

Cuckfield Parish Council

Carbon Footprint

Scopes 1, 2 & 3

April 2022 - March 2023





About this report

Cuckfield Parish Council's carbon footprint has been calculated by 5D Net Zero in accordance with the UK Government's Environmental reporting guidelines and The Greenhouse Gas Protocol Corporate Accounting and Reporting Standard.

Cuckfield Parish Council's carbon footprint calculation has been independently verified by 5D Net Zero and is the first step towards reaching Net Zero.



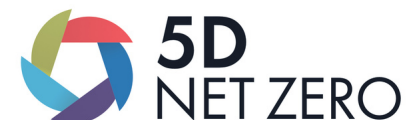


Introduction

A carbon management strategy involves calculating the Greenhouse Gas emissions (GHGs) over a given reporting period. Once this has been completed, the next step is to produce a reduction and offset strategy.

This is Cuckfield Parish Council's first year of reporting emissions for Scopes 1 and 2, and their baseline for elements of Scope 3, covering the reporting period from 1st April 2022 to 31st March 2023.

This report establishes Cuckfield Parish Council's carbon footprint and relates to the carbon emissions across operations of Cuckfield Parish Council's sites, including Cuckfield cemetery, Horsefield Green, two allotments sites, the Nature Garden at the Queen's Hall, the Queen's Hall and Cuckfield Village Hall.





Methodology

The emissions data has been provided by Cuckfield Parish Council and has been calculated using UK Government conversion factors for company reporting of GHG emissions, and independently verified by 5D Net Zero.

Emissions are reported in tonnes of carbon dioxide equivalent (Tonnes CO₂e) which encompasses all GHG emissions and is the universal measurement.

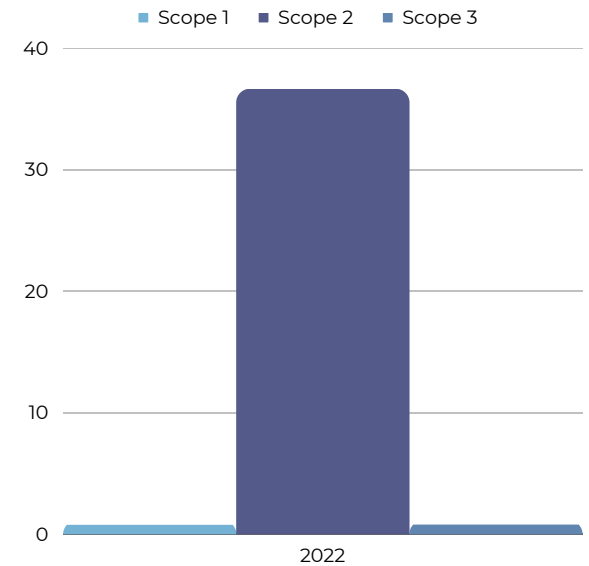
Cuckfield Parish Council's carbon reduction and offsetting strategy will focus on reducing the total Tonnes CO₂e measurement.



Carbon footprint

Cuckfield Parish Council's total carbon footprint for Scopes 1, 2 and elements of Scope 3 is: **38.22 Tonnes CO₂e.**

	Activity	Tonnes of CO ₂ e
Scope 1	Fuels	0.78
Scope 2	UK Electricity	6.69
	Heat & Steam	29.96
Scope 3	Waste Disposal	0.35
	Commuter Miles	0.45
Total		38.22



No other emission activities have been identified from Cuckfield Parish Council's operations in Scope 1, 2 or elements of Scope 3.

Employee emissions

Cuckfield Parish Council's total carbon footprint per employee for the period of April 2022 - March 2023.

6.37 Tonnes CO₂e.



This calculation is based on 6 employees at Cuckfield Parish Council.



Scope 1

Scope 1 consists of all emissions from sources owned or controlled by the business.

Fuel

Cuckfield Parish Council uses unleaded petrol/ biofuel blend as part of their maintenance of Horsefield Green, the two parish-owned allotment sites & Cuckfield Cemetery. The council's fuel usage onsite generates 0.78 Tonnes CO₂e.

Results

Total Scope 1 emissions: **0.78 Tonnes CO₂e.**

Scope 2

Scope 2 consists of emissions that are created through the purchasing of energy from another business.

UK electricity

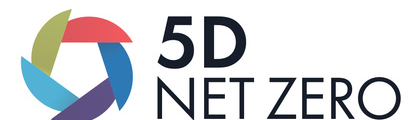
Cuckfield Parish Council's electricity use powers their Public Toilets, Clock lighting, and both the Village and Queen's halls. In total, the electricity used at the council's sites generates 6.69 Tonnes CO₂e.

Heat & Steam

Combi gas boilers are used to heat both the Village and Queen's Halls, making up the highest emitting category throughout the council's footprint, generating 29.96 Tonnes CO₂e.

Results

Total Scope 2 emissions: **36.64 Tonnes CO₂e.**





Scope 3

Scope 3 consists of emissions that are created along a business's value chain.

