



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	Green
Fleet	Quarterly	Green
Gas	Quarterly	Green
Green Waste	Annual	Orange
Leisure Centres	Variable	Green
Member Travel	Monthly	Green
Refrigerants	Annual	Green
Solar	Annual	Green
Staff Travel	Quarterly	Green
Waste	Quarterly	Orange
Water	Annual	Orange

Confidence Description

Green	High level of confidence in the data supplied.
Red	Low level of confidence in the data supplied. This may be incomplete or has not been effectively validated.
Orange	Moderate Level of confidence in the data. This may 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)

42.01
Business Travel CO2e
-57.57%
Business Travel change from 2018/19 Baseline



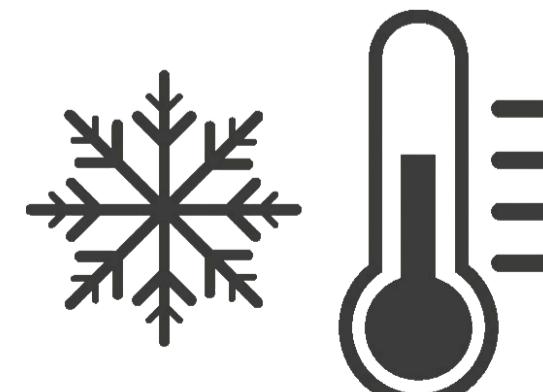
9.80
Water CO2e
-69.89%
Water change from 2018/19 Baseline



