility justice: In 2024 there were a total of 7,760 trips that started or ended in these geographic zones Bird increased promotion of all their ride passes but focused attention on the equity		

	Low-Carbon Transformation #3: Changing How We Move			
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments	
Timelines	Supporting Information	Supporting Information	& Outlook	
	2023 Progress Update and Supporting Information 2023 and saw a large increase in rides as a result. INDICATOR – Track escooter and bikeshare trips per capita in priority neighbourhoods • Hamilton Bike Share's 'Everyone Rides Initiative' (ERI) was able to offer 200 additional subsidized ERI passes in 2023 for a total of 300 (vs 100 in 2022) through an 'E-Scooter Equity Fee' which is part of the Bird Canada escooter contract. • Bird's e-scooter trip	2024 Progress Update & Supporting Information pass for users in specific zones. • As forecasted, there was a sizeable increase in users of the equity pass and rides starting and ending in these geographic zones INDICATOR – Track escooter and bikeshare trips per capita in priority neighbourhoods • Hamilton Bike Share's ERI program was able to offer 426 subsidized passes in 2024 (42% increase from 2023) • Bird's subsidized rides tripled from 2023 to 2024 to 7,760 trips. • In 2025 the e-scooter fleet will be increasing by 300 vehicles so the Equity fee will increase	2025 Accomplishments	
	data also showed a steady increase in	providing additional funding to the ERI		
	monthly trips that started/stopped in	program. The number of ERI passes are expected to increase		

Low-Carbon Transformation #3: Changing How We Move				
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments	
Timelines	Supporting Information	Supporting Information	& Outlook	
	priority zones in 2023. INDICATOR - Track ttransit ridership and modal split trends over time HSR ridership experienced a substantial decline (47%) during the height of the pandemic, with levels decreasing from 21.6 million to 11.7 million riders. In 2023, ridership levels increased to 19.1 million - an 88% return of ridership levels. In March 2024, HSR reported that, for February 2024, ridership hit 102.1%, surpassing 2019 prepandemic levels.	alongside the e-scooter fee. INDICATOR - Track ttransit ridership and modal split trends over time • HSR ridership increased during 2024, with levels reaching 21.84 million riders, representing a 14.5% increase over 2023 and surpassing prepandemic ridership levels.	C. Cuttoon	

	Low-Carbon Transformation #3: Changing How We Move				
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments		
Timelines	Supporting Information	Supporting Information	& Outlook		
CEEP Action 10.0:	Terms of Reference for a	A competitive Request for	The EV Strategy RFP was		
Establish then	city-wide Electric Vehicle	Proposal (RFP) for a	finalized in late April 2025		
implement a city-wide	(EV) strategy were	consultant to develop the	and is to be released in Q2		
EV Strategy (residential,	developed and an internal	Strategy was expected to be	of 2025.		
commercial, and	Steering Committee	released in Q4 2024 but has			
municipal)	established in 2023.	been delayed to Q2 2025.			
2022-2025	Future proposed	Additionally, as part of Parking			
2022 2020	INDICATORS to track	Standards Review, new			
Transportation Planning	effectiveness of EV Strategy	zoning requirements were			
and Parking, Planning	implementation over time	developed to ensure new			
and Economic	include:	residential developments are			
Development	 Number of charging 	EV ready.			
,	stations per km2	·			
	 Kwh/day/month/yr 	The list of future proposed			
	at each station	indicators set out in 2023 will			
	Number of	be re-assessed once the EV			
	networked charging	Strategy is complete and			
	stations	being implemented.			
	42 parking spaces				
	(heads) located in 12	Corporate Fleet Breakdown			
	municipal parking	for Electric Vehicles (EV)			
	lots/stations.	between 2021-2024:			
	Excludes privately	• 2021 = 2			
	owned stations.	• 2022 = 0			
	Number of EVs	• 2023 = 13			
	Registered within	• 2024 = 73			
	Hamilton	Current Total (at end of			
	Number of public e- hike parking/	2024) = 88			
	bike parking/				

	Low-Carbon Transformation #3: Changing How We Move				
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments		
Timelines	Supporting Information	Supporting Information	& Outlook		
	charging facilities	Corporate Public Works Operational EV Infrastructure Breakdown as of 2024: • 12 City facility locations have EV Charging Infrastructure. • Total of 36 pedestals across these locations. • Total of 68 level 2 chargers across these	Corporate Public Works EV Infrastructure Outlook for 2025: • 330 Wentworth Ave = 11 Pedestals, 20 Level 2 Chargers will be operational in Q3 2025		
CEEP Action 11.0: Commercial Fleet Decarbonization Work Group 2022-onwards Office of Climate Change Initiatives (co- ordinating role), Planning and Economic Development	Work on this action was not initiated in 2023. Future proposed INDICATORS include: Number of private fleet operators committing to transition to net zero by 2050 via a fleet decarbonization plan	locations. Work on this action was not initiated in 2024.	No confirmed plans in place on this action for 2025. However, plans to convene local partners to explore, update a pathway forward to collaboration on a Hamilton Regional Decarbonization Hub could include this action moving forward.		
CEEP Action 12.0: EV mechanic training and retraining program 2022-onwards	INDICATOR - Number of trained/retrained low-carbon transportation mechanics. • Mohawk College partnered with the	INDICATOR - Number of trained/retrained low-carbon transportation mechanics. At the end of 2024 the Canadian Colleges for a Resilient Recovery (C2R2)	As of August 2024, Mohawk College saw a total of 45 learners enrol in the course offerings related to electric vehicle training during 2024.		

	Low-Carbon Transformation #3: Changing How We Move				
HCAS Actions &	2023 Progress Update and	2024 Progress Update &	2025 Accomplishments		
Timelines	Supporting Information	Supporting Information	& Outlook		
Office of Climate Change Initiatives (community co- ordinating role), Planning and Economic Development; Fleet Services, Corporate Asset Management, Public Works	Canadian Colleges for a Resilient Recovery (C2R2) offered a total of 8 micro-credential courses related to electric vehicle training. Mohawk College offered 1 of those 8 micro- credentials and had a total of 44 learners enrolled in 2023.	provided the following stats related to the course offerings and enrolments associated with Electric Vehicles: • Total number of course offerings Canada-Wide = 10 • Total number of learners enrolled Canada-Wide = 601 • Total number of courses offered at Mohawk College = 1 • Total number of learners enrolled at Mohawk College = 45			
CEEP Action 13.0: Limit parking in the downtown core and promote EV parking 2022-2025 Transportation Planning and Parking, Planning and Economic Development	Since 2018 a total of 502 parking spaces in the Downtown have been repurposed for development. This represents 15% of the public parking supply. The installation of 40 EV chargers in public lots was completed in early 2023. The Parking Master Plan has been adopted, with	Public information meetings were held in January 2024, and the New City-Wide Parking Standards were presented at the City's Planning Committee in February 2024. The new standards were approved by Committee and Council but have been appealed to the Ontario Land Tribunal.	The outcome of the Ontario Land Tribunal appeal is still pending as of May 2025.		

	Low-Carbon Transformation #3: Changing How We Move					
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update & Supporting Information	2025 Accomplishments & Outlook			
	emphasis on integrating parking supply with new development and supporting expansion of EV parking infrastructure. Draft updated parking standards, including eliminating parking minimums in some areas of the City and establishing zoning requirements for EV parking, were approved for consultation in August 2023.					

	Low-Carbon Transformation #4: Revolutionizing Renewables			
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook	
CEEP Action 14.0:	During 2023, City staff	During 2024, staff continued	The Office of Climate	
Develop a next	participated in Independent	to participate in IESO regional	Change Initiatives is	
generation electrical	Energy Service Operator	planning efforts and met,	currently working with a	
grid	(IESO) southwestern	along with other staff from	team of graduate students	
	regional planning processes	Planning & Economic	from the McMaster W.Booth	
2022-onwards	that have also engaged our	Development, with local utility	School of Engineering's	
	applicable Local Utilities.	Alectra to discuss system	Masters of Engineering and	
Office of Climate	City staff also participate in	needs and constraints.	Public Policy program, to	
Change Initiatives (co-	organizations (e.g. Clean Air		explore current policy	
ordinating role for	Partnership, Bay Area	In Q4 of 2024, Departmental	opportunities and	
community), Planning	Climate Chance Council)	direction was given to	challenges both municipally	
	that advocate to the IESO	establish an internal Director-	and provincially, when it	

Low-Carbon Transformation #4: Revolutionizing Renewables				volutionizing Renewables	
HCAS Actions &	2023 Progr	ess Update and	2024 Progre	ess Update and	2025 Accomplishments &
Timelines	Supporting Information		Supportin	g Information	Outlook
and Economic	and other pr	ovincial	level 'Energy	Transformation	comes to transitioning to a
Development	agencies on	the importance	Roundtable' t	o facilitate	'next generation' electricity
	of a next ge	neration grid.	corporate-wic	le efforts around	grid, and supporting
			_	e transition to a	distributed energy
				on electrical grid	resources, including
				to complete a	renewable energy and
			long-term ele		energy storage systems.
				net zero future	
			and significar		The regional Bay Area
			electrification		Climate Change Council is
	INIDIOATOR		community th	ere.	currently working to
	INDICATOR		Th	-4:11 1 4 -	convene community
	trends with			still a need to	partners and interested
	Electricity E	missions	explore the co		community members
	Factors:		new connecti	asy program for	around the need to support electrical grid transitions
	Year *Annual		electricity grid		required to realize net zero
	l tai	Average	and EV charg		in Hamilton and Burlington.
		Emissions	and Ev ondry	ing otations.	BACCC is organizing its
		Factor	INDICATOR	- Monitor trends	2025 Annual Forum around
	2023	67	with Ontario		this topic, including
	2022	51	Emissions F		consideration of energy
	2021	44			justice.
	2020	36	Year	*Annual	
	2019	29		Average	
	2018	29		Emissions	
	2017	18		Factor	
	*Source – The Atmospheric		2024	*not yet	
	Fund	•		published	
	The Annual	Average	2023	67	

