

LANARK COUNTY CORPORATE CLIMATE ACTION TABLE

Guiding Principles									
1. Create a climate conscious culture and community									
2. Eliminate fossil fuels									
3. Optimize energy/water efficiency and increase renewable energy generation									
4. Advance the use of nature-based solutions in climate change management									
5. Sustainably manage waste towards a circular economy									
6. Collaborate with community stakeholders									
7. Increase funding, accessibility, and education									
THEME	#	GOAL	POTENTIAL BENEFITS	COST AND FUNDING SOURCE	PERSON OR DEPARTMENT RESPONSIBLE	START TIME	APPROXIMATE TIMEFRAME FOR COMPLETION	KEY PERFORMANCE INDICATORS	EXPECTED GHG REDUCTION
1. Education	1.1	Modify all Council reports to include a section for the climate impact that uses the climate tool	Reduce fossil fuels, encourage a climate conscious culture	None	CAO, Clerk	In progress; 2023	Ongoing	- # of projects/decisions assessed	Indirect; Medium
	1.2	Raise staff awareness of corporate climate initiatives through mini campaigns and training programs	Encourage a climate conscious culture	Low; CC Budget	Climate Environmental Department	2023	Ongoing	- # of staff trained - # of campaigns	Indirect; Low
	1.3	Launch an Off Nightly/Mini campaign to encourage staff to turn off computers, printers, and lights over night or when not in use	Reduce energy costs, encourage a climate conscious culture	Low; CC Budget	Climate Environmental Department	2024	Short-term	- Energy consumption data	Indirect; Low
2. Buildings & Energy	2.1	Plan for the rebuild or retrofit of all County buildings to be net-zero	Reduce fossil fuel, reduce energy costs, reach net-zero	High; County Budget, GMF Capital Funding	CAO	TBD	Long-term	- Pre and post energy audit data - Completed feasibility study	Direct; High
	2.2	Conduct a building automation system maintenance/commissioning	Reduce fossil fuels, reduce energy costs	Low; County Budget	Facilities Coordinator	In progress	Ongoing	- Maintenance reports	Direct; Medium
	2.3	Install solar systems on municipal buildings where possible	Increase renewable energy generation, reduce fossil fuels	High; County Budget	Facilities Coordinator	In progress; 2018	Ongoing	- # of panels installed	Direct; Medium
	2.4	Install motion sensors for indoor lighting and automatic timers on all equipment that can be turned off at night	Reduce energy costs	Low; County Budget	Facilities Coordinator	In progress; 2009	Short-term	- Energy consumption data - # of timers/sensors installed	Direct; Low
	2.5	Optimize heating and cooling efficiency in all County buildings to reduce energy consumption	Reduce fossil fuels, reduce energy costs	Medium; County Budget	Facilities Coordinator	TBD	Short-term	- Energy consumption data	Direct; Medium
3. Lanark County Housing	3.1	Encourage energy efficient practices by increasing tenant education (e.g., providing energy efficient tips through mailing list, posters in common spaces, reporting improvements to tenants, etc.)	Improve efficiency, reduce energy costs	Low; CC Budget	Climate Environmental Department, Social Services Department	2024	Ongoing	- # of tenants engaged - # of resources created	Indirect; Low
	3.2	Complete energy audits to identify the most effective energy-saving opportunities and prioritize projects when possible	Identify opportunities to improve efficiency and reduce energy costs and greenhouse gas emissions	High; CMHC (Canada Greener Affordable Housing), Deep Retrofit Accelerator Initiative, GMF (Sustainable Affordable Housing) Social Services Budget, CC Budget	Social Services Department	2024	Long-term	- # of audits - Pre-energy retrofit audit data	Indirect; High
	3.3	Improve building envelope performance to reduce demand on heating and cooling systems, reduce energy loss, and increase tenant comfort (e.g., increase existing insulation, replace windows and doors with high efficiency models as needed)	Reduce fossil fuels, reduce energy costs, increase tenant comfort	Medium; GMF (Sustainable Affordable Housing), Social Services Budget	Social Services Department	In progress; 2016	Long-term	- # of units improved - R-values - Energy consumption data	Direct; High