2.13
Waste CO2e
-28.86%
Waste change from 2018/19 Baseline

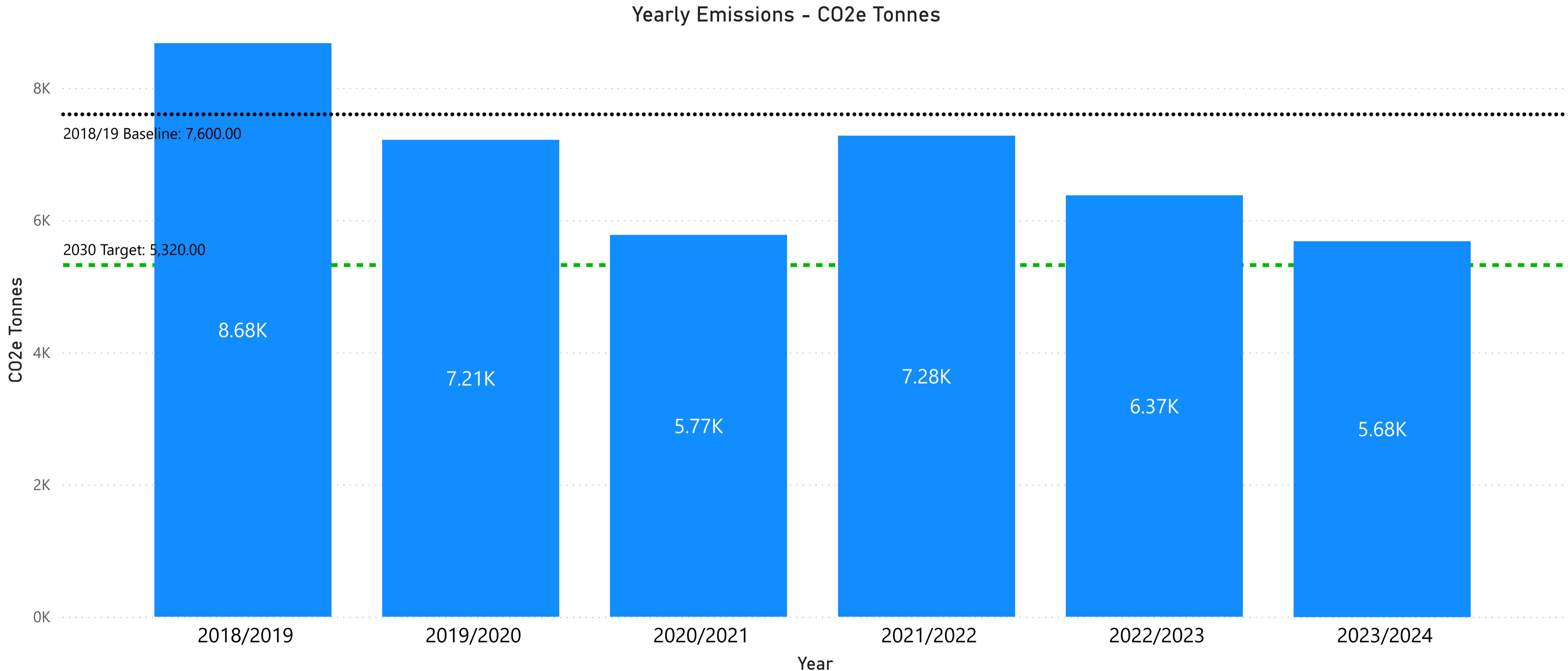


0
Refrigerants CO2e
-100.00%
Refrigerants change from 2018/19 Baseline



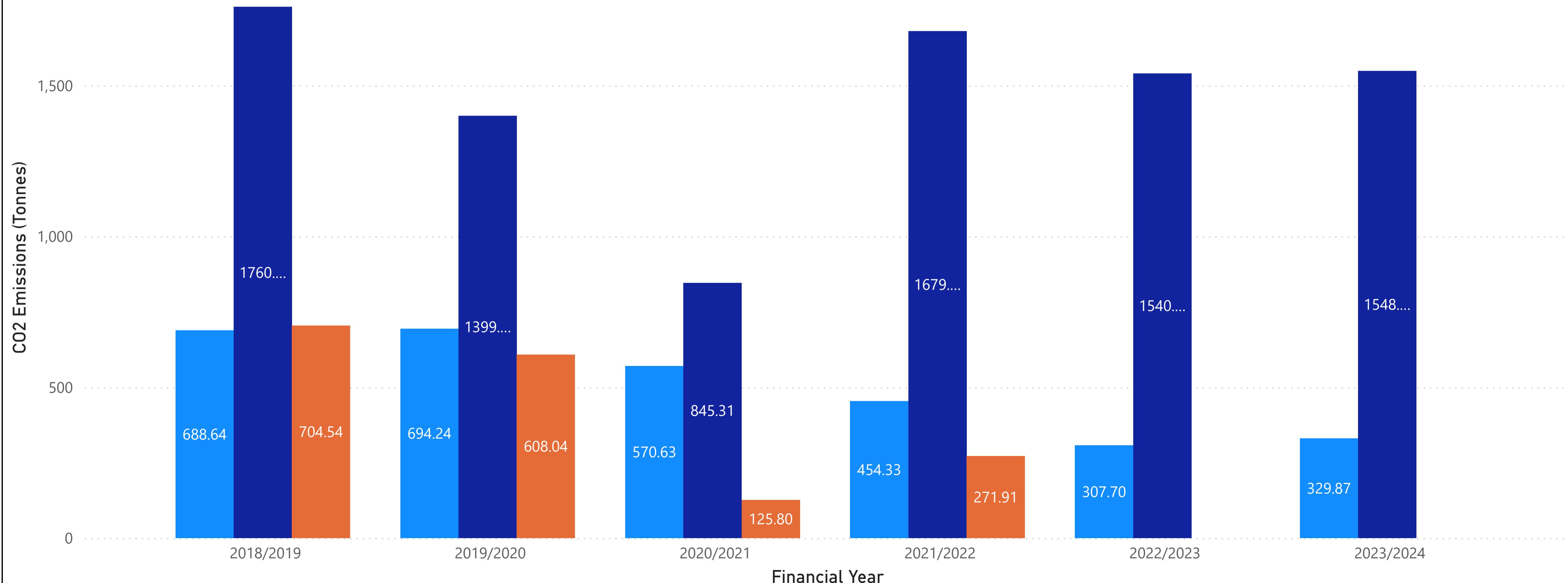


