


# CITY AND BOROUGH OF SITKA

A COAST GUARD CITY

## MEMORANDUM

**To:** Sustainability Commission Members  
**From:** Bri Gabel, Sustainability Coordinator   
**Date:** November 25, 2025  
**Subject:** December Work Session Materials

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### **Background**

Per the direction given at the November regular meeting, the December regular meeting session will be used as a work session to focus on [2025-2026 Sustainability Commission Work Plan](#). This work session will focus on:

### **Goal 1: Support Sustainable Municipal Operations**

- a. Update the Municipal Greenhouse Gas (GHG) Emissions Inventory and analyze progress.
- b. Identify sustainability metrics for municipal operations that align with CBS's Strategic Plan.
- c. Develop recommendations and necessary actions to reduce municipal emissions, such as continued support for electrification of the municipal fleet via advisory group.
- d. Integrate sustainability metrics into existing and near future CBS projects.

### **Other Helpful Documents:**

[Sitka 2022-2027 Strategic Plan](#)

Sitka 2023 Greenhouse Gas Emissions Inventory Summary Table (Attached)

# Sitka 2023 Greenhouse Gas Emissions Inventory Summary

*The full inventory is anticipated to be released early December, 2025*

Emission Source	MTCO <sub>2</sub> e	% of Total	Notes
<b>SCOPE 1</b>	<b>33,275</b>	<b>27%</b>	
Electricity Generation	102	0.1%	9,975 gal used in diesel back up exercise
Building Heating	10,448	8%	Utility Bill Analysis: if avg winter (Dec, Jan, Feb) consumption was >50% than summer (Jun, Jul, Aug) presumed electric. Uses a customized heating energy (76 MMBtu/sf) that is more accurate to Sitka's climate vs AK in general and sf from assessing information.
Residential	8,808	7%	57% electric, 41% Fuel Oil, likely does not capture all of heat pumps (closer to ~30% increase in consumption)
Commercial	1,640	1%	49% Electric, 51% Fuel Oil, likely does not account for seasonal activity
Ground Transportation	4,387	4%	2024 DMV VIN list analysis: 8,353 vehicles, 70% active, 1,400 mi/yr
Passenger Cars and SUVs	2,280	2%	5,443, 5,222 gas/diesel, 221 electric
Trucks, Vans, Buses	2,097	2%	2,511 total vehicles
Tour Buses	143	0.1%	Subsection of trucks, vans, buses
Public Transport	375	0.3%	Subsection of trucks, vans, buses
Motorcycles, ATVs	148	0.1%	
Marine Activity	18,330	14%	
Commercial Fishing	15,363	12%	PNNL analysis, marine activity was included in Scope 1 with commercial fishing classified as industry and rec/charter as transportation
Recreational Activity	2,256	2%	
Charter	711	0.6%	
Wastewater	9	0.01%	EPA emission factor based on population, non-nitrifying
<b>SCOPE 3</b>	<b>95,399</b>	<b>73%</b>	
MSW	4,440	3%	7,618 tons waste, 240 recycling, does not include shipping
Shipping	45,083	35%	Includes shipping waste to WA
Barge	1,854	1%	1.54 gal diesel to move 1 ton to Sitka, 117,658 tons to/from Sitka via barge
Air Freight/Mail	43,229	34%	46,658 tons to/from Sitka via air, EPA ton-mile emission factor
Air Travel	11,804	9%	40,586 revenue passenger miles, 67/32 split of medium/short haul flight emission factor
Mainline	6,445	5%	20% of imported kerosene assumed to refuel mainline flights
Local	5,359	4%	80% of imported kerosene (657,784 gal)
Cruise Ships	34,072	26%	4 hrs @ 53% MCR, 9 hrs @ 29% MCR 333 visits from 39 ships
<b>TOTAL</b>	<b>128,675</b>	<b>100%</b>	