SMITHS
'72

Smiths 1972
Carbon Reduction Plan

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Commitment to achieving Net Zero

Smiths 1972 is committed to achieving Net Zero emissions by 2045 at the latest.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any formal strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Emissions **For year:** 01 October 2023 – 30 September 2024	**tCO_2e**
Scope 1 – Natural gas for heating and hot water	3.17
Scope 1 – Vehicle fuel	2.51
Scope 2 - Electricity	1.75
Scope 3	
Transmission and distribution losses (electricity and gas inc WTT)	1.10
Waste generated in operations	2.41
Employee commuting	1.36
Total Emissions	**12.30**
Per Employee Emissions	4.10

Additional Details relating to the Baseline Emissions calculations

The figures in this report refer to emissions under Smiths 1972 operational control. The conversion factors used are for location-based reporting. Part of this plan is to improve the scope and accuracy of data going forward. All data has been compiled with reference to and using data from:

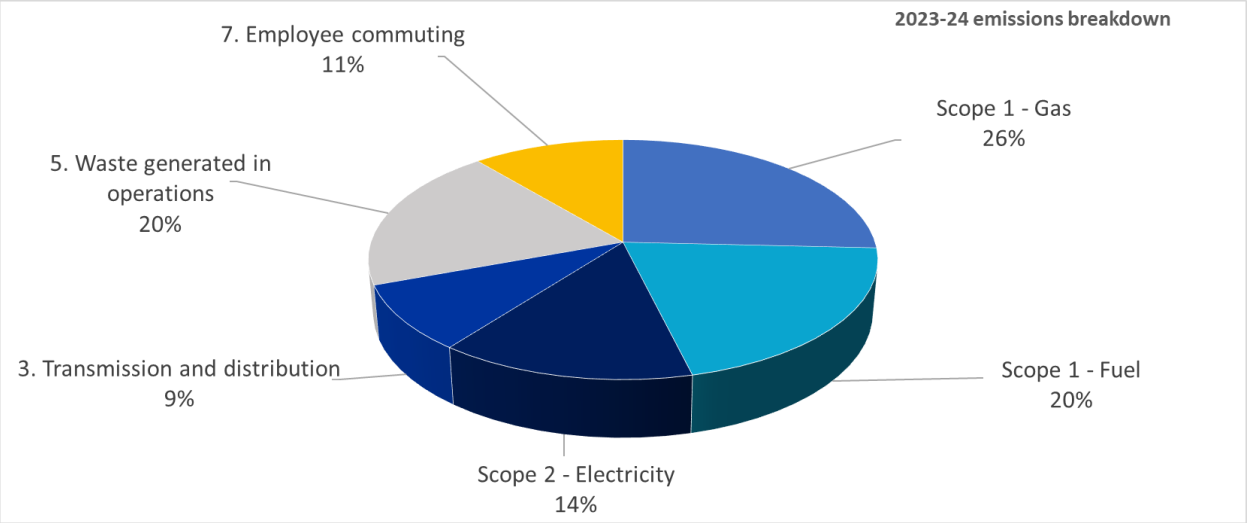
- https://ghgprotocol.org/corporate-standard
- https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting (2023 and 2024 data set)

The figures and information used in calculations have been provided as accurate to the best of our knowledge and as far as practicable we have assumed that figures are representative of our operations. We undertake a continual process of improving our data quality. In the case that we identify any material changes, we may recalculate the data in the future.

* From source data, eliminating rounding errors from breakdown

Current Emissions Reporting

As baseline



Data

Assessment

Scope / category	**Relevance** (materiality based)	**Data quality** (1 = certain, 5 = uncertain)
Scope 1 – Natural gas	High	1
Scope 1 – Company fuel	High	3
Scope 1 – Fugitive emissions	Not applicable	-
Scope 2 - Electricity	High	1
Scope 3		
1. Purchased goods and services	No data available this year*	-
2. Capital goods	Not applicable	-
3. Transmission and distribution (gas and electricity)	Medium	2
4. Upstream transportation and distribution	Not applicable	-
5. Waste generated in operations	High	4
6. Business travel	No data available this year*	-
7. Employee commuting	High	3
8. Upstream leased assets	Not applicable	-
9. Downstream transportation and distribution	Not applicable	-
10. Processing of sold products	Not applicable	-
11. Use of sold products	Not applicable	-
12. End-of-life treatment of sold products	Not applicable	-

13. Downstream leased assets	Not applicable	-
14. Franchises	Not applicable	-
15. Investment	No data available this year*	-

