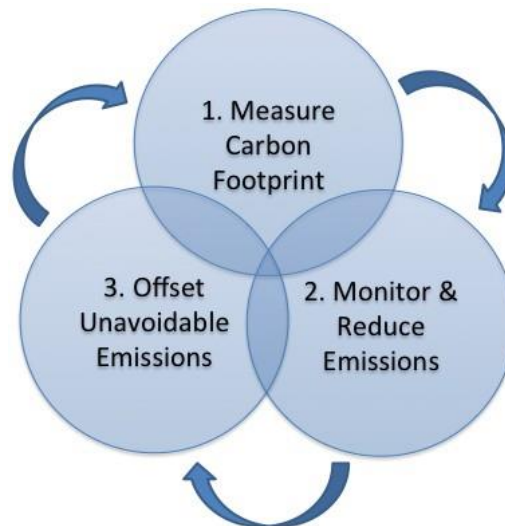


CARBON REDUCTION PLAN 2023 - 2024



Reporting Period 1st July 2023 – 30th June 2024

First Published 2021

Commitment to Achieving Net Zero 2050

AD Construction Group is committed to achieving Net Zero emissions by 2050.

AD Construction Group's Carbon Reduction Plan seeks to reflect the requirements of Procurement Policy Note PPN06/21.

We are committed to achieving Net Zero emissions by 2050, with a reduction in our current carbon emissions reaching 60% against our current baseline figures by 2035. Our carbon reduction plan has now been changed to align with our financial trading period, which is 1st July – 30th June each year. Our original baseline figures were generated from our 2019 – 2020 financial year and formed the basis for our reduction targets going forward. Of course, year on year we will be evaluating our performance against the previous year's figures and taking the necessary actions to move towards achieving our goals.

We are also aware that we are growing as a business and as such will also publish our carbon emission against every £m gross turnover generated.

Each member staff and interested third parties such as clients, manufacturers, suppliers, and package contractors, will be encouraged to buy into our Net Zero targets and play their part in helping us achieve our overall goal of Net Zero emissions by 2050.

AD Construction Group are actively working with existing and new clients to support them in upgrading their housing stock to achieve their Net Zero ambitions (e.g. PAS 2030 related works). We are committed to leading the low carbon transition and are working to drive innovation and collaboration through our value chain to develop and deliver low carbon solutions.

The current reporting period covered by this plan is 1st July 2023 to 30th June 2024.

Original Baseline Year: July 2019 – June 2020

Additional Details relating to the Baseline Emissions calculations.

The data for the emissions sources required by PPN06/21 has been drawn from our verified data set. The AD Construction Group has set a target to reduce emissions by up to 60% by 2035 against a 2019 baseline.

Historically, we have not measured any scope 3 emissions related to staff use of public transport etc. We will look at how we can measure these emission stream with some degree of confidence and ensure a high level of accuracy of this data going forward. We will look at consulting staff on the best way of achieving this.

Our baseline figures have been influenced by the COVID pandemic, staff being furloughed, working from home, and a general downturn in work output during this period. We will seek to adjust our figures once we get a better picture from subsequent data.



Baseline year emissions: July 2019 – June 2020

EMISSIONS	TOTAL (mtCO ₂ e)
Scope 1 (Direct) Fleet Vehicles Fossil Fuels Gas Boilers Office Waste disposal	333.23
Scope 2 (Energy Indirect) Electricity Heating/AC Systems	21.42
Scope 3 (Others Indirect) Site Waste disposal Material purchases Water consumption Staff commuting	539.84
Total Emissions	894.49 mtCO₂e (mtCO ₂ e/£m turnover = 23.85) (*Covid / lockdowns mean this figure is lower than under normal circumstances)

Emissions	Full Reporting Year: July 2022 – June 2023	Current Reporting Year: July 2023 – June 2024
Scopes	TOTAL (mtCO ₂ e)	TOTAL (mtCO ₂ e)
Scope 1 (Direct) Fleet Vehicles Fossil Fuels Office Waste	470.81	79.41
Scope 2 (Energy Indirect) Electricity Heating/AC Systems	16.51	1.91
Scope 3 (Others Indirect) Site Waste Material Purchases Water Consumption Staff Commuting	2.87	0.33
Total Emissions For July – June Period	490.19 (mtCO ₂ e)	81.65 (mtCO ₂ e) (Based on initial Jul – Aug figures)
mtCO ₂ e/£m turnover	8.83 (mtCO ₂ e) TBC	(mtCO ₂ e) TBC



Current Year: July 2023 – June 2024

Commentary on current figures against previous emissions data.

