



**South Kesteven District
Council Carbon Emissions
Tracker**

Commentary :

This dashboard provides an overview of South Kesteven District Council's carbon emissions for the period of April 2021- March 2022, including the use of gas and electricity, emissions from the vehicle fleet and operation of four Leisure Centres. Greater understanding of carbon emission changes is essential to track progress towards the Council's carbon reduction target of at least 30% by 2030 and to net zero carbon as soon as viable before 2050.

The 2021/22 financial year saw a decrease in carbon emissions of 14.23%, or an overall reduction in 1082 tonnes of carbon compared to the baseline. The operation of the Leisure Centres saw a significant reduction of over 25%. Significant reductions have been seen in electricity used in the Council's buildings of over 33%. This can be attributed to both a reduction in total kilowatt hours of energy consumed, as well as the national supply of electricity continuing to decarbonise as more renewable sources of energy contribute.

However, fuel consumption from the Council's fleet of vehicles has increased slightly as well as a modest increase in carbon emissions associated with gas used in the Council's property portfolio. There was a contribution to the total carbon emissions reported through a leak of refrigerant gas from an air conditioning unit. Business travel has also bounced back to a pre-pandemic level, despite an adjustment of the carbon emissions factor to note the majority of staff mileage is conducted in diesel vehicles which has slightly lower carbon emissions than petrol.

While some important reductions of carbon emissions have been seen in select categories, the Council should continue to look for opportunities in the short and longer terms to ensure a downward trajectory towards the declared carbon reduction target of at least 30% by 2030.

Data Quality Index :

Source	Frequency	Confidence
Electric	Quarterly	
Environment SK	Annual	
Fleet	Monthly	
Gas	Quarterly	
Leisure Centres	Variable	
Member Travel	Monthly	
Refrigerants	Annual	
Solar	Annual	
Staff Travel	Quarterly	
Waste	Quarterly	
Water	Annual	

Confidence Description

	High level of confidence in the data supplied.
	Moderate Level of confidence in the data supplied. May include estimated or proxy data.
	Low level of confidence in the data supplied. Data may be incomplete or has not been effectively validated.

South Kesteven District Council Emissions 2021/2022



2358

Leased Asset CO₂e

-25.30%

Leased Asset change from 2018/19 Baseline



1941

Fleet CO₂e

1.18%

Fleet change from 2018/19 Baseline



1393

Gas CO₂e

3.61%

Gas change from 2018/19 Baseline



712

Electric CO₂e

-33.60%

Electric change from 2018/19 Baseline

-14.23%

Difference From Baseline (%)

-1082

Difference From Baseline (Tonnes)