Low-Carbon Transformation #4: Revolutionizing Renewables				
HCAS Actions &	2023 Progress Update and	2024 Progre	ess Update and	2025 Accomplishments &
Timelines	Supporting Information	Supportin	g Information	Outlook
Timelines	Emissions Factor is a measure of the average amount of carbon emissions produced per kilowatt-hour (kWh) of electricity consumed in Ontario. As more natural/methane gas is added to power the grid, the AEF or carbon intensity of the grid increases. INDICATOR - Track system investments by Alectra, Hydro One, IESO, and/or the Province:	2022 2021 2020 2019 2018 2017 *Source – The A INDICATOR investments Hydro One, I Province:	51 44 36 29 29 18 Atmospheric Fund	Outlook
CEEP Action 15.0: Encourage development of local renewable energy cooperatives 2022-onwards Office of Climate Change Initiatives (co- ordinating role for community), Planning	No data gathered for 2023. No efforts were initiated in 2023 to encourage the development of local renewable energy cooperatives. Future potential INDICATORS include: Number of cooperatives established.	challenge has elimination of feed in tariffs	urage the of local ergy An on-going s been the incentives like to encourage t of community-	

	Low-Carbon Transformation #4: Revolutionizing Renewables			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
and Economic	 MW of renewable 			
Development	energy generation			
	systems installed			
	by cooperatives			
	(existing coops, and			
	total MW existing in			
	Hamilton)			
CEEP Action 16.0:	Future potential	There is currently work		
Implement strategic	INDICATORS include:	underway through the City's		
renewable solar energy	 kWh of renewable 	Corporate Net Zero Roadmap		
installations	energy supplied	for both deep energy retrofits		
2222 2225	corporately (City of	and strategic solar renewable		
2022-2025	Hamilton).	energy installations:		
0.65	MW of renewable	Tender-ready Harry		
Office of Climate	energy capacity	Howell Arena project–		
Change Initiatives (co-	installed	250-kW solar project		
ordinating role for	community-wide	estimated at \$1.1M in		
community), Planning	Local outcomes via	2023 dollars		
and Economic	provincial 'requests	Con OFFR Antion F O above		
Development	for proposals' for	See CEEP Action 5.0 above		
Corporate Escilities and	renewable energy	for list of other municipal		
Corporate Facilities and Energy Management,	projects.	renewable energy projects for which technical and financial		
Public Works				
L ADIIC AAOLV2		business cases are currently		
		being developed. More funding is required to make		
		these projects reality.		
CEEP Action 17.0:	The City's Central	The RFP for Phase 2 – to	The Request for Proposals	
Technical feasibility	Composting Facility (CCF)	identify a solution for the	for Phase 2 was released	
study of expanded	currently has a processing	future of organics processing -	mid-February and closed	

	Low-Carbon Transformation #4: Revolutionizing Renewables				
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
anaerobic digestion	cap of 20,000 tonnes	was not released by	March 7 th , 2025.		
facilities	annually.	procurement by the end of the			
		year. We are anticipating a Q1	The Phase 1 organics		
2023-2025	In 2023, the City initiated a	2025 release of the RFP and	opportunities report is		
	technical feasibility study to	reporting by the end of 2025.	complete. The study		
Hamilton Water and	identify the best option for		focused on the organics		
Waste Management	increasing capacity at the	Funding was provided in 2024	facility and recommended		
Division, Public Works	CCF, taking into	from the City's Climate	further investigation into the		
	consideration the capacity	Change Reserve to support	option of wet anaerobic		
	and potential for RNG	this feasibility study (\$250k)	digestion, as it yielded the		
	production and local utilization.	Evnanding analyshis	highest potential of RNG		
	utilization.	Expanding anaerobic digestion facilities: Hamilton	capture.		
		Water's Woodward			
		Wastewater Capital program			
		includes an assessment of the			
		digester complex and what			
		digestion capacity is needed			
		to service and expand the			
		WWTP. By nature, expanding			
		anaerobic digestion capacity			
		to accommodate increased			
		wastewater flows will increase			
		the production of sludge and			
		biogas. Increased biogas			
		production will be used to			
		generate increased volumes			
		of renewable natural gas or			
		increased green electricity.			
		The renewable energy			

Low-Carbon Transformation #4: Revolutionizing Renewables				
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook	
		portfolio is guided by the Corporate Energy Office.		
CEEP Action 18.0: Technical analysis of green hydrogen potential, costs, as well as actions to increase green hydrogen deployment in the City through the creation of a hydrogen hub. (Part of CEEP Actions #1-3) 2024-2025 Joint collaboration between: Chief Digital and Innovation, City Manager's Office; Office of Climate Change Initiatives and Economic Development Division, Planning and Economic Development	See update on Action 1.0 above. Hamilton Regional Decarbonization Hub mandate, although not 100% confirmed, will include feasibility assessments of clean technology (e.g. green hydrogen) to begin accelerating pilot initiatives and study the potential for scaling up.	In late 2024, the Transition Accelerator, with support from the Province of Ontario (via the IESO) completed a report that 'examines the potential pathways for adopting and integrating hydrogen into Ontario's electricity system'. The study included a specific assessment of Hamilton as a hydrogen hub, given the presence of steel manufacturing and the long- term plans to utilize hydrogen to transition to clean steel production.	City staff, led by the Economic Development Division and supported by the Office of Climate Change Initiatives, will continue with efforts to explore the potential for a hydrogen hub in Hamilton, including review of the work of Transition Accelerator, as a pathway forward is determined.	
CEEP Action 19.0: Decarbonize and expand HCE downtown district energy system	During 2023 City staff participated on the Hamilton Community Enterprises (HCE) technical steering committee for the Energy	Progress has continued during 2024 with efforts to advance HCE's Energy Harvesting Feasibility Study, including next steps for	HCE is leading the Steelport Energy Advantage initiative, leveraging both public and private sector investment to decarbonize Hamilton's	

	Low-Carbon Transformation #4: Revolutionizing Renewables			
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
2023-2025 Office of Climate Change Initiatives (co- ordinating role for the City), Planning and Economic Development	Harvesting Feasibility Study with a goal of developing a scalable model for low-carbon building heating using residual waste heat from industry. Future potential INDICATORS to track successful decarbonization and expansion of HCE's downtown district energy system: • Private sector uptake of district energy municipal incentive programs for buildings. • Gigajoules of	making the proposed project reality, including a business case for the initiative. INDICATOR - Private sector uptake of district energy municipal incentive: • One development applied to the City's incentive program to become district energy ready. The project is located downtown and consists of an 8- and a 9-storey building with a total of 126 residential units and 450 m2 of atgrade commercial space.	portlands while also driving economic prosperity. The initiative is expected to generate \$3.8 billion in economic value and create 23,000 jobs across the Greater Toronto and Hamilton Area. HCE is currently working with Steelport's Project Partners to develop an Integrated Energy Strategy that will reduce peak energy demand, enhance power resiliency, decarbonize operations, and increase energy affordability. The initial results of both	
CEEP Action 20.0: Technical + financial	residual heat harnessed through the future energy harvesting system See waste management updates provided in Action	See waste management updates provided in Action	projects are expected in late 2025.	
analysis for expanded organics collection and diversion	17.0 above.	17.0 above.		

	Low-0	Carbon Transformation #4: Rev	olutionizing Renewables
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
2022-onwards	Future proposed INDICATOR. • Tonnes of organics		
Waste Management Division, Public Works	diverted from landfill.		

Low-Carbon Transformation #5: Growing Green				
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook	
CEEP Action 21.0	Phase 2 of the City Planning	Phase 2 of the MCR work will	Phase 2 is anticipated to	
Review & update	Division's Municipal	be ongoing in 2024.	restart in 2025 subject to	
Official Plan to address	Comprehensive Review		work plans and changing	
climate change and	(MCR) work – which will	INDICATOR – Terms of	priorities.	
energy policies	include addressing the	Reference within Official		
	elements of Action 21 - was	Plan related to climate	Targeting Q4 2025 for	
2022 – onwards	delayed as a result of	change and climate equity	completion of all Terms of	
	changing provincial planning	The Terms of Reference work	Reference.	
Planning Division,	policy causing planning staff	will be ongoing in 2024. This		
Planning and	to adjust work plans.	work was delayed because of		
Economic Development		changing provincial planning		
	INDICATOR – Terms of	policy in 2024 causing		
	Reference within Official	planning staff to adjust work		
	Plan related to climate	plans		
	change and climate equity			
	The Terms of Reference for	INDICATOR - Percentage of		
	Climate Change Official Plan	new residential units within		
	work was delayed as a result	walking access to transit,		
	of changing provincial	active transportation		
	planning policy causing	routes, green space.		
	planning staff to have to	The tracking of this data will		

Low-Carbon Transformation #5: Growing Green				
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
	pivot with work plans	be established in 2025 by GIS		
		staff. Reporting on 2025 will		
	FUTURE INDICATORS	be reported on in 2026.		
	INDICATOR - Percentage			
	of new residential units			
	within walking access to			
	transit, active			
	transportation routes,			
CEEP Action 22.0:	green space. Completion of an Official	The review of the secondary	These processes will	
Integrate community	Plan review related to	plans was delayed because	continue over the next	
energy/climate action	secondary plan requirements	of changing provincial	several years. A Terms of	
policy directions into	has yet to be completed.	planning policy in 2024	Reference for an Energy	
Secondary Plans	, ,	causing planning staff to	and Environmental	
,	INDICATOR - Number of	adjust work plans.	Assessment will be	
2022 – onwards	secondary plans	,	completed.	
	integrating energy/ climate			
Planning Division,	action policy direction:			
Planning and	 Work has been 			
Economic Development	slowed due to			
	changing provincial			
	policy requiring			
	planning staff to			
OFFD Action 22 0: Cot	adjust work plans.	INDICATOR Number of	The Constant and	
CEEP Action 23.0: Set	INDICATOR - Number of	INDICATOR - Number of	The Forestry and Horticulture Division's tree	
a target of 50,000 trees planted per year within	trees planted annually through City's Forestry &	trees planted annually through City's Forestry &	planting target for 2025 is	
City boundaries	Horticulture Division.	Horticulture Division.	20,000 trees.	
Oity Bourdanes	Total number of trees added	Total number of trees added	20,000 11003.	
2022 – onwards	to Hamilton's Tree Canopy	to Hamilton's Tree Canopy by	The Office of Climate	

Low-Carbon Transformation #5: Growing Green					
HCAS Actions &	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
Office of Climate Change Initiatives, Planning & Economic Development (co- ordinating role for community) Environmental Services Division, Public Works	by Forestry was15,256 for 2023 surpassing the goal of 12,000. Of this 15,256 total: • 3,536 were provided to residents through the 2023 Free Tree Giveaways • 1000 were given to students at the Hamilton Children's Water Festival, • 3,927 were planted on City land via community volunteer planting events. • 6,779 were planted through the Forestry Operations Group in parks, cemeteries, streets, and public golf courses. INDICATOR - Number of trees planted annually through the efforts of community partners including conservation authorities, Royal	Forestry was 19,659 for 2024 surpassing 2023 by 4,403 trees. Of this 19,659 total: • 5,003 were provided to residents to plant on their private property through the 2024 Free Tree Giveaways • 6,775 were planted on City land via community volunteer planting events. • 6,500 were planted through the Forestry operations group in parks, cemeteries, streets, and city facilities. • 1,381 were planted through naturalized tree planting. INDICATOR - Number of trees planted annually through the efforts of community partners including conservation authorities, Royal Botanical	Change Initiatives will continue to improve the methods it uses to track the number of trees planted by community partners and other non-municipal entities. Work is currently underway to measure the canopy cover of the entire City area within the urban boundary for 2024. Staff will provide an update on this effort in 2025 through the City's first State of the Forest report.		

