

Project Factsheet:

CITY OF LANCASTER MUNICIPAL OPERATIONS CLIMATE ACTION PLAN

CITY OF LANCASTER – LEADING BY EXAMPLE

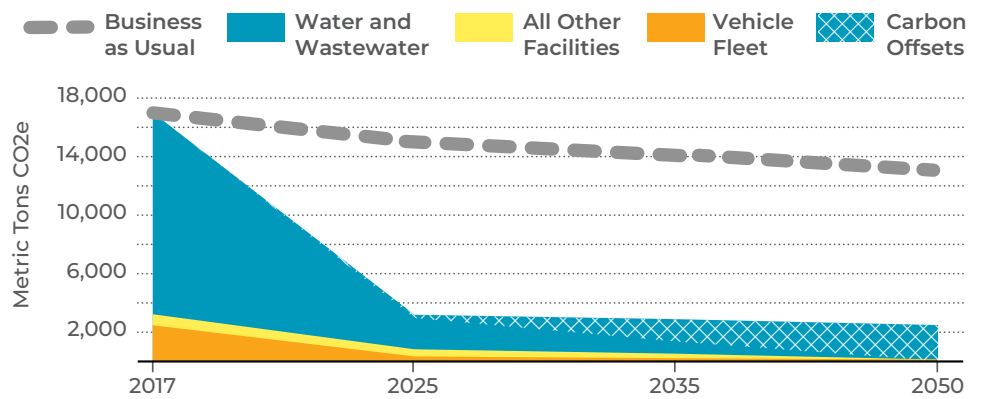
The City of Lancaster’s core mission is to serve its residents, businesses, and environment. Throughout its nearly 300-year history, the City has proven resilient and adaptive to rapid shifts in industry, transportation, and technology, among other changing conditions. This flexibility has been a vital asset, which is evident in Lancaster’s adaptive reuse of historic structures, and it will be key to the City’s efforts to prepare for the effects of climate change. Decreasing emissions can lead to increased prosperity, and adapting to extreme weather will require improved infrastructure. Building on the spirit of ingenuity that has always helped drive Lancaster’s success, the City’s Municipal Operations Climate Action Plan affirms a renewed commitment to the future of Lancaster City.

VISION STATEMENT

The City of Lancaster equitably implements innovative, collaborative, and fiscally responsible strategies to reduce greenhouse gas emissions and build resilience to the impacts of climate change.

Change in Metric Tons CO₂e

The City will mitigate its municipal operations emissions by 80% by 2025, 90% by 2035, and 100% by 2050.

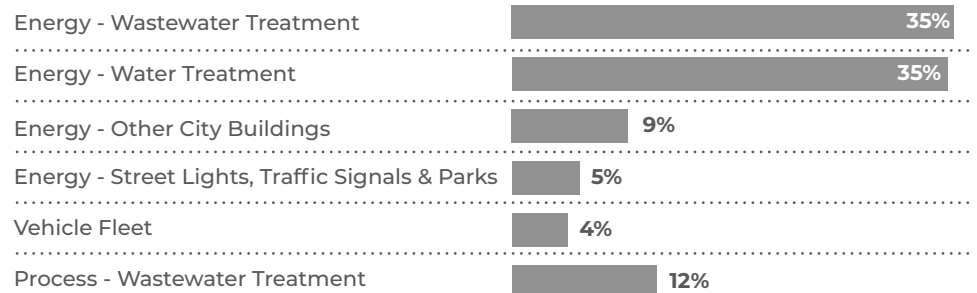


NEXT STEPS

- Establish an implementation working group/committee
- Prioritize and integrate the plan into existing municipal functions
- Share ongoing progress with the community
- Develop a community-scale planning process for a Lancaster City Climate Action Plan in the near future

City of Lancaster 2017 Baseline Emissions by Sector (17,012 MT CO₂e)

The City has been tracking greenhouse gases (GHGs) emitted through municipal operations for several years. This profile helps the City set goals and develop strategies to reduce emissions and adapt to changes in climate while creating more efficient and resilient municipal operations.



For more information visit www.cityoflanasterpa.com/climate or email info@cityoflanasterpa.com



CITY OF LANCASTER MUNICIPAL OPERATIONS CLIMATE ACTION PLAN

OVERVIEW OF GOALS AND STRATEGIES

	Goals	2025	2035	2050	Strategies
Energy	Transition to renewable energy sources from a mix of onsite or offsite options.	100%	100%	100%	<ul style="list-style-type: none"> Reduce energy consumption in municipal buildings through energy efficiency Increase renewable energy through onsite and offsite generation Consider electrification of buildings Improve energy habits among building occupants Improve streetlight efficiency Establish efficiency and renewable energy requirements for all future construction of municipal buildings
	Reduce municipal energy consumption through energy efficiency improvements.	25%	40%	50%	
	All newly constructed municipal facilities to be built to highest efficiency standards (IECC) and powered by a percentage of renewable energy with a progressive goal of carbon neutral/net zero buildings.	Highest efficiency standards	Carbon neutral	Carbon neutral	
Vehicle Fleet	Reduce fuel emissions through reduced vehicle miles traveled, when possible, across the municipal fleet.	15% reduction of VMT	20% reduction of VMT	30% reduction of VMT	<ul style="list-style-type: none"> Conduct a fleet analysis Increase number of lower-carbon vehicles Expand employee bike share Integrate employee transportation demand management
	Reduce fuel emissions through cleaner fuel technologies, when possible, across the municipal fleet.	10% of eligible vehicles	25% of eligible vehicles	100% eligible vehicles	
Waste	Divert the amount of landfill waste contributed by municipal facilities that cannot be transferred to energy, including construction debris, some organics and wastewater-produced biosolids.	25% diversion of waste from landfill	70% diversion of waste from landfill	Zero waste sent to landfills	<ul style="list-style-type: none"> Conduct waste analysis for municipal buildings Implement food composting in municipal buildings Commit to adaptive reuse of city buildings and construction recycling Reduce employee waste Reuse office equipment
Carbon Offsets	Strategically employ carbon offsets to progressively reach carbon neutrality associated with municipal operations.	1% of baseline emissions offset	10% of baseline emissions offset	19% of baseline emissions offset	<ul style="list-style-type: none"> Identify responsibility internally Establish financing and pilot programs
Water / Wastewater/ Stormwater	Reduce water consumption on city properties.				<ul style="list-style-type: none"> Implement energy efficiency strategies at water and wastewater facilities Conduct combined heat and power/ renewable energy feasibility study at wastewater plant Conduct water audits in all facilities Retrofit all facilities with water-efficient features Continue to implement green infrastructure improvements to ease flooding in key areas Establish water reclamation/reuse effort Expand the use of biosolids
	Reduce stormwater entering into the system through conservation, green infrastructure and technology.				
Building a Culture of Sustainability	*In addition to these goals, some strategies for reducing energy use in Water and Wastewater processes are addressed in the Energy section.				<ul style="list-style-type: none"> Dedicate additional staff to lead city climate action Establish a green team Develop a green meetings policy Integrate climate/sustainability into municipal processes Implement climate-sensitive purchasing guidelines
	Reduce excess energy and water consumption by City employees.				
	Reduce the emissions impact of City employees' travel to and from work.				
	Reduce upstream and downstream emissions by assessing city-wide purchasing practices at city-wide level.				
	Establish community-wide connections to municipal climate action, designed to encourage broad-based community support and action.				

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