6,518

Total CO₂e Tonnes

7032

Target Emissions

98.56

Business Travel CO₂e

-0.45%

Business Travel change from 2018/19 Baseline



2.19

Water CO₂e

-56.21%

Water change from 2018/19 Baseline



2.28

Waste CO₂e

-24.02%

Waste change from 2018/19 Baseline

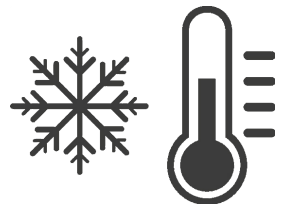


6.06

Refrigerants CO₂e

202.76%

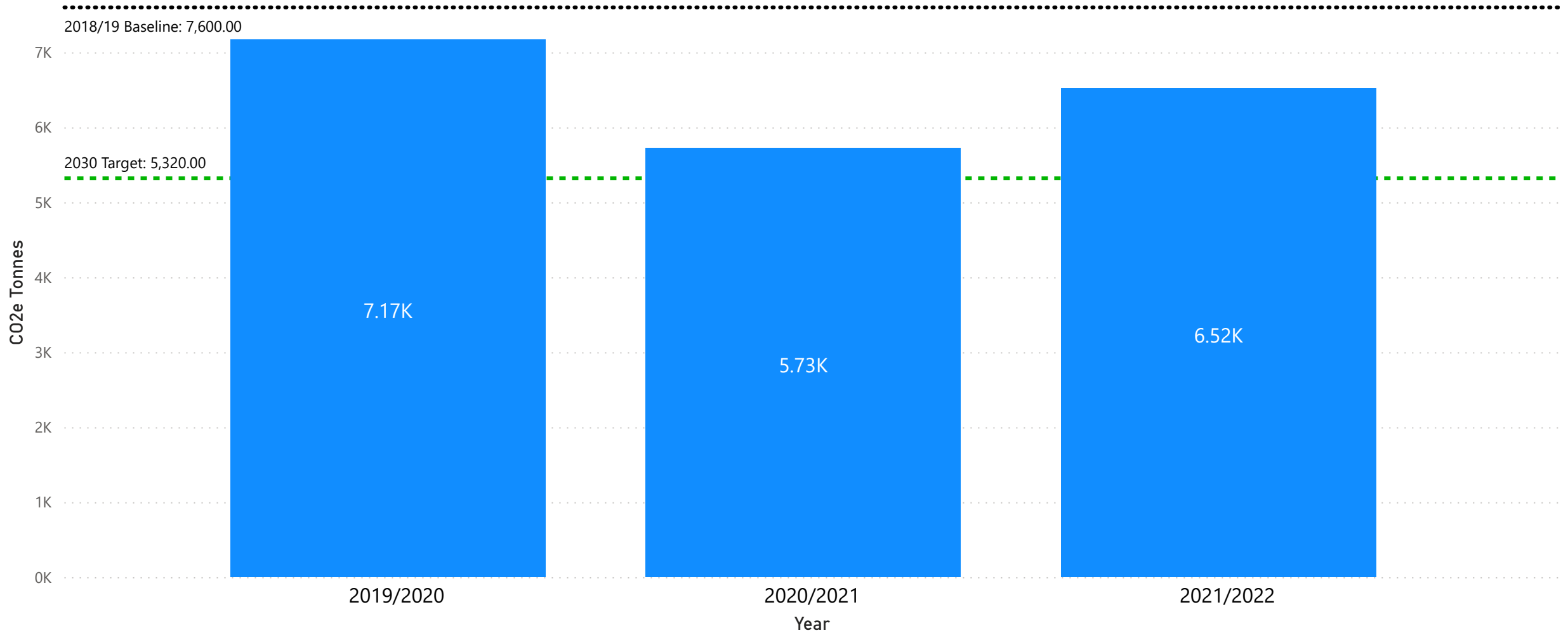
Refrigerants change from 2018/19 Baseline





