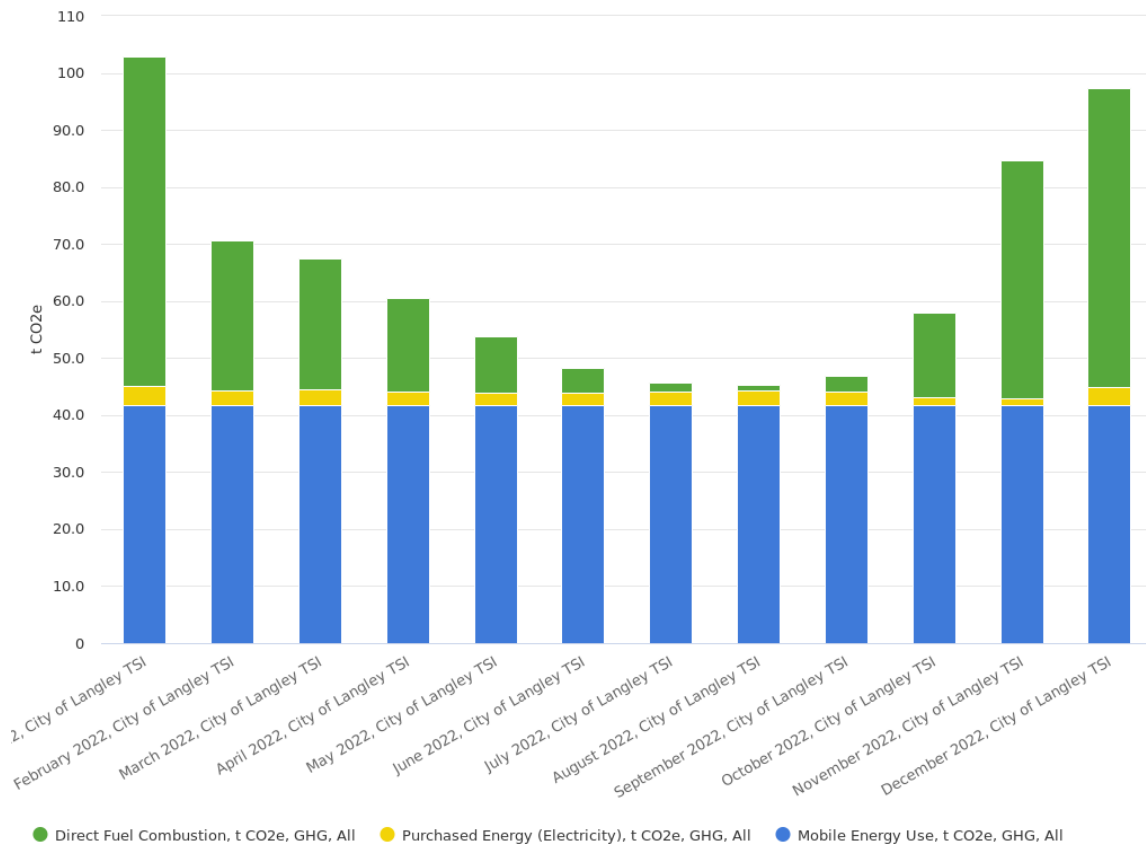




2022 BC Traditional Services GHG Inventory

<u>Reporting Entity:</u>	City of Langley
<u>Reporting Year:</u>	Calendar Year 2022
<u>Inventory Scope:</u>	BC Traditional Services Inventory “TSI”
<u>Quantification Methodology:</u>	2022 B.C. Best Practices Methodology for Quantification GHG Emissions, Local Governments & Public Sector Organizations
<u>System Support:</u>	SoFi GHG Reporting by GHG Accounting Services
<u>Data collection:</u>	City of Langley
<u>Data Entry:</u>	Data Upload

Total TSI GHG Inventory: 782 t CO₂e



Total Energy Consumption by Energy Type for Traditional Services Inventory:

	City of Langley TSI	
Natural Gas Stationary [GJ]		5,063
Electricity [kWh]		2,475,068
Gasoline [l]		64,676
Diesel [l]		136,443
Natural Gas Mobile [kg]		420.6

Category 1:

	City of Langley TSI				
	GJ, Energy	t CO ₂	t CH ₄	t N ₂ O	t CO ₂ e, GHG, Category 1
Direct Fuel Combustion	5,063	251	0.005063	0.004557	252

Category 2:

	City of Langley TSI	
	kWh	t CO ₂ e, GHG, Category 2
Purchased Energy (Electricity)	2,475,068	28.5

Category 3:

	City of Langley TSI				
	GJ, Energy	t CO ₂	t CH ₄	t N ₂ O	t CO ₂ e, GHG, Category 3
Mobile Energy Use	7,456	494	0.030157	0.0023329	501