South Kesteven District Council Carbon Emissions Tracker - Annual Comparison



Leisure Centre CO2 Emissions By Financial Year

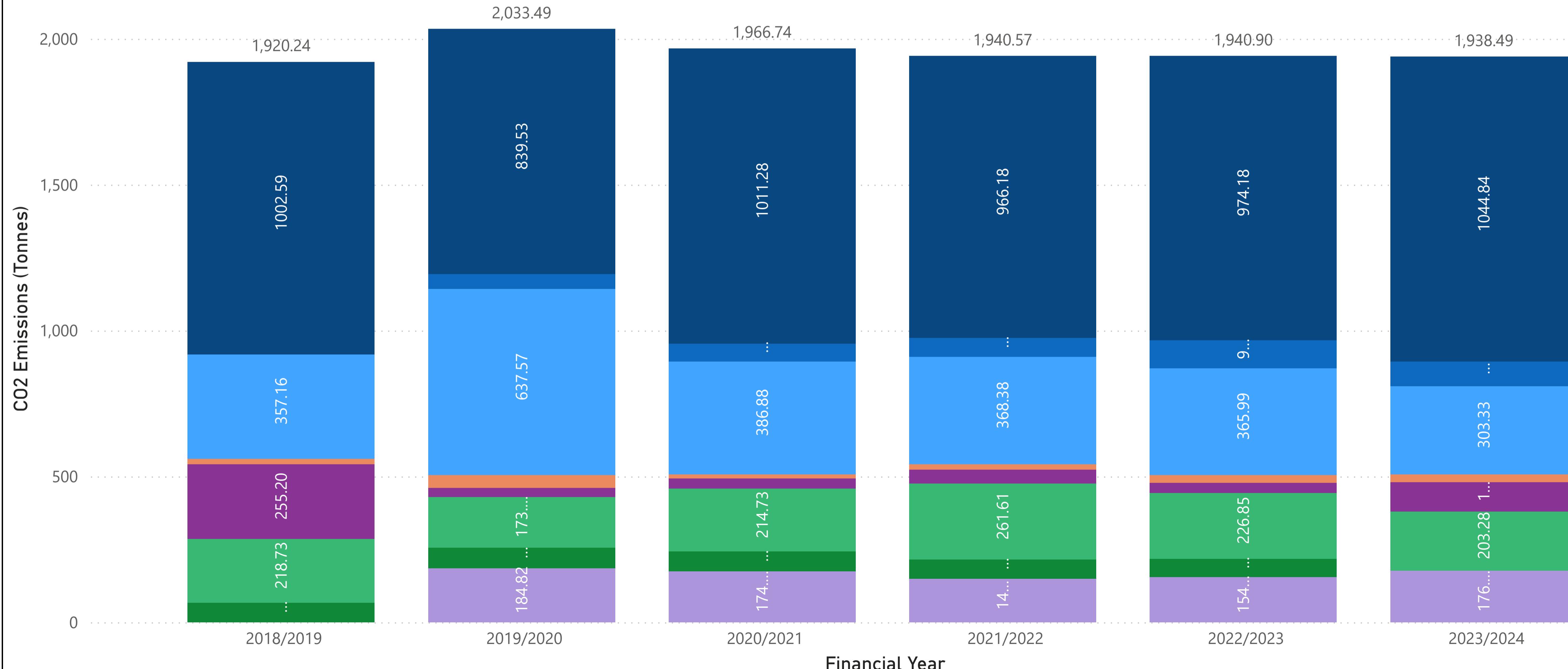
● LC Electricity ● LC Gas ● LC Fuel Oil





