LANARK COUNTY COMMUNITY CLIMATE ACTION TABLE

	1. Create a climate conscious culture and community										
	2. Eliminate fossil fuels										
	3. Optimize energy/water efficiency and increase renewable energy generation										
Guiding Principles	4. Adva	ance the use of nature based solutions in clir	nate change management								
	5. Sust	ainably manage waste towards a circular eco	onomy								
	6. Collaborate with community stakeholders										
	7. Incre	ease funding, accessibility, and education									
THEME	#	GOAL	RECOMMENDED APPROACH	POTENTIAL BENEFITS	COST AND FUNDING SOURCE	PERSON OR DEPARTMENT RESPONSIBLE	APPROXIMATE TIMEFRAME FOR COMPLETION	EXPECTED GI REDUCTIOI			
	1.1	Increase electric vehicle uptake and local charging infrastructure for public access	Contract companies to install chargers on public streets, and municipal buildings or property to increase public access to charging	Reduce fossil fuels, increase	Medium; Provincial gas tax and NRCan Zero Emission Vehicle Infrastructure Program	County and local municipalities	Short-term	Direct; Medium			
			Launch an educational campaign for electric vehicles that encourages vehicle owners to take advantage of electric vehicle subsidy programs	electric vehicle uptake							
	1.2	Electrify municipal and community fleet vehicles as part of their replacement cycle	Partner with Lanark Transportation Association to electrify fleet	Reduce fossil fuels, increase	NRCan Zero Emission Vehicle Infrastructure Program		Mid-term	Direct; High			
	1.2		Encourage local municipalities to take advantage of electric vehicle subsidy programs	electric vehicle uptake							
	1.3	Explore the use of low-carbon fuels (e.g., biodiesel blends) in suitable municipal fleet vehicles	Connect with municipalities who use biodiesel as a means to reduce greenhouse gas emissions (e.g., City of Brampton, York Region, Guelph, Kingston etc.)	Reduce fossil fuels	TBD	County and local municipalities	Mid-term	Direct; Mediu			
1. Transportation			Combine local municipalities' procurement needs for biodiesel for use in heavy-duty diesel fleets								
	1.4	Develop an Active Transportation Master Plan as part of the Official Plan	Encourage active transportation (i.e., walking and cycling) by coordinating and expanding accessible trails, comfortable walking routes, safe pedestrian crossing, and cycling infrastructure such as connecting trails and paved shoulders	Reduce fossil fuels, improve public health and accessibility	Medium; Public Works	Public Works, Planning Department, CAO, partner with local public health unit	Long-term	Indirect; Low			
			Facilitate policy changes to create 15-minute communities that are less car-dependent than conventional subdivisions Partner with school boards to create walking school bus program								
	1.5	Reduce single occupancy automated vehicle trips by providing local transit, carpooling and ridesharing solutions suitable for rural communities	Investigate and plan to adopt innovative public transit systems that are being implemented in similar small towns and rural communities Launch a county-wide carpool program that also encourages carpooling by promoting and strengthening the local carpool lot network	Reduce fossil fuels, improve accessibility	TBD	CAO, Climate and Environmental Department; partner with Lanark Transportation	Long-term	Direct; Medi			
	2.1	Develop and support the delivery of a local	Investigate and develop a municipal loan or municipally led financing program for deep energy retrofits Organize energy retrofit training sessions and workshops for contractors and residents Update the list of energy efficiency programs on the	Reduce fossil fuels, increase energy efficiency, reduce costs, improve home	High; GMF (home energy retrofit program) and CC	Climate and Environmental	Long-term	Direct; Hig			
		home energy retrofit program	county website Expand the existing Insulate Lanark program	comfort, increase participation in programs and incentives	budget, Canada Greener Homes Grant	Department, Climate Network Lanark, CAO		,			

