

CARBON REDUCTION PLAN 2021 - 2022



November 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 70% against our current baseline figures by 2035. Our carbon reduction plan will be aligned with our financial trading period, which is 1st July – 30th June each year. Our baseline figures have been generated from our 2019 – 2020 financial year and will form the basis for our reduction targets going forward.

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. 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 2021 to 30th June 2022.

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 to 70% by 2035 against a 2019 baseline.

Historically, we have not measured any scope 3 emissions related to staff use of public transport. We will look at how we can measure this emission stream with confidence and ensure accuracy of the 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 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 our 2021-2022 data.



Baseline year emissions:

EMISSIONS	TOTAL (tCO₂e)
Scope 1 (Direct) Fleet Vehicles Fossil Fuels Gas Boilers	333.23
Scope 2 (Energy Indirect) Electricity Heating/AC Systems	21.42
Scope 3 (Others Indirect) Waste disposal Material purchases Water consumption Staff commuting	539.84
Total Emissions	894.49

Current Emissions Reporting

Reporting Year: July 2021 – June 2022 (as of October 2021)

EMISSIONS	TOTAL (tCO₂e)
Scope 1 (Direct) Fleet Vehicles Fossil Fuels	98
Scope 2 (Energy Indirect) Electricity Heating/AC Systems	5.45
Scope 3 (Others Indirect) Waste disposal Material purchases Water consumption Staff commuting	219.26
Total Emissions	322.71



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)
- Reduce emissions to 30% by 2026 (Scope 1 and 2)
- Reduce emissions to 70% by 2035 (Scope 1 and 2)
- 100% renewable energy by 2035 (Scope 2)
- Achieve net Zero across our business operations by 2050 (1, 2, and 3)

We project that carbon emissions will decrease over the next five years to at least 626.14 tCO₂e by 2026. This is a reduction of 30% against our baseline figure.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to 43.12 tCO₂e, approximate 5% reduction against the 2019 baseline.

Below are our initial achievements to date:

➤ 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.

➤ 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



November 2021