Fleet CO2 Emissions By Financial Year

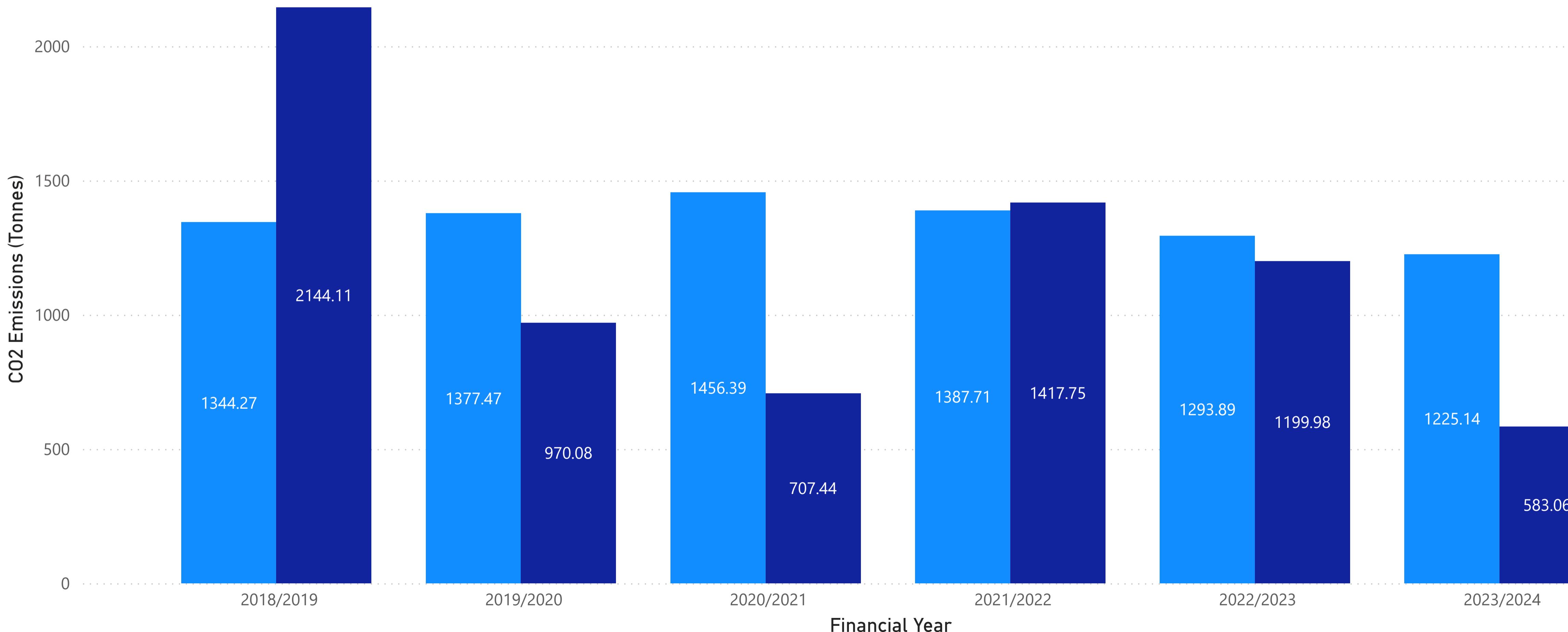
Department ● DWO ● EnvironmentSK ● Green Waste ● Other ● Pool Cars ● Street Cleaning ● Trade Waste ● Waste Management





