

Carbon Strategy to Achieving Net Zero

Through our Carbon Strategy, we champion low-carbon solutions by investing in plant, electric vehicles, equipment, and alternative energy. We continue to support industry efforts to achieve net zero carbon emissions.

DAWSON-WAM Ltd is committed to reaching Net Zero by 2050. This commitment is outlined in our annual Carbon Reports, covering Scope 1, 2 and 3 emissions and aligning with UN Sustainable Development Goal 13 (Climate Action).

With over 15 years of carbon reduction experience, we use BSI-accredited ISO standards and PAS 2080 Carbon Management to analyse data and deliver a practical, ambitious decarbonisation strategy.

Our roadmap sets out clear short and long-term actions, focusing on net zero fleet and plant, innovation and collaboration, supply chain leadership, low-carbon materials, energy management, and PAS 2080 carbon data verification.

PPN 006 Carbon Reduction Plan (CRP)

Procurement Policy Note (PPN) 006 was introduced to ensure that suppliers to the UK government demonstrate their commitment to carbon reduction as part of their procurement processes, aligned with the Procurement Act 2023 and Procurement Regulations 2024. This report outlines our Carbon Reduction Plan as required by suppliers bidding for major UK government contracts and demonstrates our commitment to achieving Net Zero carbon emissions by 2050.

Emissions & Carbon Reporting

We are committed to reducing Scope 1, 2 and 3 emissions, guided by high ethical standards and a clear view of what achieving Net Zero requires. We collect monthly and quarterly data to track UK energy use and emissions.

Using carbon calculators and industry tools, we monitor our performance against ambitious sector targets. Emissions are calculated using government conversion factors, translating energy use into CO₂e within our Carbon Calculator.

PAS 2080 Carbon Management System External Verification

PAS 2080 provides a structured framework to manage and reduce carbon across the whole asset lifecycle (design, construction, operation & end-of-life), ensuring our Carbon Reduction Plan is robust, measurable, and aligned with Net Zero. Verified by BSI. Certificate Number: CAMS 780141.

Driven by PAS 2080 our Carbon Reduction Plan targets measurable actions, driving continual carbon reduction, and supporting us on the journey pathway to Net Zero.

Renewable Energy & Offset Carbon

Through our Environmental, Sustainability & Carbon Reduction Policies we continue to invest in sustainable initiatives. These range from investment in renewal energy sources to planting schemes

dating back over 15 years. Here is a summary of our renewable & offset carbon during the previous year (2025).

Renewable energy from solar (kWh)	33,644
Fossil free energy / Ground Source Heating (kWh)	40,000
Fossil free energy / Hydrotreated Vegetable Oil (HVO) (a. Litres/b. kWh)	a. 12000 / b. 131520
Fossil free energy from green electric tariffs (kWh)	60261*
Renewable energy from electric vehicles (a. kWh / b. miles)	a. 18600 / b. 50220
Total gross renewable energy based on above (kWh)	73,644
Offset Ratio (kWh per employee)	669.49

Baseline Targets

We have established carbon baselines and set science-aligned reduction targets consistent with Net Zero trajectories. Through data collection carbon tools and consistent methodologies under PAS 2080 we have enabled accurate measurement, benchmarking and reporting.

Baseline Year: 2020 / Reset in 2021 due to Scope 3.

PAS 2080 & ISO 14001 objectives target continuous improvement with performance monitored against these targets, with regular reviews, lessons learned and corrective actions feeding back into the Carbon Reduction Plan.

Emissions & Carbon Footprint

Comparative reporting is displayed within Carbon Footprint Poster, issued for all locations. Reporting is extended to our major projects in the form of Energy & Carbon Reports

Awards & Industry Recognition

In recognition of our approach DAWSON-WAM Ltd were proud to be awarded NI Environmental Benchmarking Platinum Award 2025 and shortlisted for the Construction Employers Federation (CEF) Environmental & Sustainability Award.

These high standards & performance were further recognised through our Considerate Constructors Scheme company membership period with a further two CCS National Bronze Awards in April 2025.

Baseline Emissions Footprint

Our baseline emissions date back to 2011, when we began recording greenhouse gases following investment in ground source and biomass heating, replacing fossil fuels. Baseline emissions provide the reference point against which reductions are measured.

Initially, our inventory covered Scope 1 and 2 emissions. Since 2020, we have expanded this to include Scope 3, recognising its importance to achieving Net Zero and improving our data collection systems accordingly.

