



ASTRAL LIMITED

Carbon Reduction Plan

Prepared in accordance with Procurement Policy Note PPN 006 (Procurement Act 2023)
and the NHS Net Zero Supplier Roadmap

Version 2.1

Baseline and reporting year: 1 November 2024 – 31 October 2025

Publication date: **09/10/2026**

Reviewed: October 2026

Next Review: January 2027 (updated plan published no later than 30 April 2027)

Supersedes: Carbon Emissions Reduction Plan 2026–2030 (January 2026)

1. Supplier Details

Item	Detail
Supplier name	Astral Limited
Registered office	66 High Street, Bluetown, Sheerness, Kent ME12 1RW
Company registration number	02430111
Organisational boundary	Operational control – all UK operations of Astral Limited (office, construction sites, fleet and staff)
Financial year end	31 October
Publication date	09/10/2026

2. Commitment to Achieving Net Zero

Astral Limited is committed to achieving Net Zero emissions by 2045.

This commitment covers Astral's Scope 1, Scope 2 and Scope 3 emissions within the boundary set out in this plan, including all work delivered for NHS and wider public sector clients. It is five years ahead of the UK Government's 2050 target and matches the NHS target of net zero by 2045 for the emissions it can influence.

Net Zero for Astral means reducing absolute emissions by at least 90% against the baseline year. Any small remaining emissions will be balanced only by permanent carbon removals. Offsetting will not be used to meet the interim targets in Section 5.

Interim commitment: all diesel vehicles will be removed from the Astral fleet by 2030.

3. Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that Astral produced in the past, before the introduction of any strategies to reduce emissions. They are the reference point against which emissions reduction is measured.

Baseline Year: 1 November 2024 to 31 October 2025 (Astral's financial year)

Additional details relating to the Baseline Emissions calculations

This is Astral's first Carbon Reduction Plan prepared to the PPN 006 reporting standard, so the baseline year and the current reporting year are the same twelve-month period. The footprint was built from Astral's purchase ledger (every purchase batch report and credit-card batch for the year), the electricity bills for both office meters, and the waste carriers' invoices.

- Standard: GHG Protocol Corporate Standard, with Scope 3 in line with the Corporate Value Chain (Scope 3) Standard and the Cabinet Office technical standard for Carbon Reduction Plans.
- Boundary: operational control; UK emission sources only; the seven Kyoto Protocol gases reported as tonnes of carbon dioxide equivalent (tCO₂e).
- Conversion factors: UK Government (DESNZ) Greenhouse Gas Reporting Conversion Factors 2025, being the set for the calendar year in which most of the reporting period falls.
- Scope 1 diesel: fuel-card invoices for the company vans and company credit-card fuel purchases (treated as diesel). Spend was converted to litres using the UK Government's monthly average diesel pump prices, giving about 7,390 litres.

- Scope 2: 16,620 kWh of electricity across both office meters, reported on a location-based method (UK grid average). The bills do not evidence a renewable or REGO-backed tariff, so no market-based reduction is claimed. Home charging of the four company electric cars is estimated from their mileage (about 60,000 miles in the year).
- Scope 3 estimates: deliveries are counted as one van delivery per supplier invoice (1,147 invoices, 30 km average round trip), which deliberately overstates rather than understates the figure. Waste is based on 45 skip collections (311 cubic yards) at 0.25 tonnes per cubic yard, with 90% assumed recovered. Commuting is based on three staff travelling 5 miles each way in their own cars. Rail is converted from card spend.
- Exclusions: none. Category 9 is not applicable to Astral's business. Credit-card fuel for July 2025, whose batch record could not be read, has been estimated as the average of the other eleven months.

Baseline year emissions

Emissions	Sources included	Total (tCO ₂ e)
Scope 1	Diesel used in the two company diesel vans (company fuel card) and road fuel bought on company credit cards. No natural gas supply, company air-conditioning or refrigeration plant, or other fuels were recorded.	19.00
Scope 2	Purchased electricity at 66 High Street, Sheerness (two meters, location-based) and electricity used to charge the four company electric cars at home.	6.85
Scope 3 – Cat 4	Upstream transportation and distribution: supplier and builders' merchant deliveries to the office and sites, and third-party haulage.	9.13
Scope 3 – Cat 5	Waste generated in operations: skips and wait-and-load collections by licensed waste carriers.	4.12
Scope 3 – Cat 6	Business travel: rail and public transport. No business mileage is claimed in employee-owned cars.	0.03
Scope 3 – Cat 7	Employee commuting in employees' own vehicles.	1.82
Scope 3 – Cat 9	Downstream transportation and distribution: not applicable – Astral is a building contractor and does not sell or ship products.	0.00
Total emissions	Scope 1 + Scope 2 + Scope 3 (Categories 4, 5, 6, 7 and 9)	40.95

4. Current Emissions Reporting

Reporting Year: 1 November 2024 to 31 October 2025 (same period as the baseline year for this first plan).

