The Shepley Group

Developing high performing people, **building a legacy of excellence.**

Carbon Reduction Plan.

Updated 2025

Commitment to Achieving Net Zero

The Shepley Group is committed to achieving Net Zero greenhouse gas emissions for all Scope 1 and Scope 2 emissions by 2040.

Although Scope 3 emissions were not initially measured, minimum data collection commenced in the 2023–2024 financial year. The Group intends to expand Scope 3 reporting in future years. However, Scope 3 emissions are currently excluded from the formal Carbon Reduction Plan.

Baseline Emissions Footprint

Baseline emissions represent greenhouse gases produced before any formal emissions reduction strategies were implemented. They serve as a reference point for measuring future reductions.

Baseline Year: 2022–2023 Financial Year

The baseline data has been verified and rectified in 2024 to reflect actual operational conditions.
During the baseline year, no formal emissions reduction strategy was in place.
Emissions figures are reported in tonnes of carbon dioxide equivalent (tCO_2e) for consistency.
No Scope 3 emissions were recorded for the baseline year.

Baseline Year: 2022 / 2023
Additional Details relating to the Baseline Emissions Calculation
• All electricity tariffs were transferred to renewable Green Tariffs. • Organisational changes led to improved data collation and verification. • No Scope 3 emissions data was available for this period.

Baseline Year Emissions: 2022 / 2023	
EMISSIONS	**TOTAL (tCO2e)**
Scope 1	**631.394t**
Scope 2	**107.726t**
Scope 3	**0**

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Current Emissions Reporting

Reporting Year: 2023 / 2024	
EMISSIONS	**TOTAL (tCO2e)**
Scope 1	**809.812t**
Scope 2	**99.636t**
Scope 3	**27.681**
Total Emissions	**937.12t (837.49t net)**

Emission Reduction Targets

To support the journey toward Net Zero, the Shepley Group has adopted the following targets:

Note: Emissions during the period from the baseline year through 2024 increased due to delayed implementation of reduction measures and a rise in commercial vehicle use.

6 years (2024-2030)	Proposed tCO^2e saving
837.49 tCO^2e to 258.96 tCO^2e – 70% decrease	
In 2023/2024 The removal of Kerosene from the West Cumberland site.	**38.00 tCO^2e**
2024 The proposed uptake of HVO fuel in the remaining fleet of vehicles will subsequently result in a further 90% reduction in vehicle emissions.	**496.73 tCO^2e**
Baseline year of 2023/2024 received LED lighting upgrades to the Sheffield workshop and the Barrow in Furness workshop which will ultimately reduce energy from these locations over the forthcoming period. 2024-2030	**26.00 tCO^2e**
Business mileage submissions will be reduced by approx. 50% due to the EV salary sacrifice scheme being utilised for business users resulting in less vehicle emissions.	**16.4 tCO^2e**
Use of HVO in all mobile plant and generators.	**1.40 tCO^2e**
Total Saving 2024 - 2030 tCO^2e	**578.53 tCO^2e**

10 years (2030-2040)	Proposed tCO^2e saving
258.96 tCO^2e to 0% – 100% decrease	
Solar panel installation project at the Sheffield site which will reduce our overall carbon emissions that are produced from electricity use.	**105.98 tCO^2e**
Replacing dated inefficient vans for Electric vehicles (in areas where this will be a benefit) such as site vehicles when they are at the end of their economical life and localised office based vehicles.	**5.00 tCO^2e**

