

COMMUNITY CLIMATE ACTION TABLE

Guiding Principle	No.	Goal	Priority Level	POTENTIAL BENEFITS
1. Create a climate conscious culture and community	1.1	Create a climate conscious community culture by launching educational campaigns to promote social marketing projects such as switching to electric vehicles, the benefits of green infrastructure, how to backyard compost (i.e., how to compost materials and GHG emission reductions) and ways to reduce food and plastic waste in partnership with local beneficiaries	Primary	Public education, community engagement, EV uptake, reduce waste, carbon sequestration
	1.2	Organize energy retrofit training sessions and workshops for contractors and residents featuring education on energy audits, the Canada Greener Homes program, heat pumps, installers and suppliers, solar systems, and Net Metering etc.	Primary	Community engagement, public education, uptake in energy efficient retrofits
	1.3	Update the list of energy efficiency programs on the county website. Work with CNL to develop additional lists of local contractors familiar with energy efficient retrofits and new technologies	Primary	Contractor engagement, improve accessibility to information, increase energy efficient retrofits, public education
	1.4	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	Primary	Improve public health, reduce reliance on vehicles and fossil fuels
	1.5	Establish neighborhood action networks that act as Climate Concierges to advise homeowners on actions they can take to improve the energy efficiency of their homes. The action networks would share information, investigate bulk purchases, and research local suppliers of audits, heat pumps, insulation, solar systems etc.	Secondary	Community engagement, public education, uptake in energy efficient retrofits, reduce energy costs and reliance on fossil fuel

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	1.6	Launch a county-wide carpool program that also encourages carpooling by promoting and strengthening the local carpool lot network through signage and digital maps	Secondary	Reduce reliance on fossil fuels
	1.7	Create an anti-idling campaign	Secondary	Reduce fossil fuel consumption, public education
	1.8	Partner with school boards to create walking school bus program	Secondary	Reduce fossil fuel consumption, promote active transportation
2. Eliminate fossil fuels	2.1	Contract companies to install chargers on public streets, and municipal buildings or property to increase public access to charging	Primary	Increase EV uptake, reduce fossil fuel consumption
	2.2	Partner with Lanark Transportation Association to electrify fleet	Primary	Reduce fossil fuels
	2.3	Investigate and plan to adopt innovative public transit systems that are being implemented in similar small towns and rural communities	Primary	Reduce reliance on vehicles for transportation
	2.4	Facilitate policy changes to create 15-minute communities that are less car-dependent than conventional subdivisions	Primary	Reduce reliance on vehicles and fossil fuels, promote active transportation

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3. Maximize energy efficiencies and increase renewable energy generation	3.1	Develop an energy retrofit program to target older houses that typically have the highest energy usage, as they have the most potential for improvements	Primary	Reduce energy costs, reduce fossil fuels, improve home comfort
	3.2	Adopt green building standards that enforces climate resilient and adaptive building designs that reduce energy demand and increase energy efficiency (e.g. flood prevention strategies, passive cooling, air/ground source heat pump, triple pane windows, light coloured roofs, adding insulation, more efficient lighting, solar panels)	Primary	Reduce energy costs, reduce fossil fuels, improve home comfort
	3.3	Provide incentives and/or recognition to builders and building owners for achieving high performing energy and water efficiency standards, reducing embodied energy content, and building to leading edge standards such as Passive House and LEED	Primary	Reduce energy costs, reduce fossil fuels, improve home comfort, stakeholder, and community engagement
	3.4	Stimulate the development of high-performance new building construction towards Net Zero including Net-Metered solar systems on viable buildings	Primary	Reduce energy costs, reduce fossil fuels, improve home comfort, increase renewable energy generation
4. Reduce waste	4.1	Increase backyard composting by supplying residents with composters and coloured bins on move-in day, as well as online training videos, experienced master composters, and/or municipal staff to train the homeowners and troubleshoot	Primary	Divert organic waste and recyclables from landfills, reduce methane production and GHG emissions produced by waste transportation, community engagement
	4.2	Conduct a waste audit that includes all organic materials and recyclables and evaluates GHG produced in the transportation of materials to the waste sites	Primary	Identify waste diversion priorities and GHG emissions produced