SK Gas & Electric CO2 Emissions By Financial Year

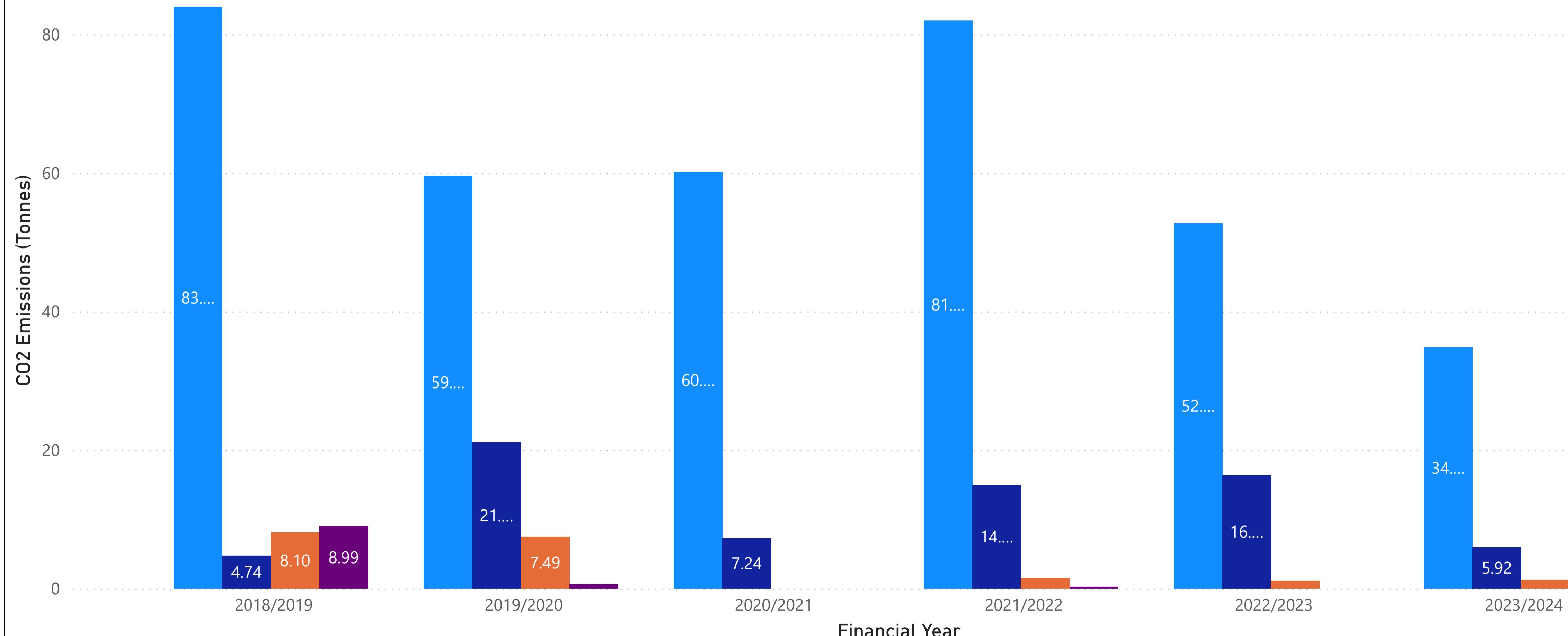
● Gas ● Electricity





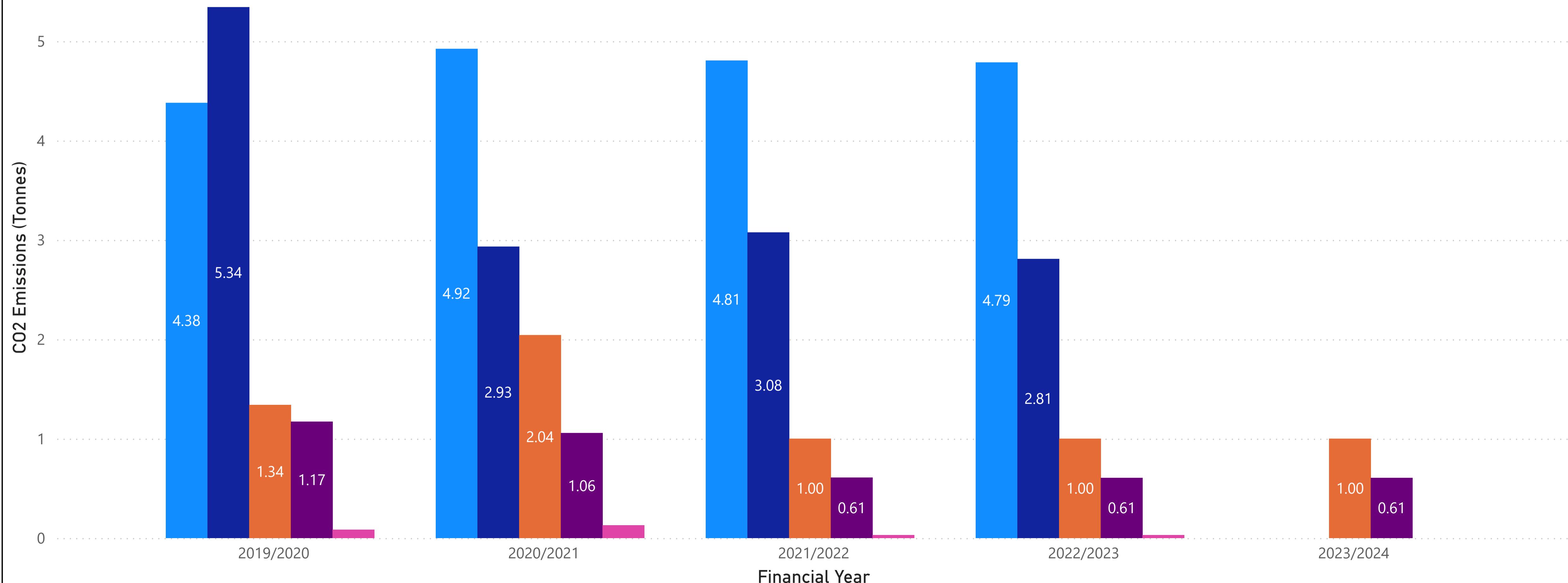
Staff Travel CO2 Emissions By Financial Year

