

Carbon Reduction Plan (CRP)

Publication Date: 25th September 2023

Commitment to Achieving Net Zero

Marlborough Highways has committed to achieving Net Zero by 2025, significantly improving on the UK Government's Net Zero target of 2050.

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 strategies to reduce emissions. Baseline emissions are the reference point against which emission reductions can be measured.

Emissions are categorised into three scopes; Scope 1, 2 and 3, which defines their source within Marlborough's operations and wider value chain, in-line with the Greenhouse Gas Protocol.

Scope 1: Emissions from sources that Marlborough owns or controls directly.

Scope 2: Emissions that Marlborough causes indirectly when the energy it purchases is used.

Scope 3: Emissions that are not produced by Marlborough directly, and not the result of activities from assets owned or controlled by Marlborough, but by those that Marlborough is indirectly responsible for within the value chain.

Emissions are measured and reported as tonnes per carbon dioxide equivalent (tCO₂e).

The table below demonstrates the baseline emissions for 2021.

Jan-Dec 2021 Marlborough Emissions		
Scope	Activity	tCO ₂ e
Scope 1	Vehicle Fuel Consumption (Fleet)	2,059.53
	Site Gas Oil (Plant)	540.21
	Site LPG	19.22
Scope 1 Sub Total		2,618.96
Scope 2	Electricity Generation	51.68
Scope 2 Sub Total		51.68
Scope 3	Raw Materials	5,944.43
	Waste	34.10
	Employee-Owned Car Travel (Grey Fleet)	33.21
	Electricity Transmission & Distribution	4.57
	Home-Workers	0.84
Scope 3 Sub Total		6,017.16
Marlborough's Total tCO ₂ e for 2021:		8,687.80
tCO ₂ e per £ M turnover:		112.10

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The table below demonstrates the latest emissions for 2022.

Jan-Dec 2022 Marlborough Emissions		
Scope	Activity	tCO ₂ e
Scope 1	Fleet Fuel Consumption	2,348.27
	Plant Fuel Consumption	254.30
	Site LPG	3.70
Scope 1 Sub Total		2,606.27
Scope 2	Electricity Generation	72.40
Scope 2 Sub Total		72.40
Scope 3	Raw Materials	6,213.96
	Scopes 1 and 2 Well-to-Tank	637.43
	Waste	53.64
	Employee-Owned Car Travel (Grey Fleet)	29.80
	Electricity Transmission & Distribution	8.21
	Home-Workers	1.75
Scope 3 Sub Total		6,944.80
Marlborough's Total tCO ₂ e for 2022:		9,623.46
tCO ₂ e per £ M turnover:		109.67

Emission Reduction Targets

Marlborough has set ambitious carbon reduction targets to enable Net Zero emissions by 2025. We recognise the challenges faced within our industry and the constant evolution and development of sustainable alternatives and technologies, so Marlborough's targets are constantly evolving and developing in-line with the new development, innovations, and regulatory changes.

Transport & Plant		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Investment in Electric Vehicle Infrastructure across all Marlborough depots.	Infrastructure will allow for integration of electric vehicles to both fleet and company cars (Scope 1).
2.	Implement 100% electric company car policy.	Eliminate diesel company cars and reduce associated emissions (Scope 1).
3.	Introduction of electric vehicle salary sacrifice scheme, available to all Marlborough employees	Incentivise staff to switch to electric, reduce grey fleet emissions (Scope 3).
4.	All diesel generators on site to switch to sustainable alternative such as HVO or electric.	Reduce diesel consumption and associated emissions (Scope 1).
5.	Plant to switch to sustainable alternative such as HVO, hydrogen or electric.	Reduce diesel consumption and associated emissions (Scope 1).
6.	Migrate to all electric tools.	Reduce diesel consumption and associated emissions (Scope 1).

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Energy Management		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Further investment in renewable energy across all Marlborough depots.	Reduce energy consumption (Scope 2).
2.	LED lighting across all Marlborough depots.	Reduce energy consumption (Scope 2).
3.	All new Marlborough owned buildings will prioritise sustainable design and integration of sustainable technologies.	Reduce energy consumption (Scope 2).
Materials		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Creation of carbon footprint calculator to enable Marlborough to report on material associated emissions at client level.	Produce carbon footprint for individual clients and allow them to make more informed decisions with sustainable material selection (Scope 3).
2.	Work with suppliers to understand and effectively quantify life cycle emissions of asphalt production.	Reduction in associated emissions and drive innovation (Scope 3).
3.	Commitment to only using warm and cold asphalt and no-longer using hot asphalt.	Reduction in associated emissions (Scope 3).
Waste		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Eliminate non-essential single-use plastics from the business.	Reduce waste going to landfill (Scope 3).
2.	100% PPE made from recycled material.	Reduce waste going to landfill (Scope 3).
3.	Zero Construction Waste to Landfill.	Reduce waste going to landfill (Scope 3).
4.	Reduce paper use across all Marlborough depots. Further investment in Marlborough's in-house online platform Quest to support the integration of paperless working.	Reduce waste going to landfill (Scope 3).
Working Together/Supply Chain		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Investment in Sustainability Specific roles within Marlborough.	Monitor, report and introduce new projects within Marlborough to support Net Zero ambition.
2.	Set Science-Based Reduction targets.	Ensures that targets are appropriate set in-line with 1.5-degree warming pathway.
3.	100% Marlborough staff to complete role specific environmental training.	Raise environmental awareness across the business.
4.	Quantify supply chain emissions.	Scope 3.
5.	Continual achievement of ISO 14001.	ISO 14001 ensures environmental continual improvement.
6.	ISO 14064-1 Certification.	ISO 14064-1 ensures environmental continual improvement.
Biodiversity		
Item No.	Carbon Reduction Opportunity	Outcome
1.	Commitment to tree planting per contract, per tonne of carbon dioxide equivalent produced.	Improvement in carbon footprint and reduction in emissions.
2.	Integration of Green Space Creation into project plans.	Supporting local biodiversity, wildlife and supports the creation of natural 'carbon sinks'.

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Declaration and Sign Off

All data has been certified by Carbon Footprint Ltd.

The greenhouse gas emissions have been assessed following the ISO 14064-1:2018 standard and has used the 2021 emission conversion factors published by Department for Environment, Food and Rural Affairs (Defra) and the Department for Business, Energy & Industrial Strategy (BEIS).

The assessment follows the location-based approach for assessing Scope 2 emissions from electricity usage and Scope 1 and 2 emissions have been reported in accordance with SECR requirements.

Signed on behalf of Marlborough Highways:

Matthew Revell

Managing Director

25/09/2023

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