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	4.3	Divert food waste from landfills by developing a FoodCycler program in Lanark County	Primary	Divert organic waste from landfills and reduce methane production, community engagement
	4.4	Divert municipal solid waste from landfills by investigating waste conversion or recycling solutions such as Sustane Technologies Inc. proposal to build a facility in Renfrew County	Secondary	Divert waste from landfills, reduce methane production, sustainable waste management
	4.5	Create an online system to allow residents and businesses to connect with people in Lanark County who will receive and compost their organic waste. Neighbour to Neighbour compost programs	Secondary	Divert organic waste from landfills and reduce methane production, community engagement
	4.6	Collect and process yard and green-bin waste into conventional compost and fungal-dominant compost. Assure farmers low-cost access to compost	Secondary	Divert organic waste from landfills, reduce methane production, sustainable waste management, farmer engagement
	4.7	Create a network to connect livestock farmers with waste producers (e.g. restaurants) based on current local practices that addresses the barriers to use food waste as livestock feed	Secondary	Divert organic waste from landfills, reduce methane production, sustainable waste management
	4.8	Launch soft plastics recycling system	Secondary	Divert plastic waste from landfills, improve plastic recycling
	4.9	Distribute yard waste and clean scrap wood to residents with wood stoves	Secondary	Divert waste from landfills, promote reuse
	4.10	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)	Secondary	Divert organic waste from landfills and reduce methane production, reduce municipal costs to compost

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5. Increase funding, accessibility, and education	5.1	Investigate and develop a municipal loan or municipally led financing program for deep energy retrofits consistent with the City of Ottawa and Tay Valley Township's programs by 2023	Primary	Reduce fossil fuels, reduce energy consumption and costs, improve home comfort
	5.2	Leverage funding opportunities to install electric vehicle charging stations and encourage local municipalities, businesses, and vehicle owners to take advantage of electric vehicle subsidy programs	Primary	Reduce EV costs, promote EV uptake, reduce fossil fuels
	5.3	Encourage local farms to produce more food for local consumption by advocating for funding and municipal by-laws that support local food storage infrastructure (e.g. root cellars, grain warehouses, freezers), abattoirs, food processing, and on-farm slaughter	Primary	Produce local food for local consumption, reduce food transportation emissions, farmer engagement
	5.4	Seek and support financial supports for farmers to invest in no-till agriculture equipment e.g., funding requests to grant funders, requests to ALUS, requests to agricultural organizations and/or develop a County subsidy program	Primary	Reduce GHG emissions from tillage, reduce erosion and nutrient runoff
	5.5	Expand the existing Insulate Lanark program to support more people and projects and increase the maximum valuation to reflect current real estate values	Secondary	Reduce energy costs, increase energy efficiency, reduce fossil fuel consumption
	5.6	Provide incentives (e.g. tax breaks, stipends) for businesses that purchase locally or Canadian made, low carbon, and/or sustainable materials and equipment to offset potentially higher costs	Secondary	Increase low carbon and sustainable materials
	5.7	Free training and/or free agronomic consultation, potentially Advancing Eco Agriculture	Secondary	Increase sustainable agriculture practices

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	5.8	Broker food rescue partnerships between social organizations, farms, and food IC&I through organizations such as Second Harvest, which also offers funding	Secondary	Produce local food for local consumption, reduce food transportation emissions, increase accessibility to local food
6. Sequester carbon and protect natural resources	6.1	Collaborate with local municipalities to create an urban forest/reforest strategy (1 Million Trees Program) and/or a tree preservation policy that protects existing trees, expands tree canopy cover in residential areas, expands greenspace and green infrastructure	Primary	Sequester carbon, protect natural resources, increase forest cover, improve public health and access to greenspace, improve biodiversity
	6.2	Work with local municipalities, Indigenous Peoples, agencies, NGOs and others to map, assess, protect, restore, manage and monitor natural heritage systems where a key approach is to strengthen related land use policies and practices	Primary	Sequester carbon, protect natural resources, restore degraded land, improve landscape connectivity, prevent carbon loss from land use change, improve biodiversity
	6.3	Enforce urban design and redevelopment approaches that incorporate natural systems and green infrastructure into site improvements, greenspaces (parks, rights-of-way, green corridors and other infrastructure facilities) and stormwater management (e.g. raingardens, soak-away pits, bioswales, or permeable groundcovers)	Primary	Sequester carbon, enhance natural resources, improve climate change mitigation, improve water quality
	6.4	Support the identification, protection, restoration and creation of wetlands	Primary	Sequester carbon, protect natural resources, improve biodiversity, improve water filtration services

