

The logo for Laing O'Rourke is centered in a dark grey rectangular box. It features the company name "LAING O'ROURKE" in white, uppercase, sans-serif font. Above the text is a horizontal yellow bar, and below the text is a horizontal red bar.

**LAING O'ROURKE**

Carbon Reduction Plan – FY22

Laing O'Rourke PLC

September 2022

# Carbon Reduction

Supplier name: Laing O'Rourke PLC

Publication date: September 2022

## Commitment to achieving Net Zero

Laing O'Rourke PLC is committed to achieving Net Zero in operational carbon (Scope 1 & 2) by 2030 and become Net Zero company before 2050.

## 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: FY20- Apr 2019 to Mar 2020</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
Laing O'Rourke PLC have been measuring and reducing carbon emissions since it joined the CEMARS program in 2008. We have also had our carbon inventory externally verified by Achilles every year.  This Baseline report serves as the first-year report of GHG emissions covering Scopes 1, 2 and 3 for Laing O'Rourke PLC in relation to PPN 06/21 Carbon Reduction Plan  <b>Laing O'Rourke PLC includes the UK subsidiaries; Laing O'Rourke Delivery Limited, Explore 2050 Engineering, Explore 2050 Manufacturing, Select Plant Hire and Laing O'Rourke Services.</b>	
<b>Baseline year emissions: Apr 2019 to Mar 2020</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b>	<b>17,881</b>
<b>Scope 2</b>	<b>5,469 (Location Based)</b>
<b>Scope 3</b> (Categories 4,5,6,7,9)	<b>20,392</b>
<b>Total Emissions</b>	<b>43,742</b>

## Current Emissions Reporting

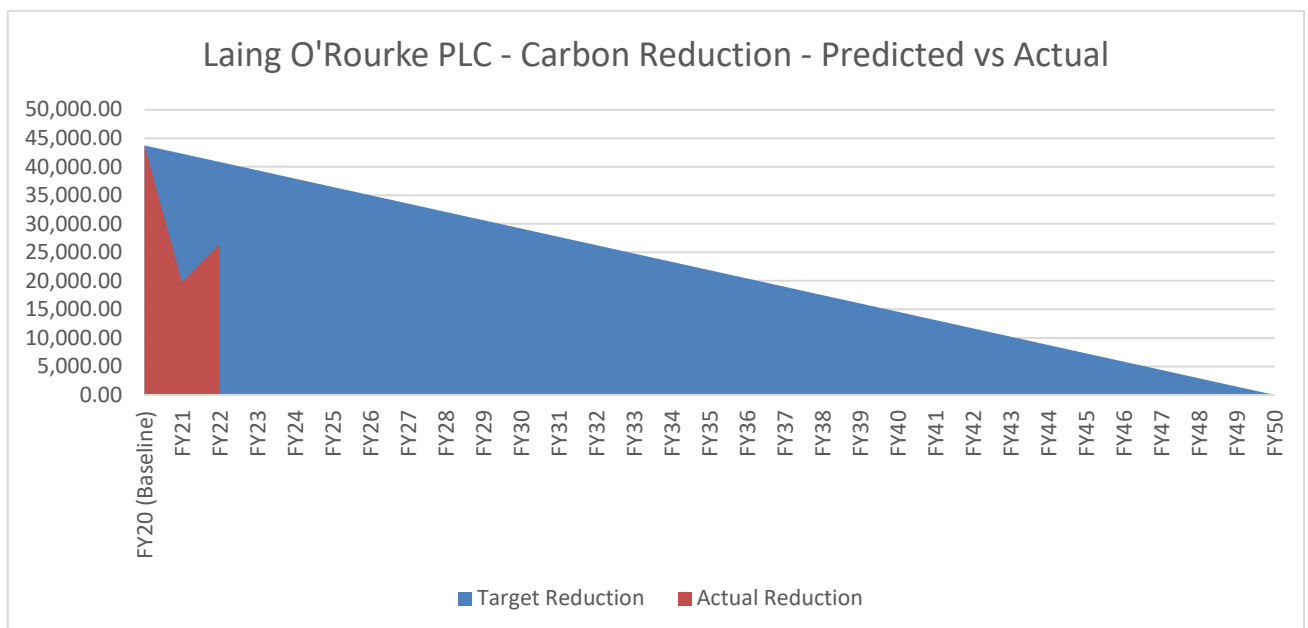
Reporting Year: FY22 - Apr 2021 to Mar 2022	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	11,267
Scope 2	3,406 (Market Based)
Scope 3 (Categories 4,5,6,7,9)	17,282
<b>Total Emissions</b>	<b>31,955</b>

## Emissions reduction targets

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

1. Net-Zero in our operational emissions (Scope 1 & 2) by 2030
2. Net-Zero in all Scopes before 2050
3. We project that carbon emissions will decrease by FY25 to 36,452 tCO<sub>2</sub>e. This is a reduction of 16.67%

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



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019/20 (FY20) baseline. The carbon emission reduction achieved by these schemes equate to 11,747 tCO<sub>2</sub>e, a 26.95% reduction against the FY20 baseline and the measures will be in effect when performing the contract

- We are a Platinum Status participant of the Tiotu Carbon Reduce Program (Formally CEMARS) with our carbon emissions independently verified.
- We continue with 100% Renewable electricity to a REGO backed green energy tariff
- We are continuing to switch the diesel and petrol company car fleet over to Hybrid electric and full electric vehicles.
- We purchased the UK's first fully electric Crawler Crane in 2021 and since then purchased a further 6 fully electric crawler cranes. In addition, we have purchased the world's largest electric powered piling rig.
- We have implemented ISO 14001 Environmental Management and ISO 50001 Energy Management across the business.
- All projects will implement an Environmental and Energy Management plan and implement Energy Action Plans to help reduce energy usage during the works.
- We have begun to phase out fossil fuels to power construction plant by implementing biodiesel / .HVO across our sites.
- We have upgraded our boilers and chillers at our head office in Dartford and completed EV charging infrastructure at a number of our permanent facilities.
- We undertake carbon measurement on every structure that we bid and propose ways to reduce embodied carbon as part of our governance process

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

- Procure further fully electric powered heavy plant for our construction sites
- Complete the phase out of the diesel company car fleet and replace with EV vehicles.
- Investigate Power Purchase Agreements with our energy Supplier
- Install Solar/PV at our manufacturing facilities
- Implement sub-metering on electric supplies to new worksites and depots
- Committed to the SBTi in the near future
- Investigate Hydrogen power for our sites and plant.
- To address the Scope 3 impact on the business, Laing O'Rourke Delivery Limited started sustainability round tables with its key suppliers to address carbon reduction within the supply chain. This engagement will continue with Laing O'Rourke Delivery Limited's wider supply chain. Of note our recent commitment to ConcreteZero. (Committing to increasingly specify lower-carbon concrete).
- Work with our design consultants to develop lower-carbon projects, deploying lean and innovative designs and technologies as appropriate

## 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>4</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>5</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>6</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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Date: 05/10/2022  
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<sup>4</sup><https://ghgprotocol.org/corporate-standard>

<sup>5</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

<sup>6</sup><https://ghgprotocol.org/standards/scope-3-standard>