Upstream distribution

The nature of Cuckfield Parish Council's operations results in no upstream distribution or transportation emissions.

Waste disposal

Non-recycled general waste, and mixed recycled waste, disposed from Cuckfield Parish Council's sites generate 0.35 Tonnes CO₂e.

Business travel

The nature of Cuckfield Parish Council's operations results in no business travel emissions.



Commuter miles

Cuckfield Parish Council's employee commuter miles result in 0.45 Tonnes CO₂e.

Downstream distribution

The nature of Cuckfield Parish Council's operations results in no downstream distribution or transportation emissions.

Results

Total Scope 3 emissions: **0.80 Tonnes CO₂e.**

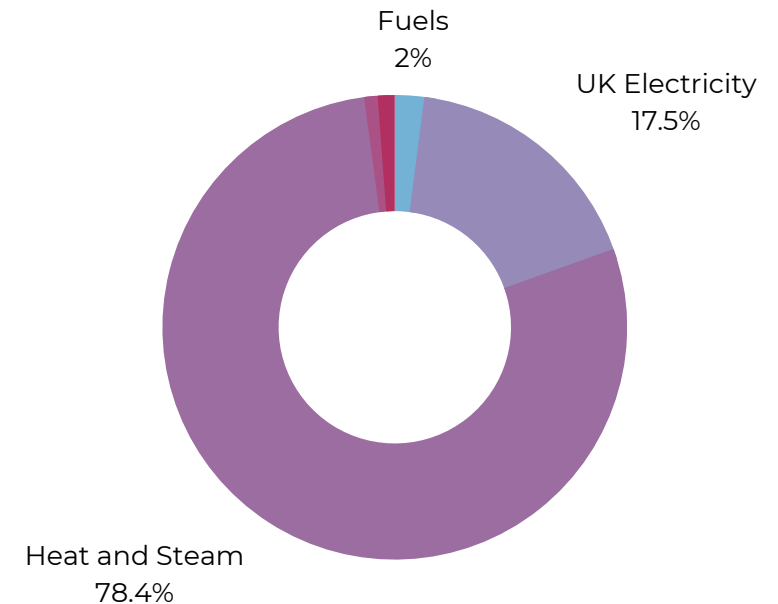


Conclusion

Cuckfield Parish Council has emitted a total of 38.22 Tonnes CO₂e in the reporting period, 1st April 2022 - 31st March 2023.

The largest contributor was the Heating of their Village and Queen's Hall, equating to 36.64 Tonnes CO₂e, and 78.37% of total emissions produced.

Cuckfield Parish Council's next steps are to reduce these emissions to a minimum, through the implementation of an effective Carbon Reduction Plan.





Recommendations

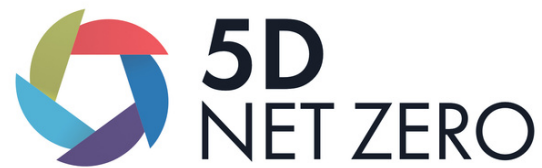
5D Net Zero will work with Cuckfield Parish Council to develop a Carbon Reduction Plan. Carbon Reduction Plans sets a clear strategy to engage stakeholders and encourage behavioural change to make the most meaningful reductions across carbon-intensive operations.

We recommend also looking to future reporting, and aim to expand their reporting boundaries for Scope 3. This would be to calculate the full Scope 3 emissions produced indirectly along the value chain, to understand its total environmental impact, specifically its purchased goods and services.

To reach net zero, Cuckfield Parish Council is committed to measuring and reviewing its carbon footprint and Carbon Reduction Plan annually, and have progress independently verified.

Glossary of terms

Baseline	A year of accounted GHG emissions against which an organisation's emissions can be tracked.
Carbon Reduction Plan (CRP)	A CRP sets out an organisation's commitments to reducing emissions and achieving net zero.
CO2e	Carbon Dioxide and Equivalent Greenhouse Gases.
Direct GHG Emissions	Emissions that are from sources controlled or owned by the reporting organisation.
Emissions	The release of Greenhouse Gases into the atmosphere
GHG Protocol	The Greenhouse Gas Protocol is a comprehensive, global, and standardised framework for measuring and managing GHGs.
Global Warming Potential	A value that allows direct comparison of the impact of different greenhouse gases in the atmosphere.
Greenhouse Gasses (GHGs)	GHGs are the six gases listed in the Kyoto Protocol: carbon dioxide; methane; nitrous oxide; hydrofluorocarbons; perfluorocarbons; and sulphur hexafluoride.
Indirect GHG Emissions	Emissions that result from an organisation's activities are emitted from sources owned by other entities.
Scope 1	All direct GHG emissions are under an organisation's control.
Scope 2	An organisation's emissions are associated with the generation of electricity, heating/ cooling, or steam purchased for its own consumption.
Scope 3	Indirect emissions along an organisation's value chain, are not directly controlled by the business.



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