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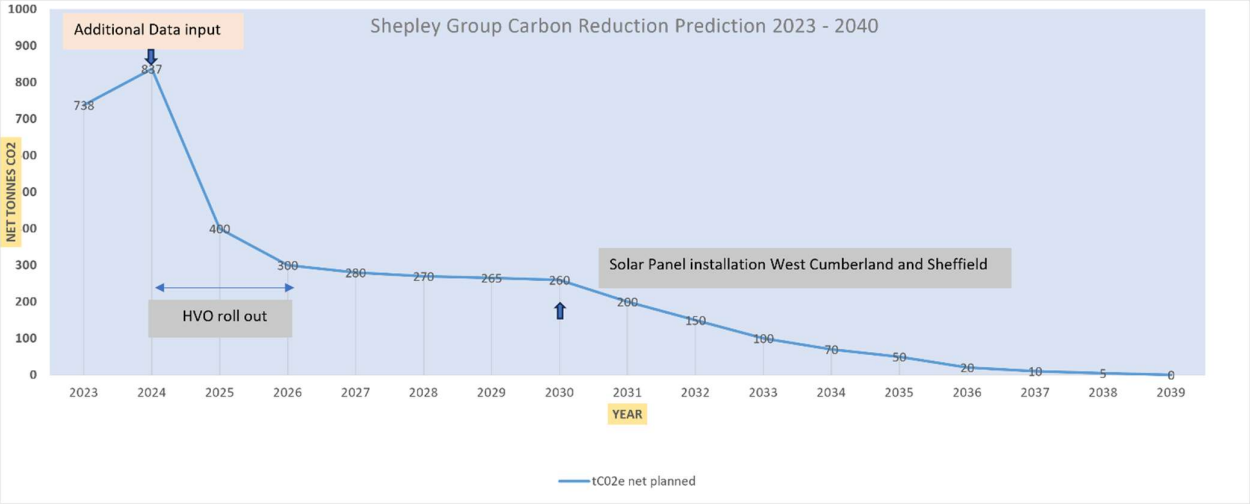
Renewable Energy replacement on sites where applicable such as West Cumberland Engineering– Solar Panels proposal- Option 2 Ortus Energy. Wksp 4 and Wksp 2.	**49.00 tCO^2e**
Solar panel installation project / upgrade at West Cumberland Engineering- Wksp 1 and Wksp3 which will reduce our overall carbon emissions that are produced from electricity use when accompanied with LED light installation completed for the whole of West Cumberland Engineering ltd.	**70.00 tCO^2e**
Further carbon reduction will occur as a result of ongoing energy reduction programs and replacement of commercial vehicles to Electric.	**28.97 tCO^2e**
Total Saving 2030 - 2040 tCO^2e	**258.95 tCO^2e**

Carbon offsetting does not feature as part of this Carbon reduction plan however the reduction targets will be closely monitored.

Figure 1.



Graph demonstrating carbon reduction pathway to net zero 2024.

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Progress to Date:

2023 Milestones:

- Fleet reduction completed.
- Kerosene removed from West Cumberland site.
- LED lighting upgrades at Sheffield completed.

2024 Update:

- HVO fuel rollout delayed due to logistical and contractual issues.
- Full rollout rescheduled for 2024–2025 to realign with the reduction pathway.

Completed Carbon Reduction Projects:

Year	Initiative
2021	Fleet halved; improved route planning; multi-user vehicles introduced.
2022	Transitioned electricity supply to 100% renewable tariffs.
2023	LED lighting & PIR sensors installed at Barrow and Sheffield offices; space heaters replaced with Rointe radiators.
2023	Kerosene removed from West Cumberland site.
2024	HVO rollout Stage 1 – Sellafield.
2025	HVO Stage 2 – Cross-hired Sellafield vehicles; Stage 3 – Springfield/off-site fleet.

Future Carbon Reduction strategy

The Shepley Group will continue to pursue the following long-term strategies:

- Fuel Transition: Replacing conventional diesel in new vehicles with HVO fuel.
- Fleet Modernisation: Phasing in EVs for site and office-based roles.
- Renewable Installations: Solar panel installations at Sheffield and West Cumberland sites.

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Energy Efficiency Projects:

- Expanded LED lighting and smart controls (PIRs).
- Print management software implementation.
- Lamp replacement and laser machine upgrades (e.g., Trotec machines for 79% energy savings).
- EV Infrastructure: Aligning vehicle replacement cycles with infrastructure rollout timelines.

Declaration and 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 following best practice.

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.

References: https://www.carbontrust.com/our-work-and-impact/guides-reports-and-tools/briefing-what-are-scope-3-emissions

Definitions:

- (GHG) = Greenhouse Gasses.
- (tCO2e) = "tonnes of carbon dioxide equivalent," eg; all GHG emissions together in the same measurement.
- (Net Zero) = the balance between the amount of greenhouse gas that's produced and the amount that's removed from the atmosphere.

This Carbon Reduction Plan has been reviewed and signed off by the Managing Director of the Shepley Group.

Sign 

Date **7th July 2025**

https://ghgprotocol.org/corporate-standard
https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting

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