

Carbon Reduction Plan

September 2021



This document has been produced by Sir Robert McAlpine Ltd in response to UK Government PPN 06/21:

“Taking account of Carbon Reduction Plans in the procurement of major government contracts”

The content of this plan is signed off and endorsed by the SRM Executive Leadership Team and Board.

Supplier Name

Sir Robert McAlpine Ltd

Publication Date

30/09/2021

Commitment to Achieving Net Zero

Sir Robert McAlpine is committed to achieving Net Zero emissions by 2045 for its full value chain with an interim Net Zero target for emissions within our direct control by 2025.

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:	2019/20
<p>Additional Details relating to the Baseline Emissions calculations:</p> <p>This first reporting period is to be used as our baseline year for our emissions reduction and reporting against the requirements of the PPN.</p> <p>Our previous baseline calculations were for Scope 1 & 2 emissions. In 2019/20 we revised our footprint boundary to include Scope 3 emissions directly within our control, at the same time implementing a programme of improvements to obtain an accurate dataset for our full Scope 3 emissions. The outputs of this programme will then be used to inform our future emissions reduction targets.</p> <p>Specifically relating to the requirements of the PPN request and the resultant footprint boundary:</p> <ul style="list-style-type: none">- Scope 3, Category 4 - work is underway to assess these emissions as we work towards our 2045 target. However, for the purposes of this response we have included an estimation of these emissions using our internal proxy benchmark which has been created using our available historic dataset.- Scope 3, Category 9 – Not applicable for our business as we deliver fixed assets, therefore there are no emissions associated with the transportation and distribution of sold products. <p>Our 2019/20 financial year (1st November 2019 to 31st October 2020) therefore represented a refocus of our efforts to reduce the emissions associated with our activities and obtain better data to quantify and drive future reductions.</p>	

Baseline Year Emissions

Emissions	Total (tCO ₂ e)
Scope 1	3,961
Scope 2	956
Scope 3 (included sources)	
4. Upstream transportation and distribution	7,080.62
5. Waste generated in operations	16.58
6. Business travel	146.58
7. Employee commuting	1,095.37
9. Downstream transportation & distribution	N/A
Total Emissions	13,256.15

Current Emissions Reporting

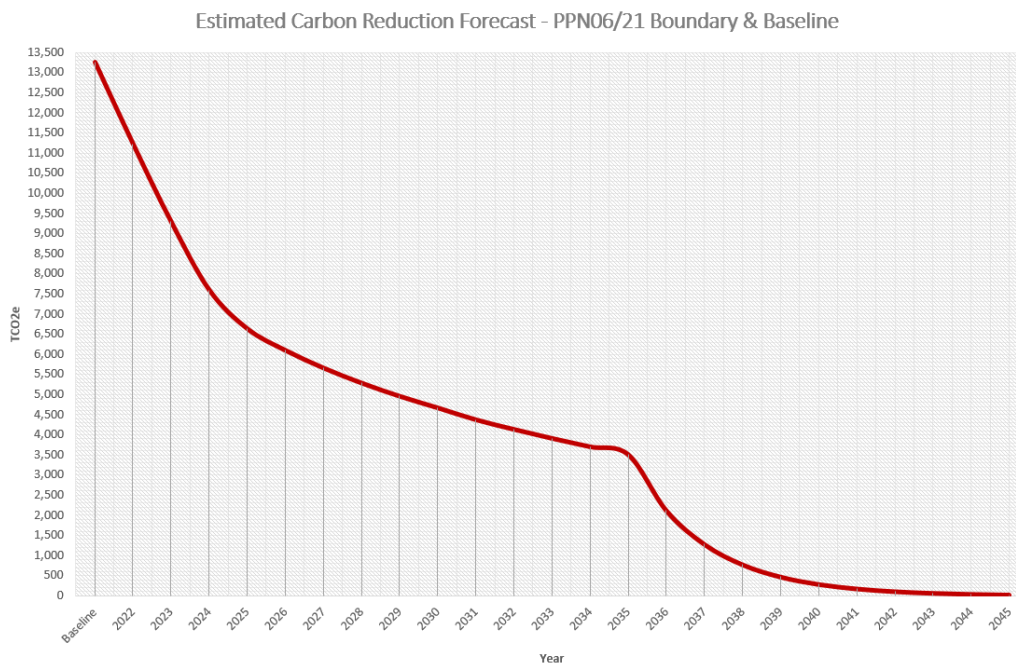
Reporting Year:	N/A – See above, current emissions reporting year is our baseline year.
Emissions	
Scope 1	
Scope 2	
Scope 3 (included sources)	
Total Emissions	

Emissions Reduction Targets

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

- Net Zero Carbon by 2045
- Interim Net Zero Carbon 2025 target for emissions within our direct control – to focus our efforts and ensure we take immediate action
- Annual reduction in absolute carbon emissions against our footprint boundary
- We're currently undertaking an exercise to develop and submit a GHG reduction strategy and targets for the business which is certified by the Science Based Targets initiative (SBTi). The findings and conclusion of this work will impact on our current targets and forecasts, which we will communicate following submission and approval by the SBTi.
- Our carbon reduction policies and practices are evolving to ensure we do all we can to reduce our emissions. We project that the carbon emissions associated with the boundary defined by PPN06/21 will decrease over the next five years to 6,100.8 tCO₂e by 2026. This is a reduction of 54% from our 2019/20 baseline.

