

# PPN 06/21 Carbon Reduction Plan.

Supplier name: **McLaughlin & Harvey**

Publication date: **19<sup>th</sup> September 2023**



## Commitment to achieving Net Zero

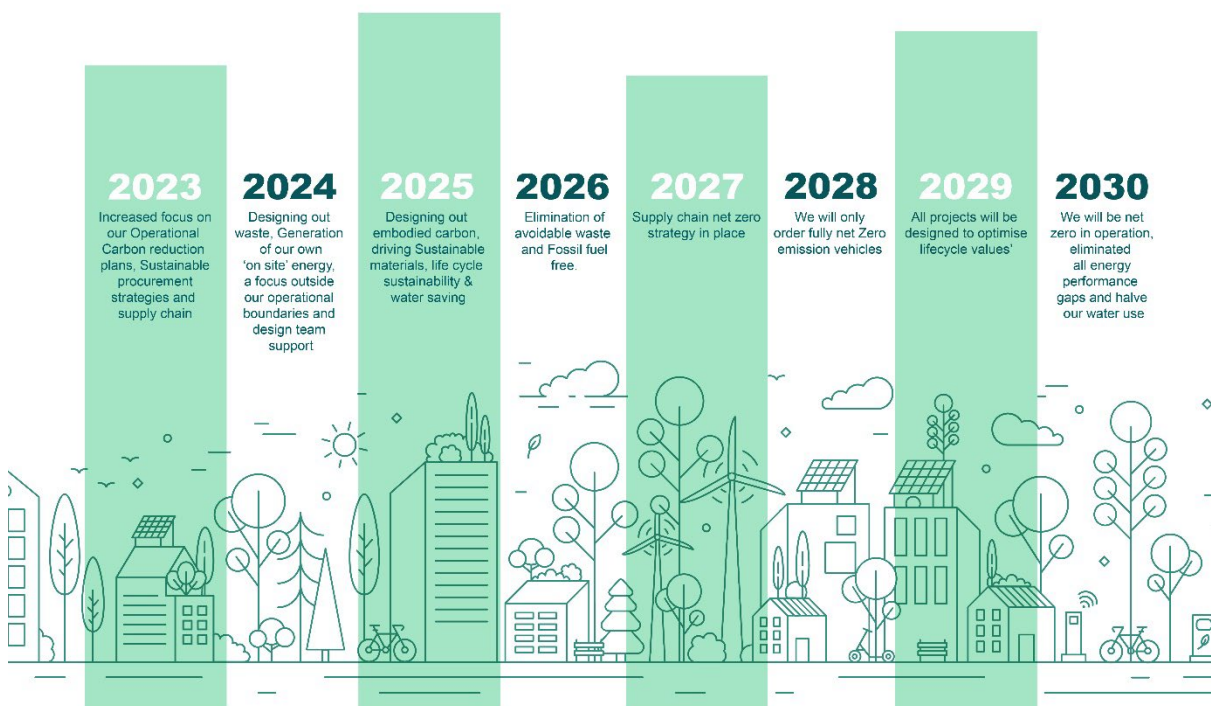
McLaughlin and Harvey are committed to achieving Net Zero in our own operational Scope 1 & 2 emissions by 2030 and Net Zero including our Scope 3 emissions by 2040. We will be carbon negative in removing more carbon from the atmosphere than we produce by 2045.

We know that climate change is the key global challenge of our time, with the construction sector having a significant environmental footprint. In 2022, the sector accounted for the largest share of both global energy use (around 36%) and energy-related CO2 emissions (around 39%)

As an organisation, it's our priority to reduce this year-on-year. Ultimately, not only eliminate it from our business completely by 2040 but go beyond net zero in 2045.

## 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>	
<p>Our baseline year has been set at the financial year ending 2019. The reporting period was verified by external assessors to ISO 14064.</p> <p>The reporting year was chosen as an uninterrupted year of trading prior to Covid 19.</p> <p>This was used to review how emissions were historically measured, the scope allocated and our operational reporting Boundaries across Scopes 1, 2 &amp; 3.</p> <p>As a direct result of this baseline review, we have set clear targets and a Carbon Reduction Plan to eliminate carbon across our defined scopes 1, 2 &amp; 3 completely by 2040.</p>	
<b>Baseline year emissions: 2019</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>10222</b>
<b>Scope 2</b>	<b>498</b>
<b>Scope 3</b> (Included Sources)	<b>4165</b>
<b>Total Emissions</b>	<b>14885</b>

## Current emissions reporting

<b>Reporting Year: 01<sup>st</sup> July 2022 to 30<sup>th</sup> June 2023</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>2005.1</b>
<b>Scope 2</b>	<b>824.94</b>
<b>Scope 3</b> (Included Sources)	<b>10553.2</b>
<b>Total Emissions</b>	<b>13383.24</b>

