



AW ALUMINIUM LIMITED

CARBON REDUCTION PLAN

PPN 006 Carbon Reduction Plan based on the verified 2024-25 baseline

Document produced August 2026



AW ALUMINIUM LIMITED

Carbon Reduction Plan

Verified baseline: 1 August 2024 to 31 July 2025

Document information	Detail
Organisation	AW Aluminium Limited
Registered office	Unit 33 Century Business Centre, Century Business Park, Manvers, Rotherham, South Yorkshire, S63 5DA
Head office	Unit 11, J3 Business Park, Carr Hill, Doncaster, DN4 8DE
Baseline period	1 August 2024 to 31 July 2025
Publication status	Published August 2026
Prepared by	Georgia Wren, HSEQ Manager
Applicable standard	PPN 006 technical standard for Carbon Reduction Plans
Review Date	August 2027

2,172.21 tCO₂e baseline | Net Zero by 2050

1. Commitment to achieving Net Zero

AW Aluminium Limited is committed to achieving Net Zero greenhouse gas emissions by 2050. This commitment applies to the organisation's whole operations within its operational control boundary. The company will review its Carbon Reduction Plan at least annually and will update the plan to reflect performance, changes in its organisational boundary, improved emissions data and material business changes.

AW Aluminium Limited has been measuring and monitoring its organisational carbon footprint since 2021. To strengthen the transparency, accuracy and credibility of its reporting, the company has committed to annual independent third-party verification through Achilles Information Limited. The 2024–25 reporting period represents AW Aluminium's first formally verified baseline and provides the reference point against which future progress will be measured. This commitment demonstrates the company's ongoing intention to improve data quality, reduce greenhouse gas emissions and report its progress openly and consistently.

AW Aluminium aims to reduce absolute Scope 1, and Scope 2 emissions by 10% each year through to 2030 against the 2024-25 baseline as well as working closely with our supply chain to implement the use of industry leading low carbon products to reduce our scope 3 beyond industry averages for our product ranges. This is an ambitious internal aim rather than a guarantee: progress will be reported transparently, including the effect of changes in turnover and project mix.

2. Baseline emissions footprint

Baseline emissions are the reference point against which future reductions will be measured. AW Aluminium's first organisational greenhouse gas inventory covers 1 August 2024 to 31 July 2025 and uses the operational control consolidation approach for its whole operations.

Scope	Baseline emissions (tCO ₂ e)	Share of total
Scope 1 - direct emissions	139.62	6.43%
Scope 2 - purchased electricity (location based)	11.69	0.54%
Scope 3 - other indirect emissions	2,020.90	93.03%
Total gross emissions	2,172.21	100.00%

The inventory was verified by Achilles Information Limited against ISO 14064-1:2018, ISO 14064-3:2019 and the Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Reasonable assurance was provided for Scopes 1 and 2 and limited assurance for Scope 3.

3. Current emissions reporting

This is AW Aluminium's first Carbon Reduction Plan. The baseline period is therefore also the current reporting period. No reduction is claimed before a subsequent full-year inventory has been completed and compared using a consistent organisational boundary and methodology.

Reporting period (tCO ₂ e)	Scope 1	Scope 2	Scope 3	Total (tCO ₂ e)
1 Aug 2024-31 Jul 2025	139.62	11.69	2,020.90	2,172.21

4. Scope 3 emissions

The verified inventory measured a broad range of Scope 3 emissions. The categories below show the five-category subset required by the PPN 006 reporting standard and the wider categories reported by AW Aluminium.

PPN 006 Scope 3 category	Baseline (tCO ₂ e)	Reporting position
Upstream transportation and distribution	Included within relevant spend-based Scope 3 categories; not separately quantified	Delivery and collection emissions associated with supplier-owned vehicles, hired plant and equipment are embedded within the relevant spend-based material, hire and equipment calculations. The transport element was not separately itemised and cannot be disaggregated without risking double counting.
Waste generated in operations	0.53	Verified inventory category.
Business travel	0.10	Verified inventory category.
Employee commuting	9.95	Verified inventory category.
Downstream transportation and distribution	4.12	Verified inventory category.

