



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 2023 - March 2024, including the use of gas and electricity in council owned buildings, emissions from the vehicle fleet and the operation of three 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 2023/24 financial year saw a decrease in carbon emissions of 25.27%, or an overall reduction of 1920 tonnes of carbon compared to the 2018/19 baseline.

A significant reduction of over 45% from the baseline has been seen in the carbon emissions associated with electricity use in the Council's buildings. This can be attributed to both a reduction in total kilowatt hours (kWh) of energy consumed, as well as the national supply of electricity continuing to decarbonise as more renewable sources of energy contribute. The Council has a current contract for green electricity. This means that the electricity the Council receives is generated by either wind, wave or solar generation sources.

A reduction is also reported for gas used in Council buildings. Over the past year alone, the amount of carbon associated with gas consumption decreased by 85 tonnes since 2022/23, factoring an 8.84% reduction from the 2018/19 baseline.

Whilst the collective gas and electric consumption of the leisure centres has risen slightly since the last reporting year, marginal fluctuations are to be expected due to the operational nature of the facilities.

The carbon emissions from the operation of the Council's vehicle fleet remains consistently high, showing little change from the 2018/19 baseline. The fleet is now the largest contributor to the Council's carbon emissions, responsible for 34% of emitted carbon during the 2023/24 financial year. Business travel associated with staff and councillor movement in own vehicles has seen a significant reduction on the previous reporting year as more meetings and conferences are now held online.

Whilst some important reductions in carbon emissions have been seen in select categories, the Council should continue to look for further decarbonisation opportunities to ensure a downward trajectory towards the declared carbon reduction target of at least 30% by 2030. With a further 4.73% reduction required to reach the Council's 2030 emissions target, upcoming decarbonisation and energy efficiency projects will contribute to significant carbon savings for the Council.

Data Quality Index :

Source	Frequency	Confidence
Electric	Quarterly	
Fleet	Quarterly	
Gas	Quarterly	
Green Waste	Annual	
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
	Low level of confidence in the data supplied incomplete or has not been effectively validated
	Moderate Level of confidence in the data include estimated or proxy data.

South Kesteven District Council Emissions 2023/2024



1879

Leased Asset CO₂e

-40.47%

Leased Asset change from 2018/19 Baseline



1938

Fleet CO₂e

1.07%

Fleet change from 2018/19 Baseline



1225

Gas CO₂e

-8.84%

Gas change from 2018/19 Baseline



583

Electric CO₂e

-45.61%

Electric change from 2018/19 Baseline

-25.27%

Difference From Baseline (%)

-1920

Difference From Baseline (Tonnes)

