

# Energy and Environment Committee

## Item 8

### C.F. 22-1402

Summary of Report by the Office of the City Administrative Officer (CAO) Dated August 7, 2024

## Background

- April 26, 2024 – Energy and Environment Committee considered the Bureau of Sanitation (LASAN) report on the Annual Community and Municipal Greenhouse Gas Inventory
- May 8, 2024 – City Council instructed the CAO to report on a strategy for integrating climate considerations into the City's budgeting process
- August 7, 2024 – CAO released a report providing analysis on the Annual Community and Municipal Greenhouse Gas Inventory to recommend areas of opportunity for climate priorities in budgeting

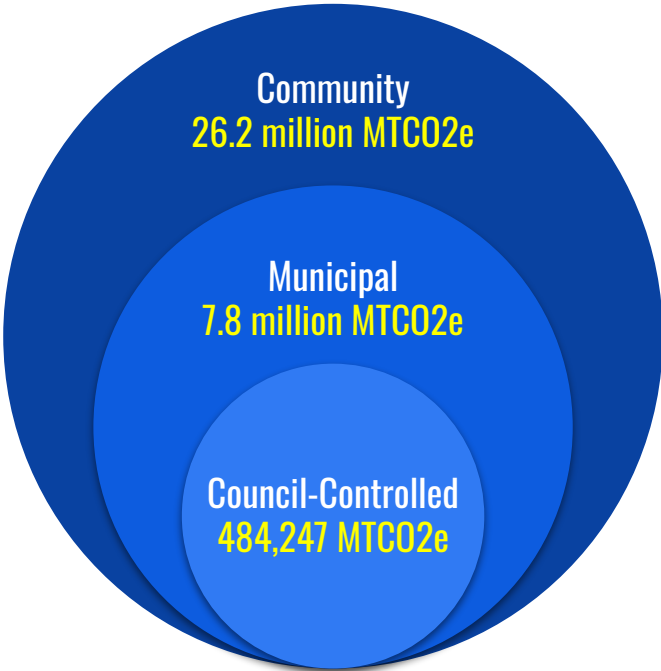
# Findings from LASAN Annual Community and Municipal Greenhouse Gas Inventory



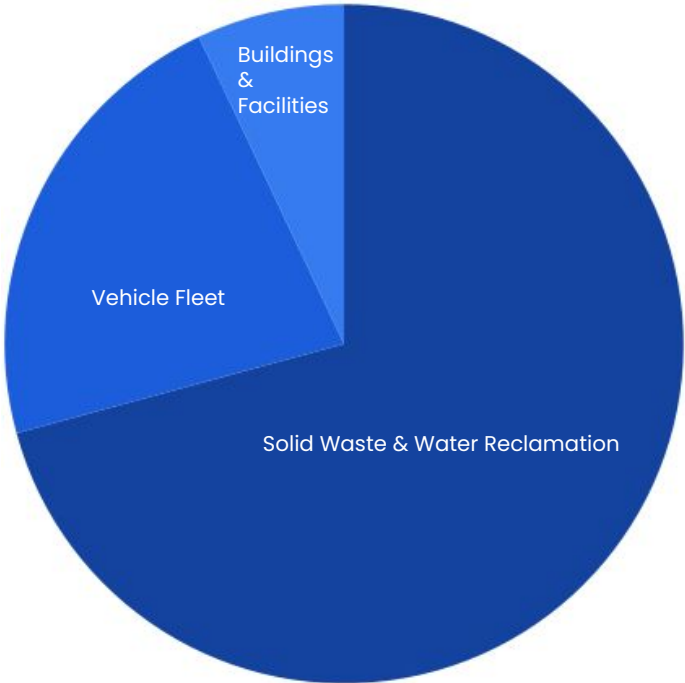
1 metric ton of carbon dioxide equivalent (MTCO<sub>2</sub>e) represents a one-way trip from Paris to New York by plane.



# City of Los Angeles Emissions



# Council-Controlled Emissions by Source



Building and facility emissions are equivalent to flying around the world **6.9** times.

Source: 2022 Municipal GHG Inventory Report released by LASAN, January 2024

# Over 93% of Municipal Emissions are from Proprietary Departments, Primarily from Power Generation

## *Municipal GHG Inventory (Scope 1 & Scope 2)*

Department Group	MTCO <sub>2</sub> e Emissions	Percentage	Emissions Owner	Emissions Sources	Detailed Emissions	Detailed Percentage
Proprietary	7,319,784	93.8%	LADWP	<ul style="list-style-type: none"> <li>- Power Generation</li> <li>- Purchased Electricity for Streetlights and Traffic Signals</li> <li>- Vehicle Fleet</li> <li>- Water Delivery</li> </ul>	7,277,563	93.3%
			LAWA, POLA	<ul style="list-style-type: none"> <li>- Buildings and Facilities</li> <li>- Proprietary Operations</li> <li>- Vehicle Fleet</li> </ul>	42,221	0.5%
Council-Controlled	484,247	6.2%	LASAN	<ul style="list-style-type: none"> <li>- Biogenic</li> <li>- Closed Landfills</li> <li>- Water Reclamation</li> </ul>	342,662	4.4%
			GSD, LADOT, LAFD, LAPD	<ul style="list-style-type: none"> <li>- Municipal Fleet</li> <li>- Transit Fleet</li> </ul>	107,535	1.4%
			BOE, GSD, RAP	<ul style="list-style-type: none"> <li>- Buildings and Facilities</li> </ul>	34,050	0.4%
<b>Total</b>	<b>7,804,031</b>	<b>100.0%</b>			<b>7,804,031</b>	<b>100.0%</b>

GHG Accounting Method: Local Government Operations Protocol Version 1.1, May 2010

Source: 2022 Municipal GHG Inventory Report released by LASAN, January 2024

# Solid Waste and Wastewater Emissions are the Next Highest Emissions Sources

## Emissions from Council-controlled Departments (6.2% of entire Municipal Inventory)

Municipal Area of Operations	MTCO <sub>2</sub> e Emissions	Council-controlled Percentage	Emissions Owner(s)	Emissions Sources
Solid Waste and Wastewater	342,662	70.8%	LASAN	<ul style="list-style-type: none"><li>- Closed Landfills</li><li>- Water Reclamation</li><li>- Biogenic</li></ul>
Vehicle Fleet	107,535	22.2%	GSD, LADOT, LAFD, LAPD	<ul style="list-style-type: none"><li>- Municipal Fleet</li><li>- Transit Fleet</li></ul>
Buildings and Facilities	34,051	7.0%	BOE, GSD, RAP	<ul style="list-style-type: none"><li>- Building Systems</li></ul>
<b>Total</b>	<b>484,247</b>	<b>100.0%</b>		

## Areas of Opportunity for Emissions Reduction

- Solid Waste and Wastewater
  - Five LASAN landfills are fully closed. LASAN has nearly completed reuse of sites.
- Vehicle Fleet
  - Opportunity to optimizing fleet management, electrify the fleet, and integrate alternative fuels
- Buildings and Facilities
  - Bureau of Engineering is preparing a cost estimate for reducing or eliminating emissions from City-owned facilities (C.F. 21-1039)