DATA TRANSPARENCY NOTE Upstream transportation and distribution emissions are included within relevant spend-based Scope 3 categories but cannot be separately disaggregated for the baseline year. AW Aluminium will seek separate delivery distance, vehicle, load or supplier emissions data in future reporting periods.

Wider verified Scope 3 inventory

Scope 3 category	Emissions (tCO ₂ e)
Purchased goods and services	1,964.01
Fuel and energy related activities	40.43
Employee commuting	9.95
Downstream transportation and distribution	4.12
Capital goods	1.76
Waste generated in operations	0.53
Business travel	0.10
Total Scope 3	2,020.90

Purchased goods and services account for approximately 90.4% of the total organisational footprint. Consequently, material selection, supplier engagement and the progressive replacement of spend-based estimates with quantities and product-specific Environmental Product Declarations are central to this plan.

5. Existing environmental management measures

The following measures are already in place. As they were operating during the baseline year, AW Aluminium does not claim that they produced a reduction from the reported baseline unless a separate, evidenced comparison is available.

Green vehicle incentives

AW Aluminium encourages and supports employees in selecting lower-emission vehicles where suitable, including electric and other low-emission options. To support the transition to electric vehicles, the company provides employees with free on-site vehicle charging. These measures support the gradual reduction of emissions associated with employee commuting and business travel while contributing to the transition towards a lower-carbon vehicle fleet.

The charging electricity will form part of AW Aluminium's Scope 2 electricity consumption, while the benefit should be reflected in reduced Scope 3 employee-commuting emissions.

Cycle to Work Scheme

The company operates a Cycle to Work Scheme to encourage employees to use lower-carbon methods of travelling to and from work. The scheme supports reduced commuting emissions while promoting employee health and wellbeing.

Low-carbon materials

Low-carbon materials are prioritised during procurement where they meet the required technical performance, specification, availability and commercial requirements. This includes aluminium products with verified low embodied carbon and increased recycled content.

Local procurement

Where practicable, AW Aluminium purchases materials, products and services from local and regional suppliers. This supports shorter supply chains and provides opportunities to reduce transportation distances while supporting the local economy.

Responsible sourcing

AW Aluminium considers environmental performance and responsible sourcing when selecting suppliers and materials. The company seeks products supported by recognised certifications, Environmental Product Declarations and evidence of responsible or recycled material content where applicable.

LED lighting

LED lighting is installed at AW Aluminium's premises to reduce electricity demand relative to conventional lighting. Electricity consumption will continue to be monitored annually, with opportunities for controls, shutdown routines and renewable electricity procurement reviewed as part of the annual plan.

Zero waste to landfill

AW Aluminium operates a zero-waste-to-landfill approach supported by evidence from its waste contractor. Waste is segregated to maximise recovery and recycling, and waste transfer documentation and contractor reports are retained. The company will continue to monitor both treatment route and waste quantity so that prevention and material efficiency remain the priority ahead of recycling.

Low-carbon aluminium as standard

Low-carbon aluminium products, including products with high recycled content and product-specific environmental data, are used as the standard approach where they satisfy the project specification, technical performance, client approval and availability requirements. The verified baseline already identifies low-carbon aluminium products among the company's significant purchased material sources.

Compressed-air system upgrade

AW Aluminium has upgraded the compressed-air lines within its factory to improve system efficiency and reduce air leakage. By reducing pressure loss and unnecessary compressor operation, the upgrade is expected to lower electricity consumption associated with the compressed-air system. The pipework and connections will continue to be inspected and maintained to identify and address future leaks.

Carbon measurement and assurance

AW Aluminium has established an organisational greenhouse gas inventory through NZC Plus and obtained independent verification. The HSEQ Manager coordinates annual data collection, source-evidence retention, calculation review and preparation for assurance.