5,680

Total CO₂e Tonnes

6648

Target Emissions

42.01

Business Travel CO₂e

-57.57%

Business Travel change from 2018/19 Baseline



9.80

Water CO₂e

-69.89%

Water change from 2018/19 Baseline



2.13

Waste CO₂e

-28.86%

Waste change from 2018/19 Baseline

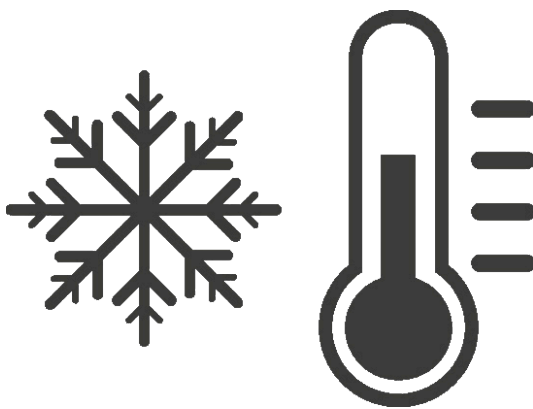


0

Refrigerants CO₂e

-100.00%

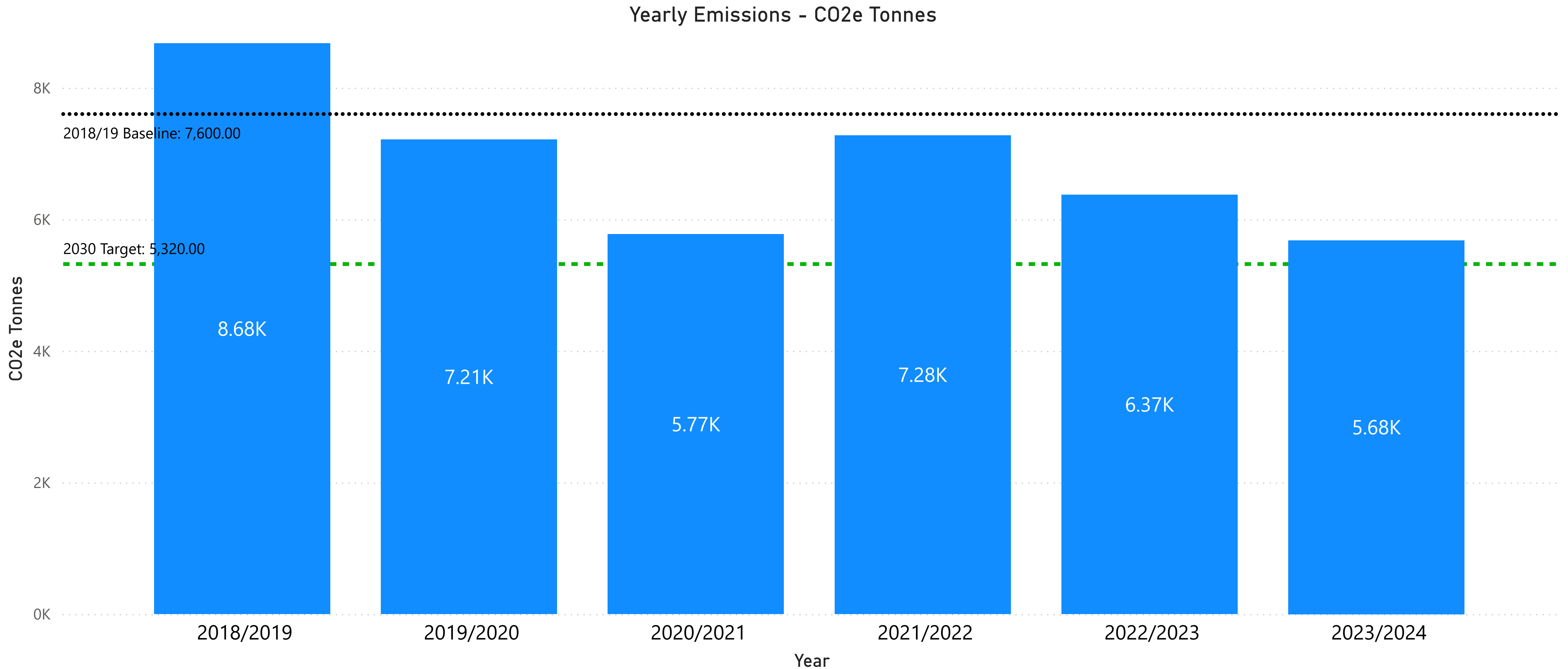
Refrigerants change from 2018/19 Baseline





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South Kesteven District Council Carbon Emissions Tracker - Annual Comparison

