



**South Kesteven District
Council Carbon Emissions
Tracker**

Commentary :

This tool analyses sources of carbon emissions across the operations of South Kesteven District Council, 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 2020/21 financial year saw a significant decrease in carbon emissions of 24.85%. This period was exceptional in the enforced lockdowns which were imposed to prevent the spread of covid-19, which, by necessity, had an impact on the activities and carbon emissions of SKDC. As a result of this departure from business as usual, carbon emissions are significantly reduced in comparison to the baseline.

The largest reductions were seen from the scope 3 leased assets, with a 50% reduction in carbon emissions from energy use and waste produced, due to the impact of closing facilities. The Council's electricity use reduced significantly which, alongside continued decarbonisation of the electricity grid, led to a 33% reduction in carbon emissions. However, gas consumed in buildings increased by just over 8% compared to the baseline, principally from properties in the housing portfolio included in the baseline. There was also a modest increase of 3% from the operation of the Council's vehicle fleet, in large part due to additional pressures on the waste collection fleet.

While it is worth noting that SKDC achieved very significant carbon reductions in the period, it is worth bearing in mind these were not achieved by direct operational changes aiming to reduce carbon emissions, or by upgrade of existing facilities to improve energy efficiency. SKDC should look to understand where some of these reductions in energy used can be sustained as it returns to full operations, and continue to develop projects which tackle the hotspots of carbon emissions.

Regarding integrity of data, the hotspot carbon emission sources of gas, electric and fleet are considered green as a reflection of high reliability of data. The information provided for the Leisure Centres is considered amber due to the data being out of the direct control of the Council, as well as the final quarter being estimate data due to a change in management arrangements. The leisure centres form part of the Council's carbon footprint following the decision to include scope 3 leased assets at Environment Committee in February 2020.

Data Quality Index :

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

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

South Kesteven District Council Emissions 2020/2021



1495

Leased Asset Co2e

-52.63%

Leased Asset change from 2018/19 Baseline



1967

Fleet CO2e

2.54%

Fleet change from 2018/19 Baseline



1461

Gas CO2e

8.73%

Gas change from 2018/19 Baseline



710.37

Electric CO2e

-33.73%

Electric change from 2018/19 Baseline

-24.85%

Difference From Baseline (%)

-1889

Difference From Baseline (Tonnes)

5,711

Total CO2e Tonnes

7220

Target Emissions

69.53

Business Travel CO2e

-29.76%

Business Travel change from 2018/19 Baseline



3.70

Water CO2e

-25.90%

Water change from 2018/19 Baseline



4.12

Waste CO2e

37.36%

Waste change from 2018/19 Baseline

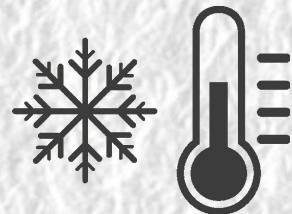


0.00

Refrigerants CO2e

-100.00%

Refrigerants change from 2018/19 Baseline

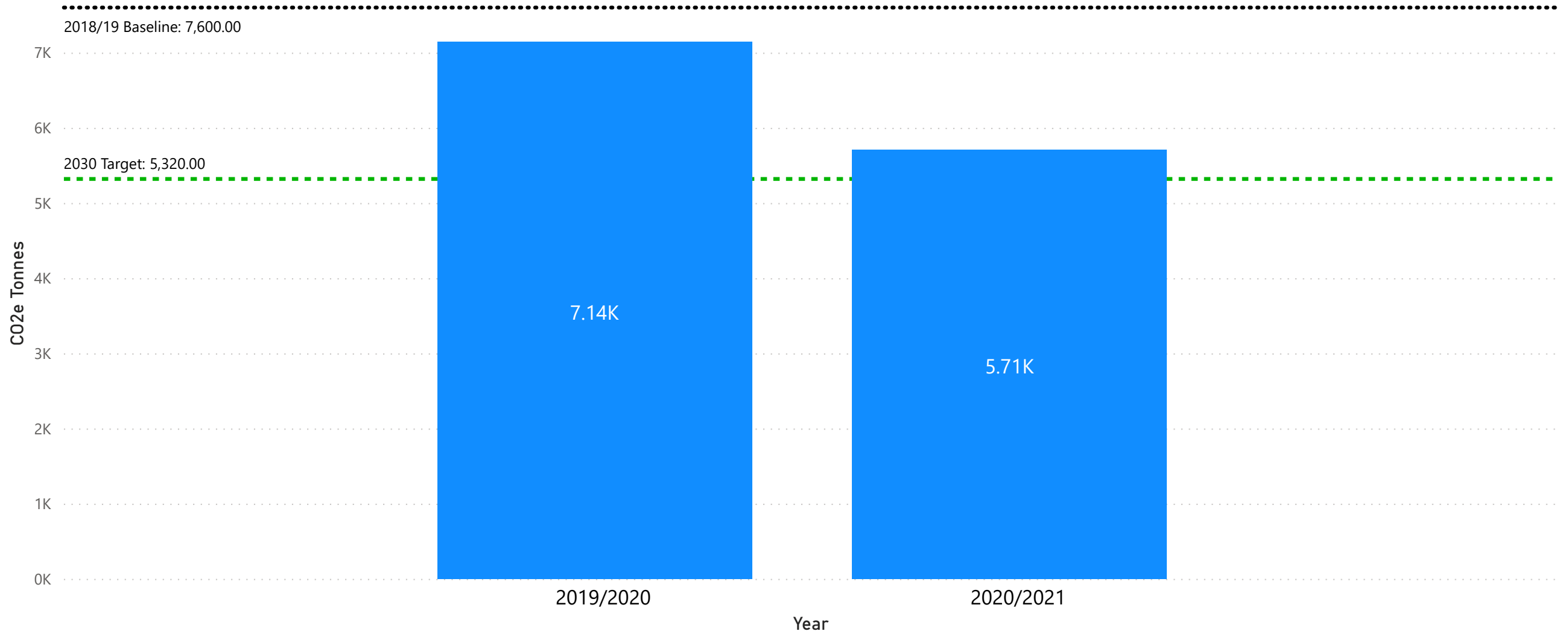




SOUTH
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South Kesteven District Council Carbon Emissions Tracker - Annual Comparison