	Low-Carbon Transformation #5: Growing Green				
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook		
	Botanical Gardens, environmental organizations. Community partners planted a total of 32,578 trees on public and private land as follows: • Area Conservation Authorities – 28,083 • Environmental Not-For-Profits – 1,651 • Royal Botanical Gardens – 2,238 • McMaster/Mohawk – 626 TOTAL Trees planted by City and community partners in 2023 = 47,834 *This total does not include trees purchased and planted by residents, businesses, industry, and other private property owners. It is reasonable to conclude that the 50,000-tree target has likely been met and surpassed in 2023.	Gardens, environmental organizations. Community partners planted a total of 35,823 trees and 315 shrubs on public and private land as follows: • Area Conservation Authorities – 32,290 trees and 295 shrubs. • Environmental Not-For-Profits – 1,704 trees and 20 shrubs. • Royal Botanical Gardens – 821 trees. • McMaster/Mohawk – 1,008 trees. TOTAL Trees planted by City and community partners in 2024 = 55,482.			

Hamilton's Climate Change Impact Adaptation Plan Update on 2023 Calendar Year Progress

	Enabling Actions within Hamilton's Climate Action Strategy					
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook			
E.1 - Establish a Climate Change Office with staff dedicated to implementing and tracking the Climate Change Impact Adaptation Plan.	The Office of Climate Change Initiatives was established in November 2022. A Senior Project Manager was transferred into the Office in November 2022, a Director was hired in December 2022, and a new Senior Project Manager and Project	An additional Project Manager was formally transferred to the OCCI from Healthy & Safe Communities Department in 2024, bringing the staff complement up to five full-time positions. OCCI staff continued, during				
Planning & Economic Development	manager were funded in the 2023 Municipal Budget and hired during the summer of 2023. During 2023 staff in the OCCI facilitated and tracked progress with implementation of the CCIAP.	2024, to determine how to support CCIAP implementation.				
E.2 - Designate key metrics for climate impacts in the City and task staff with collecting and tracking data over time (e.g. traffic accident reports, basement flood reports, etc.). Office of Climate	Preparation for the 2023 data collection process involved the establishment of a draft list of priority indicators for key actions set out in the CCIAP. This process involved engaging other City staff – a process that was coordinated through the director-level Climate Change Initiatives Steering	In keeping with the commitment to continue to refine and improve indicators utilized to track progress with implementation, an opportunity was provided again in 2024 for City staff and for members of the Climate Change Advisory Committee to provide feedback on priority indicators				

	Enabling Actions within Hamilton's Climate Action Strategy					
HCAS Actions & Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook			
Change Initiatives, Planning & Economic Development (in collaboration with internal Climate Change Initiatives Steering Committee)	Committee. Input was also sought from community members serving on the City's Climate Change Advisory Committee.	being used. This practice will continue, in recognition of the reality that establishing and applying indicators needs to be an iterative process that is responsive to emerging issues and lessons learned as implementation efforts proceed.				

Resilient Theme #1: Built Environment						
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &			
Timelines	Supporting Information	Supporting Information	Outlook			
CCIAP Action 1.1:	During 2023 work progressed	Green Standards and	The City's new Green			
Develop requirements	with the development of both	Guidelines for Site Servicing	Standards and Guidelines for			
for the incorporation of	low impact development	were approved by the City's	Site Servicing came into force			
Low Impact	guidelines – referred to as	Planning Committee, along	January 1, 2025.			
Development (LID)	Green Standards and	with proposed Green Building				
features and green	Guidelines for Site Servicing	Standards, on October 1,	The following INDICATORS			
infrastructure into new	(Stormwater Management)	2024.	will be used to track progress			
development and	and Green Building		with implementation of these			
redevelopment projects	Standards for the City of	Green Standards &	new guidelines (originally			
and consider watershed	Hamilton.	Guidelines for Site Servicing in	proposed indicators have			
and landscape scales in		effect Jan 1, 2025, at which	been further refined based on			
the development of	Future proposed	time tracking of volume will	feedback from staff			
plans and objectives.	INDICATORS to track	take place.	responsible for tracking):			
	progress with implementation	Back-tracking of past	 Volume of 			
Long-term (>5 years)	of these new guidelines:	voluntary volume diversions	stormwater diverted			
		will take place in 2025	from the municipal			
Growth Management,			system.			

Resilient Theme #1: Built Environment					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
Planning and Economic Development	 Number of LID features implemented. Area covered by LID feature and associated diversion of stormwater. Locations of LID features reported in site plans. Watershed conditions in priority areas (i.e. water quality, erosion sites, etc.) 	following implementation of the LID tracking project. • Developed framework for the tracking of LIDs including critical elements (volume, release rate, Water Quality Retention Target, etc.). • Back-tracking of voluntary volume diversions will take place in 2025 following implementation of the LID tracking project.	 Number of ground-based LID features implemented and the impact of these features where stormwater control/diversion is concerned. Number of building-based LID features implemented and the impact of these features where stormwater control/diversion is concerned. Geographic locations of LID features mapped in approved site plans using GIS data sets. 		
CCIAP Action 1.2: Develop guidelines and incentives for homeowners and landlords to improve the resilience of residential buildings to climaterelated risks through upgrades and/or	Efforts were accelerated during 2023 to develop a stormwater fee including exploration of incentives/ credits to support on-property stormwater management measures as an integral part of the fee framework.	The incentives program that accompanies the Stormwater Rate Structure was presented to the City's General Issues Committee on June 5th, 2024. INDICATOR – Annual uptake in City's Protective Plumbing Program:	The City's new stormwater fee will be implemented in April 2026. The fee framework includes two programs for property owners: Rain Ready Rebate:		

Resilient Theme #1: Built Environment						
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &			
Timelines	Supporting Information	Supporting Information	Outlook			
retrofits. Short-term (<2 years) Hamilton Water (lead for stormwater fee development), Public Works Office of Climate Change Initiatives (lead for Better Homes Hamilton Pilot), Planning and Economic Development	Future proposed INDICATORS to track the impact of the stormwater fee incentive/ credit programs may include: • Number and type of on-site stormwater management enhancements accessed by residential homeowners through incentive program. • Number and type of benefits resulting through the stormwater management credit program proposed for Industrial, Commercial & Institutional properties. INDICATOR – Annual uptake in City's Protective Plumbing Program: • A total of 349 backwater valves were	 A total of 216 backwater valves were installed through the program in 2024 (4 sump pumps in conjunction with a backwater valve). 57 downspouts were disconnected at properties through the program in 2024. 	 Launched April 2025 Partnership with Green Venture For residential properties with <7 units. As much as \$5,000 in funding for low impact development including rain gardens, green roofs, permeable paving. Stormwater Management Infrastructure Credit: Up to 50% reduction in stormwater fee when measures put in place to reduce runoff or improve water quality. For residential properties >7 units, and commercial properties. Credit program is now open, and credits will be applied when the fee is implemented in 2026. 			

Resilient Theme #1: Built Environment					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
	installed through the		Methods will continue to be		
	program in 2023.		refined for tracking uptake of		
	 31 downspouts were 		building upgrades/ retrofits,		
	disconnected at		including exploring the		
	properties through the		possibility of tracking relevant		
	program in 2023.		building permit data.		
	See CEEP Action 6 above				
	for a list of future				
	INDICATORS that will be				
	used to track progress with				
	building retrofits, including the				
	Better Homes Hamilton				
00140 4 - 11 4 0	initiative.		L M L 2005 O "I		
CCIAP Action 1.3:	Flooding and Drainage	Efforts have continued into	In March 2025, Council		
Conduct more studies or reviews to determine	Improvement Framework – Environmental Assessments -	2024 to address stretches of	approved a 4-year extension of funding for the Niagara		
flooding and other risks	first one to be initiated Q4	trail, shoreline and other City amenities impacted by	Escarpment Project – a		
throughout the City &	2023, with more EAs to be	extreme weather events:	collaborative study with		
develop plans (e.g.	completed in future years in	The Mountain Brow Rail	experts from McMaster		
relocating sites where	other parts of the combined	Trail - from Mohawk	University that is focused on		
appropriate) to improve	sewer shed. Ultimately these	Sports Park to	assessing challenges with		
the resilience of	EAs will likely point to	Corktown Park – has	wind and water erosion along		
infrastructure (i.e.	infrastructure solutions such	been changed by	the Niagara Escarpment. The		
buildings, roads,	as green infrastructure and	storms and studies are	goal is to develop a		
water/wastewater	sewer separation.	ongoing to assess the	'comprehensive erosion risk		
infrastructure, etc.) to		impacts to this	map' for Hamilton which will		
climate-related risks	Future potential	landscape.	'inform short and long-term		
from extreme weather	INDICATORS to track	Stormwater	remediation strategies and		
and temperatures.	progress with studies and	management issues	future budget planning to		

	Resilient Theme #1: Built Environment				
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
	reviews to determine flooding	have been identified at	support erosion mitigation on		
Medium-term (2-5	and other climate impact	Hamilton Cemetery	the escarpment'. See Report		
years)	related risks from extreme	 Geotechnical studies 	PW25004.		
	weather and temperatures:	have been undertaken			
Hamilton Water, Public	 Percentage of the 	at Sam Lawrence Park			
Works	City that has been	for escarpment			
	studied (geographic	pathways.			
	metric) as part of	 Confederation Beach & 			
	Flooding and	Hamilton Beach			
	Drainage	Shoreline Management			
	Improvement	Master Plan initiated in			
	Framework	2024 in response to fact			
	Number/ size of	that shorelines of			
	impacted sites along	Hamilton Beach,			
	the waterfront and	Confederation Beach,			
	Escarpment face that	and the adjacent			
	require mitigation	Breezeway Trail have			
	due to climate-related	been impacted by			
	weather impacts	erosion and flooding			
	(roadway	due to increased			
	infrastructure, trail	extreme high-water			
	infrastructure)	levels and more			
		frequent intense storm			
	INDICATOR - Number of	events.			
	flood-related calls and				
	geographic distribution of	INDICATOR - Number of			
	those calls	flood-related calls and			
	2023 numbers broken	geographic distribution of			
	down by municipal	those calls			
	ward:				

	Resilient Theme #				
HCAS Actions and Timelines	_	ss Update ar g Information		2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
	20 P	e flooding)	The City's access to data on flood-related calls was impacted by the cyber incident. The data available is not representative of the full year's worth of incidents and is, therefore, not being reported for 2024.	