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	6.5	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 (ALUS Lanark)	Secondary	Sequester carbon, protect natural resources, improve biodiversity
	6.6	Promote backyard pollinator habitat creation with native plants to protect native biodiversity and store carbon in the soil	Secondary	Sequester carbon, improve biodiversity, increase insect pollination services
	6.7	Make County lands available for cooperative farming and community gardening	Secondary	Produce local food for local consumption, reduce food transportation emissions, increase accessibility to local food
	6.8	Accelerate the adoption of cover-cropping practices through some form of public-private partnership	Secondary	Sequester carbon, reduce erosion and nutrient run-off, reduce carbon emissions from exposed soil

<b>No.</b>	<b>COST AND FUNDING SOURCE</b>	<b>PERSON OR DEPARTMENT RESPONSIBLE</b>	<b>APPROXIMATE TIMEFRAME FOR COMPLETION</b>	<b>EXPECTED GHG REDUCTION</b>	<b>LEVEL OF EFFORT</b>	<b>Comments</b>
1.1	None; County resources	Climate Environmental Coordinator	Short-term	Indirect; Medium	Simple	
1.2	None; County resources	Climate & Environmental Department*	Short-term	Indirect; Medium	Simple	*Partner / collaborate with CNL
1.3	None; County resources	Climate & Environmental Department*	Short-term	Indirect; Low	Simple	*Partner / collaborate with CNL
1.4	Medium; Public Works budget	Public Works	Mid-term	Indirect; Low	Simple	
1.5	None	Climate Network Lanark	Long-term	Direct; Low	Medium	
1.6	Low; CC budget	Climate & Environmental Department; partner with Lanark Transportation	Short-term	Direct; Medium	Medium	
1.7	None; County resources	Climate & Environmental Department	Mid-term	Indirect; Medium	Medium	
1.8	None	CAO; partner with the local Public Health Unit	Long-term	Direct; Low	Medium	
2.1	Medium; Provincial gas tax & NRCan Zero Emission Vehicle Infrastructure Program	County & Local Municipalities	Short-term	Direct; Low	Simple	As grants become available.
2.2	None	Climate & Environmental Department; partner with Lanark Transportation	Short-term	Direct; High	Medium	Ongoing will occur as funding is available
2.3	TBD	CAO	Long-term	Direct; Low	Simple	Example: carpool program
2.4	None	Planning Department	Long-term	Direct; Low	Difficult	
3.1	High; FCM's GMF (home energy retrofit program), Canada Greener Homes Program & CC budget	Climate & Environmental Department	Mid-term	Direct; High	Difficult	
3.2	None; Canada Greener Homes Grant & Federal Government Loan Program	Climate & Environmental Department	Mid-term	Indirect; High	Medium	



3.3	Medium; CC budget	Climate & Environmental Department	Short-term	Indirect; High	Medium	
3.4	None	TBD	Mid-term	Indirect; High	Medium	
4.1	TBD	Local Municipalities	Short-term	Direct <sup>1</sup> ; Medium	Simple	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.2	TBD	Climate & Environmental Department	Short-term	Indirect; Low	Medium	Gather available waste audit data and conduct statistical analysis
4.3	TBD	Climate & Environmental Department	Short-term	Direct <sup>1</sup> ; Medium	Medium	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.4	TBD	CAO	Long-term	Direct <sup>1</sup> ; High	Medium	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.5	None; County resources	Climate & Environmental Department*	Short-term	Direct <sup>1</sup> ; Low	Simple	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory; *CNL is exploring a pilot project replicating an existing online app
4.6	TBD	Local Municipalities	Long-term	Direct <sup>1</sup> ; Medium	Medium	Partner with a local municipality with the capability to collect compost, process and redistribute; <sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.7	TBD	Climate & Environmental Department*	Mid-term	Direct <sup>1</sup> ; Medium	Medium	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory; *CNL is exploring a pilot project replicating an existing online app