6. Future carbon reduction initiatives

Initiative	Planned action	Measure of progress
Low-carbon materials	Increase use of aluminium with verified low embodied carbon and recycled content; request current EPDs and supplier carbon information during procurement.	% aluminium purchases supported by product-specific EPDs; weighted embodied carbon where data permits.
Glass and other materials	Engage significant suppliers to obtain quantity-based and product-specific information, prioritising glass and other high-impact materials.	% high-impact material spend replaced by quantity/EPD data.
New machinery	Invest in a double mitre saw with a six-metre bed and integration with CNC production to improve cut accuracy, reduce double handling, rework and offcut waste.	Material yield, offcut weight, rework/defects, output per hour and energy per unit.
Fleet and fuel	Monitor fuel by vehicle and litre, maintain vehicles efficiently and assess lower-emission replacements at renewal points where operationally suitable.	Litres, tCO ₂ e and intensity per vehicle/project.
Electricity	Track consumption and review renewable electricity procurement, controls and shutdown practices.	Annual kWh, Scope 2 tCO ₂ e and electricity intensity.
Waste prevention	Maintain zero waste to landfill while reducing total waste and improving segregation and reuse of suitable offcuts.	Tonnes by waste stream, recovery route and waste intensity.
Transport data	Work with key material suppliers and hire providers to separately identify delivery and collection activity currently embedded within spend-based calculations, allowing upstream transportation to be reported separately without double counting.	% transport activity supported by distance, weight, vehicle or supplier-specific data.
Data quality	Document the complete annual data-collation methodology and replace spend-based estimates with activity and supplier-specific data where practicable.	% emissions calculated using activity or supplier-specific data; audit findings closed.

7. Governance, monitoring and review

The Board retains overall accountability for the Net Zero commitment and approval of this plan. The HSEQ Manager is responsible for coordinating implementation, maintaining the inventory methodology, collating evidence and reporting performance to the directors. Operational owners will support delivery through procurement, production, fleet, facilities and project controls.

- The organisational greenhouse gas inventory will be updated annually using a consistent operational control boundary.
- Absolute tCO₂e will be the primary target measure, supported by intensity metrics such as tCO₂e per £1 million turnover and per employee.
- Material changes to organisational boundaries, calculation methods or emissions factors will be disclosed, and the baseline will be recalculated where appropriate.
- Evidence will be retained through supplier invoices, fuel-card portals, utility records, waste documentation, travel data, EPDs and calculation workbooks/platform records.

- Progress, barriers and corrective actions will be reviewed by the directors at least annually before the plan is reapproved and republished.

Data quality priorities

A material proportion of purchased goods and services was measured using spend-based analysis. This provides a complete starting point but carries greater uncertainty than physical-quantity or product-specific information. AW Aluminium will therefore develop a documented data-collation methodology and progressively adopt supplier-specific EPDs and activity data. AW Aluminium will improve the transparency of upstream transportation data by obtaining delivery information from key suppliers and progressively separating embedded transport emissions from relevant spend-based categories.

8. Declaration and sign-off

This Carbon Reduction Plan has been prepared in accordance with PPN 006 and its associated technical standard. Upstream transportation and distribution emissions are incorporated within relevant spend-based Scope 3 categories but are not separately disaggregated for the baseline reporting period. Emissions have been recorded with reference to the GHG Protocol Corporate Standard, the Corporate Value Chain (Scope 3) Standard, ISO 14064-1:2018 and the emission factors and verified calculation approach described in AW Aluminium's organisational inventory.

Scope 1 and Scope 2 emissions have been reported in accordance with applicable SECR principles, and Scope 3 emissions are reported using the verified organisational inventory.

Director signature 	Director signature 
Name: __Lee Wren__	Name: _Andrew Statham_
Position: Director	Position: Director
Date: 10/08/2026	Date: 10/08/2026

10. Supporting information

Source	Purpose
AW Aluminium Limited - 2025 organisational carbon report	Baseline inventory, scope/category totals, intensity metrics and methodology.
Achilles organisational verification report dated 7 July 2026	Independent verification scope, assurance level and findings.
Cabinet Office PPN 006 technical standard	Current UK Government Carbon Reduction Plan reporting requirements.