

# Carbon Reduction Plan

Supplier name: Amey Highways Limited

Publication date: 18.11.2024

## Commitment to achieving Net Zero

Amey Highways Limited is committed to achieving Net Zero emissions by 2040.

*Amey is a leading provider of full life-cycle engineering, operations and decarbonisation solutions for transport infrastructure and complex facilities. Amey Highways Limited is a 100% owned subsidiary of Amey UK Ltd which operates within the Highways Sector of Amey’s Transport Infrastructure Business Unit. Our expert teams provide engineering design and whole-life asset management advice, recommending solutions which maximise road capacity, reduce negative environmental impacts and strengthen our infrastructure for a more sustainable future.*

*We design and maintain assets on local and strategic roads, managing over 30,000km of highway for National Highways, Transport Scotland, Department for Infrastructure (NI) and numerous local authorities.*

*Focusing on effective operational delivery, we provide cyclical and reactive maintenance, street lighting and winter maintenance services which keep local communities connected to vital services, enable more reliable journeys and leaving a legacy for future generations.*

*Amey Highways Limited is currently party to Amey’s contract with key clients as detailed in Appendix A and it is these specific activities that the following emissions footprint is based on, whilst our Carbon Reduction Projects and management measures are informed by our wider Highways activities and activities as Amey Group as a whole, as are the management measures that will be in effect when performing the contract.*

## Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

<b>Baseline Year: 2019</b>
<b>Additional Details relating to the Baseline Emissions calculations.</b>
The 2019 baseline detailed below, was calculated using established datasets for Scope 1 and 2 and Category 6 – Business Travel in Scope 3. The remaining Scope 3 Categories in the scope of this Carbon Reduction Plan have been calculated using new datasets and methodologies which were not established within the business before 2021. These were established to ensure we can calculate, monitor and reduce our Scope 3 emissions as an integral aspect of our Net Zero Ambition, which was launched in April 2021. The Carbon Emissions detailed within this Carbon Reduction Plan are calculated in accordance with the GHG Corporate Accounting and Reporting

Standard and the GHG Protocol Scope 3 Technical Guidance. The operational boundary has been set using the Operational Control approach.

**Baseline year emissions:**

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	2,326
Scope 2	2
Scope 3 (Included Sources)	Category 4 - Upstream Transport & Distribution 180 Category 5 - Waste Generated in Operations 128 Category 6 - Business Travel 85 Category 7 - Employee Commuting 1,479 Category 9 - Downstream Transport & Distribution 0 1  Scope 3 TOTAL 1,878
<b>Total Emissions</b>	4,199

**Current Emissions Reporting**

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	4,241
Scope 2	44
Scope 3 (Included Sources)	Category 4 - Upstream Transport & Distribution 337 Category 5 - Waste Generated in Operations 1,224 Category 6 - Business Travel 11 Category 7 - Employee Commuting 434 Category 9 - Downstream Transport & Distribution 0 1  Scope 3 TOTAL 2007
<b>Total Emissions</b>	6,292