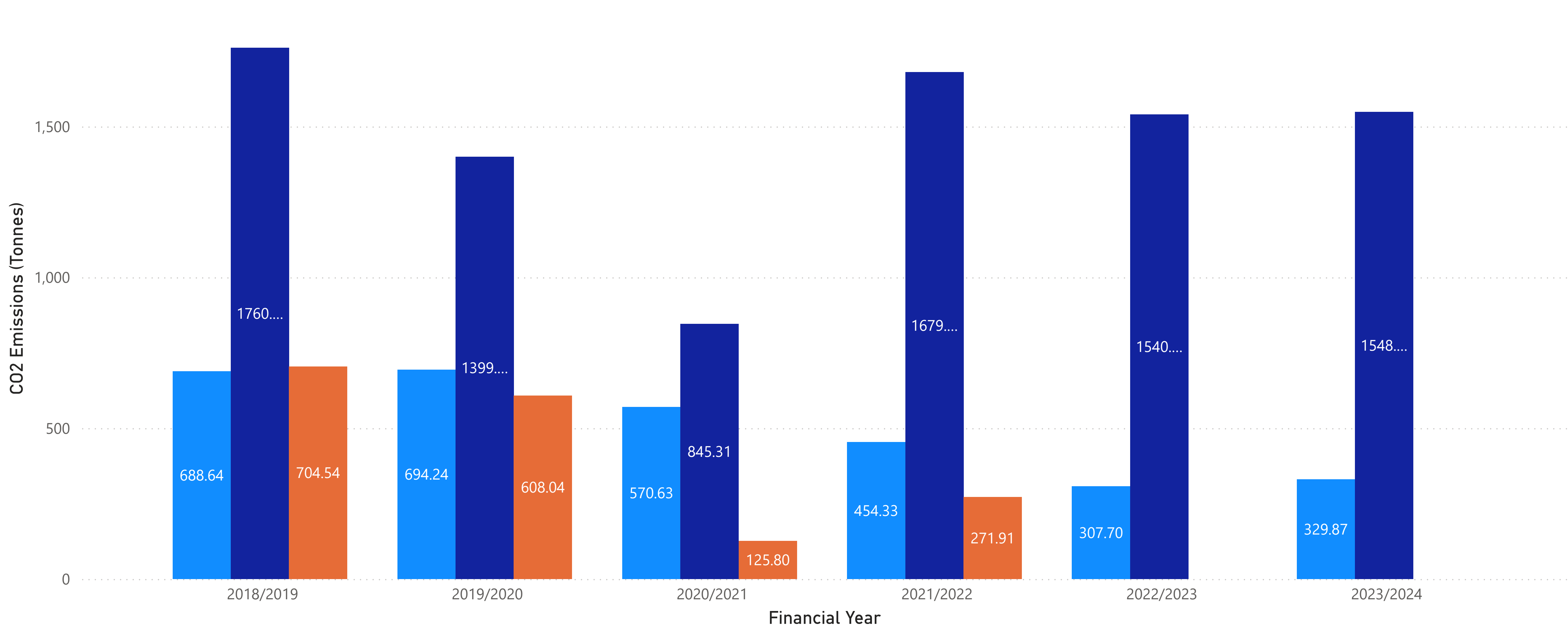




South Kesteven District Council Carbon Emissions Tracker - Leisure Centres

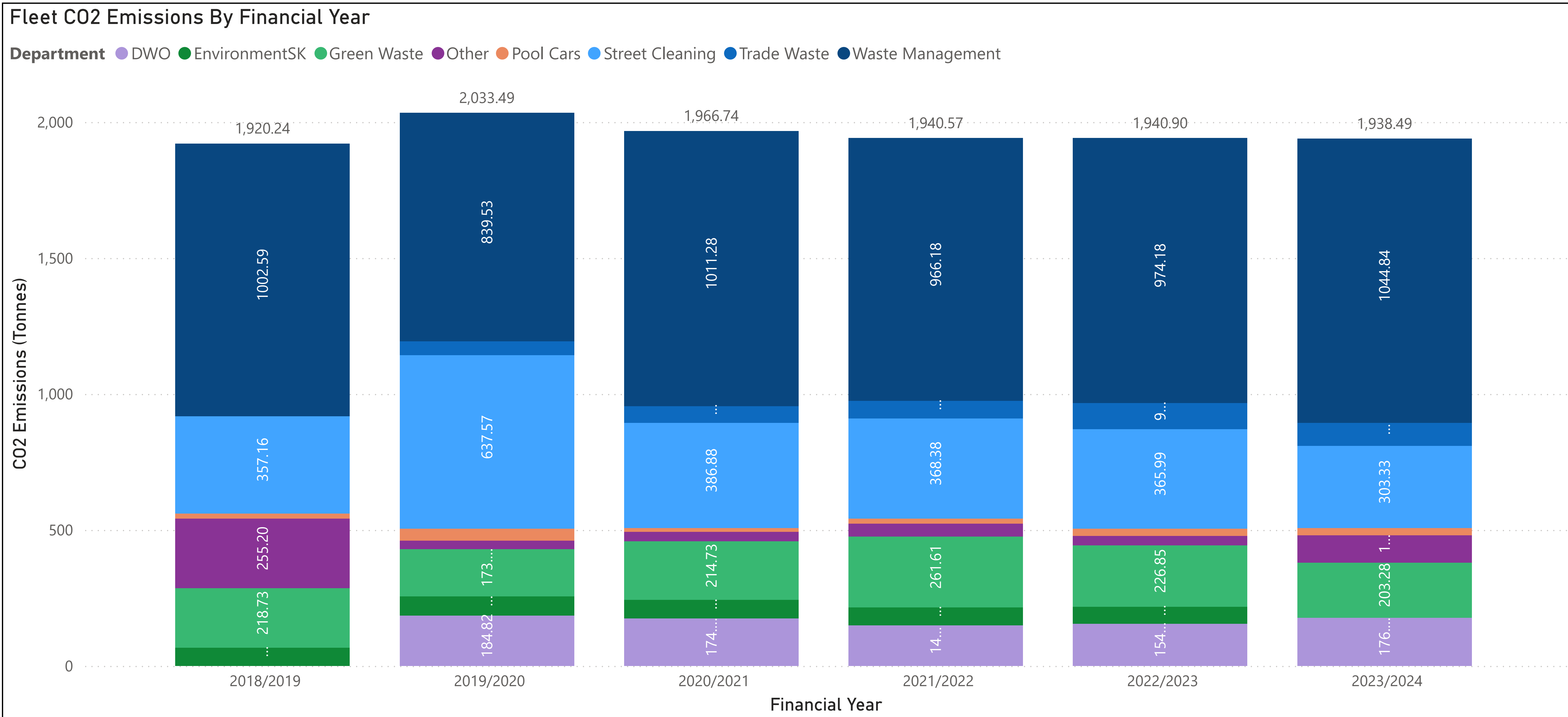
Leisure Centre CO2 Emissions By Financial Year