South Kesteven District Council Carbon Emissions Tracker - Annual Comparison

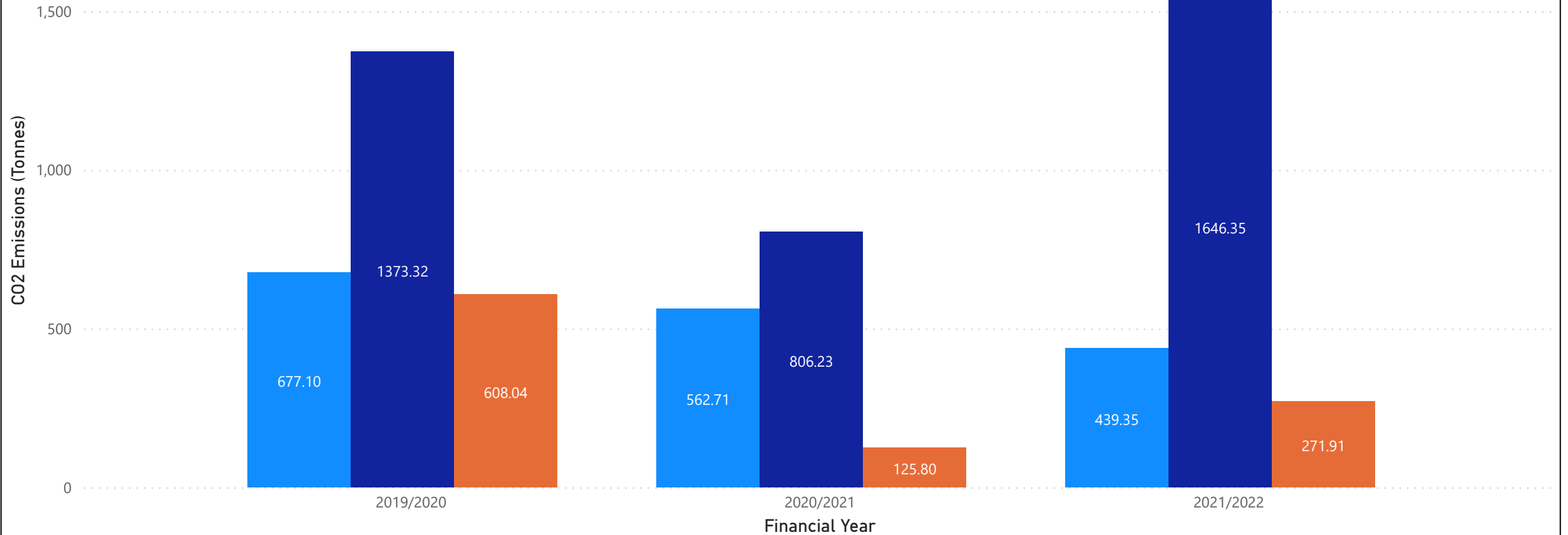
Yearly Emissions - CO2e Tonnes