**Emissions reduction targets**

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

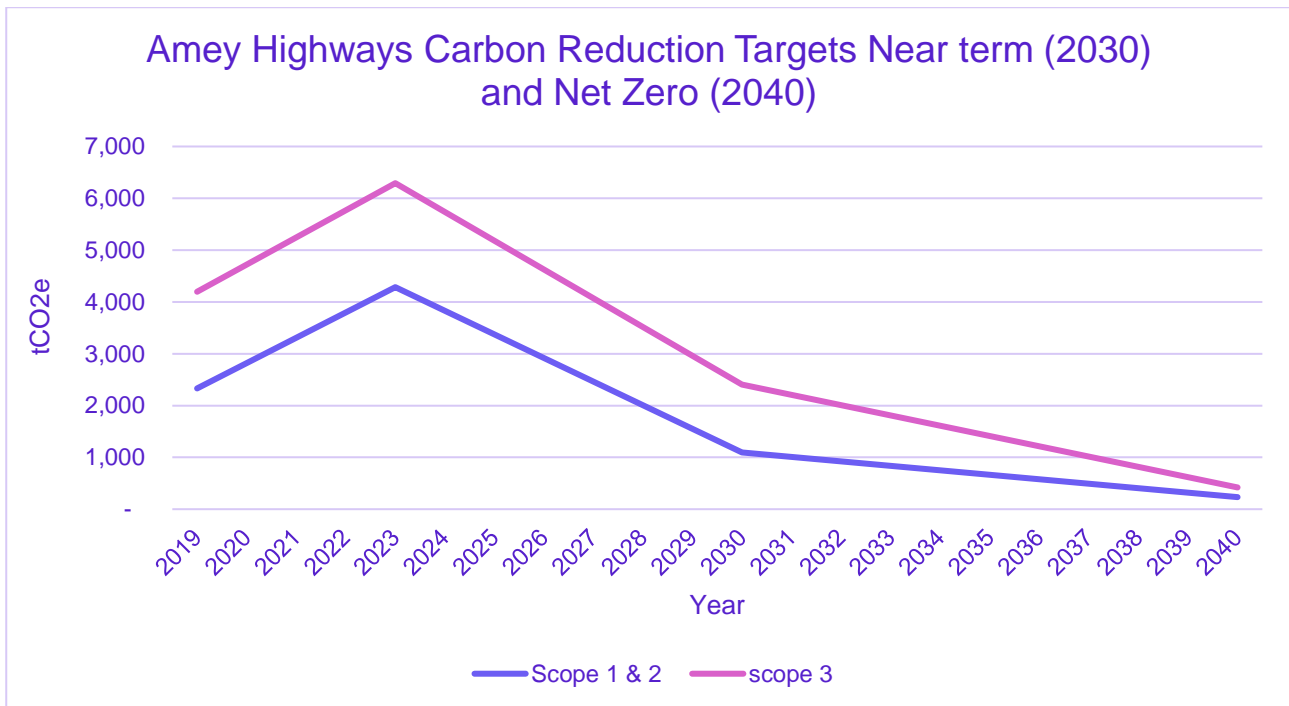
In line with Amey's proposed SBTi targets we will reduce scopes 1 and 2 emissions by 53% by 2030. Amey UK Limited also commits to reduce absolute scope 3 GHG emissions from purchased goods and services, fuel- and energy-related activities, upstream transportation and distribution, waste generated in operations, business travel, employee commuting 30% within the same

timeframe. Amey UK Limited commits to reduce absolute Scope 1 and 2 GHG emissions 90% by 2040 from a 2019 base year.

We project that:

- Scope 1 and 2 carbon emissions will decrease by over the next five years to 1094 tCO<sub>2</sub>e by 2030, This is a reduction of 53%.
- Scope carbon emissions will decrease by over the next five years to 1310 tCO<sub>2</sub>e by 2030. This is a reduction of 30%.

Progress against these targets can be seen in the graph below:



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

To achieve our Net Zero targets we have implemented a detailed [Road Map to Net Zero](#) alongside our [ESG Strategy](#), with our goal to accelerate the change to a resilient and low carbon future delivering long term sustainable value through priority action focused on:

- **Decarbonisation and energy efficiency:** Reduce and optimise the use of energy and natural resources across infrastructure management
- **Nature positive:** Protect biodiversity and enable nature recovery so that it can thrive across the places we work
- **Infrastructure resilience:** Upgrade infrastructure so it can both absorb environmental shocks, and deliver on the energy transition
- **Net Zero organisation:** Getting our own house in order - achieving Net Zero by 2040

Amey Highways Limited is certified to ISO 14001:2015 (Certificate No. EMS 535951) and our environmental management system includes policies, standards, guidance and processes to identify and reduce environmental impacts. It also includes our PAS 2080:2023 Carbon Management process, the implementation of which as Asset Owner/Manager, Designer and Constructor has been independently verified and certified, as are our carbon emissions annually to ISO:14064 Specification for quantification and reporting of greenhouse gas emissions, by BSI as an accredited independent third party.