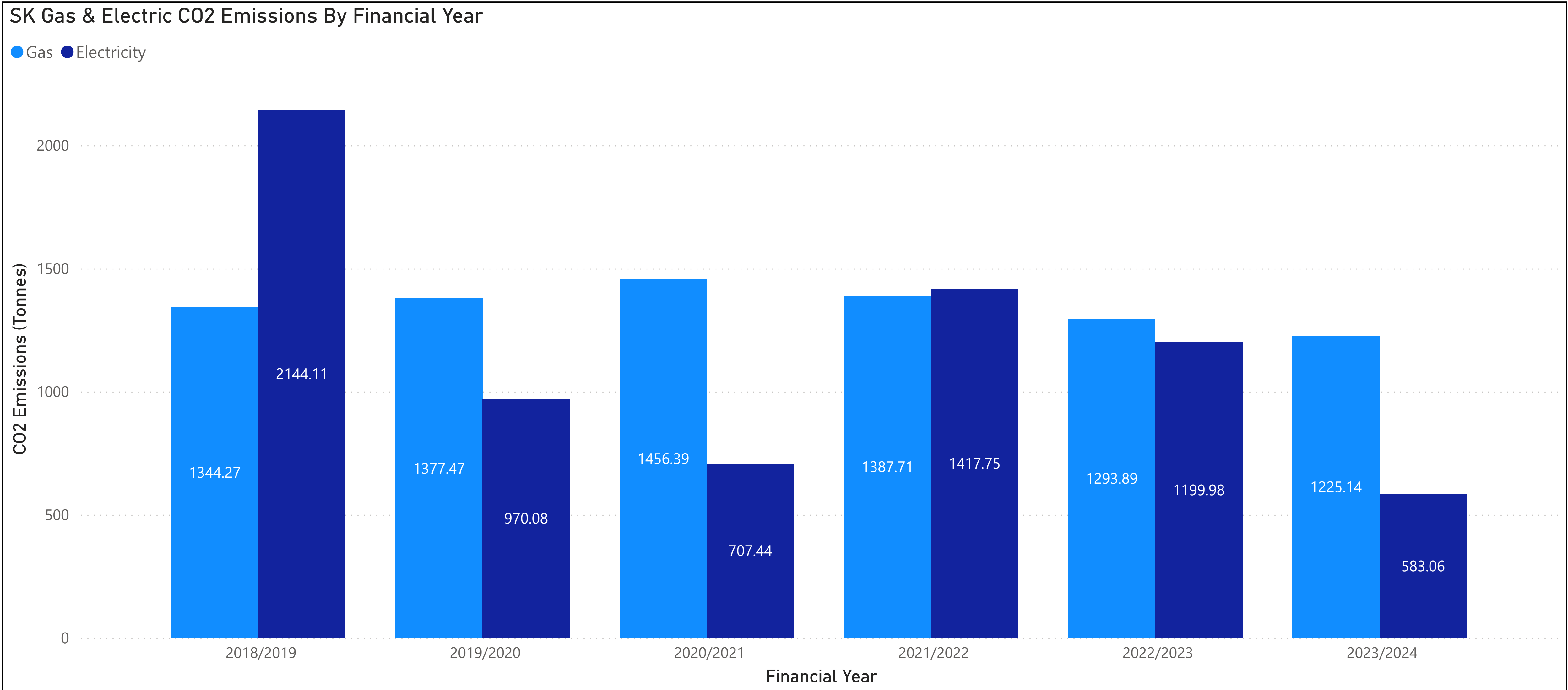
● LC Electricity ● LC Gas ● LC Fuel Oil