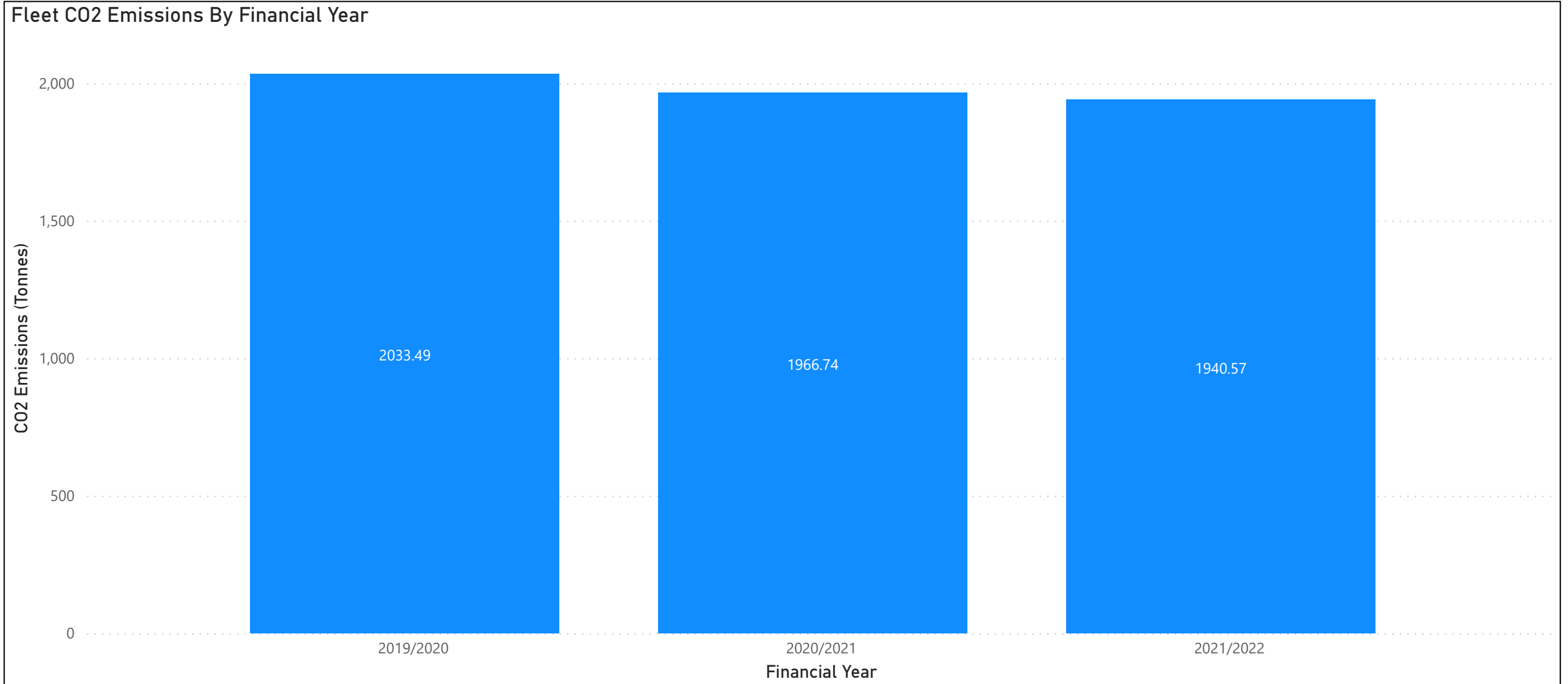


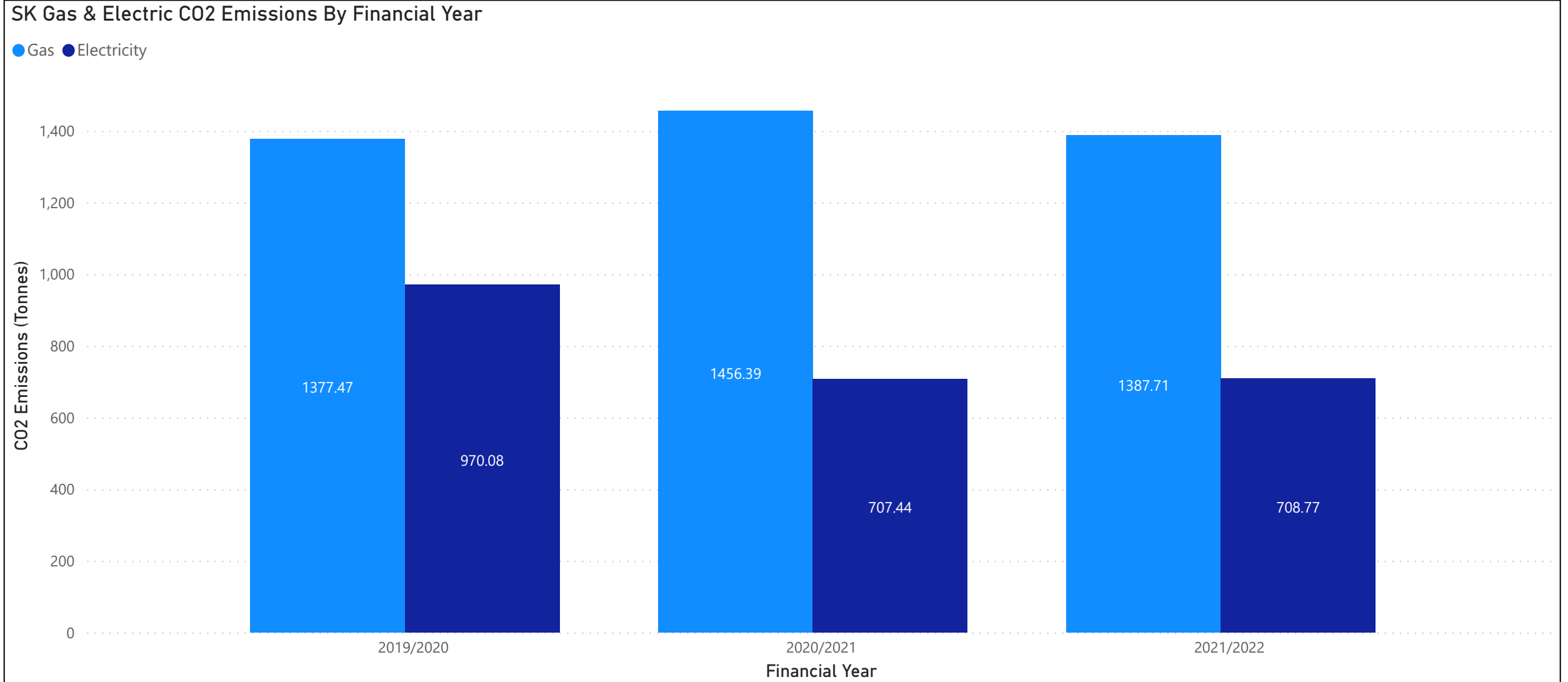


Leisure Centre CO2 Emissions By Financial Year

● LC Electricity ● LC Gas ● LC Fuel Oil

