

CARBON REDUCTION PLAN

Clive Francis Arboricultural Services

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Introduction and Net Zero Commitment

We aim to achieve Net Zero as an organisation by **2050**.

To achieve this ambitious aim, we will make reducing carbon emissions integral to all business planning and decision-making processes.

This Carbon Reduction Plan details the key initiatives we will put in place as our business grows to achieve our Net Zero ambitions.

1. Baseline Year Carbon Emissions

Baseline year carbon emissions are the reference point against which emission reductions can be measured. They are a record of the greenhouse gases that have been emitted in the past prior to the introduction of any emission reduction strategies.

Baseline Year	2025	
Scope 1 Emissions	28.3	tCO₂e
Scope 2 Emissions	0.0	tCO₂e
Scope 3 Emissions <i>Scope 3 Categories (inc. WPPN 06/21 Categories):</i> <i>No emissions from WPPN 06/21 Categories</i>	58.0	tCO₂e
Total Carbon Emissions	86.2	tCO₂e

2. Current Year Carbon Emissions

Current year carbon emissions are a record of the greenhouse gases that have been emitted in the most current reporting year following the introduction of emission reduction strategies.

Current Year	2025	
Scope 1 Emissions	28.3	tCO₂e
Scope 2 Emissions	0.0	tCO₂e
Scope 3 Emissions <i>Scope 3 Categories (inc. WPPN 06/21 Categories):</i> <i>No emissions from WPPN 06/21 Categories</i>	58.0	tCO₂e
Total Carbon Emissions	86.2	tCO₂e

2.1. Summary of Current Carbon Emissions

Emission Scope	Description		End Use	Current Year Carbon Emissions (tCO ₂ e)	% of Total
Scope 1	Company vehicles		Diesel fuel burned in company vehicles	35.04	41%
Emission Scope	Scope 3 Category		Relevant to the Business?	Current Year Carbon Emissions (tCO ₂ e)	% of Total
Scope 3	1	Purchased Goods & Services	Yes	50.53	59%
	7	Employee Commuting (Working from home emissions are counted under ‘employee commuting’)	Yes – Emissions associated with working from home	0.63	<1%

3. Carbon Emissions Reduction

3.1. Targets

In order to be Net Zero, we need to first make significant reductions to our carbon emissions and then offsetting as a last resort. Any offsetting will be used to counteract the essential emissions that remain after all available reduction initiatives have been implemented.