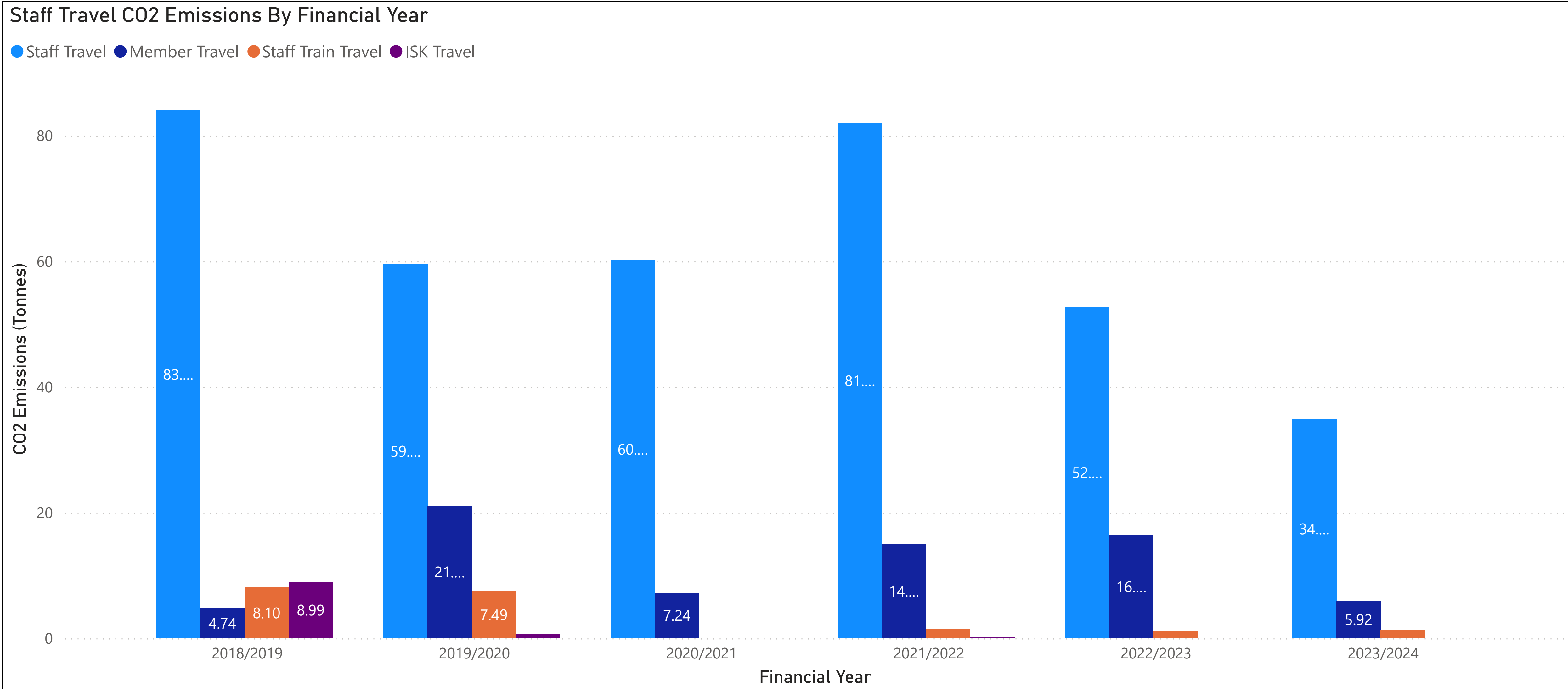
South Kesteven District Council Carbon Emissions Tracker - Fleet







