

## Appendix A

# 4 DISTRICT OF CENTRAL SAANICH

## 4.1 2022 Profile

Profile	
Population	19,070
Dwellings	7,933
Registered Vehicles	18,981
Energy (Thousands of GJ)	2,168
GHG Emissions (tCO <sub>2</sub> e)	111,246

## 4.2 Energy & GHG Emissions

**Table 8** presents a summary comparison of the District of Central Saanich's 2007 and 2022 energy and GHG emissions.

**Table 8. Estimated Energy and GHG Emissions By Reporting Source**

Source	Type	2007 Energy (GJ)	2022 Energy (GJ)	Change (%)	2007 GHG Emissions (tCO <sub>2</sub> e)	2022 GHG Emissions (tCO <sub>2</sub> e)	Change (%)
<b>Stationary Energy</b>							
Residential Buildings	Electricity	400,574	362,855	-9.4%	3,972	1,159	-70.8%
	Natural Gas	101,999	145,249	42.4%	5,084	7,389	45.3%
	Fuel Oil	18,644	15,794	-15.3%	1,274	1,080	-15.3%
	Propane	3,220	3,179	-1.3%	196	194	-0.9%
	Wood	7,150	6,905	-3.4%	184	177	-3.4%
	Diesel	8,496	6,352	-25.2%	626	456	-27.2%
Commercial & Industrial Buildings	Electricity	231,056	270,135	16.9%	2,291	863	-62.3%
	Natural Gas	152,986	176,742	15.5%	7,625	8,991	17.9%

Source	Type	2007 Energy (GJ)	2022 Energy (GJ)	Change (%)	2007 GHG Emissions (tCO <sub>2</sub> e)	2022 GHG Emissions (tCO <sub>2</sub> e)	Change (%)
	Fuel Oil	-	-	-	-	-	-
	Diesel	27,258	50,303	84.5%	2,009	3,610	79.7%
Energy Industries	LFG Combustion			-	-	-	-
Agriculture, Forestry And Fishing Activities	Diesel	83,613	88,306	5.6%	6,163	6,337	2.8%
Natural Gas Fugitive Emissions				-	57	81	44.0%
<b>Total</b>		<b>1,034,994</b>	<b>1,125,820</b>	<b>8.8%</b>	<b>29,482</b>	<b>30,337</b>	<b>2.9%</b>
<b>On-Road Transportation</b>							
Electric Vehicles	Electricity	-	4	-	-	13	-
Hydrogen Vehicles	Hydrogen	-	-	-	-	-	-
Passenger Vehicles	Gasoline + Diesel	278,538	156,998	-43.6%	18,746	10,241	-45.4%
Light Trucks, Vans, SUVs	Gasoline + Diesel	324,185	462,004	42.5%	22,087	30,533	38.2%
Heavy Duty Vehicles	Gasoline + Diesel	179,813	338,365	88.2%	12,135	21,990	81.2%
Propane Vehicles	Propane	2,375	1,006	-57.7%	143	57	-60.2%
Natural Gas Vehicles	Natural Gas	-	-	-	-	-	-
Motorcycles	Gasoline	2,245	2,537	13.0%	155	164	5.9%
<b>Total On-Road Transportation</b>		<b>787,157</b>	<b>960,914</b>	<b>22.1%</b>	<b>53,267</b>	<b>62,997</b>	<b>18.3%</b>
<b>Off-Road Transportation</b>							
Marine, Aviation and Other Off-Road Vehicles	Gasoline + Diesel + Jet Fuel	77,527	81,002	4.5%	5,741	5,985	4.3%
<b>Total Off-Road Transportation</b>		<b>77,527</b>	<b>81,002</b>	<b>4.5%</b>	<b>5,741</b>	<b>5,985</b>	<b>4.3%</b>
<b>Waste</b>							
Wastewater					668	189	-71.6%

Source	Type	2007 Energy (GJ)	2022 Energy (GJ)	Change (%)	2007 GHG Emissions (tCO <sub>2e</sub> )	2022 GHG Emissions (tCO <sub>2e</sub> )	Change (%)
Composting					0	149	-
Solid Waste					5,119	1,522	-70.3%
<b>Total Waste</b>					<b>5,786</b>	<b>1,860</b>	<b>-67.9%</b>
<b>Agriculture Forestry &amp; Other Land Use (AFOLU)</b>							
Land-Use: Emissions Sequestered (Disclosure Only - Not Included In Total)					-5,014	-4,844	-3.4%
Land-Use: Emissions Released (Disclosure Only - Not Included In Total)					5,925	154	-97.4%
Livestock, Aggregate Sources and Non-CO <sub>2</sub> Emission Sources on Land					3,246	4,135	27.4%
<b>Total AFOLU</b>					<b>3,246</b>	<b>4,135</b>	<b>27.4%</b>
<b>Industrial Process &amp; Product Use (IPPU)</b>							
Process Use Emissions					3,249	5,932	82.6%
<b>Total IPPU</b>					<b>3,249</b>	<b>5,932</b>	<b>82.6%</b>
<b>TOTAL</b>		<b>1,899,678</b>	<b>2,167,736</b>	<b>14.1%</b>	<b>100,771</b>	<b>111,246</b>	<b>10.4%</b>