			Establish neighborhood action networks to advise homeowners on actions they can take to improve the energy efficiency of their homes					
	2.2	Launch a campaign to increase energy/water retrofits within the industrial, commercial, and institutional sector	Raise awareness of available funding opportunities for energy/water retrofits	Reduce fossil fuels, increase energy efficiency, reduce costs, increase participation in programs and incentives	Low; County Resources	Climate and Environmental Department	Short-term	Direct; High
2. Buildings & Energy	2.3	Establish green building standards that enforce climate resilient and adaptive building designs to increase energy efficiency	Provide incentives and/or recognition to builders and building owners for achieving high performing energy and water efficiency standards Stimulate the development of high performance	Reduce fossil fuels, reduce energy cost, stakeholder and community engagement	Medium; Canada Greener Homes Grant, CC budget	Climate and Environmental Department	Mid-term	Indirect; High
	 photovoltaics (PV) developments where and solar thermal for domestic hot water use 		Reduce fossil fuels, reduce energy costs, increase renewable energy generation	None	County and local municipalities	Long-term	Direct; High	
	2.5	Explore opportunities to utilize other renewable fuel sources and technologies where feasible	financing and local investment opportunities Engage and provide information to citizens on renewable fuel sources and technologies they can utilize Explore cooperative purchasing approaches to procure a regional supply of renewable natural gas (RNG)	Reduce fossil fuels	None	Climate and Environmental Department	Long-term	Indirect; High
	3.1	Increase the managed forested area and tree canopy within Lanark County	Collaborate with local municipalities to create an urban forest/reforest strategy (1 Million Trees Program) and/or a tree preservation policy	Sequester carbon, protect natural resources, increase forest cover, improve public health and access to greenspace, improve biodiversity	Medium; CC budget and local municipal budgets	Climate and Environmental Department, County Planner and local municipalities; Partner with RVCA	Mid-term	Indirect; Medium (carbon offsets)
	3.2	Conduct studies to determine and protect the carbon sequestration and climate resilience value of wetlands, greenspaces and other naturalized areas within the County	Support the identification, protection, restoration and creation of wetlands Work with local Conservation Authorities, NGOs, and lake associations to protect watershed health (e.g., through promotion of stewardship practices, water resources management, hazard mitigation, land-use planning, and drinking water source protection) Promote backyard pollinator habitat creation with native plants to protect native biodiversity and store carbon in the soil Protect and restore areas that have high carbon sequestration and biodiversity values by providing funding and resources to support local organizations committed to supporting landowner stewardship (e.g., ALUS Lanark)	Sequester carbon, protect natural resources, improve biodiversity, preserve and/or improve ecosystem services	Medium; CC budget, Public Works budget	Climate and Environmental Department, County Planner and local municipalities; Partner with RVCA, MVCA Ducks Unlimited, Climate Network Lanark, The Land Between, Lake Associations, Canadian Wildlife Federation, ALUS	Mid-term	Indirect; Medium
3. Natural Heritage & Resources	3.3	Include the use of green infrastructure and natural heritage to serve local needs as the County continues to develop	Work with local municipalities, Indigenous Peoples, agencies, NGOs and others to map, assess, protect, restore, manage and monitor natural heritage	Sequester carbon, protect natural resources, restore degraded land, improve landscape connectivity, prevent carbon loss from land use change, improve biodiversity, improve climate	None	Climate and Environmental Department, County planner, local municipalities; partner with The Land Between	Mid-term	Indirect; Low