Our commitment to effective identification, development, and management of collaborative business relationships for decarbonisation is further demonstrated by Amey Highways Limited being certified to ISO 44001 Collaborative Business Relationship (Certificate No. CBR 738863).

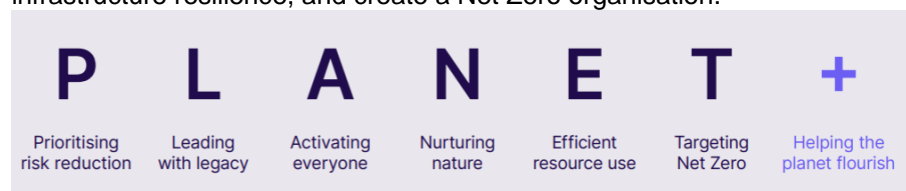


**Our way of working to help the planet flourish**

**Planet+** Our six-point framework for employees to help simplify and elevate great sustainability behaviours and practices.

Activating, educating, and empowering everyone, through a framework that targets barriers and increases environmental awareness so that greener behaviours are easier to achieve. It supports Amey’s mindset that every job is a ‘green job’ and everyone has a unique contribution to deliver sustainability, linked to their day to day roles.

Designed to deliver Amey’s strategic environmental objectives to achieve decarbonisation and energy efficiency, be nature positive, deliver infrastructure resilience, and create a Net Zero organisation.



### Decarbonising our Fleet & Plant

We have introduced an EV First Company Car Policy with 81% of our company car fleet being electric (14% hybrid and only 5% diesel/petrol) in 2024. To enable this transition we have been working with Novuna Vehicle Solutions to assess our work locations and install, operate and maintain EV charge points, with the first being at our Polmadie Depot in Glasgow with Transport Scotland.

We are in the process of transitioning our operational fleet and plant away from traditional fossil fuels, adopting available and suitable low carbon technologies for our operations; with a focus on electric technology for light commercial vehicles and plant (<3.5t) and Hydrotreated Vegetable Oil (HVO) diesel for heavy commercial vehicles and plant(>7.5t), as an interim solution whilst hydrogen and

electric technology develops, working with our partners Novuna and Speedy Hire to trial and adopt long term low carbon solutions as and when they become available.

#### Decarbonising our Winter Service Fleet

Working with vehicle owners and manufacturers, we have transitioned the Kent and Area 10 Winter Service Fleets to HVO and are in the process of transitioning the winter service fleet for Area 7 with National Highways.

#### **Reducing carbon and increasing value across the whole life of buildings:**

Utilising the technical competencies of our in house Facilities and Energy Transition and Sustainability Teams we are working with our clients to determine decarbonisation strategies for the buildings we operate as part of our services, focusing on:

- energy efficiency, behavioural change and data management
- renewable generation
- building fabric improvements
- heat decarbonisation

Continually improving our Net Zero Operational Depot Blue Print developed in line with The Carbon Trust Triple Standard for Carbon, Water & Waste.

#### **Reducing carbon and increasing value across the whole life of highways infrastructure:**

Working with Asset Owners and Product/Material Suppliers we are decarbonising our key procurement categories, undertaking trials as needed and implementing innovation in low impact materials and products. Key focus areas maximising use of recycled materials, trialling Bitumen substitutes (as the main carbon-intensive component of asphalt), maximising use of warm/cold lay asphalts (warm asphalt is now default option), Thermal Road Repair Technology (National Highways Area 7) and Code of practice for tar-bound material recycling taking experience from projects such as A76 ex-situ recycling project, Staffordshire (Western Access Route), and Sheffield (PFI 5 year renewal of all footways and carriageways), working with Transport Scotland, SEPA and ADEPT (Smart Places Live Labs including Gipave (asphalt modifier) with Kent County Council).