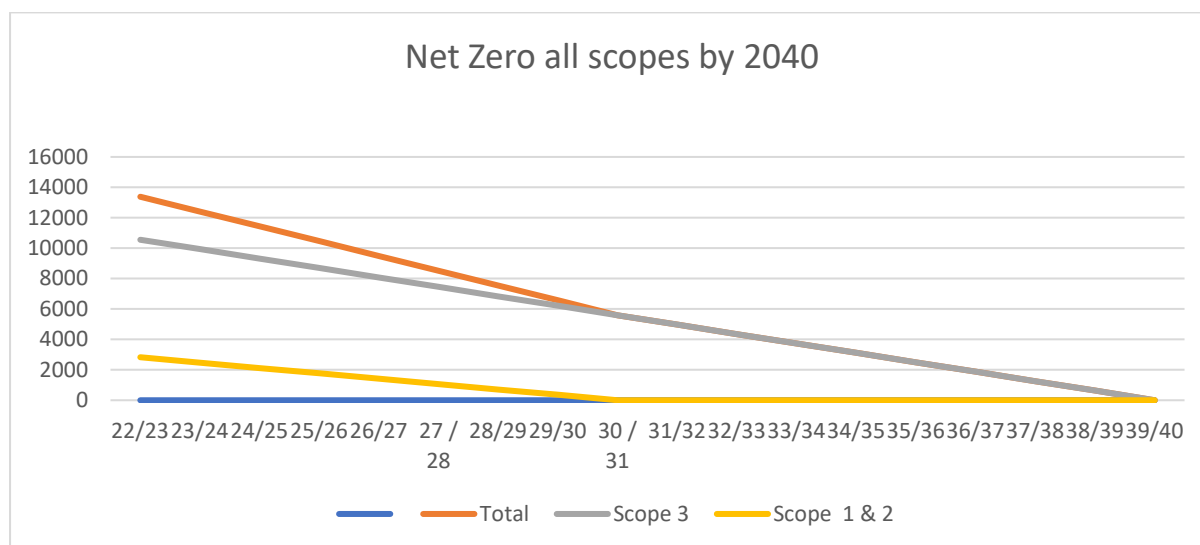
## Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to circa 8698 tCO<sub>2</sub>e by 2028.

This is a total 5-year reduction of 5316 Tonnes Co<sub>2</sub>e at 35%

Our company is committed to reducing Scope 1 & 2 emissions to Net Zero by 2030 and our Scope 3 emissions to Net Zero by 2040.



## Carbon Reduction Projects

Completed carbon reduction initiatives: -

The following environmental management measures and projects have been completed or implemented since the 2019 baseline.

Worthy of note is the Group's significant increase in turnover in 2022 from the baseline year.

The carbon emission reduction achieved by these schemes equates to 7891 tCO<sub>2</sub>e against our Scope 1 & 2 emissions. Over a 70% reduction against the 2019 baseline and the measures will be in effect when performing future project contracts.

- A developed suite of business operational boundaries clearly defining Scope 1, 2 & 3 and in accordance with the GHG protocol
- A partnership with the Supply Chain Sustainability School as Gold Members to educate and upskill our own staff and the supply chain in low carbon and carbon reduction technology and requirements

- Continued partnership with The Carbon Literacy Trust and developing our level of carbon literacy
- Development and implementation of an ISO 20400 sustainable procurement policy
- An enhanced sustainability team and dedicated Head of Sustainability who is accountable for carbon reduction targets, implementation and achievement of the emissions we have committed to
- Investment in life cycle analysis software (One Click LCA) and the education and certification of life cycle assessment, EPD and architect specialists within the business
- A formal hybrid working policy to reduce travel to and staff time in the office and at our facilities
- Phased introduction of green electrical tariffs across the business
- A phasing out of company-owned fossil fuel vehicles and replacement with fully electric vehicles
- The use of bio and HVO fuels on heavy plant to reduce Co2e emissions
- Increase of EV charging points on our sites and offices
- Low energy offices and welfare facilities on our sites
- Undertaken ESOS and retrofit review by specialist consultants on our owned offices and facilities with a view to the removal of fossil fuels for heating, power and cooking

#### Future carbon reduction initiatives

- Implement a salary sacrifice scheme to allow our own staff to commute in zero emission vehicles
- Completely replace existing power supplies to our offices, sites and facilities with green tariff supplies
- Enhance plant and fuel selection procedures to eliminate fossil fuel plant and machinery from all our sites and facilities
- Increase the use of modern methods of construction, lean and off-site manufacture to reduce emissions and further increase quality on site
- Develop off site collaboration technology and our green travel plan to limit technical visits and on-site meetings
- Engage with our supply chain in supporting and educating them to drive down their own scope 1, 2 & 3 emissions and reduce the embodied carbon in our projects
- Further develop our ISO 20400 sustainable procurement policy to maximise local resources and raw materials and drive circularity cradle to cradle through the projects
- Increase on site electrical generation with solar PV and wind power to contribute to the power demand of the construction phase of a project

- Eliminate the use of fossil fuel generators with batteries, emerging technology, flywheels and early procurement of green tariff power supplies
- Eliminate single-use plastic from our offices and sites completely
- Reduce the waste generated on our sites and enhance the current 98% recycled, reused towards a 100% waste-free organisation
- Influence and drive design teams through life cycle carbon assessment and review alongside material selections to reduce the embodied carbon of the projects we are involved with
- Design for Net Zero operational carbon, end of life and circularity on all our projects

## Declaration and sign-off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions have been reported and recorded per the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use 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.

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

### Signed on behalf of McLaughlin & Harvey



Carl Rushton

Head of Sustainability

Date: 19<sup>th</sup> September 2023