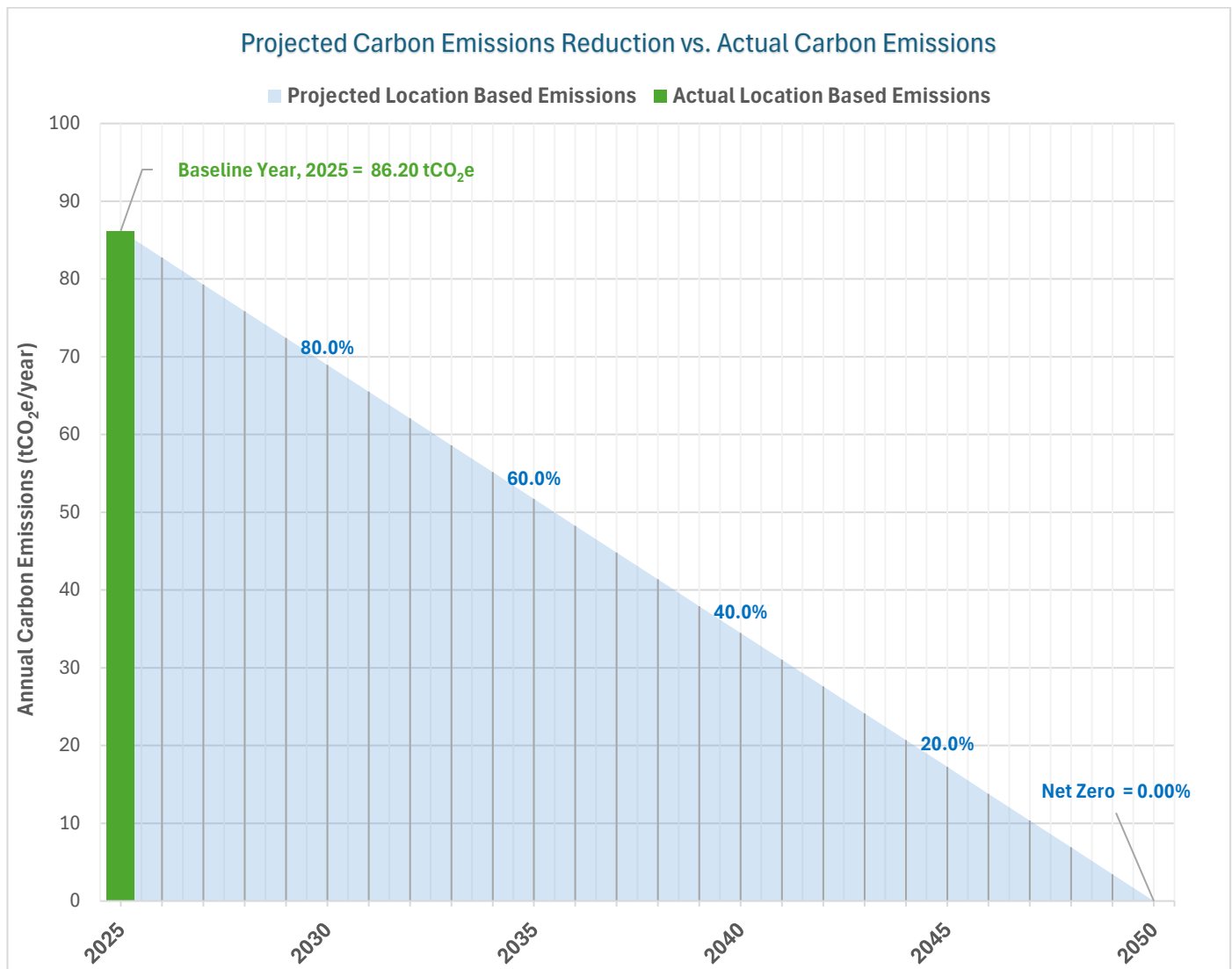
To achieve Net Zero by 2050, we have adopted the following carbon reduction target:

We project that our carbon emissions will decrease over the next five years to 68.96 tCO₂e by 2030

This is a reduction of 20%.

3.2. Projected vs. Actual Reduction

Using the *Science-Based Targets Initiative*¹ recommended 4.2% annual reduction on baseline emissions, the projected Net Zero pathway is shown in the chart below, demonstrating our actual carbon emissions to date against our projected carbon emissions.



3.3. Highest Emitting Sources

Rank	Emissions Source	Current Carbon Emissions (tCO ₂ e)	% of Total	Suggested Actions
1	Goods and Services	50.53	59%	- Reduce unnecessary purchases - Buy Second Hand - Reuse and Repair
2	Company Vehicles	35.04	41%	- Switch to electric vehicles - Practice Green Fleet Management - Reduce Business Travel

4. Action Plan

4.1. Calculating Our Emissions

To manage our emissions, we need to regularly monitor and record our emissions, following the actions below. The Sustainability Champion is responsible for collecting and recording the data as well as publishing the annual emissions report.

Action	Target	Timeframe
Identify a person in the organisation who is responsible for collecting the emission data and for reviewing the progress of these actions.	Sustainability Champion appointed	ASAP
Create a database to easily record and review our emission data.	Database created.	ASAP
Create plan for assessing how will we start collecting data in order to calculate Scope 3 emissions.	Scope 3 data collection plan created.	Mid-Term

4.2. Energy & Water Efficiency

We will encourage staff to be energy efficient by following these energy saving practices.

Action	Target	Timeframe
Regularly review and improve the energy efficiency of our business.	A continued reduction in electricity/gas consumption.	On-going
Regularly review and reduce the water consumption of our business.	A no increase in water consumption.	On-going
Encourage staff to be energy efficient by making it part of usual procedure to turn all electrical equipment and lighting when not in use.	100% staff aware of and engaged in our energy and water efficiency practices.	On-going
Ensure machinery is energy efficient and switch from petrol/diesel to electric powered machinery.	Transition to electric machinery where practical.	Long-term

4.3. Logistics

We will continue to minimise mileage and logistic fuel consumption through the following methods.