Yearly Emissions - CO2e Tonnes

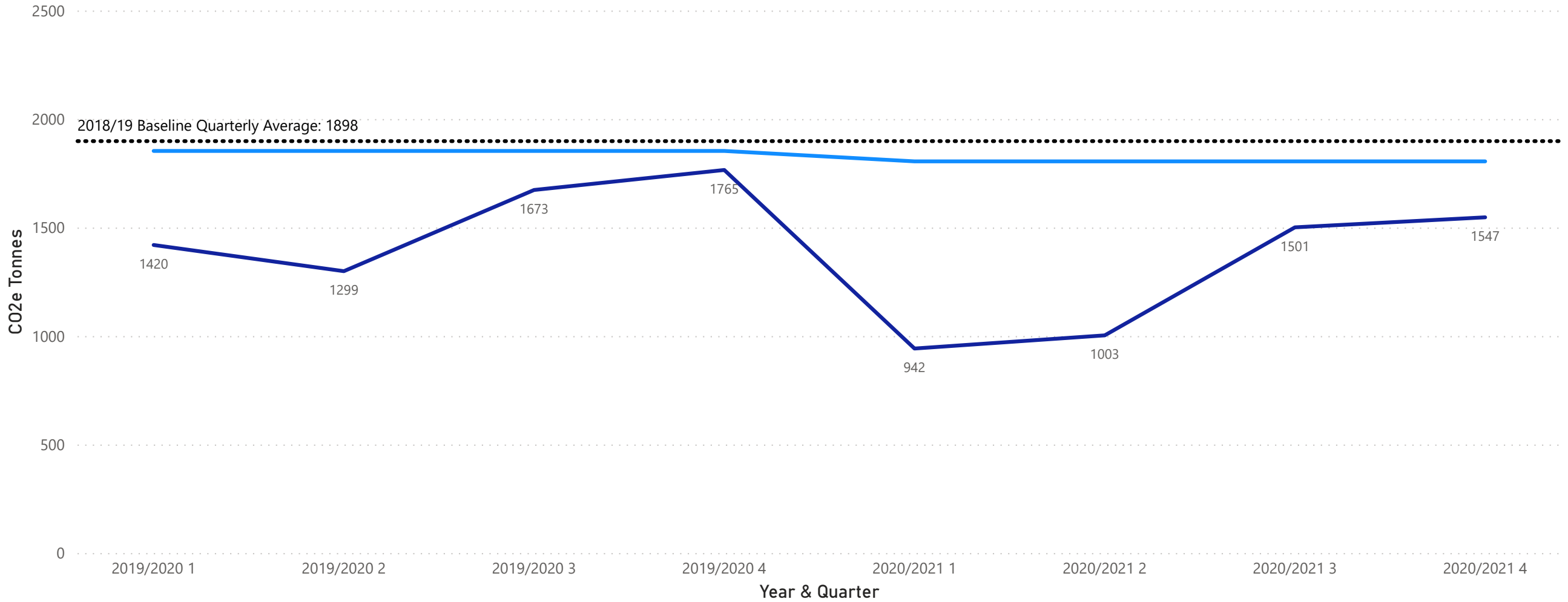




South Kesteven District Council Carbon Emissions Tracker - Quarterly Update

Quarterly Emissions - CO2e Tonnes

● Target Emissions ● Quarterly Co2e (Inc. Approximations for Annually reported emmisions)



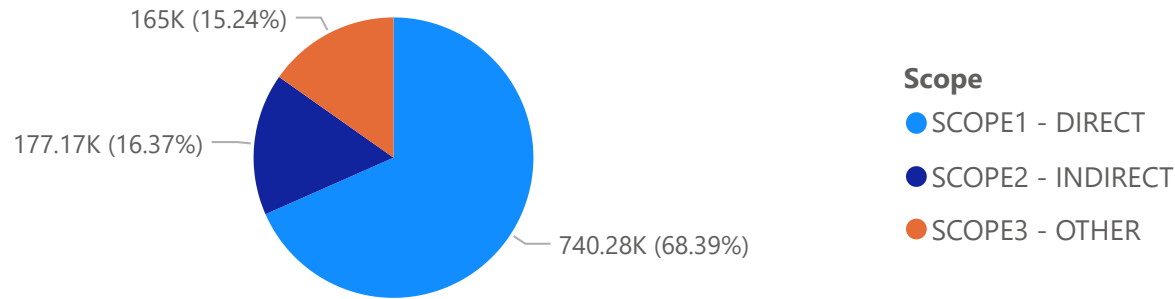


South Kesteven District-wide Emissions 2018 (Latest available data).

1.08M

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	22,304.51	2.06%
Generation of grid-supplied energy	174.49	0.02%
Industrial Process and Product Use	45,705.88	4.22%
Stationary energy	621,386.48	57.41%
Transportation	378,889.41	35.00%
Waste	13,986.13	1.29%
Total	1,082,446.90	100.00%