Emissions	Sources included	Total (tCO ₂ e)
Scope 1	Diesel used in the two company diesel vans (company fuel card) and road fuel bought on company credit cards. No natural gas supply, company air-conditioning or refrigeration plant, or other fuels were recorded.	19.00
Scope 2	Purchased electricity at 66 High Street, Sheerness (two meters, location-based) and electricity used to charge the four company electric cars at home.	6.85
Scope 3 – Cat 4	Upstream transportation and distribution: supplier and builders' merchant deliveries to the office and sites, and third-party haulage.	9.13
Scope 3 – Cat 5	Waste generated in operations: skips and wait-and-load collections by licensed waste carriers.	4.12
Scope 3 – Cat 6	Business travel: rail and public transport. No business mileage is claimed in employee-owned cars.	0.03
Scope 3 – Cat 7	Employee commuting in employees' own vehicles.	1.82
Scope 3 – Cat 9	Downstream transportation and distribution: not applicable – Astral is a building contractor and does not sell or ship products.	0.00
Total emissions	Scope 1 + Scope 2 + Scope 3 (Categories 4, 5, 6, 7 and 9)	40.95

5. Emissions Reduction Targets

To continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets:

Target	Target year	Measured against
Remove all diesel vehicles from the company fleet	2030	Fleet register
Reduce combined Scope 1 and Scope 2 emissions by 50% (from 25.85 to 12.9 tCO ₂ e or less)	FY 2029/30	Baseline year
Reduce total emissions (Scope 1, 2 and 3) by 45% (to 22.5 tCO ₂ e or less)	FY 2029/30	Baseline year
Reduce total emissions by at least 90% and reach Net Zero across Scopes 1, 2 and 3	2045	Baseline year

We project that carbon emissions will decrease over the next five years to approximately 22.0 tCO₂e by FY 2029/30. This is a reduction of about 46% against the baseline year.

The projection assumes the two diesel vans are replaced with electric vans (Scope 1 falling from 19.0 to about 1.0 tCO₂e, with Scope 2 rising to about 9.0 tCO₂e to charge them). It also assumes delivery consolidation and better waste segregation reduce Scope 3 by about 20%, to around 12.0 tCO₂e. It takes no credit for further decarbonisation of the UK grid.

Progress against these targets will be reported each year in the Current Emissions Reporting section of this plan.

6. Carbon Reduction Projects

Completed and current carbon reduction initiatives

The following environmental management measures and projects have been completed or implemented. They will continue to be in effect when performing contracts for NHS and public sector clients.

- Fleet electrification: four of Astral's six company vehicles are fully electric. The two remaining diesel vans are retained only for fuel and plant collection and the delivery of heavier equipment to site.
- Off-peak EV charging: company electric cars are charged mainly off-peak on Economy 7 tariffs, with home chargers installed for staff who have a company electric car.
- Active travel: company-owned electric bikes are issued to operatives for home-to-office trips and travel to local sites, replacing short vehicle journeys.
- Car sharing: car sharing to site is mandatory where practicable for employees and sub-contractors and is monitored by site management.
- Lighting: 90% of office lighting is LED, with the remainder replaced at end of life under an old-for-new policy.
- Digital working: electronic invoicing, online document management and digital site records. Office staff use laptops and electronic paper tablets to keep printing to a minimum.
- Local supply chain: each Construction Phase Plan includes a map of local material depots, and site managers source materials and labour locally wherever possible to cut transport emissions.
- Waste: office recycling is in place and site waste is removed by licensed carriers, with segregation of recyclable streams where space allows.

Future carbon reduction initiatives

In the future we will implement further measures, including:

- Replacing the two remaining diesel vans with electric or other zero-emission vans by 2030, as each reaches the end of its service life.
- Moving the office electricity contract to a REGO-backed renewable tariff at the next renewal, and submitting actual meter readings to the supplier every month.
- Using the litres shown on fuel-card invoices (available from 2026) and recording EV odometer readings at each year end, so that each annual update uses measured data.
- Running an annual staff commuting and business travel survey to improve Scope 3 Category 6 and 7 data.
- Asking waste carriers for tonnage and diversion-from-landfill reports for every project, and setting a site waste diversion target of at least 90%.
- Asking builders' merchants to consolidate deliveries, and preferring suppliers with their own carbon reduction plans.
- Specifying low-energy site welfare (e.g. hybrid or solar welfare units), and HVO in place of diesel for hired plant where available.

- Seeking independent validation of Astral's reduction targets through the Science Based Targets initiative SME route, ahead of the NHS 2027 Carbon Reduction Plan requirements.

7. Governance, Monitoring and Publication

- The Managing Director is accountable for this plan and for approving each annual update.
- Fuel, electricity, vehicle mileage and waste data are collated monthly from the purchase ledger and reviewed at management meetings.
- This plan is reviewed and republished every year, within six months of Astral's financial year end (31 October), or sooner after a significant change to the business. The next update, covering 1 November 2025 to 31 October 2026, will be published by 30 April 2027.
- The current plan is published on astralltd.co.uk with a link from the homepage. Previous versions and the supporting emissions calculations remain available on request.
- This plan sits alongside Astral's Environmental & Net Zero Policy, which reflects the figures and targets in this plan.

8. 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 of Astral Limited on **09/10/2026**

Signed on behalf of Astral Limited:

Signature	
Name	Paul Houghton
Position	Managing Director
Date	09/10/2026