● Staff Travel ● Member Travel ● Staff Train Travel ● ISK Travel



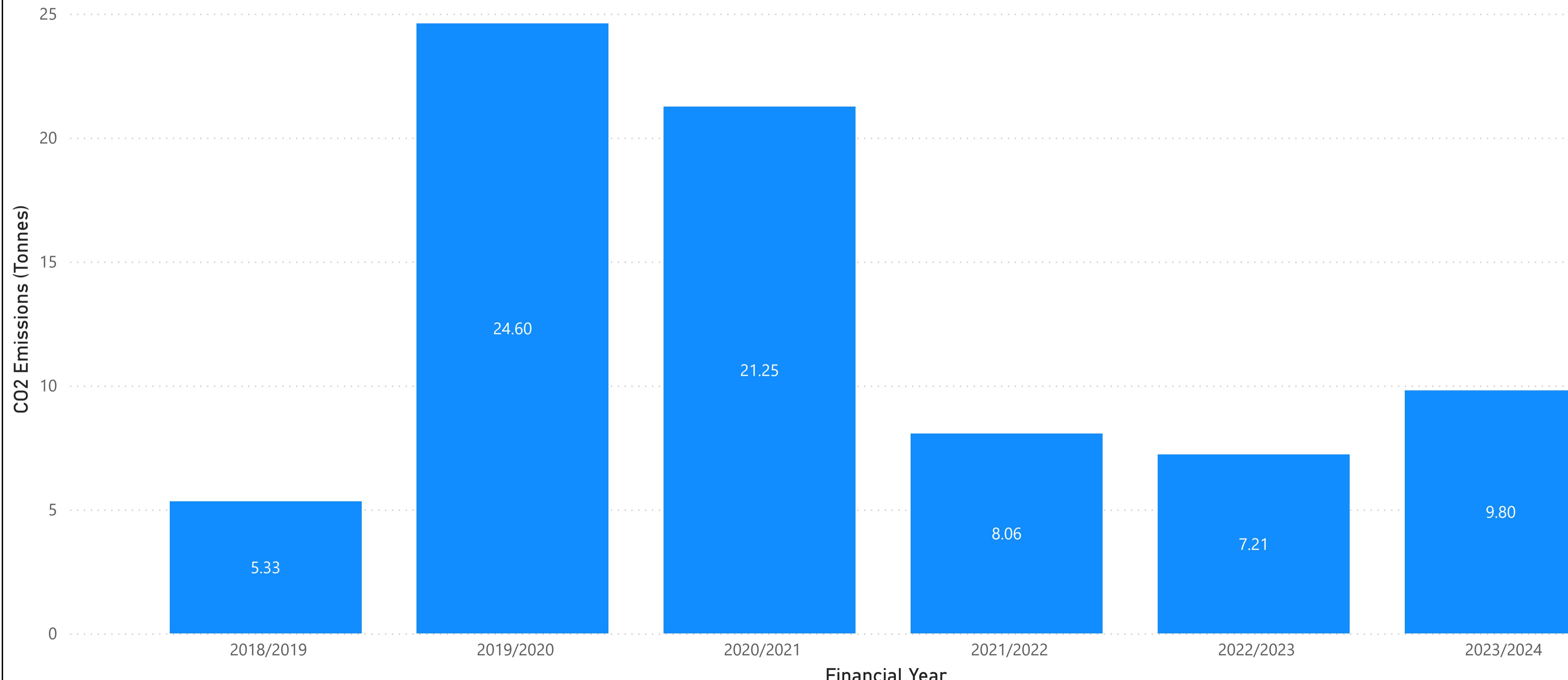
ESK CO2 Emissions By Financial Year

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





Water CO2 Emissions by Financial Year





SK Equivalent Tonnes of CO2 saved through use of Solar Power