4.8	Medium; Local Municipalities	Local Municipalities	Mid-term	Direct <sup>1</sup> ; Medium	Medium	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.9	TBD	County & Local Municipalities	Mid-term	Direct <sup>1</sup> ; Low	Medium	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
4.10	None; County resources	Climate & Environmental Department	Short-term	Direct <sup>1</sup> ; Medium	Difficult	<sup>1</sup> Captured in local municipal corporate GHG emissions inventory
5.1	High; FCM's GMF (home energy retrofit program) & CC budget	Climate & Environmental Department	Mid-term	Direct; High	Difficult	
5.2	None; NRCan Zero Emission Vehicle Infrastructure Program	Climate & Environmental Department	Short-term	Direct; High	Simple	
5.3	TBD	Climate & Environmental Department	Mid-term	Indirect; Low	Medium	
5.4	TBD	Climate Environmental Coordinator & ALUS	Mid-term	Indirect; Medium	Medium	
5.5	Medium; Insulate Lanark budget	CAO	Short-term	Direct; Medium	Simple	
5.6	TBD	TBD	Long-term	Indirect; Low	Medium	
5.7	None; County resources	Climate & Environmental Department; partner with Ontario Soil & Crop Improvement Association & ALUS	Long-term	Indirect; Low	Simple	
5.8	TBD	Climate & Environment Department; partner with Second Harvest	Long-term	Indirect; Low	Medium	
6.1	Medium; CC & local municipal budgets*	Climate Environmental Coordinator, County Planner & local municipalities; Partner with RVCA	Mid-term	Indirect; Medium (Carbon offsets)	Medium	*Split the costs for tree planting with local municipalities

6.2	None; County resources	County Planner, Local Municipalities; partner with The Land Between & Ducks Unlimited Canada	Mid-term	Indirect*; Low	Medium	*Could be measured by estimating GHG emissions from avoided land use change
6.3	None	Climate Environmental Department & Local Municipalities	Mid-term	Indirect; Low	Medium	
6.4	None	Climate & Environmental Department; Ducks Unlimited and The Land Between	Short-term	Indirect; Medium	Difficult	
6.5	Medium; CC budget	Climate & Environmental Department	Short-term	Indirect; Low	Medium	
6.6	Low; Public Works budget	Climate Environmental Coordinator; partner with Canadian Wildlife Federation	Short-term	Indirect; Low	Simple	
6.7	None; County resources	CAO	Long-term	Indirect; Low	Simple	
6.8	None	Climate & Environmental Department; partner with Soil & Crop Improvement Association and others	Long-term	Indirect; Medium	Simple	

**LEGEND**

	POTENTIAL BENEFITS	COST AND FUNDING SOURCE	PERSON or DEPARTMENT RESPONSIBLE	APPROXIMATE TIMEFRAME FOR COMPLETION	EXPECT GHG REDUCTION	COMMENTS
		Low <\$10,000		Short-term 1-2 years		
		Medium \$10,000 - \$100,000		Mid-term 3-6 years		
		High >\$100,000		Long-term 7-10 years		
<b>Definition</b>						
LEED	Leadership in Energy and Environmental Design	GMF - Green Municipal Fund	ALUS - Alternative Land Use Services		direct - directly reduces GHGs (measurable)	CNL - Climate Network Lanark
		CC budget - Lanark County Climate Change budget	RVCA - Rideau Valley Conservation Authority		indirect - indirectly reduces GHGs (not measurable)	GHG - Greenhouse Gas
		TBD - To Be Determined	CAO - Chief Administration Officer			