CCIAP Action 2.1: INDICATOR - Number of kilometers of sidewalks cleared. Starting in November 2022, Transportation increased kilometers of sidewalks maintained during the winter from 397km to 866km. Transportation Division presented Information Division presented Information Division presented Information Division preservice at this time. Starting in November allocated for the new yearous options to enhance the levels of service grows on sewer main and the services operate. 2022 Progress Update and Supporting Information 2024 Progress Update and Supporting Information 2024 Progress Update and Supporting Information 2024 Progress Update and Supporting Information 2025 Accomplishments & Outlook Outlook	Resilient Theme #1: Built Environment					
21 Sewer backup on sewer main 820 Sewer lateral backup in basement	HCAS Actions and	2023 Prog	ress Update and	2024 Progress Update and	2025 Accomplishments &	
CCIAP Action 2.1: Improve winter travel conditions through further expanding sidewalk clearing.	Timelines	Supporti	ing Information	Supporting Information	Outlook	
CCIAP Action 2.1: Improve winter travel conditions through further expanding sidewalk cleared. Short-term (<2 years) Short-term (<2 years) Short-term (> Public Works INDICATOR – Number of kilometers of sidewalks cleared. Starting in November 2022, Transportation increased kilometers of sidewalks maintained during the winter from 397km to 866km. Transportation now clears all sidewalks along Priority 1 & 2A roadways where transit services operate. On December 3, 2023, the Transportation Division presented Information Report PW23077 to Council. The report outlined various options to enhance the levels of service for sidewalk snow clearing. However, no approval was given to expand		21	Sewer backup			
CCIAP Action 2.1: Improve winter travel conditions through further expanding sidewalk clearing. Short-term (<2 years) Roads Operations, Public Works Public Works INDICATOR – Number of kilometers of sidewalks cleared. • Starting in November 2022, Transportation increased kilometers of sidewalks maintained during the winter from 397km to 866km. • Transportation now clears all sidewalks along Priority 1 & 2A roadways where transit services operate. On December 3, 2023, the Transportation Division presented Information Report PW23077 to Council. The report outlined various options to enhance the levels of service for sidewalk snow clearing. However, no approval was given to expand			on sewer main			
CCIAP Action 2.1: Improve winter travel conditions through further expanding sidewalk clearing. Short-term (<2 years) Short-term (<2 years) Short-term (<2 years) Short-term (<2 years) Consequember 21, 2023, the cleared. Starting in November 2022, Transportation increased kilometers of sidewalks maintained during the winter from 397km to 866km. Transportation now clear all sidewalks along Priority 1 & 2A roadways where transit services operate. On December 3, 2023, the Transportation Division presented Information Report PW23077 to Council. The report outlined various options to enhance the levels of service for sidewalk sugar on approval was given to expand		820	Sewer lateral			
INDICATOR - Number of kilometers of sidewalks cleared. Starting in November sidewalk clearing. Starting in November 2022, Transportation increased kilometers of sidewalks maintained during the winter from 397km to 866km. Transportation now clears all sidewalks along Priority 1 & 2A roadways where transit services operate.			•			
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PW23077 to Council. The report outlined various options to enhance the levels of service for sidewalk snow clearing. However, no approval was given to expand Snow Angels program for help with snow clearing: • 2023 – 24 Winter Season – 67 households applied for the new 'snow clearing		•			l cleaning subsidy program.	
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of service for sidewalk snow clearing. However, no approval was given to expand Season – 67 households applied for the new 'snow clearing		•		l -		
clearing. However, no households applied for approval was given to expand the new 'snow clearing						
approval was given to expand the new 'snow clearing						
				• •		
THE SERVICE ALTHS TIME SUPSIGY TAUDCDEG IN			•	subsidy' launched in		

Resilient Theme #1: Built Environment					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
		2023 and 44 of those			
	INDICATOR - Number of	households were			
	resident requests to City's	approved. Requests for			
	Snow Angels program for	support were lower due			
	help with snow clearing:	to lack of snow.			
	 2022 – 23 Winter 	 Two other programs 			
	Season – 62	provided support for			
	households or 73% of	snow clearing in Winter			
	applicants were	2023-2024:			
	matched with a snow	 Flamborough 			
	clearing volunteer.	Connects –			
		supported 8			
		households with			
		6 volunteers but			
		had 3			
		households on a			
		wait list.			
		 Stoney Creek 			
		Outreach			
		Services			
		supported 105 seniors with 12			
		volunteers but			
		had 60 residents			
		on a wait list			
CCIAP Action 2.2:	In 2023, the City of Hamilton	INDICATOR – Annual	For future reporting, Hamilton		
Encourage and promote	and its partners offered	number of registered Smart	commuter data available		
safer travel practices,	several programs providing	Commute users	through the annual		
choices, and	equitable access to	In 2024 there were	Transportation Tomorrow		
alternatives through	sustainable transportation	1300 registered users	Survey will be utilized as it		

Resilient Theme #1: Built Environment					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
considering all users of Hamilton's	options including: Hamilton	on the City's Smart Commute tool and 669	provides a more statistically		
	Bike Share's 'Everyone Rides		rigorous assessment of any		
transportation network	Initiative' subsidized bike	residents completed	modal shift trends. TTS		
and by working with	share memberships, reduced	Smart Commute	occurs every 5 years – 2022		
local groups to create a	e-scooter fees in priority	surveys.	data was just released in		
communications	neighbourhoods, and	INDICATOR B	2024.		
campaign around the	subsidized and/or free HSR	INDICATOR – Responses	See:		
benefits of work-from-	transit fare programs.	regarding how commuters	transportationtomorrow.on.ca		
home		travel most frequently based			
	INDICATOR – Annual	on 2024 Smart Commute			
Medium-term (2-5	number of registered Smart	survey results:			
years)	Commute users	 48% drive alone. 			
	In 2023 there were	 18% use public transit. 			
Sustainable	1139 registered users	12% bicycle			
Transportation Division,	on the City's Smart	• 9% walk			
Planning and Economic	Commute tool and 913	 5% carpool/dropped 			
Development	residents completed	off/picked up.			
	Smart Commute	1% work remotely			
	surveys.	ĺ			
		INDICATOR - Number of			
	INDICATOR – Responses	Everyone Rides Initiative			
	regarding how commuters	subsidized bike share			
	travel most frequently	memberships provided each			
	based on 2024 Smart	year.			
	Commute survey results:	Hamilton Bike Share's ERI			
	55% drive alone.	program was able to offer 426			
	16% use public transit.	subsidized passes in 2024			
	8% bicycle	(42% increase from 2023)			
	6% carpool	(1275 11010400 110111 2020)			
	• 6% walk	INDICATOR - Number of			

Resilient Theme #1: Built Environment					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
IIMelines	 5% are dropped off/picked up. 3% work remotely INDICATOR - Number of Everyone Rides Initiative subsidized bike share memberships provided each year. Subsidized memberships increased from 100 in 2022 to 300 in 2023 as a result of support revenue generated through contract with e-scooter private operator. INDICATOR - Number of road accidents involving vulnerable road users and geographic locations of these incidents where they are located (via City of Hamilton Annual Collision Report and Hamilton Police Collision reporting) In 2023 Hamilton Police report that there 	road accidents involving vulnerable road users and geographic locations of these incidents where they are located (via City of Hamilton Annual Collision Report and Hamilton Police Collision reporting) -The 2024 City of Hamilton Annual Collision Report is not yet available as of May 2025 -The 2024 Year End Hamilton Police Collisions Report is not yet available as of May 2025 INDICATOR - Number of participants in subsidized HSR programs HSR revamped its fare subsidy programming in 2024, launching a new 'Fare Assist' program for eligible community members. • 5,889 people were approved for the Fare Assist program in 2024, which offers a 30% discount on HSR fares.	Outlook		

	Resilient Theme #1: Built Environment						
HCAS Actions and Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook				
	were 3 pedestrian fatalities and 1 cyclist fatality as a result of collisions with motor vehicles. The 2023 City of Hamilton Annual Collision report was not available at time of report preparation. Future potential INDICATORS to assess alternative transportation uses and equitable access: Number of participants in subsidized HSR programs						

F				
HCAS Actions and	HCAS Actions and 2023 Progress Update and 2024 Progress Update and			
Timelines	Supporting Information	Supporting Information	Outlook	
CCIAP Action 3.1:	During 2023 a Heat	The staff presentation of the		
Develop and implement	Response Strategy was	Heat Response Strategy to the		
a response program for	developed with input from	Public Health Committee in Q1		
vulnerable populations	community partners from the	2024 led to additional		
to protect residents	Extreme Heat Working	enhancements to 2024 heat		

R			
HCAS Actions and Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
from climate-related risks (i.e. extreme cold, extreme heat, etc.) Medium-term (2-5 years) Public Health Services, Healthy and Safe Communities	•		•
	(heat, cold, air quality	illness and deaths in	

F	Resilient Theme #2: People and Health				
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
	visits for residents of	through September using			
	Hamilton.	existing data sources and			
	 No data available for 	staffing resources with the			
	2023 - this indicator	following two components:			
	began reporting in	Surveillance of			
	2024	emergency department complaints; and,			
	INDICATOR - Number of	Annual assessments of			
	annual weather-related	heat-related emergency			
	(heat, cold, air quality	department visits,			
	related) deaths for	hospitalization visits and			
	residents of Hamilton.	deaths.			
	This indicator has a	This information will be used to			
	data lag period of	inform the service levels,			
	approximately 5 - 6	planning and evaluation in the			
	years and is provided	Health Hazards Program with respect to extreme heat			
	by the Ontario Ministry	response. Reporting on the			
	of Health's intelliHealth	health-related impacts of heat			
	system. Most recent	will be provided by Public			
	data available is from	Health.			
	2018 (BOH24005).				
	,				
	INDICATOR - Number of				
	weather-related (heat, cold,				
	air quality related)				
	paramedic calls for				
	residents of Hamilton.				
	 No data available for 				
	2023 - this indicator				

F			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Ilmelines	began reporting in 2024. INDICATOR - Air quality and health impacts tenant complaints. No 2023 data available due to database access issues In November 2023, the City launched a 'Winter Response Strategy' to support unhoused Hamiltonians during the period from Dec 1, 2023 – Mar 31, 2024. The program offered the following for those needing supports: Overnight warming bus Extended hours at some rec centres and HPL's Central Library 24-hr washrooms at 2 city parks 100 additional daytime shelter drop-in spaces	Supporting Information	Outlook
COLAD Action 0.0	warming spaces.	No about to the state of the OCCA	
CCIAP Action 3.2: Consolidate existing	During 2023 no progress was reported regarding efforts to	No changes to report in 2024.	