	4.3	Explore utilizing organic waste and treated biosolids for third party rewable natural gas (RNG) production	Identify regional opportunities for Lanark County municipalities to participate in RNG production	Reduce fossil fuels, renewable fuel	None	Climate and Environmental Department and local municipalities	Long-term	Indirect; Medium
4. Waste Management & Diversion	4.2	Optimize organic waste diversion	Explore opportunities to improve organic waste diversion and provide compost and resources to residents, businesses, farmers, and other stakeholders (e.g., fungal dominant compost, yard waste, scrap wood) Promote online platforms that allow residents, farmers, and businesses to connect with people in Lanark County who will receive and compost their organic waste (e.g., Sharewaste) Create a unifying plan for organic waste management systems that benefits from a large reach/bulk buying and that promotes additional household organic waste management systems (e.g., Pay AS You Throw) Broker food rescue partnerships between social organizations, farms, and food industries through organizations such as Second Harvest, which also offers funding	Divert organic waste from landfills, reduce methane production, community engagement, reduce municipal costs	Medium; County resources and local municipalities	Climate and Environmental Department, local municipalities	Mid-term	Direct; Medium
	4.1	Identify sustainable solid waste and recycling solutions for municipalities	anterials and recyclables and evaluates greenhouse gases produced in the transportation of materials to the waste sites Divert municipal solid waste from landfills by investigating waste conversion or recycling solutions such as Sustane Technologies Inc.'s proposal to build a facility in Renfrew County Launch a soft plastics recycling system	Divert organic waste and recyclables from landfills, reduce methane production, sustainable waste management, community engagement	TBD	Climate and Environmental Department, CAO, local municipalities	Long-term	Direct; Medium
	3.6	Promote biogas energy recovery for use in aerobic digestion - combined heat and power (AD-CHP) systems on farms	Explore the creation of a biogas farmers cooperative and other strategic partnerships that aim to increase education and afforability of implementing these types of systems Conduct a waste audit that includes all organic	Sequester carbon	None	Climate and Environmental Department	Mid-term	Indirect; Low
	3.5	Promote the adoption of sustainable livestock and crop management practices	Advance ecological agriculture practices and sustainable livestock management practices through some form of public-private partnership Explore options to provide training and/or agronomic consultation Seek and support financial supports for farmers to invest in no-till agriculture equipment	Sequester carbon, protect natural resources, restore degraded land	None	Climate and Environmental Department; partner with agricultural organizations	Long-term	Indirect; Medium
	3.4	Allow cooperative farming and community gardening on suitable County-owned lands and encourage local farms to produce more food for local consumption	Encourage local farms to produce more food for local consumption by advocating for funding and municipal by-laws that support local food storage infrastructure, abattoirs, food processing, and on- farm slaughter Make County lands available for cooperative farming and community gardening	Produce local food for local consumption, reduce food transportation emissions, increase accessibility to local food, farmer engagement	None	Climate and Environmental Department, CAO	Long-term	Indirect; Low
			Enforce urban design and redevelopment approaches that incorporate natural systems and green infrastructure into site improvements, greenspaces and stormwater management	change mitigation, preserve and/or improve ecosystem services		and Ducks Unlimited Canada		

	4.4	anaerobic waste and water treatment	Explore the feasibility of utilizing biogas fuelled combined heat and power systems for energy use on site in WWTF	Reduce fossil fuels, renewable fuel	None	Climate and Environmental Department and local municipalities	Long-term	Indirect; Low
5. Planning	5.1	Incorporate community stakeholders in climate adaptation planning	Establish a strategy to create an inclusive adaptation	Better preparedness for the future, increased transparency, inclusivity and consideration	None	Climate and Environmental Department, Planning Departments of the County and local municipalities, CAO, community stakeholders	Long-term	Indirect; Low

LEGEND

Cost and Funding	Approximate Timeframe for				
Source	Completion				
Low < \$10,000	Short-term 1-2 years				
Medium \$10,000 -	Mid-term 3-6 years				
\$100,000 High > \$100,000	Long-term 7-10 years				

DEFINITIONS

 GMF = Green Municipal Fund
 LE

 CC budget = climate change budget
 AL

 CAO = Chief Administrative Officer
 RV

 Direct = directly reduces greenhouse gases (measurable)
 TE

 Indirect = indirectly reduces greenhouse gases (not measurable)
 TE

LEED = Leadership in Energy and Environmental Design ALUS = Alternative Land Use Services RVCA/MVCA = Rideau Valley/Mississippi Valley Conservation Authority TBD = To be determined