#### Contributing to the circular economy

Our materials recycling facility in Staffordshire recovers over 98% aggregate materials from our highway's maintenance operations, which is crushed and screened at our Meece depot into a reusable stone size that we use on the Staffordshire road network. We have also established processes for the recovery of top soil from gully waste. We also operate authorised waste activities to enable better rates of recycling, recovery and reuse of materials from our highways activities in Sheffield, Kent, National Highways Area 12 and across our Street Lighting contracts.

In line with EU Taxonomy for maintenance of roads and motorways we continue to strive for

- re-use or recycling of 100% of non-hazardous waste generated onsite
- 50% of the structural road elements used are re-used or recycled materials or non-hazardous industrial by-products.
- The re-used or recycled materials are not moved over distances greater than 2.5 times the distance between the construction site and the nearest production facility for equivalent primary raw materials.
- binder course has a service lifetime no shorter than 20 years
- The use of primary raw material for road furniture is minimised through the use of secondary raw materials, e.g. metal for steel restraint systems, a maximum of 30% of the material comes from primary raw material

In support of this as part of ADEPT Live Labs 2 we have created a Centre of Excellence for Materials Decarbonisation in Highways with North Lanarkshire Council, partnering with National Highways, Transport Scotland, FHRG, Nottingham University, TRL, MTC (Winner of the Net Zero category at the 2024 Highways UK Excellence Awards).