F			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
vulnerable persons'	consolidate existing		
contact lists and	vulnerable persons contact		
update/expand them to	lists.		
guide emergency			
response and/or other	The Health Hazards & Vector-		
assistance programs.	Borne Diseases program has		
Medium-term (2-5	proposed to maintain a		
years)	consolidated inventory of		
	agencies and/or city service		
Public Health Services,	providers that maintain lists		
Hamilton Paramedics,	that service vulnerable		
Healthy and Safe	clients, including Hamilton		
Communities	Police Service, City Housing		
	Hamilton, street outreach/		
	social housing organizations.		
	Hamilton Paramedics		
	currently maintains a database of clients who are		
	part of its Mobile Integrated		
	Health (MIH) program.		
	Preatti (Will I) program.		
	Future potential INDICATOR		
	designed to assess		
	effectiveness of a		
	consolidated vulnerable		
	persons registry:		
	Number of vulnerable		
	persons reached/		
	supported during an		

F	Resilient Theme #2: People and Health						
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &				
Timelines	Supporting Information	Supporting Information	Outlook				
	extreme weather						
	event/ climate-related						
	emergency.						
CCIAP Action 3.3:	In 2023, Licensing and Bylaw	A staff recommendation report	No 2025 date has been				
Coordinate local efforts	Services, in collaboration with	from Municipal Law	confirmed for when this report				
to address excessive	Public Health, was directed	enforcement, entitled	is scheduled to be presented				
indoor temperatures in	by Council to prepare an	'Amending the Property	to the City's Planning				
rental housing	Adequate Temperature Bylaw	Standards By-Law Respecting	Committee.				
	for City Council review and	Air Conditioning Appliances'					
Medium-term (2-5	approval in Q1 2024. A	was originally to have been					
years)	report authored by Municipal	presented to the Planning					
	Law Enforcement is going to	Committee in Q4 2024. The					
Joint effort between	Planning Committee in	report was not presented to					
Municipal Law	October 2024.	the Committee in 2024.					
Enforcement, Planning							
and Economic	Additionally, Public Health	INDICATOR - Number of					
Development; and	Services has initiated an	health promotion sessions					
Public Health Services,	outreach program targeting	delivered including number					
Healthy and Safe	landlords in areas of the city	of session attendees,					
Communities.	that struggle more with heat,	whether attendees are from					
	based on heat mapping data.	vulnerable groups, and					
		number of resources					
	INDICATOR - Number of	provided for heat-related					
	health promotion sessions	responses.					
	delivered including number	16 heat-related					
	of session attendees,	education and					
	whether attendees are from	awareness sessions					
	vulnerable groups, and	offered in 2024.					
	number of resources						

i i	Resilient Theme #2: People and Health					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &			
Timelines	Supporting Information	Supporting Information	Outlook			
	provided for heat-related	 148 promotional bags 				
	responses.	distributed to session				
	 1 pre-heat-season 	attendees.				
	education and					
	awareness webinar	INDICATOR - Number of				
	offered to members of	media releases on heat-				
	the Hamilton and	related topics				
	District Apartment	 Eight media releases 				
	Association (HDAA).	were issued to alert the				
	 7 Extreme Heat 	public to the four heat				
	Working Group	warnings that were				
	meetings among City	issued during 2024.				
	and community					
	partners toward	INDICATOR - Social media				
	development of the	(number of posts,				
	Hamilton Community	engagements, etc.)				
	Heat Strategy	• 7674 Views, 38,410				
	2 Community Heat	Impressions for heat-				
	Response Committee	related information.				
	(CHRC) meetings in					
	2024 to review 2023					
	Heat Response Plan					
	operational roles and					
	responsibilities and					
	debrief at end of heat					
	season. INDICATOR - Number of					
	media releases on heat-					
	related topics					

F			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	 Four media releases 		
	were issued to alert the		
	public to the four heat		
	warnings that were		
	issued during 2023.		
	INDICATOR - Social media		
	(number of posts,		
	engagements, etc.)		
	30 social media posts		
	on various heat-related		
	topics during 2023		
	(heat & extended heat		
	warnings, cancellation		
	of warnings, 'Heat		
	Wave Hero' landlord		
00140 4 545 5 5 4 5	messaging)	F#	
CCIAP Action 3.4:	CityHousing Hamilton	Efforts continue into 2024	
Align ongoing efforts within the City to	continued during 2023 to follow through on its	through CityHousing Hamilton and the Housing Secretariat to	
continue expanding	commitment to retrofit existing	promote climate resilient	
affordable housing to	units and build new social	features in new affordable	
protect vulnerable	housing units that are	housing.	
populations to reduce	constructed to climate	inousing.	
climate-related impacts	resilient, passive house	Social housing agencies on	
from extreme weather	standards. CHH has been	the community side continue	
and temperatures	successful with securing	on this front as well, utilizing	
	'green funding' from sources	Passive House design and	
Long-term (>5 years)	including the Federation of	other methods to provide	
]	Canadian Municipalities'	affordable, safe, healthy and	
Housing Secretariat,	Green Municipal Fund to	climate resilient housing for all.	

Resilient Theme #2: People and Health					
HCAS Actions and	2023 F	Progress	Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information			Supporting Information	Outlook
Healthy and Safe	support this transition to		ition to		
Communities	greener building			INDICATOR - Number of	
				high-performance units (e.g.	
		y's Housir	•	Passive House, CaGBC etc.)	
		iriat has al		in affordable housing	
		_	o encourage	complexes.	
		•	ate resilient	Projects allocated municipal	
			w housing	funding for 2024:	
		s it is work	ing to	- 315 units targeting Passive	
	facilitate	2 .		House Standard or equivalent.	
				- 175 units targeting PHIUS	
		TOR - Nu		certification.	
	afforda	ble housi	ing units	- 124 units targeting LEED	
				Gold certification.	
	Year	# New	# New	- 261 units targeting a 40%	
		Rent	Affordable	improvement on 2015 NECB.	
		Geared	Market	INDICATOR Average house	
		to	Units	INDICATOR - Average house price in Hamilton:	
		Income		The Housing Needs	
		(RGI) Units		Assessment shows, from 2015	
	2021	114	32	to 2024, single detached	
	2021	15	n/a	houses, row houses, and	
	2022	73	30	apartments all experienced	
	2023	13	30	increases:	
	INDICATOR - Number of high-performance units (e.g. Passive House, CaGBC etc.) in affordable		mber of	- Single detached houses:	
				Increase of 125.8%. From	
				\$395,408 to \$892,940.	
			•		
		g comple			

F	Resilient Theme #2: People and Health					
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &			
Timelines	Supporting Information	Supporting Information	Outlook			
	 The 73 RGI units with 	- Row houses: Increase of				
	a 2023 occupancy date	131.3%. From \$305,495 to				
	were built to National	\$706,747.				
	Energy Code/Ontario	- Apartments: Increase of				
	Building Code	118.9%. From \$221,288 to				
	standards.	\$484,346.				
	INDICATOR - Shelter	INDICATOR – Diversification				
	expansion and number of	of housing options (e.g. co-				
	individuals served through	ops, co-housing/co-				
	expansion.	ownerships):				
	 Housing Services 	The Housing Needs				
	Division reported no	Assessment found that there				
	net new shelter beds	is a need for the following				
	created in 2023	housing options:				
		- Increased primary rental				
	INDICATOR - Number of	units, including affordable				
	social housing units with	rental units, to meet growing				
	cooling interventions (fans,	demand. From 2021 to 2023,				
	AC, awnings, etc.)	the primary rental universe				
	Information about	declined by 526 units (-1.4%) to a total of 36,594 units,				
	number of units with	despite recent growth in				
	cooling interventions is	demand.				
	currently not available	- For greater diversity in				
	to the City's Housing Secretariat or to the	housing sizes, particularly				
	Housing Services	smaller ownership dwellings				
	Division.	and larger family-sized rental				
	DIVISION.	options. In 2021, the most				
		common dwelling type during				

F	d Health		
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	 INDICATOR – Average rental costs in the city. Average rent for all two-bedroom units rose to \$1,335 in Oct 2022, up 5% from \$1,271 in Oct 2021. Rents for vacant (available to rent) two-bedroom units in Hamilton jumped 12% between June 2022 and June 2023 to an average cost of \$2,298. Over the past decade, Hamilton rents for all units have risen 55% -more than double the 22% cost of living increase. 	this period was single-detached dwellings (56.2%). In 2021, the purpose-built rental market supply is skewed differently, with only 2,544 units (7.3%) with 3+ bedrooms, and a large household (3+ people) proportion of 40%. - For housing to support an aging population, including affordable aging-in-place and supportive housing. Older adults (65+ years) were the second fastest growing population (+12.2%) between 2016 and 2021.	
	INDICATOR – Average		
	house price in Hamilton		
	Hamilton's average		
	house price in June 2023 was \$831,540,		
	down 3.6% from the		
	June 2022 average of		