Carbon Reduction Plan 2026



Following this, our 2025 greenhouse gas inventory covering all relevant Scope 3 sources was externally verified to BSI PAS 2080. This includes purchased goods and services, upstream transport, operational waste, and employee commuting, in line with Carbon Reduce Programme requirements.

Baseline Year: 2020	
Emissions Source Category	t CO ² e
Total Scope 1	279.89
Total Scope 2	26.8
Total Scope 3	295.1
Total Emissions (Scope 1,2&3)	601.79

Due to the significant expansion of Scope 3 data, our baseline was reset in 2021 to enable like-for-like comparison of future emissions.

Baseline Year: 2022	
Emissions Source Category	t CO ² e
Total Scope 1	261.59
Total Scope 2	23.93
Total Scope 3	259.53
Total Emissions (Scope 1,2&3)	545.05

Carbon Emissions Calculations (2025)

Year: 2025			
Category	Emission source category		t CO ² e
Scope 1	Direct emissions arising from owned or controlled stationary sources that use fossil fuel and/or emit fugitive emissions	Fuels	55.88
		Bioenergy	0
	Direct emissions from owned or controlled mobile sources	Company cars	30.14
		Company vans	182.62
	Total Scope 1		268.64
Scope 2	Location-based emission from the generation of purchased electricity	Electricity	22.82
		Electricity for Evs	3.95
	Total Scope 2		26.77
Scope 3	Fuel and energy related activities	Transmission and distribution losses	1.96
	Waste generated in operations	Waste	9.69
	Purchased goods	Water supplied	0.47
		Material use	9.06
	Business travel	All transportation by air	120.88
		All transportation by sea	0.36
	Employees commuting		26.10
	Total Scope 3		220.11



Carbon Reduction Plan 2026



Total Emissions (Scope 1,2&3) for 2025	515.52
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DAWSON-WAM emissions data within this plan aligns with the GHG Protocol Corporate Standard and Scope 3 value chain reporting, using the operational control approach. Scope 1, 2 and Scope 3 emissions are certified to BSI PAS 2080 Carbon Management.

Note that “Downstream Transportation and Distribution” is excluded as it is not applicable to our operations. We do not own or sell the infrastructure we construct.

Emission Sources

We recognise that effective carbon management requires consideration of emissions across Scope 1, Scope 2 and the relevant Scope 3 categories in accordance with the requirements of PPN 006. Our Carbon Reduction Plan provides emission reduction targets and the actions taken to realise emissions reduction. Compliant with ISO 50001 & PAS 2080 Guidance. Each scope is defined as:

- Scope 1 emissions are direct emissions arising from owned or controlled sources e.g. owned vehicles, combustion of fuel in facilities, biofuels
- Scope 2 emissions are indirect emissions from purchased energy e.g. electricity, heating, cooling
- Scope 3 emissions are all other indirect emissions that occur in the organisation’s value chain e.g. purchased goods and services, business travel, staff commuting, upstream transportation and distribution, waste generated through our operations and downstream transportation and distribution

Emissions Reduction Targets

We have set carbon reduction targets to reduce Scope 1 and 2 emissions and achieve Net Zero by 2050, supported by interim milestones to track progress.

While continuing to strengthen our Scope 3 data, which we adopted 2021 as the baseline to inform future targets and ensure consistent measurement.

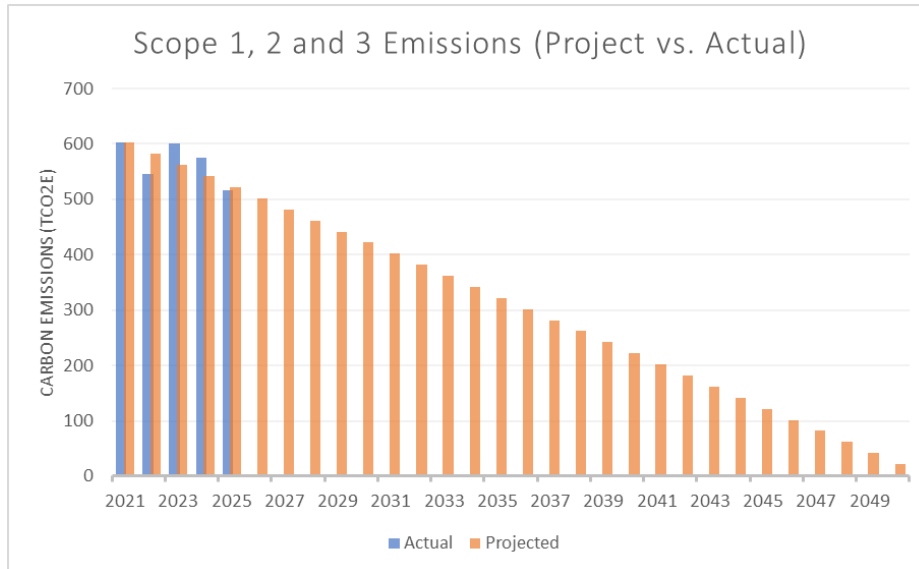
Our phased targets are:

- **By 2040:** Achieve Net Zero across Scope 1 and 2
- **By 2050:** Achieve Net Zero across Scope 1, 2 and 3

Aligned with a 1.5°C pathway and the Paris Agreement, we project Scope 1 and 2 emissions will fall to 200 tCO₂e by 2027—a 35% reduction from our baseline.

Progress against these targets can be seen in the graph below:





Our reduction targets align with industry and UK government net zero goals, including Scottish public sector targets (2045), PN006 requirements and CO2nstruct Zero guidance.

Carbon Reduction Initiatives

Since our baseline, we have implemented a range of environmental measures. While these have not yet reduced absolute emissions largely due to increased construction activity, fleet growth, and expanded project locations. Our use of HVO fuel has helped mitigate potential increases however this is difficult to source in the wider UK. Despite fluctuations driven by business growth, we have improved overall carbon efficiency.

Key initiatives include:

- Workforce ESG training and behaviour change programmes both internal and industry driven
- Commitment to 100% renewable electricity
- Office energy audits and efficiency improvements (e.g. LED lighting, boiler upgrades)
- Introduction of SMART building solutions including temporary site accommodation & welfare solutions
- Transition to an ultra-low emission vehicle (ULEV) fleet
- Use of digital platforms to reduce business travel and commuting – new EHS system went live in April 2026
- Further development of project-specific carbon foot-printing aligned with PAS 2080 using new EHS system to capture data
- Supply chain engagement to reduce wider impacts
- Involvement with industry groups including Federation of Piling Specialists (FPS)
- Maximising opportunities for hybrid working and governance to reduce travel emissions
- Incentives for low emission company cars

Future Measures

- Increase carbon awareness via the Carbon Literacy Project, targeting >25% staff accreditation.
- Implement business-level improvement plans with clear annual carbon targets.

- Default to low-carbon solutions (e.g. EcoSense cabins), requiring opt-out rather than opt-in.
- Achieve Science Based Targets initiative (SBTi) validation aligned to 1.5°C or <2°C.
- Strengthen workforce knowledge, analytics, and performance reporting.
- Develop Scope 3 net zero roadmaps for key categories.

Current Environmental Measures (ISO & PAS 2080 aligned)

- Annual carbon reduction tracking since 2011 using recognised tools.
- Emissions reductions via renewable heating (ground source, biomass) and awareness initiatives.
- Carbon reporting through PAS 2080 and Carbon Reduction Plan.

Scope 1 Reductions

- Renewable heating systems and improved building insulation.
- Reduced travel via hybrid working and meetings.
- Incentives for low-carbon transport.

Scope 2 Reductions

- Use of renewable electricity tariffs.
- Transition to EV/hybrid fleet (target 80% by 2025; 50% achieved).
- Expansion of EV charging infrastructure.
- Shift to HVO fuels for plant and equipment.
- Energy audits, SMART building solutions, and staff engagement.

Scope 3 Reductions

- Supplier engagement to address energy and resource risks.
- Focus on lifecycle emissions (materials, transport, combustion).

Additional Future Actions

- Enhance PAS 2080 carbon data systems and footprint (ISO 14067).
- Continue R&D into zero-carbon fuels including hydrogen.
- Require suppliers to commit to Net Zero by 2050.
- Increase solar energy capabilities.
- Improve Scope 3 measurement and mitigation.
- Explore further offsetting opportunities where emissions cannot be eliminated.

Declaration and Sign Off

This Carbon Reduction Plan* has been completed in accordance with PPN 006 and the associated 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 GHG Reporting Protocol Corporate Standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Carbon Reduction Plan 2026



Scope 1 and Scope 2 emissions have also 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, PPN 006 and the Corporate Value Chain (Scope 3) Standard³.

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

Signed: *Peter Kerr*

Date: 2nd Sep 2026

Peter Kerr

HSEQ Director

*Carbon Reduction Policy available on our website: www.dawsonwam.co.uk / <https://dawsonwam.co.uk/about-us/policies>

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>

