

Carbon Reduction Plan

Supplier name: *J Murphy & Son Ltd*

Publication date: *11/10/2022*

Commitment to achieving Net Zero

J Murphy & Sons Ltd are committed to achieving Net Zero emissions by 2030. We are signatories for the Science Based Target Initiative “Business Ambition to 1.5 °C”, confirming that we have committed to set a Science Based target that is in line with a 1.5°C future.

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: 2009

Additional Details relating to the Baseline Emissions calculations.

Baseline originally undertaken in 2009 under the certified emissions management and reduction scheme (ISO:14064).

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	31,928.65
Scope 2	2,315.62
Scope 3	822.45 <i>(Inc: Waste disposal, private car business miles, water supply/discharged, and air, rail, taxi and ferry travel.)</i>
Total Emissions	35,066.73

Current Emissions Reporting

Reporting Year: 2021

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	22,637.80
Scope 2	1,353.01
Scope 3	1,788.43 <i>Inc: Waste disposal, private car business miles, water supply/discharged, and air, rail, taxi and ferry travel.)</i>
Total Emissions	25,779.24

Emissions reduction targets

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

- We targeted a 30% reduction in tCO₂e/£m by 2020 against a 2009 baseline and achieved this a year early in 2019. As of 2021 we have reduced our emissions by 43.8%.

- We rebaselined in 2019 and set an improved 50% reduction in tCO2/£m by 2026, in 2021 we achieved a 23% reduction towards this target.
- We have set a target to be Net Zero for operational emissions by 2030 and Net Positive for all sources by 2050.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives: The following environmental management measures and projects have been completed or implemented since the 2009 baseline. The carbon emission reduction achieved by these schemes equate to 43.8% reduction against the 2009 baseline and the measures will be implemented where practicable when performing the contract. **Action taken includes:**

- Improved vehicle / plant efficiency, through purchase of state of the art, environmentally conscious, plant, equipment and machinery for our projects. We're increasing use of innovative low carbon technologies in our offering - including electric, hybrid and hydrogen powered equipment, all available through our "Murphy Green Guide", and we're tracking consumption better as a business so we know where to target. We've since produced an Alternative Fuel Strategy, to map out the most efficient way of fueling our fleets.
- Installation of 20 Electrical car charging points across the UK, in every office, and increased the number of electric / hybrid vehicles in our fleet to cover all grades.
- Focus on waste management leading to increased recycling and reuse rates and continued progress towards our Zero to Landfill ambition. Greater contribution towards a Circular Economy through our focus on Resource Productivity; meaning less waste and energy usage onsite.
- Project efficiencies: Lower project footprints through better planning to remove reliance on fossil fuel combustion – more electrical connections where feasible, efficient deployment of staff, use of local suppliers and remote access meetings.
- Improved energy efficiency in Company offices / site accommodation through efficient generation, alternative fuels strategies and embracing technological advancements.

A GHG emissions management plan and associated reduction targets have been developed. We aim to produce "Net Zero" greenhouse gas emissions by 2030, and "Carbon positive" by 2050 for all emission sources.

J Murphy & Sons Ltd operate an environmental management system certified to ISO:14001 and emissions management to certified to ISO:14064. We have a comprehensive carbon reduction plan in place with a road map of future projects including alternative fuel transition, increasing resource productivity, renewable electricity provision and other project level efficiencies.

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. This Carbon Reduction Plan has been reviewed and signed off by the board of directors:

Signed on behalf of the Supplier:



Date: 11/10/2022