The data for the emissions sources required by PPN06/21 has been drawn from our verified data set. The AD Construction Group has set a target to reduce emissions by up to 60% by 2035 against a 2019 baseline.

Our initial data for July and August, which makes up the first 2 months of our reporting period show that our **Scope 1** emissions dominate our data. Based on these two months, if we continued on a similar output over the next 10 months, we would see an end of trading year figure at around 476 mtCO₂e. This would be slightly higher than our 2022 – 2023 figure. With our **Scope 2** emissions for the first two months at 1.91 mtCO₂e. A similar output over the next 10 months, would see an end of trading year figure at around 11.46 mtCO₂e. This would represent a significant reduction. However, we will need to revisit these figures in the 2nd and 3rd quarters which will be in the autumn and winter periods. Finally, our **Scope 3** emissions for the first two months at 0.33 mtCO₂e. A similar output over the next 10 months, would see an end of trading year figure at around 1.98 mtCO₂e. This would represent a reduction on our 2022-2023 figures. We will continue to monitor our figures and data sources over the next 10 months and take actions as necessary to maintain focus on achieving our ultimate aims.

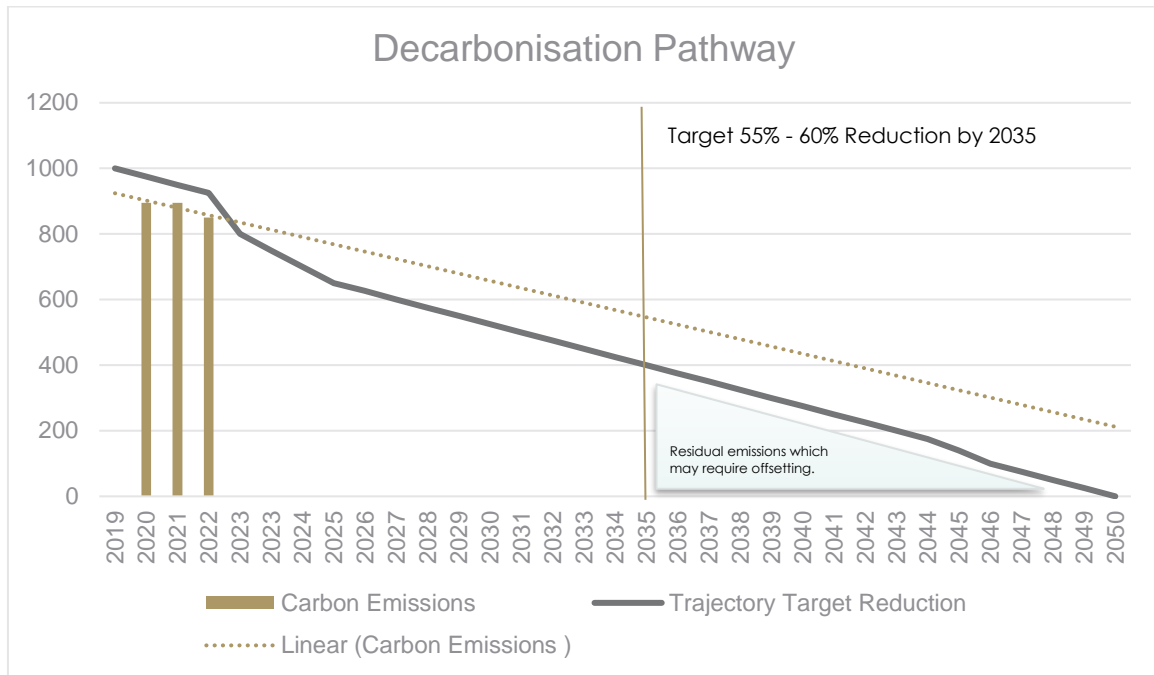
Emissions reduction targets

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

- 85% of our fleet to be fully plugin hybrid/electric vehicles by 2035 (scope 1).
- Against 2019 baseline figure, reduce emissions by 30% no later than end of 2026 (Scope 1 and 2).
- Against 2019 baseline figure, reduce emissions by 70% no later than end of 2035 (Scope 1 and 2).
- 100% renewable energy by 2035 (Scope 2).
- Achieve net Zero across our business operations no later than end of 2050 (1, 2, and 3).

We still believe we can project carbon emissions decreasing to our initial minimum target 410 mtCO₂e by 2026. This is a reduction of **45.80%** against our baseline figure.





Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or are being implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to 404.30 mtCO₂e, approximate 62% reduction against the 2019 baseline (Although the scope 3 figures from our initial will be adjusted once we have our 2023 - 2024 figures and therefore have a three-year average to compare against).

➤ Plastic Waste

- ✓ Black and White printing only Campaign
- ✓ Provision of reusable water bottles to all staff.
- ✓ Use of bulk size purchases of plastic container products / refillable containers.
- ✓ THINK Campaign – Visual campaign using hard hitting images to reinforce the messages introduced by the Black and White Campaign.

IT'S BLACK AND WHITE

Only 1 in 5 plastic bottles are recycled

An estimated 1,500 plastic bottles end up as waste in landfills or thrown in the ocean every SECOND

➤ **Paper Reduction – Jot Forms & SharePoint**

- ✓ Introduction of Jot Forms across the business replacing paper form processes.

➤ **Packaging**

- ✓ AD have requested our suppliers do not use excess packaging and where possible have arranged for packaging collections for reuse.

➤ **Paint**

- ✓ Paint tins are recycled via Dulux re-paint projects and the tin recycling scheme.

➤ **Construction Materials**

- ✓ Materials are purchased in accordance with our sustainable procurement policy.

➤ **Waste Removal and Recycling** (Scope 3, but with ability to control / reduce usage).

- ✓ Working with Waste Management partners to collect waste and monitor the statistics.
- ✓ Desk bins have been eliminated from the office forcing good practice for the proper disposal of items in an appropriate manner.
- ✓ Marketing campaign about waste and its proper disposal to highlight the matter and raise awareness.



➤ **Cleaning and Sanitation**

- ✓ Purchase of larger industrial / commercial size bottles - less plastic production and less waste.
- ✓ Chemical free methods of cleaning.
- ✓ Environmentally friendly product choices and recycling / responsible disposal of packaging.
- ✓ Selection of responsible suppliers of cleaning services.

➤ **Green Champions Accreditation & Supply Chain Sustainability School Training (CPD)**

- ✓ Membership of the Supply Chain Sustainability School.
- ✓ Educational eLearning training for staff to help reinforce our company wide sustainability knowledge and commitment across the organisation.



In the future we hope to implement further measures such as:

- **Energy** (Gas / Electric / Fuel consumption reduction and product / supplier choices)
 - ✓ PIR and energy efficient lighting.
 - ✓ Energy efficient boilers and temperature control.
 - ✓ Installation of solar PV.
 - ✓ Energy efficient product selections.
 - ✓ Move providers for gas and electricity to suppliers of greener energy.
 - ✓ Air Con (HVAC usage / temperature settings / maintenance).
 - ✓ Introduction of fuel cards.
 - ✓ Increase purchase of Electric / Hybrid and low emission fleet vehicles.
 - ✓ Installation of 20no. electric charging stations.
- **Water** (Scope 3, but with ability to control / reduce usage)
 - ✓ Installation of hippos in all toilets.
 - ✓ Provision of reusable water bottles to all staff to prevent use of plastic water bottles while out of the office / travelling to sites etc.
 - ✓ Installation of mains-based low energy use water coolers in the office.
 - ✓ Installation of hot water boilers for hot water (no kettles).
 - ✓ Regular checks for leaks.
 - ✓ Regular maintenance of all appliances.
 - ✓ Site water tanks and monitoring of use in welfare – chemical toilet use.
- **Air Quality – Including Site Activity and Fleet** (Purchases / Fuel / Emissions)
 - ✓ Green fleet policies.
 - ✓ FORS accreditation and training (better driving practices).
 - ✓ Car maintenance monitoring and checks (tyre pressure etc. no unnecessary loads).
 - ✓ Eco driving guidance campaigns (winter and summer based).
 - ✓ Fuel cards and monitoring.
 - ✓ Milage reporting.
 - ✓ Business travel policies (electronic meetings, car sharing and public transport)
 - ✓ Welfare facilities considerations – most CO2e effective selection – mobile units, vehicles, or existing facilities / permanent accommodation.
 - ✓ Materials logistics plans and site storage to reduce deliveries.
 - ✓ Plant hire policies.
 - ✓ Cycle to work scheme.
- **Business Travel Reduction** (Scope 1 fleet / scope 3 public transport)
 - ✓ Use of MS Teams and Zoom wherever possible.
 - ✓ Sign out sheet which logs if public transport was considered / used.
 - ✓ Meetings and events to be held in locations reachable by public transport.



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.

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 the Streamlined Energy and Carbon Reporting (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.

Signed on behalf of AD Construction Group

Richard Gordon CMIOSH
SHEQ Director



July 2023