Corporation	3.4	Improve domestic hot and cold water system efficiency to reduce energy costs and losses (e.g., upgrading to high efficiency systems when system is at end of life, installing pipe insulation and tank insulator blankets etc.)	Reduce fossil fuels, improve efficiency, reduce energy costs	Medium; Social Services Budget	Social Services Department	In progress; 2016	Long-term	- # of units improved - Energy consumption data	Direct; Medium
	3.5	Replace appliances beyond their service life with Energy Star models	Reduce fossil fuels, improve efficiency, reduce energy costs	Medium; Social Services Budget	Social Services Department	In progress; 2016	Long-term	- # of appliances replaced	Direct; Medium
	3.6	Construct new buildings to be energy efficient	Reduce fossil fuels, reduce energy costs	High; GMF (Sustainable Affordable Housing), Social Services Budget	Social Services Department	TBD	Long-term	- Building certifications	Direct; High
	3.7	Consider electric heat pumps in the replacement of electrical baseboards and gas furnaces/boilers at end of life	Reduce fossil fuels, reduce energy costs, increase tenant comfort	High; GMF (Sustainable Affordable Housing), Social Services Budget	Social Services Department	2024	Long-term	- # of heat pumps installed	Direct; High
	3.8	Explore the conversion of areas to pollinator habitat or food production on managed properties	Increase pollinator habitat, reduce emissions from mowing and maintenance, increase resident engagement	Low; CC Budget	Climate Environmental Department, Social Services Department	2024	Ongoing	- Area of land converted	Direct; Low
4. Transportation & Equipment	4.1	Upgrade 16 gas and 3 diesel fleet vehicles to electric vehicles by 2030 when electric vehicles are available/vehicles reach end of life	Reduce fossil fuels, increase EV uptake	High; Public Works Budget, Incentives for Zero-Emission Vehicles (iZEV) Program, GMF Capital Funding	Director Public Works	In progress; 2023	Long-term	- # of vehicles replaced	Direct; High
	4.2	Install electric vehicle charging stations at the County buildings for County fleet charging and for staff, councillors or the public to use	Reduce fossil fuels, encourage a climate conscious culture	Medium; Public Works, CC budget, NRCan Zero Emission Vehicle Infrastructure, GMF Capital Funding	Facilities Coordinator	In progress; 2022	Short-term	- # of chargers - Usage data	Indirect; Low
	4.3	The procurement of new or replacement equipment and power tools be electric, unless an electric option is not available	Reduce fossil fuels	Medium; Public Works Budget	Director Public Works	2024	Short-term	- # of equipment procured - Usage data	Direct; Low
5. Natural Heritage & Resources	5.1	Increase the tree canopy on County properties (e.g., LCHC properties, County offices, etc.)	Sequester carbon, protect natural resources, improve biodiversity, improve climate change mitigation, improve climate change adaptation, preserve and/or improve ecosystem services	Low; CC Budget, Public Works Budget	Climate and Environmental Department	In progress	Ongoing	- # of trees planted	Direct; Low (carbon offsets)
	5.2	Increase carbon sequestration and pollinator habitat on county properties and road allowances		Medium; CC Budget, Public Works Budget		In progress; 2016	Ongoing	- Acres of restored land	Direct; Low (carbon offsets)
	5.3	Explore approaches that incorporate natural systems and green infrastructure into site improvements, greenspaces, and stormwater management (e.g., rain gardens, trees, etc.)		Medium; CC Budget, Public Works Budget		2024	Ongoing	- # of projects	Direct; Low

6. Waste Management & Diversion	6.1	Join the Blue Communities Project and phase out the sale of bottled water in municipal facilities and at municipal events	Reduce plastic waste, encourage a climate conscious culture	Low; CC Budget	Climate Environmental Department, Local Municipalities	2024	Short-term	- Reduction/elimination of bottled water	Indirect; Low
	6.2	Install water refill stations in all municipal buildings to replace water coolers	Reduce fossil fuels from water transportation, reduce plastic waste	Low; County Budget	Facilities Coordinator	In progress; 2023	Mid-term	- # of bottles saved (water refill station data)	Indirect; Low
	6.3	Launch an enhanced recycling program for plastic, glass, metal and food waste (e.g., Terracycle 25% of waste)	Increase recycling, divert waste from landfills	Low; County Budget	Climate Environmental Department	2024	Short-term	- # of kgs recycled - Programs joined	Indirect; Low
	6.4	Purchase 100% recycled paper and enact policies and procedures to reduce the overall use of paper	Reduce waste, encourages a climate conscious culture	Low; County Budget	All departments	TBD	Short-term	- Purchasing data	Indirect; Low
7. Planning	7.1	Revise the Asset Management Plan to include natural assets (e.g., watersheds, wetlands, forests, lakes, etc.)	Better preparedness for the future	Medium; County Budget, CC Budget, FCM (Municipal Asset Management Program)	Climate and Environmental Department, Planning	2025	Mid-term	- Completion of Asset Management Plan	Indirect; Low
	7.2	Update Emergency Plan to include protocols for major natural disasters and weather events (e.g., evacuation routes, shelter locations, etc.)	Better preparedness for the future	Medium; County Budget, CC Budget	Departments of the County and local municipalities, CAO, RVCA, MVCA	2025	Mid-term	- Completion of Emergency Plan	None
	7.3	Create an inclusive adaptation plan that captures Lanark County's risks and vulnerabilities to climate change (e.g., health, food security/sovereignty, environmental hazards, improved land-use, safety measures)	Better preparedness for the future	Medium; County Budget, CC Budget	community stakeholders	2024	Mid-term	- Completion of Adaptation Plan	None

LEGEND

Cost and Funding Source

Low < \$10,000

Medium \$10,000 - \$100,000

High > \$100,000

Approximate Timeframe for Completion

Short-term 1-2 years

Mid-term 3-6 years

Long-term 7-10 years

DEFINITIONS

GMF = Green Municipal Fund

CC budget = climate change budget

CAO = Chief Administrative Officer

Direct = directly reduces greenhouse gases (measurable)

Indirect = indirectly reduces greenhouse gases (not measurable)