R	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	\$863,016 but still		
	substantially above the		
	winter 2020 pre-		
	pandemic value of		
	\$607,939.		
	INDICATOR –		
	Diversification of housing		
	options (e.g. co-ops, co-		
	housing/co-ownerships)		
	These details will be		
	provided in the Oct		
	2024 Housing Needs		
	Assessment.		
CCIAP Action 4.1:	During 2023, the Office of	During 2024, the Office of	In 2025, the Office of Climate
Create educational	Climate Change Initiatives	Climate Change Initiatives has	Change Initiatives is
campaigns on	began to create a	continued to develop	continuing to enhance its
communicating the risks	communications strategy and	engagement tools - including	outreach efforts, both
associated with climate	develop associated outreach	presentations, social media	internally and across the
change (i.e. health	tools to engage and inform	posts, website updates – to	community. Internal 'Learning
impacts, property	the community. These efforts	raise public awareness about	Sessions' are being hosted in
damage, etc.) and what	continued to evolve over the	the risks that the climate	the first half of 2025, to
residents can do to	year and included	emergency is bringing.	provide staff across various
prepare (GDS, LID,	implementation of elements of		divisions with an opportunity
etc.)	the communications strategy.	INDICATOR - Tracking	to learn about Hamilton's
	WID10470D T 11	public engagement	Climate Action Strategy and
Short-term (<2 years)	INDICATOR - Tracking	including number of public	how certain actions within the
Office of Oliverate	public engagement	events attended,	Strategy relate to their work at
Office of Climate	including number of public	number of presentations,	the City.
Change Initiatives,	events attended, number of		

F	Resilient Theme #2: People and	d Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Planning and Economic Development	presentations, and audience size, diversity of audiences etc. • 1,100+ residents reached via 17 community presentations about Hamilton's Climate Action Strategy • Tabled at 3 community events including Open Streets, HamOnt Youth Summit, Urban Indigenous Festival. • Participated in urban community hikes focused on profiling community climate action through greening. INDICATOR - City website and social media posts analytics (e.g. number of visits, material downloads, etc.) • Social media data unavailable	and audience size, diversity of audiences etc. • 2,000+ residents reached via 27 community presentations, events. • Tabled at various community events including Open Streets x 2, HamOnt Youth Summit. INDICATOR - City website and social media posts analytics (e.g. number of visits, material downloads, etc.) • Social media posts = 33 • Impressions = 96,250 • Engagements = 10,500	Plans are underway for the latter half of 2025 to hold community information and engagement sessions at locations like Hamilton Public Library branches so people can learn more about our community-wide Climate Action Strategy and what they can do to help.

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
CCIAP Action 4.2:	In 2023, the Office of Climate	In 2024, staff from the Office	The plan for 2025, is to
Evaluate and select	Change Initiatives enlisted	of Climate Change Initiatives	organize sessions for
programs for making	students in the CityLab	and Emergency Management	community members most
emergency	program to undertake	staff from Hamilton Fire	impacted by climate change
preparedness kits	background research on	Department, began exploring	but least able to respond.
accessible to anyone,	emergency preparedness	the potential to combine efforts	The sessions will share
regardless of income	kits. A report was presented	and run a pilot program	information about the risks
(e.g. subsidies or free	in April 2023 that provides	designed both to raise	from climate change and will
distribution campaigns)	advice and direction on key	awareness about Hamilton's	offer basic emergency kit
	elements of a kit, costing	Climate Action Strategy and to	components and a guidebook
Medium-term (2-5	various kits, and proposed	help residents build their own	on how to build a kit at no
years)	pathways forward. The report	emergency preparedness kits.	cost to session participants.
	was shared with staff in the		
Office of Climate	Office of Emergency	The first workshop was held at	
Change Initiatives,	Management.	the Villages of Glancaster in	
Planning and Economic	_ , , , , ,	December 2024, with an	
Development; Office of	Future potential	audience of 50+ people.	
Emergency	INDICATORS to track	Participants left with a copy of	
Management, Hamilton	progress with raising	the City's Emergency	
Fire.	awareness about and	Preparedness Guide which	
	ensuring residents have	provides residents with step-	
	emergency preparedness	by-step instructions on how to	
	kits:	prepare for emergencies,	
	Number of workshape/	including how to build a kit. <u>CLICK HERE</u> to access the	
	workshops/	on-line guide.	
	presentations on how to build and maintain	Oil-iiile guide. 	
	a personal	Number of workshops/	
	emergency	presentations on how to	
		build and maintain a	
	preparedness kit and	Dully ally maintain a	

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	associated emergency plan – including number of participants. Number of emergency preparedness kits provided through City efforts. Number of other programs/ organizations raising awareness about and delivering emergency preparedness kits	personal emergency preparedness kit and associated emergency plan – including number of participants. • One workshop held in 2024.	
CCIAP Action 4.3: Establish buddy systems/help-your- neighbour programs to implement during extreme weather events Short-term (<2 years) Public Health Services, Healthy and Safe Communities; Office of Climate Change Initiatives, Planning and Economic Development	Currently, Public Health Services encourages residents to check on their neighbours and family during Heat Warnings and Extended Heat Warnings. This is included in the messaging the City uses in its media releases during Heat Events, it is referenced on the City's website, and it is also included in promotional hand- outs. This action is also recognized	The Climate Action Strategy/ Emergency Preparedness Kits pilot workshops initiative described in CCIAP Action 4.2 above will also be used to encourage and support residents to establish and/or expand neighbourhood networks of caring.	

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	in the 2024 Heat Response		
	Strategy as something the		
	City will continue to facilitate		
	and support.		
CCIAP Action 5.1:	City staff reported in 2023	INDICATOR - Number of	
Work with local partners	that work with local partners	cases of vector-borne	
to ensure vulnerable	to ensure vulnerable groups	disease related illnesses:	
groups are informed	are aware of vector-borne	 West Nile Virus - 2 	
about and have the	diseases would begin in	human cases in 2024	
means to be adequately	2024.	 Lyme disease – 74 	
protected from vector-		human cases in 2024	
borne diseases (e.g.	INDICATOR - Number of		
West Nile Virus, Lyme	cases of vector-borne	INDICATOR - City website	
Disease, etc.)	disease related illnesses:	and social media analytics	
Long town (> E voors)	West Nile Virus - 5	(i.e. number of	
Long-term (>5 years)	human cases in 2023	views/downloads, number of	
Public Health Services,	• Lyme disease - 81	posts, post engagement,	
Healthy and Safe	human cases in 2023	etc.)	
Communities	INDICATOR City website	Number of impressions	
Communices	INDICATOR - City website	= 23,966	
	and social media analytics		
	(i.e. number of		
	views/downloads, number		
	of posts, post engagement, etc.)		
	City created and		
	posted Instagram reels		
	focused on tick		
	prevention (to avoid		
	tick exposure and risk		

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	of Lyme Disease) and		
	'tick dragging' – the		
	method used to		
	sample the tick		
	population.		
	 Tick Dragging reel had 		
	+70k Plays (second		
	highest in Corporate		
	channel's history) and		
	+2K interactions -		
	+11K plays		
	- +200 interactions.		
	 Tick Prevention Reel 		
	had +11k plays and		
	+200 interactions		
CCIAP Action 5.2: In	Balancing the protection and	In June 2024, Hamilton's	
conjunction with the	enhancement of naturalized	Biodiversity Action Plan and	
Biodiversity Action Plan,	areas, while also limiting	the city-led actions found	
develop an Open Space	exposure of vectors to	within it, were endorsed by the	
Management Plan to	humans continues to be an	City's Planning Committee.	
guide City of Hamilton	ongoing issue. Signage exists		
Natural Open Space	with public warnings related	INDICATOR - Number of	
Stewardship, including	to ticks in locations where	ticks submitted to Public	
maintenance schedules	people may be at risk of	Health for identification each	
to minimize ideal	higher exposure. Where	year.	
conditions for vectors	possible, City Parks staff mow	64 ticks submitted to	
(e.g. plants and	one mower-width (2m or so)	PHS for identification in	
animals, such as	on either side of paths to	2024.	
mosquitos, that can	keep a clear pathway for		
bring diseases, such as	walking and to limit		

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
rabies, Lyme disease,	overhanging plants.	INDICATOR - Number of	
to human populations)		complaints about standing	
	At the same time, focusing on	water.	
Long-term (>5 years)	biodiversity (species diversity,	 73 complaints were 	
	healthy native habitats for	received about standing	
Environmental	native animals and plants) is	water in 2024 (not just	
Services, Public Works;	a key strategy for increasing	in naturalized areas of	
Public Health Services,	ecosystem resilience to	the city)	
Healthy and Safe	invasive pests and disease.		
Communities	a.,		
	City staff put out		
	communication updates when		
	new diseases and pests		
	arrive in the Hamilton area.		
	Updates include information		
	about what residents can do if		
	they find these		
	pests/diseases. Enlisting the public to observe and report		
	is an important way to track		
	the status of these invaders.		
	line status of these invaders.		
	INDICATOR - Number of		
	ticks submitted to Public		
	Health for identification		
	each year.		
	182 ticks submitted to		
	PHS for identification		
	in 2023.		
	111 2020.		

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	INDICATOR - Number of complaints about standing water. • 32 complaints were received about standing water in 2023 (not just in naturalized areas of the city)		
CCIAP Action 6.1: Continue to update existing municipal plans and policies to decrease health and safety risks associated with extreme weather and temperatures to outdoor workers Medium-term (2-5 years) Human Resources, Corporate Services	Current Hot Weather Safety guidelines remain in place and are reviewed and updated as needed. In 2023 the City's Health, Safety & Wellness Team began providing guidance to people leaders on how to protect outdoor workers during periods of poor air quality. In 2023, a new guideline was planned to provide guidance on reducing staff health risk by using the national Air Quality Health Index and corresponding health messages to provide recommendations for the workplace.	In 2024, the City's Human Resources Division released three updated occupational health and safety bulletins:	In 2025, the City's Human Resources Division informed staff of the availability of a number of resources to support outdoor workers during hot weather including:

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
CCIAP Action 6.2:	The City also continues to monitor the Ministry of Labour, Immigration, Training and Skills Development's consultation on regulating Heat Stress and Poor Outdoor Air Quality under the Occupational Health and Safety Act to prepare for any new employer duties related to heat and poor air quality for municipal outdoor workers. This action is addressed in	In 2024, Public Health	The Healthy Environments
Explore opportunities to expand current cooling & warming centre programming and interventions. Short-term (<2 years) Public Health Services, Healthy and Safe Communities	the Heat Response Strategy presented to the Public Health Committee in Q1 of 2024 and the potential to increase the number of cooling centres is regularly discussed in meeting of the Extreme Heat Working Group. This action has also been addressed through City efforts to develop and implement a 'Winter Response Strategy' starting in January 2023. In its first	Services, through the Healthy Environments Division, developed and implemented a 'Cool Kit' initiative designed to get simple resources designed to help residents without inresidence cooling to stay cool in the summer heat. • A total of 748 Cool Kits were handed out to those in need in 2024	Division plans to continue to distribute Cool Kits during 2025 and to provide free bus tickets to help Hamiltonians travel to cooling centres during heat events.

