

FREELEY

THE **GOLD STANDARD** IN DEMOLITION

CARBON EMISSIONS REDUCTION PLAN

Rev. 2

September 2026



Cert No. 19307

Publication Date:
September 2026

Review Date:
Annually (September 2027)

Commitment to Net Zero:
Freeley is committed to achieving Net Zero emissions by 2050, in line with the UK’s national target, with interim goals of reducing absolute emissions by one third by 2030 and by at least 50% by 2035, compared to a 2020 baseline.

Introduction
J Freeley Ltd (“Freeley”), established in 1983, is a demolition contractor based in Worsley, Salford, specialising in projects such as multi-storey buildings, hospitals, and universities. Demolition, a core activity, contributes significantly to the construction sector’s 13% share of global emissions. This plan outlines Freeley’s strategy to measure, reduce, and offset carbon emissions, aligning with Salford City Council’s climate emergency declaration, Greater Manchester’s target of carbon neutrality by 2038, and the UK’s Sixth Carbon Budget (78% reduction by 2035 from 1990 levels).

Baseline Emissions Footprint
Baseline emissions for 2020, covering Scope 1, Scope 2, and Scope 3, were calculated using the Greenhouse Gas (GHG) Protocol Corporate Standard and UK Government emission conversion factors for the relevant year. Scope 1 is derived from fuel purchase records for our own plant, lorries and vans; Scope 2 from metered electricity at our yard and offices (location-based method); and Scope 3 from waste transfer notes, supplier and subcontractor data, and staff travel records.

2020 Baseline Emissions

Emission Scope	Description	Emissions (tCO ₂ e)
Scope 1	Direct emissions (fuel in our own excavators and plant, lorries, vans and site generators)	1,200
Scope 2	Indirect emissions from purchased electricity at the yard and offices (location-based)	20
Scope 3	Indirect emissions from the value chain (waste, third-party transport, business travel, commuting)	1,500
Total		2,720

- Notes:**
- Scope 3 includes the five categories required by PPN 006: upstream and downstream transport, waste, business travel, and employee commuting.
 - Data derived from project records, fuel logs, and supplier emission factors.
 - Scope 2 is reported on a location-based basis. Freeley has purchased electricity on a 100% renewable (REGO-backed) tariff since 2021; on a market-based basis Scope 2 emissions are 0 tCO₂e.
 - Site operatives travel daily to sites across the North West and North Wales, which increases commuting and transport-related emissions.

Revision Note (Rev. 2, September 2026)

In preparing this revision, Scope 2 emissions for the baseline year and all subsequent years have been recalculated from metered electricity data, correcting an overstatement in Rev. 0 and Rev. 1, and the 2020 baseline has been restated from 3,000 tCO₂e to 2,720 tCO₂e in accordance with the GHG Protocol’s requirements for baseline recalculation. Emissions reduction targets have also been re-based on a costed, HVO-led Scope 1 pathway and specific Scope 3 measures, replacing the earlier electrification-led projection. The restated figures and targets supersede those in previous revisions.

Current Emissions Reporting (2024 and 2025)

Following the reduction measures set out below, emissions have fallen as follows. All figures in tCO₂e. From 2026 we will also report an intensity metric (tCO₂e per £m turnover) alongside absolute figures, so that progress can be assessed independently of annual workload, which varies significantly from year to year for a demolition contractor.

Emission Scope	2020 Baseline	2024	2025	Change vs 2020
Scope 1	1,200	1,080	1,010	-16%
Scope 2	20	16	15	-25%
Scope 3	1,500	1,350	1,280	-15%
Total	2,720	2,446	2,305	-15%

Scope 3 Emissions by Category

Scope 3 Category (PPN 006)	2025 Emissions (tCO ₂ e)
Upstream transportation and distribution	260
Waste generated in operations	610
Business travel	90
Employee commuting	140
Downstream transportation and distribution	180
Total Scope 3	1,280

Progress:

- Scope 1: Reduced via Stage V machinery, GPS route optimisation and an HVO fuel trial in 2025.
- Scope 2: Reduced through LED lighting and motion sensors; supply moved to a 100% renewable tariff.
- Scope 3: Improved by recycling 97% of demolition arisings, diverting timber from landfill and local sourcing.

Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, Freeley has adopted the following carbon reduction targets. We project that carbon emissions will decrease over the next five years to 1,835 tCO₂e by 2030. This is a reduction of 33% against the 2020 baseline of 2,720 tCO₂e, and of 20% against our 2025 emissions of 2,305 tCO₂e.

Our targets, which are aligned with Greater Manchester’s 2038 carbon-neutral target and UK net zero goals, are:

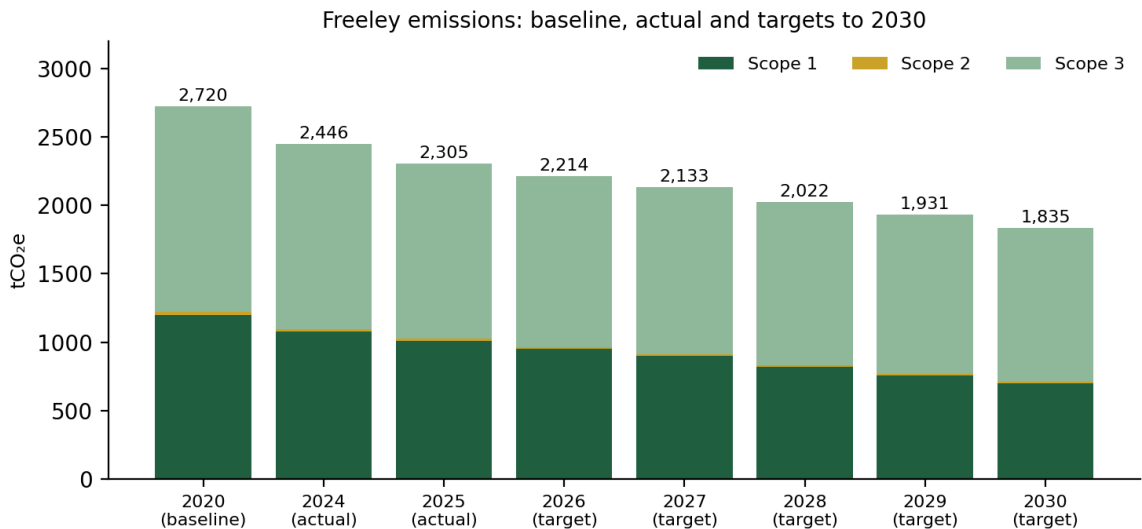
- Short-Term (2030): Reduce absolute emissions by one third to 1,835 tCO₂e.
- Medium-Term (2035): Reduce absolute emissions by at least 50% against the 2020 baseline.
- Long-Term (2050): Achieve Net Zero, with residual emissions offset.
- Interim Milestones:
 - By 2027: Reduce Scope 1 emissions by 25% against baseline (to 900 tCO₂e) by moving our heavy plant to HVO fuel.
 - By 2030: Reduce Scope 1 emissions by 42% (to 700 tCO₂e) through fleet-wide HVO, Stage V replacement and electric vans.
 - By 2030: Reduce Scope 3 emissions by 25% (to 1,125 tCO₂e) through waste diversion, supplier engagement and staff travel measures.
- Tracking: Annual monitoring of fuel, electricity and waste records through our ISO 14001 environmental management system, with public reporting.

Projected Emissions Trajectory (tCO₂e)

The table and chart below set out our year-by-year emissions targets for each scope through to 2030. Progress against these targets will be reported annually in the updated Carbon Reduction Plan published on www.jfreeley.co.uk.

Scope	2020 Baseline	2025	2026	2027	2028	2029	2030	Reduction vs 2020
Scope 1	1,200	1,010	950	900	820	760	700	-42%
Scope 2	20	15	14	13	12	11	10	-50%
Scope 3	1,500	1,280	1,250	1,220	1,190	1,160	1,125	-25%
Total	2,720	2,305	2,214	2,133	2,022	1,931	1,835	-33%

Targets for 2026–2030 are projections based on the planned measures set out below. Beyond 2030, we will continue to reduce emissions to at least 50% below baseline by 2035 and towards Net Zero by 2050, with any residual emissions offset.



