



Carbon Reduction Plan

Reporting Year 2025

Fortis Foundations Civil Engineering Ltd

📅 PUBLISHED MAY 2026

🔄 PPN 06/21 COMPLIANT

Commitment to Achieving Net Zero

Fortis Foundations Civil Engineering Ltd is committed to achieving Net Zero greenhouse gas emissions across our UK operations. We have set the following milestones, which exceed the UK Government 2050 commitment under the Climate Change Act 2008.

2030

Interim management review milestone. Progress assessed against carbon intensity and absolute Scope 1 targets.

2040

Net Zero for Scope 1 and Scope 2 - direct emissions and purchased electricity. Ahead of the UK Government 2050 commitment.

2050

Net Zero across all reported scopes. Full value chain emissions reduced to zero or offset.

This commitment covers all UK-based business activities and is owned by the Managing Director, with delivery responsibility held by the HSE Manager and reviewed annually at director level.

We deliver civil engineering, groundworks and substructure services into the utilities, rail, highways and electric vehicle infrastructure sectors. Our most significant carbon emissions arise from fuel use in our owned plant and vehicle fleet (Scope 1), from electricity used at our two operational offices (Scope 2), and from materials embodied in the works we deliver - concrete, steel reinforcement and timber - together with sub-contracted services within our supply chain (Scope 3).

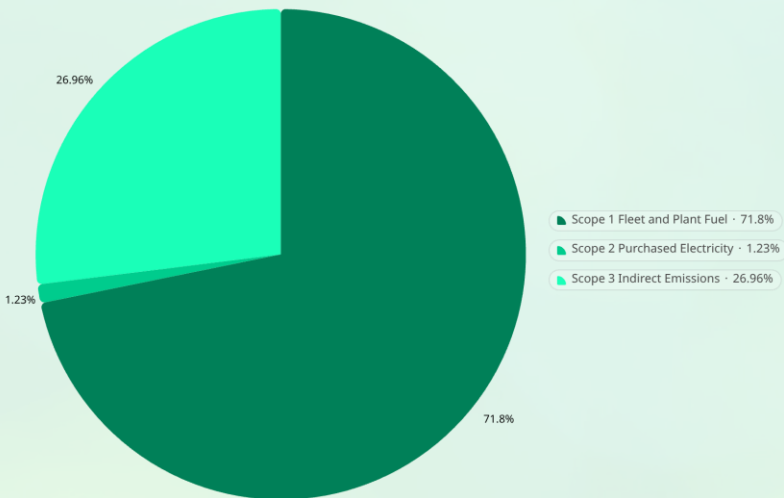
Baseline Emissions Footprint

2025 is Fortis Foundations' first formal reporting year under the centralised Sustainability Tracker, which captures organisational and site-level data across all three scopes. Emissions are reported in tonnes of carbon dioxide equivalent (tCO₂e), using the UK Government Greenhouse Gas Conversion Factors for Company Reporting (2025 set) and the Greenhouse Gas Protocol Corporate Standard.

1,298

Total tCO₂e Baseline

Total organisational carbon footprint for reporting year 2025 across all three scopes.



375

tCO₂e per £1m Turnover

Carbon intensity metric used to track efficiency improvements year on year.

Scope 1 (fleet and plant fuel) accounts for 71.8% of total emissions at 932 tCO₂e, making fuel reduction the primary lever for carbon performance improvement.

Current Emissions Reporting

This is the first formal reporting period under the Sustainability Tracker. Year-on-year comparator data will be presented from the May 2027 update onwards.

Scope 1 Direct Emissions: 932 tCO₂e

Source	tCO ₂ e
Owned diesel plant and vehicles (approx. 346,400 litres)	930
Refrigerant losses (welfare unit fridges)	approx. 2
Total Scope 1	932

Records: fuel logs and telematics, retained by Plant Division per Procedure FF 38.

Scope 2 Purchased Electricity: 16 tCO₂e

Source	tCO ₂ e
Hemel Hempstead operational base (approx. 45,000 kWh)	9.3
Birmingham regional office (approx. 25,000 kWh)	5.2
Site welfare and accommodation units (approx. 7,000 kWh)	1.4
Total Scope 2	16

Records: smart meter data, retained by Finance Department.

Scope 3 Indirect Emissions: 350 tCO₂e

Category	tCO ₂ e
Cat 1 Purchased goods and services (concrete, steel, aggregates, timber, plant hire)	280
Cat 4 Upstream transportation and distribution	22
Cat 5 Waste generated in operations (85% diverted from landfill at 2025 baseline)	8
Cat 6 Business travel	12
Cat 7 Employee commuting	28
Cat 9 Downstream T and D	Not applicable
Total Scope 3	350

Cat 9 is not applicable as Fortis delivers permanent works in situ.