F			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	season, the Strategy was in		
	place until March 31st and		
	offered supports including		
	additional daytime and		
	overnight warming spaces for		
	residents needing these		
	supports. See CCIAP Action		
	3.1 above for more details on enhancements made to this		
	program for the Winter of		
	2023/24.		
CCIAP Action 6.3:	This action is addressed in	The Office of Climate Change	
Improve monitoring,	the Heat Response Strategy	Initiatives will expand this	
data collection, and	that was presented to the	reporting to include indicators	
notification surrounding	Public Health Committee in	related to cold weather events	
flooding & extreme	Q1 of 2024.	and to include data related to	
weather/temperatures		tracking the risk of flooding	
	Public Health Services uses	based on the monitoring of	
Long-term (>5 years)	epidemiological data along	flow and level meters in	
	with heat mapping	municipal creeks and sewer	
Public Health Services,	vulnerability data to determine	systems.	
Healthy and Safe	highest risk areas to target for	INDICATOR N	
Communities	heat initiatives.	INDICATOR - Number of	
	INDICATOR - Number of	heat alerts In 2024 there were 4	
	heat alerts	heat warning and	
	• In 2023 there were 4	extended heat warning	
	heat warning and	events combined	
	extended heat warning	lasting a total of 19	
	events combined	days:	

F	Resilient Theme #2: People and	l Health	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	lasting a total of 11	June 17 – 22 (6 days)	
	days:	July 8 – 10 (3 days)	
	June 1 - 2 (2 days)	July 14 -15 (2 days)	
	July 4 - 6 (3 days)	Jul 31–Aug 2 (3 days)	
	July 26 - 28 (3		
	days),	INDICATOR - Number of	
	Sept 3 - 5 (3 days)	users of splash pads, parks,	
		community centres, etc.	
	INDICATOR - Number of	during heat alerts:	
	users of splash pads,	Recreation staff provided data	
	parks, community centres,	for use of splash pads, and	
	etc.	indoor & outdoor pools during	
	Recreation staff have	heat alerts and extreme heat	
	confirmed availability	alert days. The general trends	
	of data related to pool	shown by the data indicate the	
	usage during extreme	following:	
	heat events and this	Indoor & Outdoor	
	data will be provided in	Open Swims - average	
	future climate update	user number data	
	reports.	shows increase in users	
		during heat events at both indoor and outdoor	
		City pools, with outdoor pools showing higher	
		average user numbers than indoor pools.	
		0 () 14 ()	
		Outdoor Wading Pools showed the	
		highest increase in	
		average user numbers	
		average user numbers	

F	Resilient Theme #2: People and Health				
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &		
Timelines	Supporting Information	Supporting Information	Outlook		
		during heat events, when compared to the typical average user numbers (range of 77 to 94 users vs the typical average of 54 users)			
		NEW INDICATOR – Number of cold weather alerts In 2024 there were 4 cold alert events, with a total of 7 days of cold alert status.			

	Resilient Theme #3: Natural Environment, Agriculture and Water			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
CCIAP Action 7.1:	Work continued in 2023 on a	INDICATOR - Enhancement	Additional staff positions	
Continue to enhance	number of on-going	of natural areas identified in	approved to support the City's	
the management and	naturalization efforts - all in	plan:	Biodiversity Action Plan	
restoration of existing	partnership with Conservation	Future projects anticipated at:	through the 2025 Municipal	
natural areas and seek	Halton at Joe Sam's Park,	William Connell Park (invasive	Budget will enable this work	
opportunities to	Courtcliffe Park, and	species removal &	to start. Hiring is to be	
dedicate land and	Flamborough Centre Park.	naturalization), Confederation	started in Q2 2025, with work	
natural areas for	Activities include natural	Beach Park - natural shoreline	to be scoped by end of year.	
conservation.	habitat restoration, wetland	erosion mitigation through		
	creation, invasive species	native plantings.		
Medium-term (2-5	removal, creek restoration			
years)	and realignment.	INDICATOR – Track		
	Also in 2023, a bioswale was	acquisition of space to		

	Resilient Theme #3: Natural I	Environment, Agriculture and V	Vater Vater
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Environmental	installed at Florence Parker	convert into natural areas to	
Services, Public Works	Sports Park.	enhance core areas and	
		linkages.	
	INDICATOR - Enhancement	There is no mandate or	
	of natural areas identified in	specific direction yet on this	
	plan:	action. Staff need to develop a	
	Joe Sam's Park (completed	natural lands acquisition	
	works):	strategy with funding identified	
	390 m in-stream habitat	and this will be completed with	
	enhanced,	pending Biodiversity Action Plan additional full-time staff.	
	50 m riparian habitat enhanced,	Plan additional full-time stan.	
	8529 m2 habitat restored,		
	775 native grassland/meadow		
	plants planted, 145 native		
	trees planted,		
	80 native shrubs planted.		
	Courtcliffe Park (completed		
	works):		
	13m in-stream habitat		
	enhanced,		
	66m riparian habitat		
	enhanced,		
	175 native trees planted,		
	1474 native shrubs planted,		
	3736m2 habitat improved.		
	INDICATOR – Track		
	acquisition of space to		
	convert into natural areas to		

	Resilient Theme #3: Natural Environment, Agriculture and Water			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
	enhance core areas and			
	linkages.			
	No update provided for			
	2023.			
CCIAP Action 8.1:	Expansion of Forestry's	2024 Tree Giveaway	The Forestry Division	
Work with local partners	Community Tree Planting	distributed 5003 trees in 2024.	continued its partnership with	
to continue tree planting	Program facilitated	Forestry partnered with local	Hamilton Naturalists' Club for	
and preservation,	surpassing the 2023 target of	not-for-profit Hamilton	the Tree Giveaway Program.	
explore community	1,800 trees and planting	Naturalists' Club to deliver the		
partnerships and	3,927 trees.	2024 program.		
naturalization programs				
to reduce urban heat	Forestry staff have engaged	2024 target for total number of		
island and enhance	CityLab to complete a	trees planted and/or provided		
ecosystem function.	literature review related to municipal woodlot	by Forestry is 20,000.		
Medium-term (2-5	management.	INDICATOR - Number of		
years)		community tree planting		
,	Forestry staff engaged in Air	events hosted by City's		
Forestry and	Quality Day with Green	Forestry & Horticulture		
Horticulture Division,	Venture & participated in	Division		
Public Works;	National Indigenous Peoples	-17 Community Tree Planting		
Office of Climate	Day Gathering event on June	events in 2024		
Change Initiatives,	21st.	-563 community volunteers		
Planning and Economic		planted 6775 native trees		
Development	INDICATOR – Number of	15 of the 17 events were		
	trees planted by Forestry	returning groups who have		
	Division each year:	participated before.		
	• 3,927 – via Forestry	-72% increase in # of trees		
	hosted community tree	planted, 52% increase in		
	planting events	number of volunteers and 4 x		

	Resilient Theme #3: Natural I	Environment, Agriculture and V	Vater
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	 6,779 – via Forestry 	the amount of returning	
	plantings in parks,	groups compared to 2023.	
	cemeteries, along		
	streets, in public golf	INDICATOR N	
	courses	INDICATOR – Number of	
	INDICATOR Namehor of	trees distributed by Forestry	
	INDICATOR – Number of	to community for planting	
	trees distributed by	on private property:	
	Forestry to community for planting on private	 5,003 via Forestry's annual Tree Giveaway 	
	property:	to residents, schools	
	• 3,536 – via Forestry's	and not-for-profit	
	annual Tree Giveaway	organizations.	
	to residents, schools	• 1,000 - via the annual	
	and not-for-profit	Children's Water	
	organizations.	Festival	
	• 1,000 – via the annual		
	Children's Water	INDICATOR – Total number	
	Festival	of trees planted or provided	
		by City's Forestry Division	
	INDICATOR – Total number	annually:	
	of trees planted or provided	2024 total = 19,659	
	by City's Forestry Division	trees (not including the	
	annually:	1,000 seedlings	
	• 2023 total = 15,256	distributed to kids	
	trees	attending the City's	
		Annual Water Festival).	
CCIAP Action 8.2:	The Urban Forest Strategy	Additional resources were	In 2025, the first State of the
Implement the Urban	(UFS) was approved by	approved as part of the 2024	Urban Forest report will be

	Resilient Theme #3: Natural I	Environment, Agriculture and V	Vater
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Forest Strategy (UFS)	Council on June 21 st , 2023.	municipal budget to support	prepared by Forestry Division
and consider additional		the implementation of	staff and presented to
measures to support it	Associated recommendations	Hamilton's Urban Forest	Council.
or expand its impact.	supported by Council	Strategy including:	
	included:	 1 full-time employee in 	
Medium-term (2-5	 Adoption of a 40% 	Forestry to monitor,	
years)	urban canopy cover	report on, and facilitate	
	target	the implementation of	
Environmental	Initiation of the development	the UFS, including	
Services, Public Works	of a City-wide tree protection	prioritizing those areas	
	by-law on private property	with greatest need for	
	within the urban area.	urban canopy cover.	
	Future prepared	1 full-time employee in	
	Future proposed INDICATORS to track	Forestry to support an	
	implementation of the UFS	increase in the annual	
	and the key adaptation	City-led tree planting	
	feature of equitable	target to 20,000 trees. • Funding to purchase	
	distribution of the 40% urban	 Funding to purchase LiDAR (Laser Imaging 	
	canopy cover:	Detection and Ranging)	
	Percentage canopy	data to establish	
	cover across	accurate percentage	
	Hamilton wards &	canopy cover	
	neighbourhoods	measurements.	
	through Urban		
	utilizing LiDAR data		
	acquired as part of		
	Urban Forest		
	Strategy		
	implementation.		