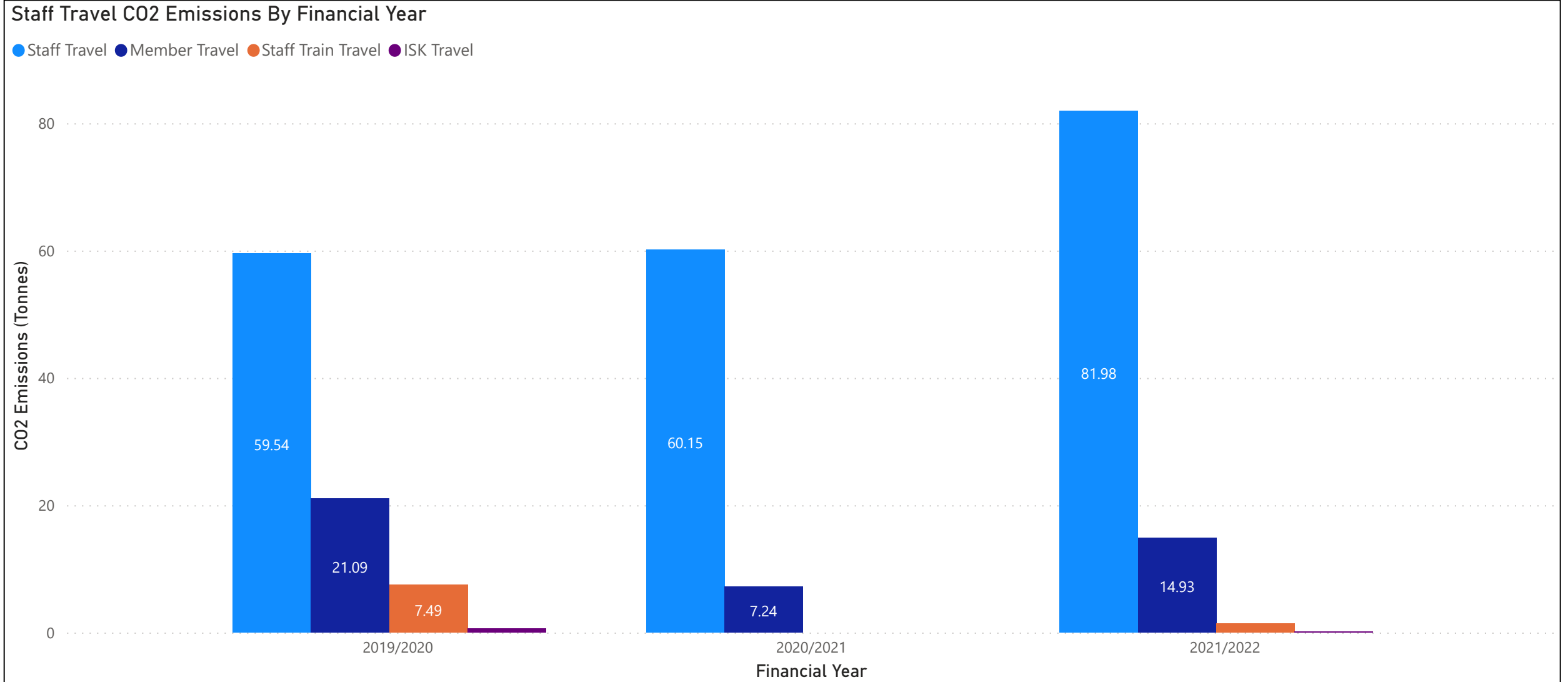








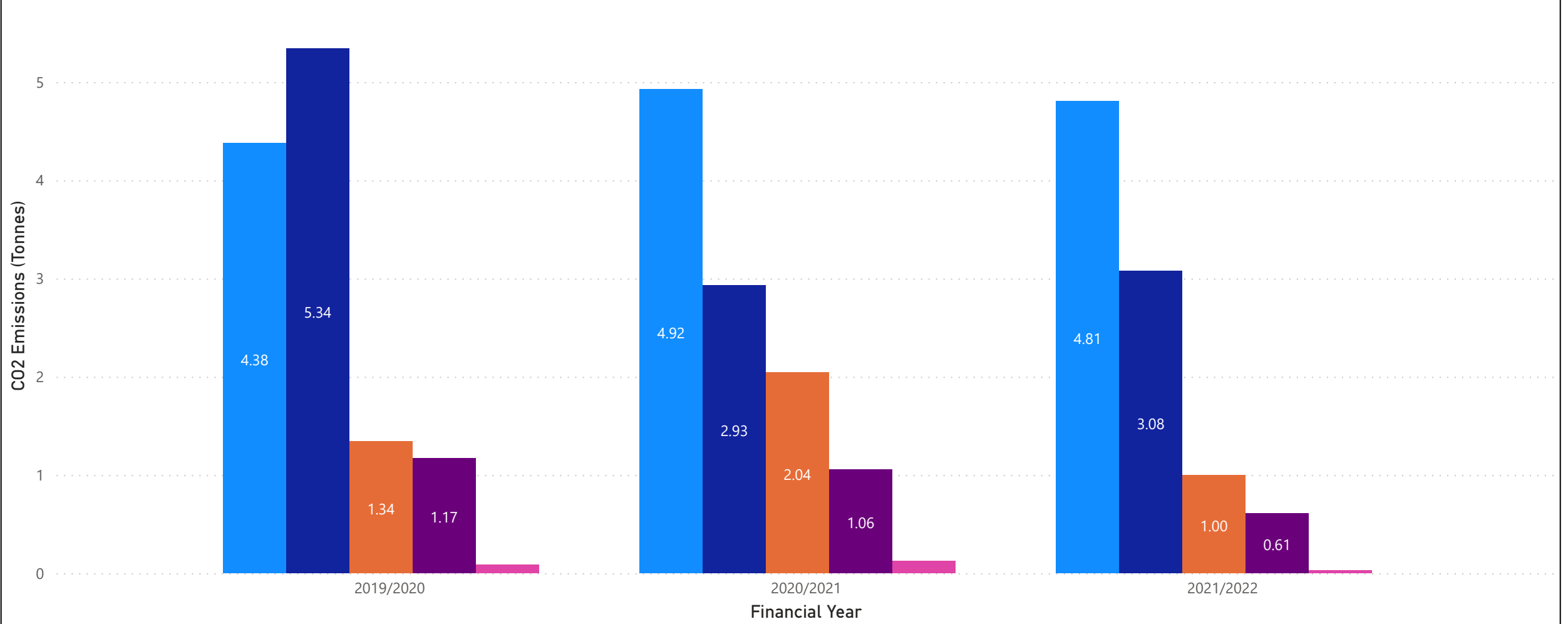
South Kesteven District Council Carbon Emissions Tracker - Staff & Councillor Travel