Biogenic GHG Emissions:

	City of Langley TSI		
	t Bio CH ₄	t Bio CO ₂	t Bio CO ₂ e, GHG, All
Direct Fuel Combustion			
Mobile Energy Use		18.4	18.4
Total		18.4	18.4

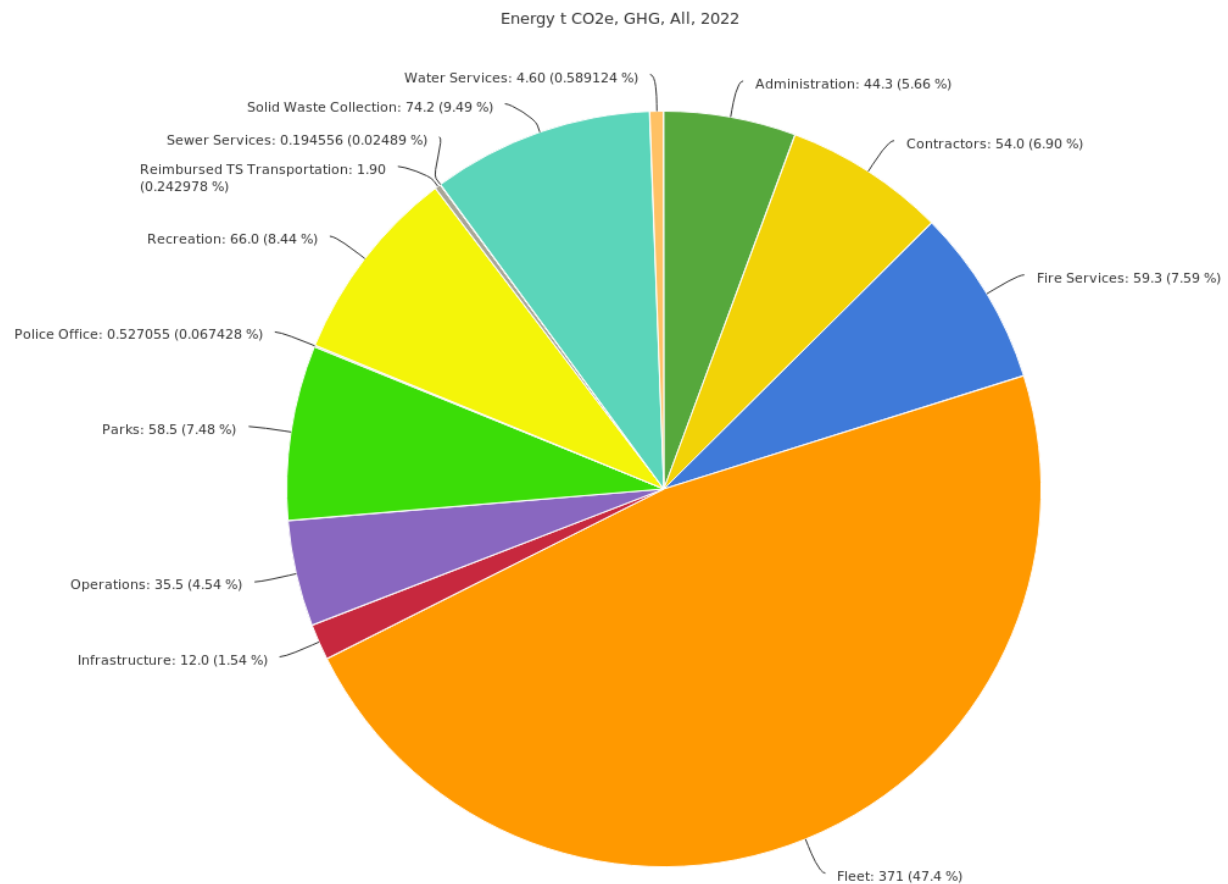
Totals by Service Delivery:

	City of Langley TSI		Total
	City of Langley Delivered Directly	City of Langley Contracted Services	
	Energy Inventory	Energy Inventory	
	t CO ₂ e, GHG, All	t CO ₂ e, GHG, All	
2022	652	130	782

Summary:

	2022	
	Energy Inventory t CO ₂ e, GHG, All	Total
City of Langley TSI	782	782

GHG Overview by Service Areas:



Top GHG Emitter

	t CO ₂ e, GHG	%
Total City of Langley TSI	782.0	100
Fleet	371.0	47.4
Solid Waste Collection	74.2	9.49
Recreation	66.0	8.44



Carbon Neutrality Status:

	City of Langley TSI
	t CO ₂ e
Offsets Required	782
Option 1C: Household Organic Waste Composting	362
Option 1E: Project Profile Avoided Forest Conversion (AFC)	
Offsets from Previous Years	
Offsets Acquired	
Carbon Neutrality Status	420