

# Carbon Reduction Plan

Supplier name: Barhale Holdings plc

Publication date: 01 June 2024

## Commitment to achieving Net Zero

Barhale Holdings plc is committed to achieving Net Zero emissions by 2040.

## 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.

Baseline Year: 2018/19	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
The 2018/19 baseline detailed below was calculated using established datasets for Scope 1 and 2 and Scope 3 categories - 5 waste generated in operations, 6 business travel and 9 downstream distribution and transportation. For financial years 2018/19 & 2019/20 Scope 3 emissions reporting were only part complete due to lack of information, from the year 2020/21 Scope 3 emissions reporting was completed in full. The 2018/19 baseline year and subsequent years are validated and approved in line with ISO 14064 Part 1 2018 & Part 2 2019.	
<b>Baseline year emissions:</b>	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	8,748.53
Scope 2	215.08
Scope 3 (Included Sources)	205.46
<b>Total Emissions</b>	<b>9,169.07</b>

## Current Emissions Reporting

Reporting Year: 2022/23	
EMISSIONS	TOTAL (tCO2e)
Scope 1	4519.65
Scope 2	115.10
Scope 3 (Included Sources)	468.61
<b>Total Emissions</b>	<b>5103.36</b>

## Emissions Reduction Results

The below table identifies our emissions reduction results from our baseline year of 2018/19 to our last financial year period 2022/23 showing 44.34% reduction in total gross absolute emissions.

GHG Inventory Results	2018/19	2019/20	2020/21	2021/22	2022/23
Scope 1	8,748.53	6,536.11	4,417.50	3981.56	4519.65
Scope 2	215.08	156.55	171.51	145.83	115.10
Scope 3 Mandatory	42.58	49.79	715.11	796.71	103.18
Scope 3 Additional	162.88	95.55	26.65	24.22	65.13
<b>Total Gross Emissions (Absolute)</b>	<b>9,169.07</b>	<b>6,838.00</b>	<b>5,361.15</b>	<b>4948.35</b>	<b>5103.36</b>
<b>Total Gross Emissions (Intensity Rate)</b>	<b>56.33</b>	<b>48.09</b>	<b>48.88</b>	<b>44.9</b>	<b>42.6</b>

Note: Years indicated above represent our financial year-ends at the end of June.

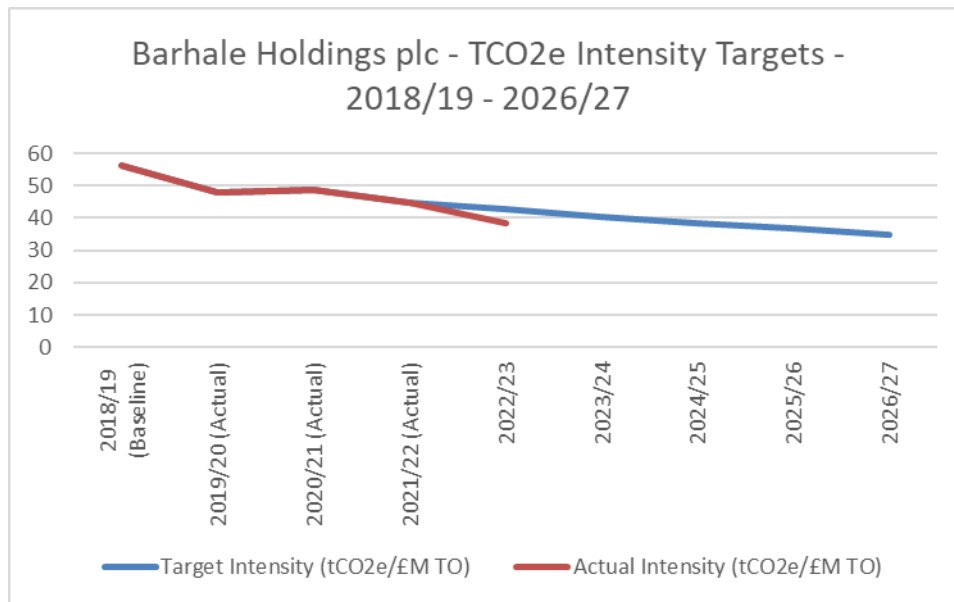
## Emissions Reduction Targets

Barhale have committed to reach Net Zero greenhouse gas emissions across the value chain by 2040.

Due to anticipated growth in project delivery emissions, reduction targets include intensity rate targets based on £/M TO per annum.

In order to achieve Net Zero, we have adopted the following carbon reduction targets –

GHG Carbon Reduction Targets	2023/24	2024/25	2025/26	2026/27
Scope 1	5540	5960	6160	5857
Scope 2	123	132	137	130
Scope 3 Mandatory	430	463	479	455
Scope 3 Additional	62	67	68	66
<b>Total Gross Emissions (Absolute)</b>	<b>6156</b>	<b>6622</b>	<b>6844</b>	<b>6508</b>
<b>Total Gross Emissions (Intensity Rate)</b>	<b>40.5</b>	<b>38.5</b>	<b>36.6</b>	<b>34.8</b>



Note: Red line indicates actual reported intensity rate performance, blue line indicates target intensity rate reduction profile up to financial year end 2026/27.

## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2018/19 financial year. This has led to a reduction in absolute emissions of 4065.71tCO<sub>2</sub>e and equates to a 44.34% reduction against the 2019 baseline.

- Electricity waste reduction through LED lighting and PIR lighting controls;
- Implementation of an 'eco' site set up mandate promoting the hire of energy efficient site welfare; DNO connection where possible; switching to alternative fuels such as low carbon hydrotreated vegetable oil (HVO) saving 505tCO<sub>2</sub>e from our gross carbon emissions totals for the 2022/23 financial year;
- Introduction of Low Emission Vehicles to our company car list; currently 90% of our vehicle fleet is either fully electric or hybrid;
- Installation of EV charging points at fixed locations and use of mobile charging units at site locations;
- Improved employee carbon literacy and engagement in sustainable practices.

### In the future we intend to implement further measures such as:

- Commitment to SBTi
- 100% of our projects will be 'eco' sites;
- Removal of all diesel and petrol cars and vans from our company car list;
- Our internal plant business will invest in and deploy full electric powered plant on our

sites;

- Engagement with our supply chain to better quantify and address our Scope 3 emissions;
- Introduction of PAS 2080 champions and adherence to its guiding principles;
- Identification and adoption of Circular Economy practices;
- Further assist our customers in designing and delivering nature-based solutions.

Barhale has a fully integrated management system and is compliant with the following –

- ISO 14001 Environmental Management
- ISO 9001 Quality Management
- ISO 14064 – 1:2018 Greenhouse gases
- ISO 14064 – 2:2019 Greenhouse gases

## 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>13</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>14</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>15</sup>.

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

Signed on behalf of the Supplier:



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Martin Brown, CEO  
Date: 1<sup>st</sup> June 2024

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<sup>13</sup> <https://ghgprotocol.org/corporate-standard>

<sup>14</sup> <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>15</sup> <https://ghgprotocol.org/standards/scope-3-standard>