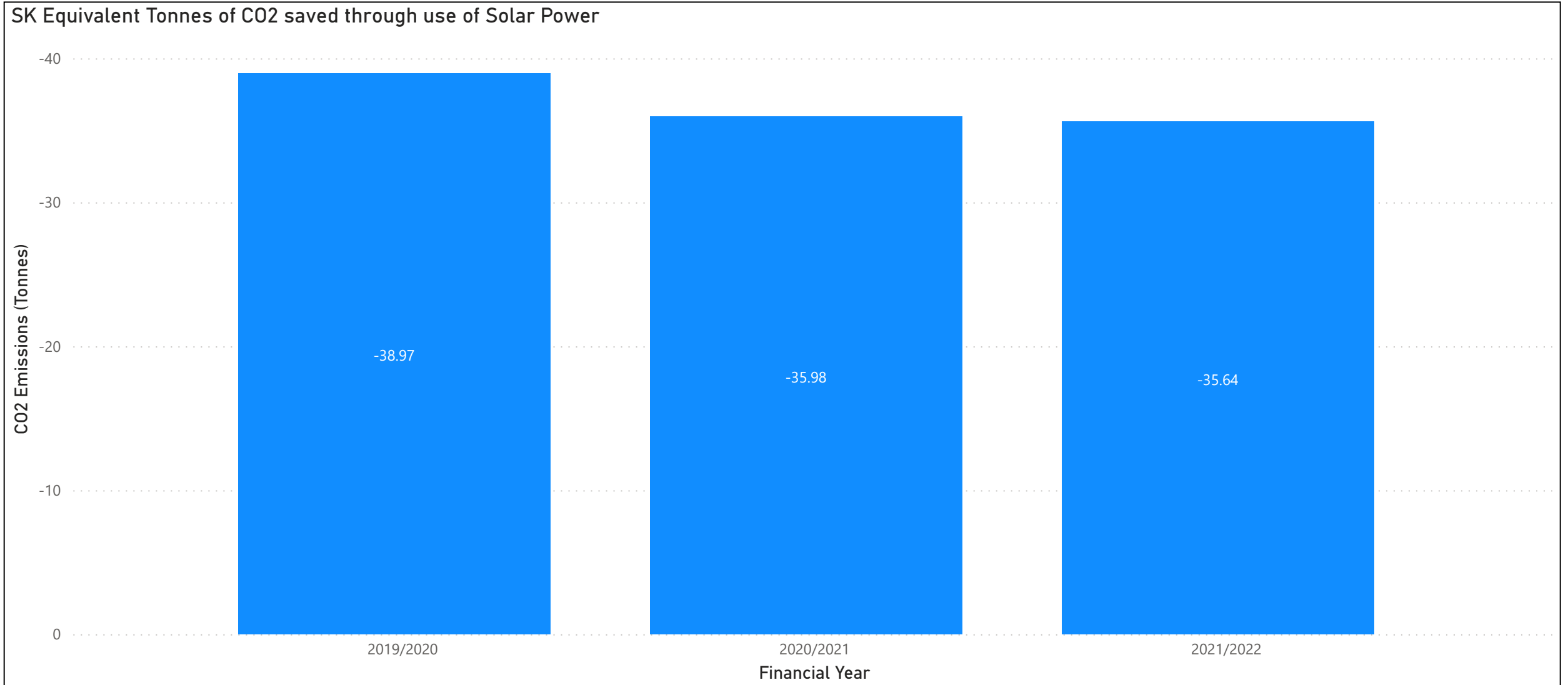
ESK CO2 Emissions By Financial Year

● ESK Gas ● ESK Electric ● ESK Waste ● ESK Green Waste ● ESK Water





South Kesteven District Council Carbon Emissions Tracker - Solar



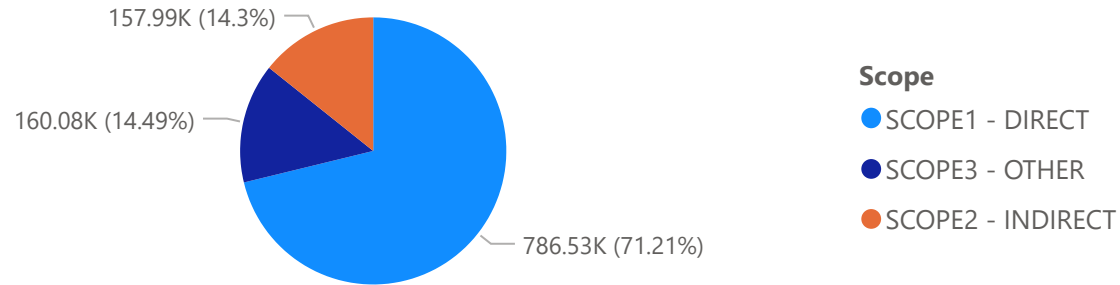


South Kesteven District-wide Emissions 2019 (Latest available data).