* will be reported when data is available

Data improvement plan

Our ambition is to:

Category	Action
3.1, 3.2, 3.4, 3.5	Engage suppliers to encourage and support them to provide emissions data and their own Net Zero plans.
3.6	Capture business travel distance and mode of travel at time of travel or expense claim

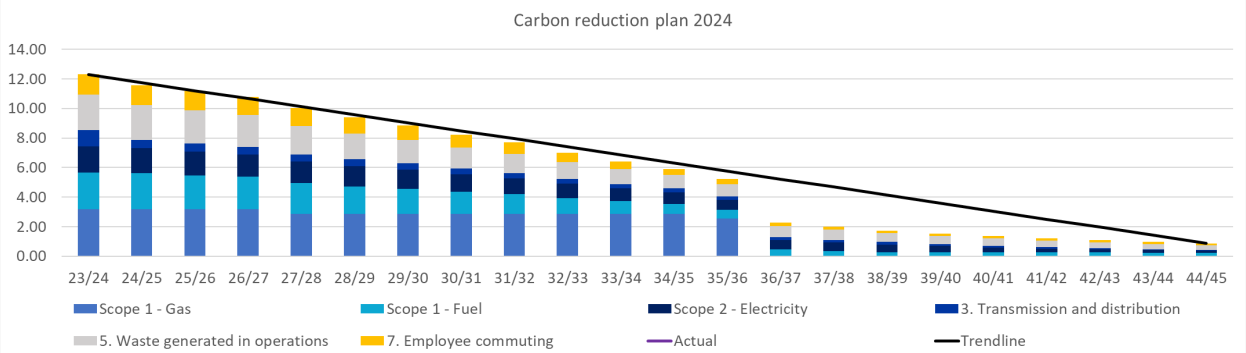
Emissions reduction targets

In order to progress to achieving Net Zero, we have adopted the carbon reduction targets detailed in the graph below.

These targets will be updated and recalculated as additional Scope 3 categories are added and data quality is improved (if changes create >5% variance in original calculations).

We project that carbon emissions will decrease to circa 8.83 tonnes by 2030. This is a reduction of 28% from our baseline year, on average a 3.46% year on year reduction.

Our reduction path is plotted below.



We have assumed reductions from government projected grid electricity decarbonisation and the adoption of lower carbon vehicles and fuels from 2030 based on current legislation and manufacturer plans.

The plan assumes some unavoidable emissions will remain by 2045, and these will be offset via a verified method of atmospheric CO_2 removal.

We anticipate this path will change significantly over time as our options are evaluated and technology changes.

Completed carbon reduction projects

- No record savings from emission reduction projects in this year.

Future carbon reduction initiatives

1. Strategy to replace gas heating and hot water by 2035; including potential for renewables on site and electrification of heating.
2. Encourage and incentivise employees to transition to lower carbon vehicles upon replacement; including installation of EV charging points and consideration of EV salary sacrifice schemes.
3. Engage employees to educate and where possible support their home energy efficiency and heating transition away from fossil fuel sources.
4. Engage supply chain to understand and where possible support their carbon reduction plan development and delivery.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard[1], the Corporate Value Chain (Scope 3) Standard[2].and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[3].

The Scope 3 emissions reported have been calculated in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of Smiths 1972:

……Date: ……..……

[1] https://ghgprotocol.org/corporate-standard
[2] https://ghgprotocol.org/standards/scope-3-standard
[3] https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting

Appendix – Calculations

All conversion factors applied to relevant units to generate Kg CO_2e, then reported as t CO_2e.

Scope 1:

Gas – kwh of natural gas reported multiplied by relevant conversion factors*

Fuel – applying diesel and petrol conversion factors* to reported litres of fuel used, cross checked with mileage data.

Refrigerant gases – kg of refrigerant gas by type multiplied by relevant conversion factors*

Scope 2:

Electricity - kwh of electricity reported multiplied by relevant conversion factors*

Scope 3

3.3 Transmission and distribution

Electricity – Applying the scope 2 electricity data to the appropriate conversion factors*

Note: In this category we have included well-to-tank emissions

3.5 Waste generated in operations

Waste figures estimated from typical collection weight, with split between incineration, recycling and landfill national averages, using the appropriate conversion factors.*

3.7 Employee commuting

Typical weekly commuting distances per week were multiplied by working weeks in the year and the relevant mode of transport emissions factors* applied.

* Taken from https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting for relevant years