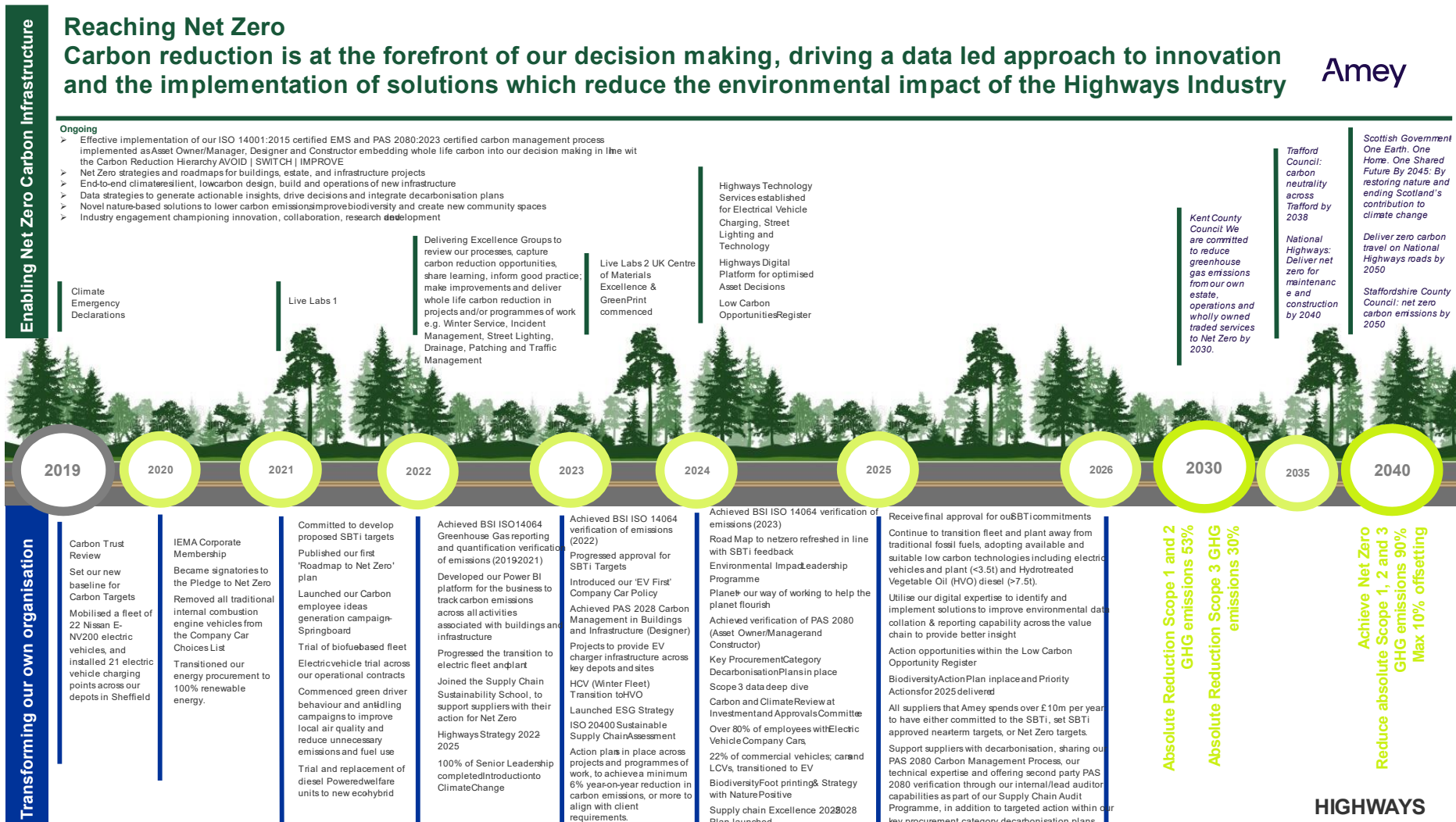
### Contributing to biodiversity

In 2024 we have worked with Nature Positive to undertake a Biodiversity Assessment of our activities and have developed a Strategy and Blue Print for our key activities to inform Biodiversity Action Plans for our highways activities.

We have also carried out a Biodiversity Workshops to determine biodiversity net gain opportunities across our maintenance and response operations for National Highways with the support of our Biodiversity Net Gain Technical Director and National Ecology lead.

The carbon emission reduction achieved by these schemes has been absorbed by the greater emissions which increased by 2,093 tCO<sub>2</sub>e, a 33% increase against the 2019 baseline. The increase is a result of several contracts beginning to operate against the legal entity since the baseline year. Subsequent years will see the reductions because of our roadmap actions detailed below.

The diagram below shows environmental management measures and projects have been completed or implemented since the 2019 baseline, that will be in effect when performing the contract, as well as measures we hope to implement in the future.





## **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 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.

### **Signed on behalf of the Supplier:**

A handwritten signature in black ink, appearing to read "Peter Anderson", is positioned above the printed name.

Peter Anderson

Managing Director, Transport Infrastructure, Amey and active officer for Amey Highways Limited

Date: 18.11.2024



## Appendix A

Amey Highways Limited is a 100% owned subsidiary of Amey UK Limited (the ultimate operating company of the Amey group) which is a member of the Transport Infrastructure Business Unit of the Group and has its own Managing Director and management team who are responsible for the delivery of the service.

Each operating business unit operates in accordance with policies, procedures and authorisation limits set out on a Group-wide basis as adapted to the specific business unit and operating legal entity requirements.

Therefore, Amey Highways Limited trades as Amey that reflects the operational branding of Amey UK Limited and relevant subsidiaries.

Amey UK Limited is owned by private equity funds operated and/or advised by One Equity Partners and Buckthorn Partners LLP.

### **Amey Highways Limited contracted works during reporting period of this Carbon Reduction Plan**

<i>Scotland &amp; NI Highways</i>	<b>Active</b>	
	<i>Inactive</i>	<i>Strategic Trunk Road Unit South East for Transport Scotland Forth Road Bridge for Transport Scotland</i>
<b>Strategic Highways</b>	Active	Maintenance & Response Area 7 for National Highways Maintenance & Response Area 10 for National Highways Amey Traffic Management (internal service delivery)
	<i>Inactive</i>	<i>Asset Support Contract Area 6 for National Highways Asset Support Contract Area 8 for National Highways Amey SRM</i>
<b>Local Highways</b>	Active	Kent Highways for Kent County Council
	<i>Inactive</i>	
<b>Highways Technology Services</b>	Active	Greater Manchester EV for Manchester City Council
	<i>Inactive</i>	