Action	Target	Timeframe
Ensure that company vehicles are regularly maintained, and transport is coordinated to minimise fuel use.	100% company vehicles are as fuel efficient as possible (Euro 6).	On-going
Encourage staff to car share, use public transport/ cycle/walk to work.	Increase the number of staff car sharing and/or using public transport/cycling/walking to work.	Short-term
Utilise digital technologies for virtual meetings, minimising travel mileage.	Increase the number of virtual meetings.	On-going

4.4. Procurement

We will increase the sustainability of our supply chain using the following practices and policies.

Action	Target	Timeframe
Continue to use local suppliers wherever possible.	Most of our suppliers are local.	On-going
Review our bill of materials to reduce unnecessary purchases and avoid purchasing products that contain raw and/or hazardous materials as much as possible.	Increase in the amount of sustainable, environmentally friendly materials procured.	Short/ Mid-term

4.5. Waste Generated in Operations

We will focus on reducing the waste generated by the business by implementing the below actions.

Action	Target	Timeframe
Record how much waste is generated and monitor disposal routes, setting annual reduction targets.	Create a waste management plan and set reduction targets.	Short-term
Only order quantities of materials and products that we know we will use to avoid unnecessary waste.	No products/ materials left over after each project.	On-going
Become a paperless business, utilising digital services to reduce the amount of paper we use.	Digitalise the business as much as possible.	Short-term

4.6. Biodiversity

We will promote the importance of improving the local biodiversity, increasing sustainability and our environmental impact.

Action	Target	Timeframe
Adopt a biodiversity policy/eco code to promote the protection, conservation, and sustainable use of biologically diverse ecosystems and habitats.	Create a Biodiversity Policy	Short-term

4.7. Employees

We do our best to provide our staff with support on matters such as upskilling, mental health and emotional wellbeing.

Action	Target	Timeframe
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Provide training opportunities for employees to allow for growth and upskilling.	Increase the number of training courses attended by employees. Encouragement and access to relevant training and CPD	Mid-term
Provide ongoing support to improve our team's physical health, mental health and well-being.	Ensure 100% of the employees are aware of the support services we provide. Encourage fitness-based events like cycling or walking for charities. Make access and introduction to counselling services available to all.	Mid-term

4.8. Local Community

We will continue to work with our local community to help where we can and support the following .

Action	Target	Timeframe
Continue to support local charities/organisations to help develop the local circular economy.	Ensure 1-3 local charities/ organisations are supported each year. Donate crates of seasoned firewood to local charity auctions. Supply woodchip to local allotments for mulch and pathways. Donate timber to local schools for outdoor education including forest schools.	Mid-term

5. Methodology & Governance

The Sustainability Champion will monitor our progress against the actions set out in this Action Plan and ensure that we meet the targets set within the timeframes.

The Sustainability Champion will review our progress annually and publish the findings in an annual sustainability report. They will also regularly report our progress to the key stakeholders of the business.

6. Declaration & 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 and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported 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 (or equivalent management body).

Name: Clive Francis

Position: Sole Trader.

Date: Today's Date- 31/07/26

Next Review Date: 31/07/27Appendix

7. Appendix

7.1. Background of the Carbon Emissions Scopes

One of the leading organisations offering standards and guidance for the accounting of a business's carbon emissions is the GHG Protocol. The GHG protocol first categorised the reporting of carbon emissions into **3 Scopes**: *Scope 1*, *Scope 2*, and *Scope 3*. The GHG Protocol defines each scope as follows:

- **Scope 1:** Direct emissions from owned or controlled sources.
- **Scope 2:** Indirect emissions from the generation of purchased electricity.
- **Scope 3:** All other indirect emissions that occur in a company's supply chain.