1.10M

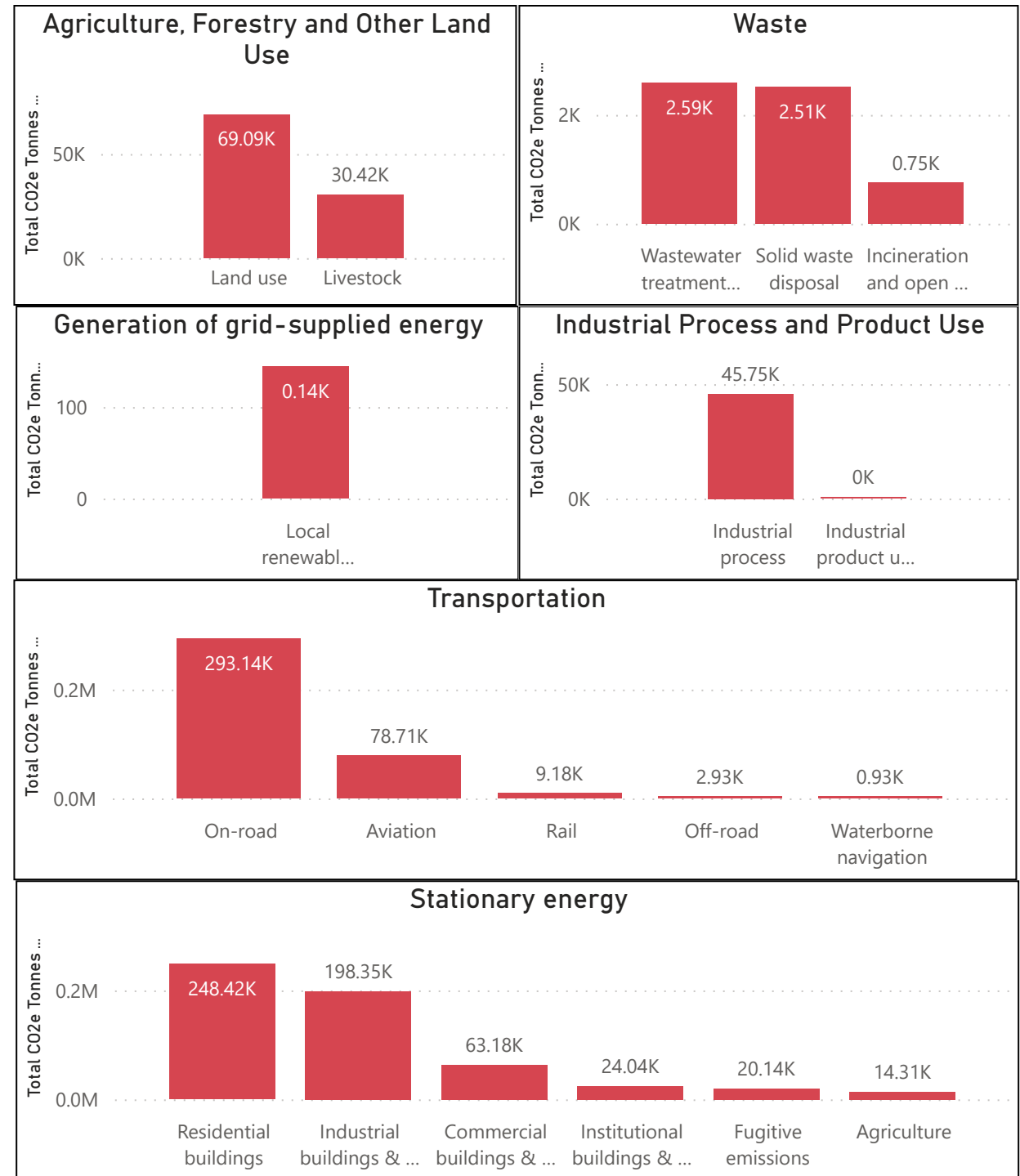
Total CO2e Tonnes For South Kesteven

Total CO2e Tonnes For South Kesteven by Scope

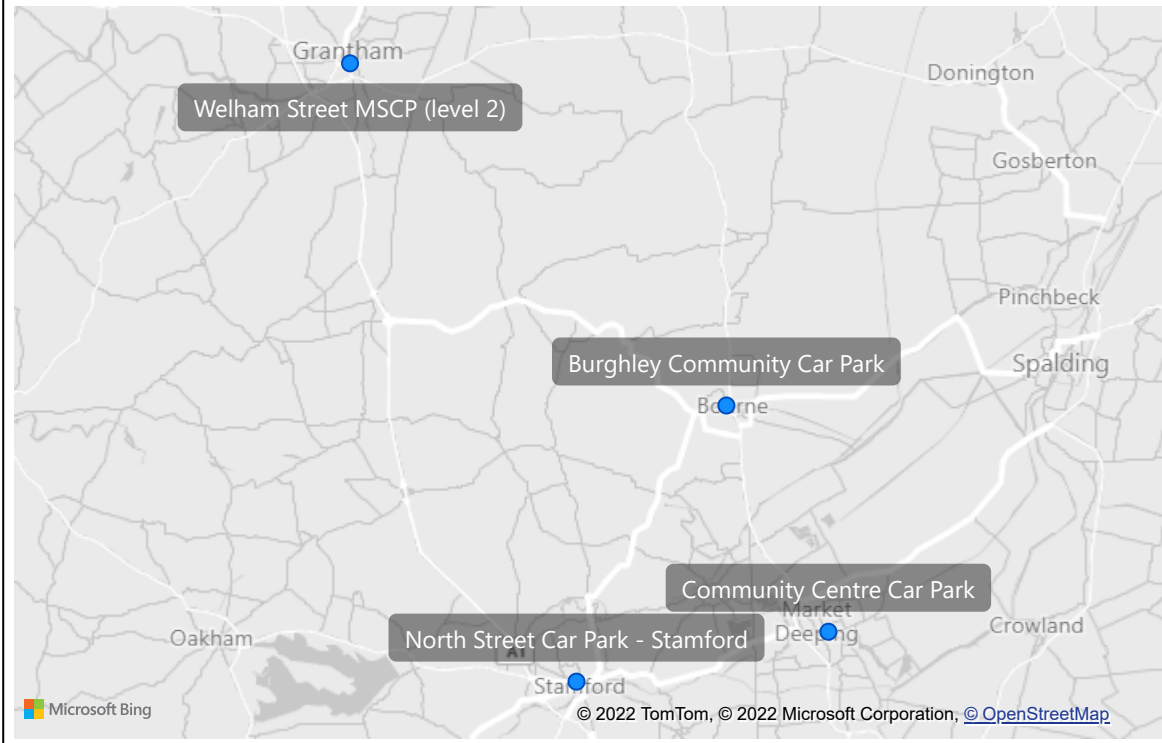


CO2e Emissions by Sector

Sector	Total CO2e Tonnes For South Kesteven	%GT Value
Agriculture, Forestry and Other Land Use	99,513.58	9.01%
Generation of grid-supplied energy	144.01	0.01%
Industrial Process and Product Use	45,751.13	4.14%
Stationary energy	568,434.63	51.46%
Transportation	384,891.01	34.84%
Waste	5,854.03	0.53%