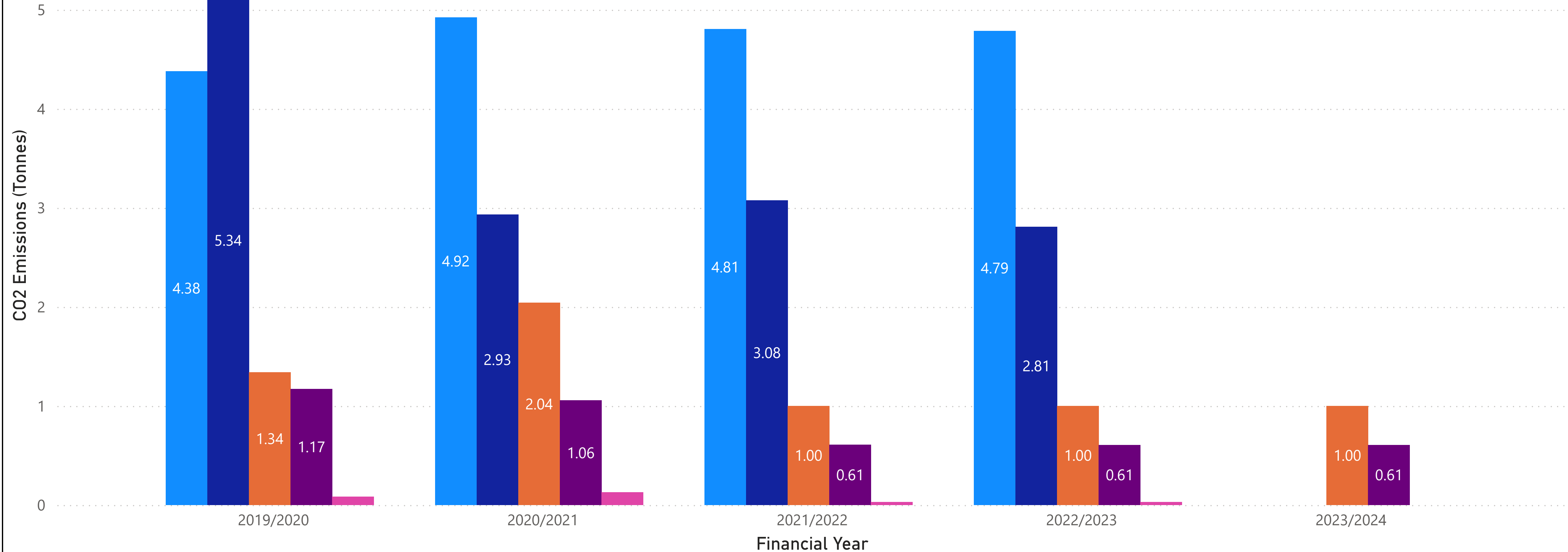
South Kesteven District Council Carbon Emissions Tracker - Staff & Councillor Travel