Forecast carbon reductions in line with our current decarbonisation programme:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives:












The following environmental management measures and projects have been completed or implemented since the 2019/20 baseline:

- REGO backed renewable energy tariff procured for all our electricity as we look to phase out fossil fuels
- Revision of our company sustainability strategy to focus on carbon reductions to support our Net Zero Carbon commitment
- The company sustainability strategy provides our projects with a list of meaningful actions that are implemented to reduce carbon emissions – meaning that all our projects contribute to our carbon reduction efforts
- Review of our Scope 3 emissions data and monitoring tools (e.g., our delivery management system to capture our Category 4 Scope 3 emissions)
- Automated reporting rolled out to capture Scope 1 & 2 carbon emissions data more efficiently
- Roll out of improved material reporting to better understand the embodied emissions of the materials we procure
- Trials of plant efficiency measures such as flywheels, batteries and hybrid generators
- Third party gap analysis conducted by The Carbon Trust on our carbon accounting and control measures
- Signing up to the Science Based Targets initiative
- Submitted company report for the Carbon Disclosure Project

The carbon emission reductions achieved by these schemes will be quantified, reviewed, and reported in our Annual Review, which will commence following the close of our financial year (31st October 2021).

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

- Following an ongoing trial, we will roll out the use of Hydrogenated Vegetable Oil (HVO) fuel across our operations to reduce our use of traditional fuels and their associated emissions
- Appointing a Company Carbon Manager to oversee development and delivery of our GHG reduction
- Implementing the recommendations from our Science Based Target initiative work
- Development and delivery of Carbon Literacy Programme for our people
- The above is in addition to those listed in our Pathway to Net Zero Action Plan:

Ongoing Work & Action Plan		
Scope 1		
	SRM PAID FUEL	Continue trials of alternative fuels for site use (2021/2022)
		Continue trials of electric plant (2021/2022)
		Investigate plant renewal programme and specify electric/ hybrid options (2021/2022)
	COMPANY CAR	Electric/ hybrid company car and hire car policy (2021)
		Implement company Eco Travel Allowance (2021)
		Revised expenses system to automate reporting of employee business miles (2021/2022)
Scope 2		
	SRM PAID ELECTRICITY	Review dataset and target high energy use projects/ processes (2021)
		Review of estate strategy energy use and implement energy efficient upgrades (2021/2022)
		Set energy intensity benchmarks for our projects and company (2022)
Scope 3		
	WASTE	Implement resource efficiency actions from sustainability strategy across the business (2021)
		Roll out new reporting tool for more accurate and automated data (2021/2022)
	WATER	Review dataset and target high energy use projects / processes (2021)
		Set water use benchmarks for our projects and company (2022)
		Investigate commissioning water use and reduction (2022)
	BUSINESS MILEAGE	Electric/ hybrid staff car ownership scheme (2021)
		Revised expenses system to automate reporting of business mileage (2021/2022)
	MATERIAL EMBODIED CARBON	Roll out Whole Life Carbon tool to develop embodied carbon dataset and reporting mechanisms (2021)
		Embodied carbon action plan for key building materials (2021/2022)
		Establish working group with Clients, Designers, Tier 1 Contractors and supply chain (2021/2022)
		Set an embodied carbon benchmark (kgCO2e/m2) for projects, monitor and report (2024)
	DELIVERIES	Review existing dataset and capture method to ensure consistency (2021)
		Investigate and implement measures to reduce delivery mileage (2023)
	VISITORS	Review existing dataset and data capture method to ensure consistency (2021)
		Mandatory reporting of dataset to benchmark (2022)
	EMPLOYEE COMMUTE	Implement measures to reduce employee commute e.g. flexible working, video/ tele conferencing (2020)
		Review existing dataset and data capture method to ensure consistency (2021)
		Ensure electric vehicle charging infrastructure is installed across our offices and site (2022/2023)
	S/C FUEL	Roll out subcontractor reporting tool (2020/2021)
		Investigate alternative fuel and plant options (2022)

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 (or equivalent management body).

Signed on behalf of the Supplier:



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Simon Richards
Head of Sustainability
Sir Robert McAlpine Ltd

Date: 24th September 2021



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Alison Cox
Board Director
Sir Robert McAlpine Ltd

Date: 24th September 2021