

# Carbon Reduction Plan

Supplier name: **Morgan Sindall Infrastructure** (a division of Morgan Sindall Group and part of Morgan Sindall Construction & Infrastructure Ltd legal entity)

Publication date: **October 2022**

## Commitment to achieving Net Zero

**Morgan Sindall Infrastructure** is committed to achieving **Net Zero emissions by 2030** for its own operations.

## 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: 2020</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
New baseline in relation to net-zero by 2030 trajectory. Baseline from 2016 was used for our science-based targets and we have been reporting our scope 1, 2 and mandatory scope 3 since 2010.	
<b>Baseline year emissions:</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	9,643.68
<b>Scope 2</b>	472.91
<b>Scope 3 (Included Sources)</b>	837.09 (air travel, car travel, electricity (T&D losses), rail travel, waste disposal aggregate materials, water supply)
<b>Total Emissions</b>	10,953.68

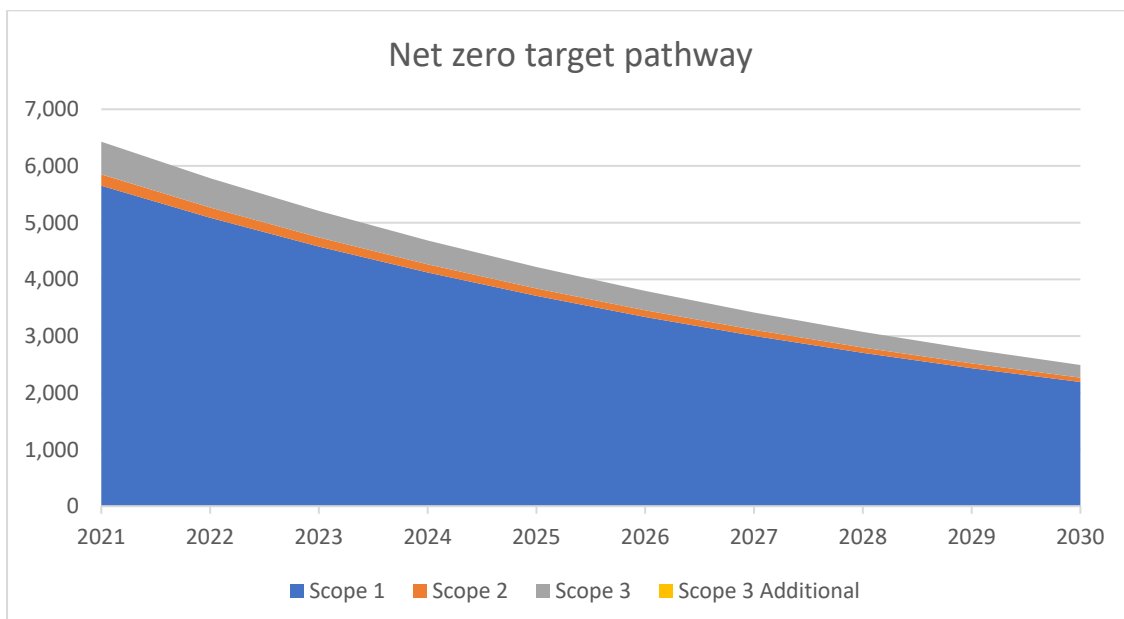
## Current Emissions Reporting

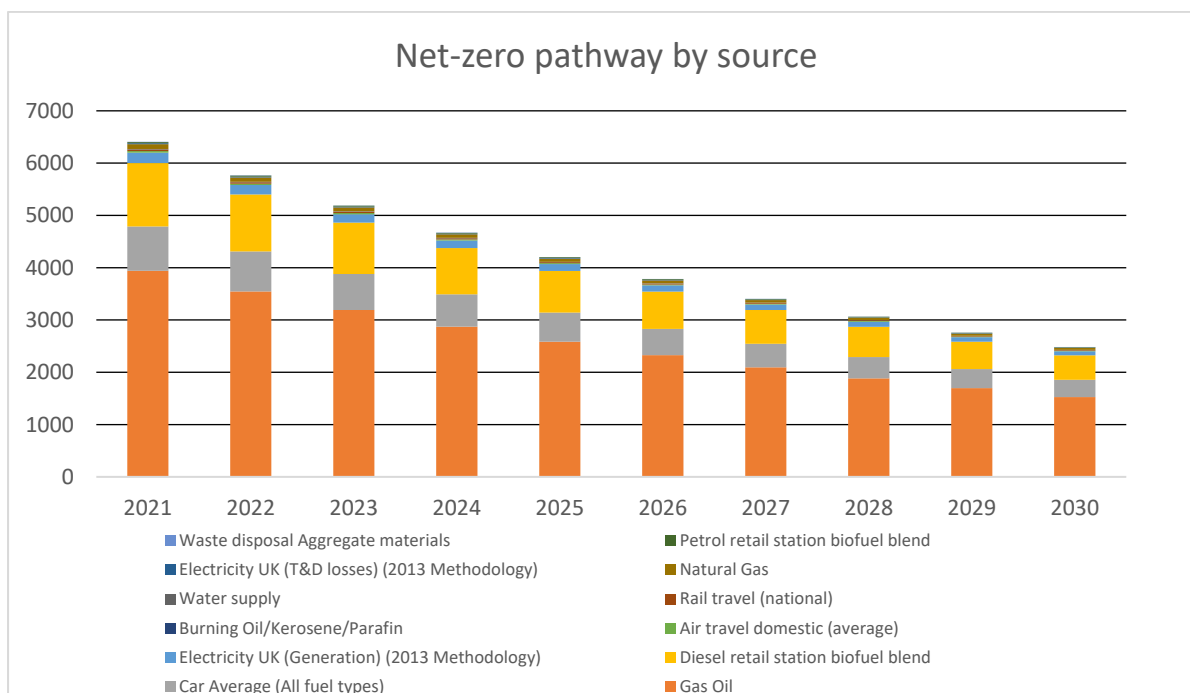
Reporting Year: 2021	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	5,652.46
Scope 2	199.51
Scope 3 (Included Sources)	576.14 (air travel, car travel, electricity (T&D losses), rail travel, waste disposal aggregate materials, water supply)
<b>Total Emissions</b>	<b>6,427.12</b>

## Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to **3,761 tCO<sub>2</sub>e by 2026**. This is a reduction of **41%**.





## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the **2020 baseline**. The carbon emission reduction achieved by these schemes equate to **4,526.56 tCO<sub>2</sub>e**, a **41%** reduction against the **2020 baseline** and the measures will be in effect when performing the contract

- We operate an integrated management system accredited to ISO 14001
- In 2018, we became the first construction company in the world, third in the UK, to implement and have approved Science-based Targets. These were reviewed and resubmitted in 2022 and we are currently awaiting approval.
- 98% of our electricity contracts are Renewable Energy Guarantees of Origin (REGO) contracts – ensuring transparency about the proportion of electricity sourced from renewable generation
- Adjustments were made to our company car policy, removing the option to select petrol and diesel vehicles. This was accompanied by extending the selection of hybrid and EV vehicles, EV charging grants and substantial extension of our EV charging facilities at offices and on our construction sites.
- Introduction of hydrotreated vegetable oil, as an alternative to diesel, for use in our plant and equipment. This was accompanied by our Fuel Free Guidance which offers a hierarchy of reduction to our project teams.
- Introduction of adaptable working, our approach to rethinking and reframing how we work, when we work and what we do to enable perfect delivery. This has reduced business travel for meetings
- Delivery of our Great Green Challenge – an innovation programme which focussed on carbon reduction within nine identified workstreams (focussing on business and industry hotspots). The business continues to develop and implement a number of the presented innovations.

- Capital investment in electric plant, equipment and accommodation including light towers, small plant and welfare facilities.
- Introduction of an internal carbon tax to drive positive behaviour in carbon reduction. The funds raised from the tax are then re-invested in carbon reduction activities and initiatives.
- Roll out of a Personal Carbon Pledge – an e-learning training module that allows colleagues to select carbon reduction targets specific to their job role.
- We have invested in our commercial vehicle fleet by purchasing a number of electric vehicles that will be introduced in late 2022/2023
- Continued development of our in-house CarboniCa carbon measurement tool – helping us to measure our whole life carbon emissions
- Trial of energy harvesting power generation technology – this would be a world first for this type of technology.
- Three major insetting schemes are currently under development:
  - Dorn and Glyme Valley Woodland Creation Scheme has seen over 200,000 trees planted in 2022.
  - Great Northern Bog – rewetting of identified peatland sites
  - RSPB Lakenheath Fen – extension and rewetting of the site

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

- Continued development of in-house carbon calculator tool to drive behaviour change with design
- Develop telematics capability to give real-time fuel usage data
- Continued electrification of vehicle fleets
- Establish Carbon Literacy Project within our in-house engineering business unit
- Develop consistent approach to collection of EPD data for material requisitions to aid development of scope 3 emissions reporting and CarboniCa
- Develop evaluation criteria to identify gaps and areas for improvement within our supply chain, i.e. literacy, equipment, labour/material sourcing

## 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<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

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<sup>1</sup><https://ghgprotocol.org/corporate-standard>

<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>

**Signed on behalf of the Supplier:**



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Simon Smith, Managing Director

Date: ...20 October 2022.....

## Appendix A – Scope 3 emissions commentary

Full assessment of all 15 categories of Scope 3 emissions is periodically undertaken as part of our entire organisational level (Morgan Sindall Group) submissions to the CDP and Science Based Targets Initiative (SBTi).

Work is continuing to improve the accuracy of data for all Scope 3 categories and longer-term net zero targets are set at Morgan Sindall Group level, covering non-operational scope 3 emissions. These targets are in the process of being reviewed by the SBTi as part of our 2022 refresh.

A breakdown of the 5 sub-set scope 3 emission categories required by PPN 06/21 is provided below for Morgan Sindall Infrastructure for 2021.

<b>GHG Reporting Scope 3 Category</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Category 4	3636
Category 5	712
Category 6	543
Category 7	708
Category 9	N/A
<b>Total</b>	<b>5,599</b>