Emissions Reduction Targets

25%

Carbon Intensity Reduction

tCO2e per £1m turnover by 2030

80%

HVO Uptake

Across compatible plant fleet by end 2027

30%

Absolute Scope 1 Reduction

Against 2025 baseline by 2030

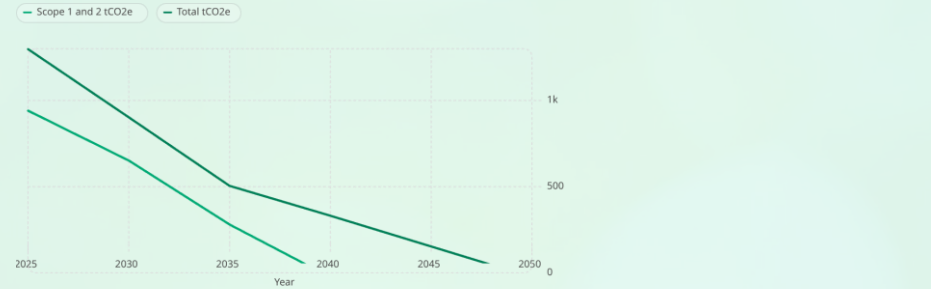
95%

Waste Diversion

From landfill by end 2027

Operational Targets 2026 to 2030

Target Area	Commitment
Scope 1 fuel use	5% year-on-year reduction in diesel and petrol consumption
HVO uptake	60% by end 2026, 80% by end 2027 across compatible plant fleet
Scope 2 electricity	Transition to 100% certified renewable tariff supply by end 2027
Waste diversion	95% of construction and operational waste diverted from landfill by end 2027
Timber procurement	100% from FSC or PEFC certified sources, sustained
Carbon intensity	25% reduction in tCO2e per £1m of turnover by 2030
Scope 1 absolute	30% reduction against 2025 baseline by 2030



Trajectory from 1,298 tCO2e in 2025 to Net Zero by 2050, with Scope 1 and Scope 2 reaching Net Zero by 2040.

✔ Long-term targets: Net Zero for Scope 1 and Scope 2 by 2040. Net Zero across all reported scopes by 2050.

5.0 IMPLEMENTED PROJECTS

Carbon Reduction Projects Already Implemented

Fortis Foundations has implemented the following carbon reduction measures during the 2025 and early 2026 period and prior.



Stage V Plant Fleet

Owned plant fleet built around modern Stage V engines, with HVO compatibility checked on each plant item before purchase.



Hybrid Welfare Units

Hybrid welfare units specified on projects where commercially available, reducing on-site generator fuel consumption.



Certified Timber

Timber procurement from FSC or PEFC certified sources sustained at 100%.



Lower Emission Vehicles

Site vehicle fleet transitioning progressively to lower emission models, including a planned shift to electric vans where the operational profile permits.



Waste Segregation

Waste segregation at source on every project. 85% diversion from landfill achieved at 2025 baseline. Full waste transfer documentation under Environment Agency registration CBDU534743 (valid to 9 May 2027).



Office Controls and Smart Metering

Energy efficient lighting, monitored heating and recycling streams at Hemel Hempstead and Birmingham. Smart meter installation at both offices providing the data foundation for Scope 2 reporting.

Carbon Reduction Projects in Implementation

The following projects are being implemented during the 2026 to 2027 period and will be reflected in future updates of this Plan.



Plant and Fuel

HVO transition for all compatible plant items. Site fuel-bowser supply chains updated. Project-level fuel monitoring introduced.



Electricity Supply

Certified renewable tariff electricity supply across both operational offices by end 2027.



Materials and Supply Chain

Low carbon concrete specification options included as standard within tender pricing. Supply chain ESG screening for all new approved suppliers.



Standards and Governance

Centralised Sustainability Tracker. Project-level carbon recording within each CEMP. ISO 14001:2015 third-party UKAS certification programme underway.

Implementation Roadmap 2026 to 2027



HVO Transition

Switch compatible plant to HVO in 2026.



Supply Chain Screening

ESG screening across suppliers during 2026 and 2027.



Renewable Electricity

Move site power to renewables in 2027.



ISO 14001

Achieve third-party UKAS certification by 2027.

Governance


This Carbon Reduction Plan is owned by the Managing Director. Delivery is led by the HSE Manager and reviewed quarterly at management level under Procedure FF 12 (Audit and Review). Non-conformances against the targets in Section 4 are recorded under Procedure FF 13 (Non-Conformance and Corrective Action) and resolved through the Integrated Management System (IMS).

Management Framework

The Sustainability and Climate Change Management framework (forming part of SEMS 2025) underpins this Plan and is aligned to:

Supporting Documents

- Environmental Management System Policy 2025
- Environmental Procedures Manual (FF 38)
- Sustainable Timber and Procurement Policy 2025

 This Plan is reviewed annually and published on the Fortis Foundations website. Any change of substance is approved by the Managing Director.

ISO 9001:2015

Quality Management System

ISO 14001:2015

Environmental Management System

ISO 45001:2018

Occupational Health and Safety Management

Declaration and Sign-off

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

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) 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 (Streamlined Energy and Carbon Reporting) requirements where applicable, 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) of Fortis Foundations Civil Engineering Ltd.

Published on www.fortisfoundations.com. Reviewed annually. Comments or queries: info@fortisfoundations.com.

**Signed for and on behalf of Fortis Foundations
Civil Engineering Ltd**

Signature:


Will Temperley

Name: William John Temperley

Position: Managing Director

Date:

12/05/2026

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📅 PUBLICATION DATE: MAY 2026

📅 NEXT REVIEW: MAY 2027

Company Details

Registration and Contact Details

Companies House Registration	12623184
Registered Office	Units 6-7, Thurrock Commercial Park, Juliette Way, Purfleet, Essex, RM15 4YA
Operational Base	Unit 3, Brickfields Industrial Estate, Finway Road, Hemel Hempstead, Hertfordshire, HP2 7QA
Document Owner	William John Temperley, Managing Director
Operational Owner	David Eve, HSE Manager (supported externally by Crusader Health and Safety Consulting Ltd)

- 📄 This Carbon Reduction Plan is compliant with PPN 06/21 and has been signed off at Managing Director level. It is published publicly on the Fortis Foundations website and reviewed annually.

Baseline Summary

1,298 tCO₂e

Total Baseline 2025

Target 2040

Scope 1 and 2 Net Zero

Target 2050

Full Net Zero across all scopes

🌱 NET ZERO COMMITTED

📄 PPN 06/21 COMPLIANT