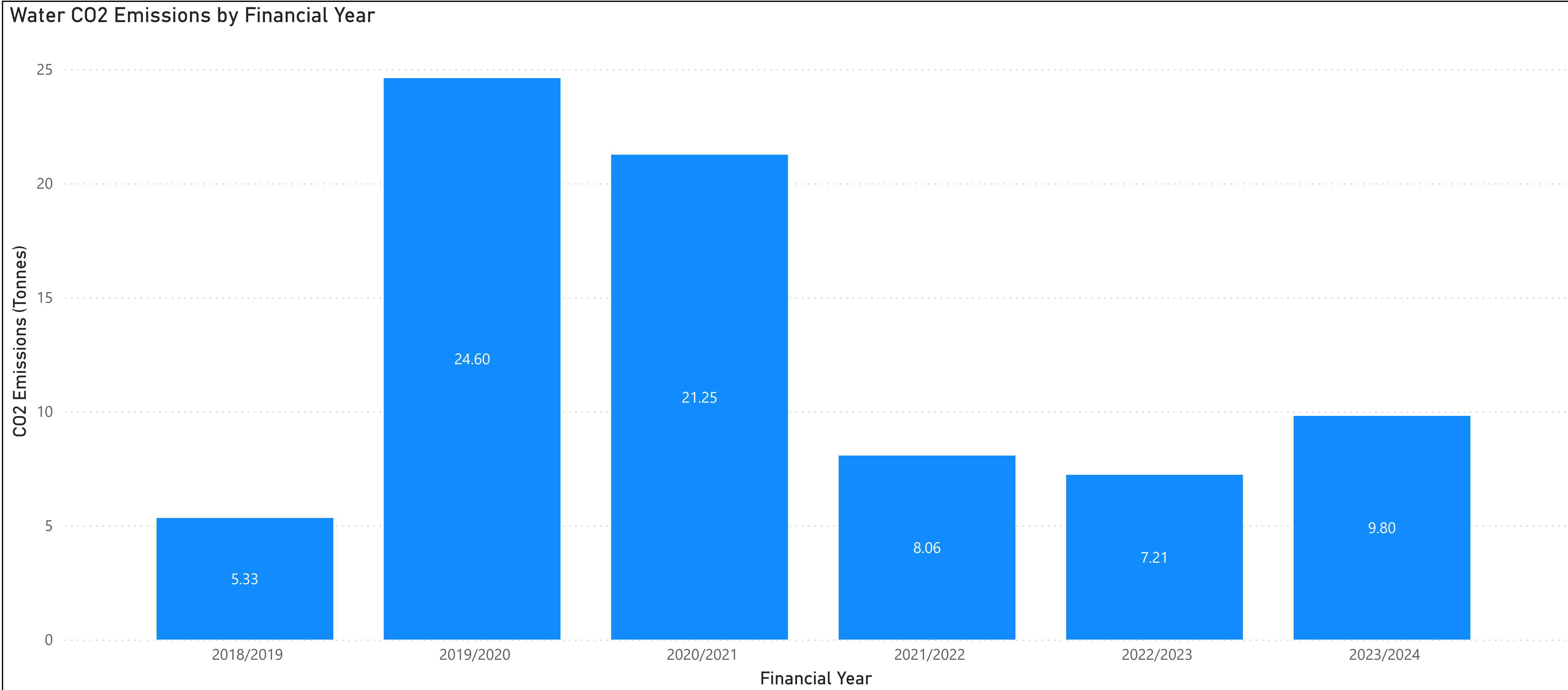
ESK C02 Emissions By Financial Year

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





South Kesteven District Council Carbon Emissions Tracker - Water





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South Kesteven District Council Carbon Emissions Tracker - Solar