Carbon Reduction Projects and Measures

Completed Measures (2020–2025)

- **Fuel Efficiency:**
 - Upgraded to Tier 4/Stage V machinery, reducing fuel use by 15% (100 tCO₂e).
 - Optimized vehicle routes with GPS, saving 5% fuel.
- **Waste Management:**
 - Achieved 97% recycling rate.
 - Sold reusable materials for direct reuse.
 - Donated non-sellable items to charities.
- **Energy Efficiency:**
 - Moved electricity supply to a 100% renewable tariff (2021) and installed LED lighting and motion sensors, cutting electricity use by around 25% (5 tCO₂e).
- **2025 Progress:**
 - Trialled HVO fuel on selected excavators, saving 40 tCO₂e; diverted timber arisings from landfill to specialist recycling.

Total reduction achieved 2020–2024: 274 tCO₂e (10% of baseline), with a further 141 tCO₂e saved in 2025 (total reduction to date: 15%).

Planned Measures (2026–2030)

- **Low-Carbon Fuel and Plant:**
 - Move all heavy plant to HVO fuel by 2028, starting with excavators on long-duration contracts in 2026. HVO reduces tailpipe Scope 1 emissions by around 90% compared with diesel and is our principal Scope 1 measure.
 - Continue the Stage V replacement cycle for excavators and lorries, use telematics to cut idling, and introduce electric vans for supervisors and small deliveries from 2027. Trial a smaller electric excavator for soft-strip and internal works when a suitable machine is available.
- **Pre-Demolition Audits and Material Recovery:**
 - Undertake a pre-demolition audit on all projects over £500,000 to identify materials for reuse and recycling before works start.
 - Report recovered tonnages and recycling rates to clients on every project.
- **Supply Chain Engagement:**
 - Require subcontractor and haulier fuel/emissions reporting by 2027, supported by a supplier code of conduct.
 - Source plant hire, skips and materials from local suppliers to cut third-party transport emissions by 10%.
- **Waste and Circular Economy:**
 - Increase direct reuse of materials (bricks, steel sections, fittings) over recycling, and reduce the landfilled fraction of arisings from 3% to 1% by 2030.
 - Divert all timber and plasterboard arisings from landfill to specialist recyclers.
 - Reduce commuting emissions by using shared vehicles and minibuses for operatives travelling to distant sites.

- **Staff Training:**
 - Train 100% of staff via the Carbon Literacy Project by end of 2026.
 - Appoint a Sustainability Champion by end of 2026.
- **Greater Manchester Actions:**
 - Introduce electric vans in line with Greater Manchester's Clean Air and 2038 carbon-neutral targets.
 - Support urban tree-planting in Salford and Greater Manchester to offset residual emissions.

Projected emissions in 2030: 1,835 tCO₂e – a 33% reduction on the 2020 baseline.

Carbon Offsetting

- Offset residual emissions from 2030 via UK-based tree planting or renewable energy projects.
- Prioritize Salford/Manchester-based initiatives (e.g., urban parks).
- Cap offsets at 10% of total emissions to focus on reductions.

Governance and Reporting

- **Responsibility:** Overseen by the Board through a nominated Director, with quarterly reviews by the Sustainability Champion once appointed.
- **Reporting:**
 - Annual emissions reports on www.jfreeley.co.uk and for clients.
 - Compliance with SECR and PPN 006 (which replaced PPN 06/21).
- **Auditing:** Emissions data is reviewed annually through our ISO 14001 environmental management system (certified by Alcumus ISOQAR) and NFDC site audits. Independent third-party verification of emissions data will be sought by 2028.

Challenges and Mitigation

- High embodied carbon in waste: Use on-site crushing and steel recycling.
- Limited electric heavy plant: Use HVO as the bridging fuel, trial smaller electric machines, and advocate via the NFDC.
- Scope 3 from subcontractors: Develop supplier code of conduct by 2027.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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).

Board approval date: 2 September 2026

Signed on behalf of the Supplier:

A handwritten signature in blue ink, appearing to read 'M. Freeley', with a stylized flourish at the end.

Name: Michael Freeley
Position held: Director
Date: 2 September 2026



THE **GOLD STANDARD** IN DEMOLITION

J Freeley Ltd, Southern Street, Worsley, Manchester M28 3QN
E: enquiries@jfreeley.co.uk T: 0161 273 4189

www.jfreeley.co.uk