	Resilient Theme #3: Natural Environment, Agriculture and Water			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
CCIAP Action 9.1:	Support for community	In 2024, staff coordination of	Expansion efforts at the	
Educate and encourage	gardens is reflected in a	the City's network of	Riverdale Community Garden	
community to	recommendation made in the	community gardens was	will be implemented in 2025.	
participate in growing	Recreation Master Plan	transferred, along with a full-		
food locally (e.g. lot	(2022) to increase the number	time Project Manager, to the	Additional expansion requests	
level or urban	of community gardens on	the Office of Climate Change	have been received for other	
farms/gardens).	municipal property.	Initiatives.	garden locations, along with	
			requests for the establishment	
Short-term (<2 years)	In 2023, a total of 18	In 2024 a new community	of at least one new garden	
	community gardens were	garden was established on	location.	
Healthy and Safe	located on City property,	City property – at the Stoney		
Communities; Office of	mainly in parks and there are	Creek Municipal Centre,		
Climate Change	community gardens at all City	bringing the total number of		
Initiatives, Planning and	Housing Hamilton seniors'	community gardens on City		
Economic Development	building sites.	property to 19.		
	Community food gardens both	Area rating funding was		
	on and off City property are	approved in November 2024		
	supported by the Hamilton	for the expansion of Ward 5's		
	Community Garden Network,	Riverdale Community Garden		
	which is coordinated by	(aka the 'Salad Bowl').		
	Neighbour to Neighbour. See:	(and are considered to the fi		
	www.n2ncentre.com/hamilton-			
	community-food-			
	centre/community-garden-			
	networking-program/			
CCIAP Action 9.2:	In 2023, the City's stormwater	Implementation of the	The City's new stormwater	
Expand rainwater	funding fee review was	stormwater fee framework will	fee will be implemented in	
capture (i.e. rain	completed, and Council	begin in April 2026. The	April 2026.	
barrels, cisterns, etc.)	approved the fee structure.	rebate and credit programs		

	Resilient Theme #3: Natural Environment, Agriculture and Water			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
as an irrigation source for more localized food production (i.e. backyard farming, urban gardens, soft landscapes, etc.) Medium-term (2-5 years) Hamilton Water, Public Works	Finance Staff, in consultation with the initiative's internal Steering Committee and Working Groups, launched a communications and engagement plan across the City in October 2023 to consult on developing financial incentives for property owners to capture rainfall and retain it on their property.	include support for tools to facilitate rainwater capture and use on properties in the future.	The fee framework includes two programs for property owners including the Rain Ready Rebate which was launched in April 2025, and includes support for downspout disconnection and rain barrel installation.	
CCIAP Action 9.3: Engage with local agricultural leaders to understand existing resources for farmers in addressing climate adaptation, and how the City can support or expand on those efforts. Medium-term (2-5 years) Office of Climate Change Initiatives, Economic Development, Planning	No City progress to report during 2023.	The municipality's stormwater fee includes a credit program approved in 2024 and designed to facilitate the installation and/or enhancement of on-property stormwater management measures, including on agricultural properties.		

	Resilient Theme #3: Natural Environment, Agriculture and Water			
HCAS Actions and Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook	
and Economic Development; and Healthy and Safe Communities CCIAP Action 9.4: Develop an educational	During 2023, Office of Climate Change Initiatives staff	No progress was made in 2024 on this action.		
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	worked with students from CityLab on a research project that generated a report entitled 'Developing a Circular Economy of Food in Hamilton – A Framework'. The report provides research findings and recommendations for			
food waste. Medium-term (2-5 years) Waste Management, Public Works; Healthy and Safe Communities	pathways forward to address food waste. Addressing food waste is also highlighted as an action within the Food Strategy that may be incorporated into future work.			
	No other progress was made in 2023 on this action.			

	Resilient Theme #4: Energy and Economy			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
CCIAP Action 10.1:	The City's Economic	In 2024, the City's Economic	The revamped 'LEEDing the	
Provide guidance to	Development Division offers	Development Division	Way ' Community	
local businesses on	several programs designed to	initiated a formal public	Improvement Plan, now	
how to maintain	help local businesses pursue	review of the 'LEEDing the	referred to as the 'Growing a	
business continuity (e.g.	climate resilience and	Way' Community	Resilient & Environmentally	
supply chain) during	sustainability. These include:	Improvement Plan,	Sustainable Hamilton'	
extreme weather (i.e.	 Various cost-sharing 	recognizing the low private	Community Improvement	
through business	and tax increment-	sector uptake of the	Plan, was presented to GIC	
continuity planning,	based grants through	program's grants program	on April 30 th , 2025, as Report	
green business	the Environmental	and the emergence of many	PED25105. The report was	
practices, adaptation	Remediation and Site	other new certification	referred back to staff along	
measures)	Enhancement (ERASE)	programs designed to support	with the Green Building	
	Community	climate resilient, sustainable	Standards Enhanced	
Long-term (>5 years)	Improvement Plan	building features.	Engagement and	
	Grants to support		Recommendations Report	
Economic	Leadership in Energy	Indicators will be updated in	PED24114(a) and Green	
Development, Planning	and Environmental	future to reflect the outcome	Building Standards	
and Economic	Design (LEED)	of the review and update of	Implementation Plan Report	
Development	certification through the	the LEEDing the Way	PED25117 for a deeper	
	LEEDing the Way	program.	assessment of the developer	
	Community		costs associated with	
	Improvement Plan.		implementing these initiatives	
	INDICATOR	INDICATOR Untaka in	and the on-going costs to residents of these units.	
	INDICATOR – Uptake in	INDICATOR – Uptake in	residents of these units.	
	programs being offered to	programs being offered to promote climate resilience/		
	promote climate resilience/	sustainability.		
	sustainability.	In 2024 there were no		
	In 2023 there were no applications made to	applications made to		
	applications made to	the City's LEEDing the		
	the City's LEEDing the	the Oity's LEEDing the		

	Resilient Theme #4	4: Energy and Economy	
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
	Way initiative. Between 2014 and 2023 a total of two applications have been made to this program. In 2023, there were 9 applications for ERASE Study grants, 6 applications for ERASE Redevelopment grants, and 2 applications for the new ERASE Affordable Housing grant. Future potential INDICATORS for tracking progress with building local business climate resilience: Number of local businesses incorporating District Energy systems to reduce climate impacts. Number of businesses using sustainable/ low carbon options for moving cargo – i.e.	Way initiative. Between 2014 and 2023 a total of two applications have been made to this program. In 2024, there were 3 applications for ERASE Study grants, 3 applications for ERASE Redevelopment grants, and 1 application for the new ERASE Affordable Housing grant.	

	Resilient Theme #4: Energy and Economy			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &	
Timelines	Supporting Information	Supporting Information	Outlook	
	container services			
	and increased rail and			
	intermodal			
	operations.			
	 Number of local 			
	businesses with			
	comprehensive			
	climate action plans –			
	including			
	considerations of			
	business-related			
	climate adaptation			
	measures.			
CCIAP Action 11.1:	During 2023, the Energy	The City's Energy		
Work with local partners	Management Section	Management Section plans,		
to conduct vulnerability	continued discussions with	into the future, to conduct		
and risk assessments	Hamilton Community	feasibility studies around		
on local energy systems	Enterprises (HCE) regarding	renewable energy generation		
and identify	the decarbonization of their	opportunities and battery		
opportunities to	district energy system, and the	storage at various municipal		
increase local energy	future addition of more loads	sites.		
generation (e.g.	in the downtown core.			
microgrids) to increase	l and an from the F	The Energy Management		
reliability (potentially as	Leaders from the Energy	Section will also continue to		
part of planned CEEP	Management Section also	meet with key stakeholders		
priority actions around	participate in various industry	including Alectra, IESO and		
identifying renewable	working groups that discuss	HCE on the feasibility and		
energy generation sites	provincial energy demand and	implementation of renewable		
within the City).	supply and explore best	energy generation		
	practices and partnerships	opportunities.		

Resilient Theme #4: Energy and Economy			
HCAS Actions and	2023 Progress Update and	2024 Progress Update and	2025 Accomplishments &
Timelines	Supporting Information	Supporting Information	Outlook
Medium-term (2-5	around this topic.		
years)		INDICATOR - Local energy	
	INDICATOR - Local energy	produced (private and	
Corporate Facilities and	produced (private and public	public capacity of	
Energy Management,	capacity of renewables	renewables within City)	
Public Works	within City)	Information not available at	
		this time. To be determined	
		for the future.	
CCIAP Action 11.2:	During 2023, Corporate	INDICATOR - Number of	
Establish low-carbon	Facilities & Energy	zero and/or low carbon	
back-up power systems	Management (CFEM) initiated	back-up retrofits	
in all City-owned	a review of multiple generators	The Energy Management	
facilities to serve as	within the Corporate Facilities	Section will continue with the	
community hubs during	portfolio and continues to	review of fossil fuel back-up	
emergencies and create	assess opportunities to switch	generators in City facilities	
a policy to support and	to low carbon fuel - including	and gradually replace with	
promote the use of low-	appropriate generator sizing	low carbon back up power	
or no-carbon	for enhanced resiliency.	systems as funding becomes	
emergency energy	INDICATOR Normalism of	available to do this.	
supplies such as	INDICATOR - Number of	INDICATOR Assess	
batteries or energy	zero and/or low carbon	INDICATOR - Annual	
storage for residents and businesses.	back-up retrofits	Greenhouse gas emissions	
and businesses.	A lack of funding has	estimates from (municipal)	
Long torm (>F years)	delayed the	generators. This is not tracked separately	
Long-term (>5 years)	implementation of	at this time. This is included	
Corporate Facilities and	proposed transitions to low carbon fuels.	in our emissions through	
Energy Management,	low carbon fuers.	diesel numbers. OPS would	
Public Works	The Energy Management	need to track all diesel inputs	
T UDITO VVOINS	Section also continued with	(litres) and outputs (hours	
	Section also continued with	(IIII C3) and outputs (Hours	

Resilient Theme #4: Energy and Economy			
HCAS Actions and Timelines	2023 Progress Update and Supporting Information	2024 Progress Update and Supporting Information	2025 Accomplishments & Outlook
	exploration of opportunities to increase biogas production at its two existing sites (Glanbrook Landfill and Woodward Wastewater Treatment Plant) and potential market opportunities to convert biogas into renewable natural gas (RNG) to support conversion from natural gas to low carbon fuel. This also includes consideration of purchasing RNG from gas utilities. INDICATOR - Annual Greenhouse gas emissions estimates from (municipal) generators. No data provided.	generators run x DL/hour run then convert to emissions. The cost to report outweighs the value add.	