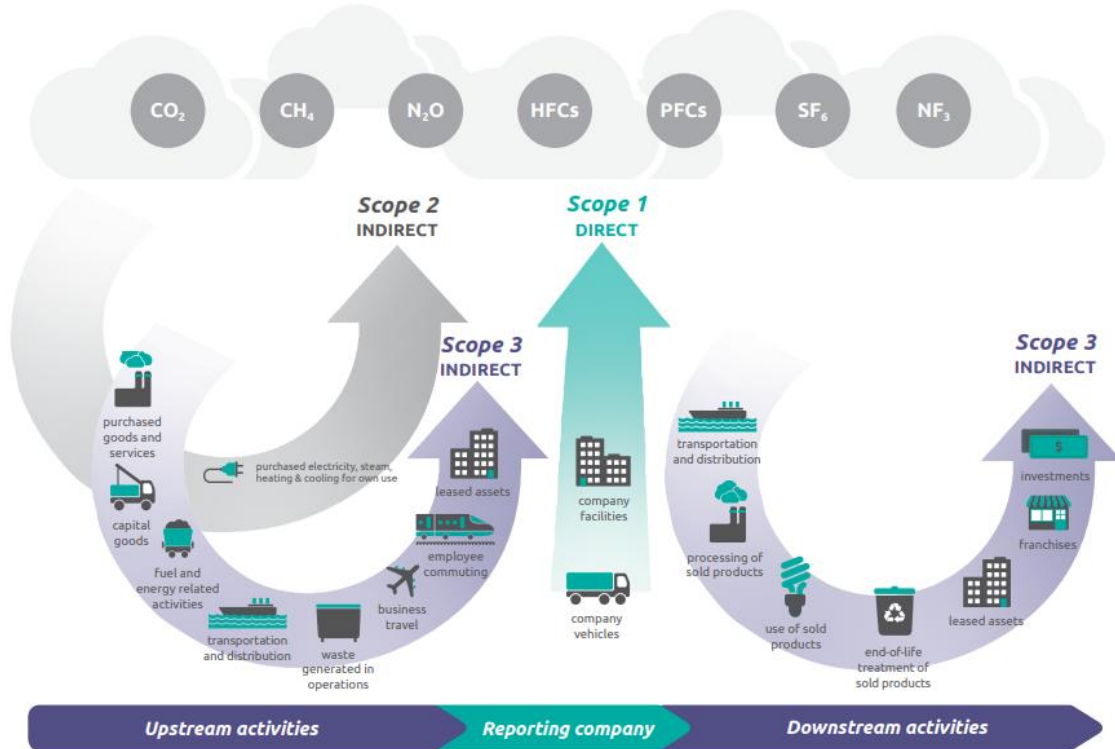


Figure 1: Overview of GHG Protocol Scopes and Emissions³

7.2. Legislative & Policy Context

The climate crisis is one of the biggest challenges of our time. Wales declared a climate emergency in 2019 and the Welsh Government has legislated to reduce greenhouse gas (GHG) emissions to net zero by 2050.

This document and the Carbon Reduction Plan supports:

- *The 17 UN Sustainability Development Goals (SDG4)*⁴, which cover global issues such as poverty, inequality, and climate change and which the private sector is expected to contribute towards.
- *The Well-being of Future Generations (Wales) Act (2015)*⁵, which provides a framework for sustainable development in Wales and aims to ensure that the needs of the present are met without compromising the ability of future generations to meet their own needs.
- *The Environment (Wales) Act 2016*⁶, which requires Wales to reduce greenhouse gas emissions to net zero for the year 2050 and introduces several measures to improve and protect the environment in Wales.
- *Prosperity for All: A Low Carbon Wales*⁷ and *Net Zero Wales Carbon Budget 2*⁸, which set out the different commitments and actions needed from Welsh individuals, businesses, and the public sector in order to reach net zero emissions by 2050.
- *The Towards Zero Waste*⁹ and *Beyond Recycling*¹⁰ strategies which set out the actions needed for Wales to become a zero-waste nation by 2050 while maximising on the economic potential from the circular economy.

References

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3. *World Resources Institute - Greenhouse Gas Protocol:* <https://www.wri.org/initiatives/greenhouse-gas-protocol>
4. *The 17 UN Sustainability Development Goals:* <https://sdgs.un.org/goals>
5. *Well-being of Future Generations (Wales) Act 2015:* <https://www.futuregenerations.wales/about-us/future-generations-act/>
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7. *Prosperity for all: a low carbon Wales:* <https://www.gov.wales/prosperity-all-low-carbon-wales>
8. *Net Zero Wales Carbon Budget 2 (2021 to 2025):* <https://www.gov.wales/net-zero-wales-carbon-budget-2-2021-2025>
9. *Towards zero waste: our waste strategy:* <https://www.gov.wales/towards-zero-waste-our-waste-strategy>
10. *Beyond recycling:* <https://www.gov.wales/beyond-recycling>