Total	1,104,588.38	100.00%



SKDC Electric Vehicle Charging Point Locations



Electric Vehicle Charging Points Usage Dashboard

Report Period :
April 2021/2022 To
March 2021/2022

Date Range

01/04/2021

31/03/2022

01/04/2022

Last Available Dat...

6

Active Charging Points

166,104.84

EV Miles Generated*

3884

Charging Sessions

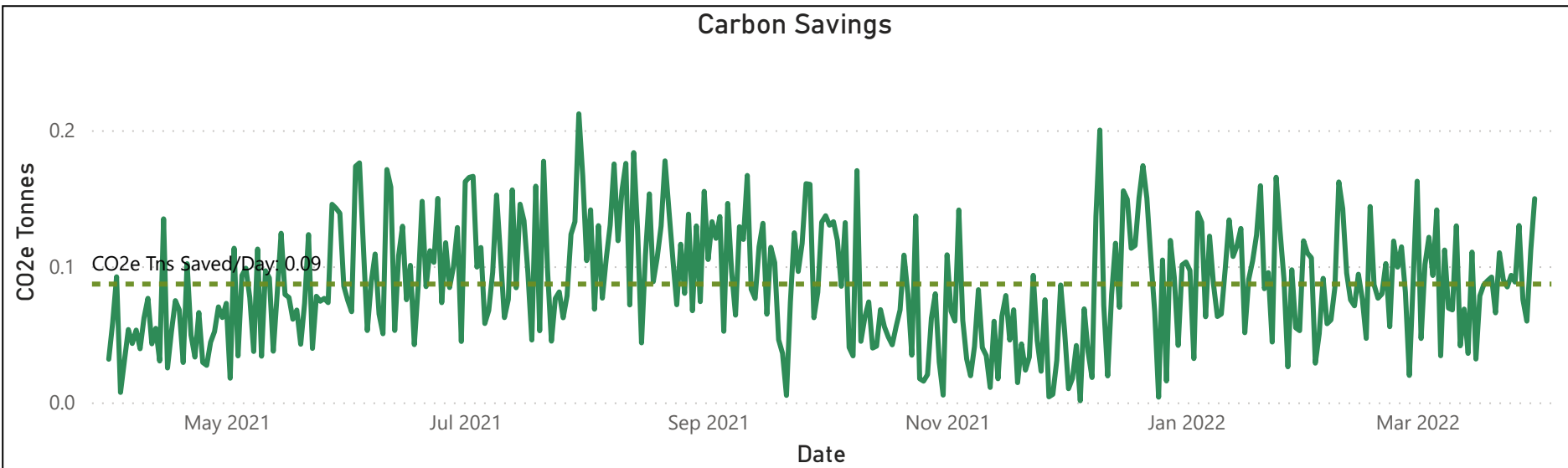
11.00%

Used Capacity

56,691.07

kWh Used

Carbon Savings



31.73

Expected CO2e saving generated by
EVCP use