

Appendix 1 - Derbyshire Dales – GHG emissions reporting 2020-21

Reporting period

1st April 2020 – 31st March 2021

Total reported emissions

	2019-20	2020-21
Total CO2e emissions (t) Scope 1, 2 and some scope 3 (see below for detail)	806.6	585.5

Reasons for Change in Emissions

The Council's reported emissions have fallen this year because:

Gas – overall usage in buildings decreased by 22%. Bakewell Pavilion was not used in 2020/21

Electricity – overall usage in buildings decreased by 16.5%. Bakewell Pavilion was not used in 2020/21. Several public toilets now transferred out of Council ownership.

There has been further decarbonisation of the national grid - the CO2e factor decreased by 9% (in comparison to 2020) due to a decrease in coal use in electricity generation and an increase in renewable generation

Fleet vehicles – fuel usage fell by 37% due to reduced operational requirements during the pandemic

Staff business travel (grey fleet) – fuel use decreased by 58% due to the pandemic

More accurate data has been collected with fewer assumptions made

Quantification and reporting methodology

The Council has followed the HM Government Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance March 2019 and the GHG Protocol Value Chain (Scope 3) Standard, but is not as yet able to report on all categories of scope 3 emissions that may be relevant.

The Council has used the Local Government Association GHG accounting tool to generate emissions data. This tool uses the 2021 GHG conversion factors.

Organisational boundary

The Council has used the organisational control approach

Appendix 1 - Derbyshire Dales – GHG emissions reporting 2020-21

Operational scopes

Scope 1 (direct emissions from fuel combustion)

	2019-20	2019-20	2020-21	2020-21
	Actual or estimated consumption	CO2e emissions (t)	Actual or estimated consumption	CO2e emissions (t)
Gas	820613 kWh	150.9	640812 kWh	117.3
Fleet vehicle diesel	91670 l	243.6	57556 l	146.5
Petrol (mowers, hand held machinery)	3000 l (e)	6.7	206 l	0.45
Gas oil (tractors)	15000 l (e)	41.4	15000 l (e)	41.7
Fugitive emissions		Cannot be accurately measured		Cannot be accurately measured

Scope 2 (purchased emissions – electricity generation)

	2019-20	2019-20	2020-21	2020-21
	Actual or estimated consumption	CO2e emissions (t)	Actual or estimated consumption	CO2e emissions (t)
Electricity	851729 kWh	198.6	710591 kWh	165.7

Scope 3 (indirect emissions)

	2019-20	2019-20	2020-21	2020-21
	Actual or estimated consumption	CO2e emissions (t)	Actual or estimated consumption	CO2e emissions (t)
Staff travel (grey fleet)		31.9		13.2
T&D losses (electricity)	See above	17.1	See above	14.3
WTT upstream emissions (all fuels)	See above	103.4	See above	86.8

Appendix 1 - Derbyshire Dales – GHG emissions reporting 2020-21

	2019-20	2019-20	2020-21	2020-21
Water		Cannot be accurately measured		Cannot be accurately measured

Outsourced scope 3 emissions

No reliable data yet available

Baseline measurement

The baseline reporting year is 2019-20 as this was the first year that the Council had reliable data typical in respect of its operations.

Targets

The Council target is to become Carbon Neutral in respect of its own operations by 2030. There are no annual targets set for emissions reduction.

Offsetting

The Council does not currently offset any emissions.

Electricity

The Council purchased 710,591kWh of electricity in 2020-21. This was from mixed sources purchased under an existing framework agreement.

The Council generated 22,906kWh of electricity from the solar array on the Town Hall in 2020-21, saving estimated 10.87t of CO₂e.