

# Carbon Reduction Plan

Supplier name: ...JN Bentley Limited (Reg. no. 01085646).

Publication date: ...07/07/2023.....

## Commitment to achieving Net Zero

JN Bentley Ltd is committed to achieving Net Zero emissions by 2040. The company has also committed to achieving near term reduction targets for all scope 1 and 2 emissions by 2030.

These commitments cover JN Bentley and include the work done through its subsidiary companies Mott MacDonald Bentley and JBA Bentley Limited.

## 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>		
JN Bentley Ltd has measured and reported carbon emissions since 2020. This reporting has been to the ISO 14064:3 standard. The baseline year data, prior the ISO reporting, has been submitted and validated by the Science Based Target Initiative (SBTi). The data used for the preparation of this plan has been drawn from the verified data set and the validated baseline.		
<b>Baseline year emissions:</b>		
<b>EMISSIONS</b>	TOTAL (tCO <sub>2</sub> e)	
<b>Scope 1</b>	12,309	
<b>Scope 2</b>	4 (Market Based); 213 (Location Based)	
<b>Scope 3</b>	135,606	
	Category 1 (purchased goods and services)	125,281

	Category 2 (capital goods)	5,879
	Category 3 (fuel and energy related activities)	2,890
	Category 4 (upstream transportation and distribution)	Emissions from this category are included within category 1. We are currently working towards improving this calculation approach so that the categories can be reported separately where possible.
	Category 5 (waste generated in operations)	119
	Category 6 (business travel)	Business travel emissions were not recorded in 2019.
	Category 7 (employee commuting)	1,437
	Category 9 (downstream transportation and distribution)	This category is not relevant to our business
<b>Total Emissions</b>	<b>147,919</b>	

## Current Emissions Reporting

<b>Reporting Year: 2022</b>		
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2e</sub>)</b>	
<b>Scope 1</b>	5,904	
<b>Scope 2</b>	0 (Market Based); 108 (Location Based)	
<b>Scope 3</b>	100,046	
	Category 1 (purchased goods and services)	88,877
	Category 2 (capital goods)	6,354

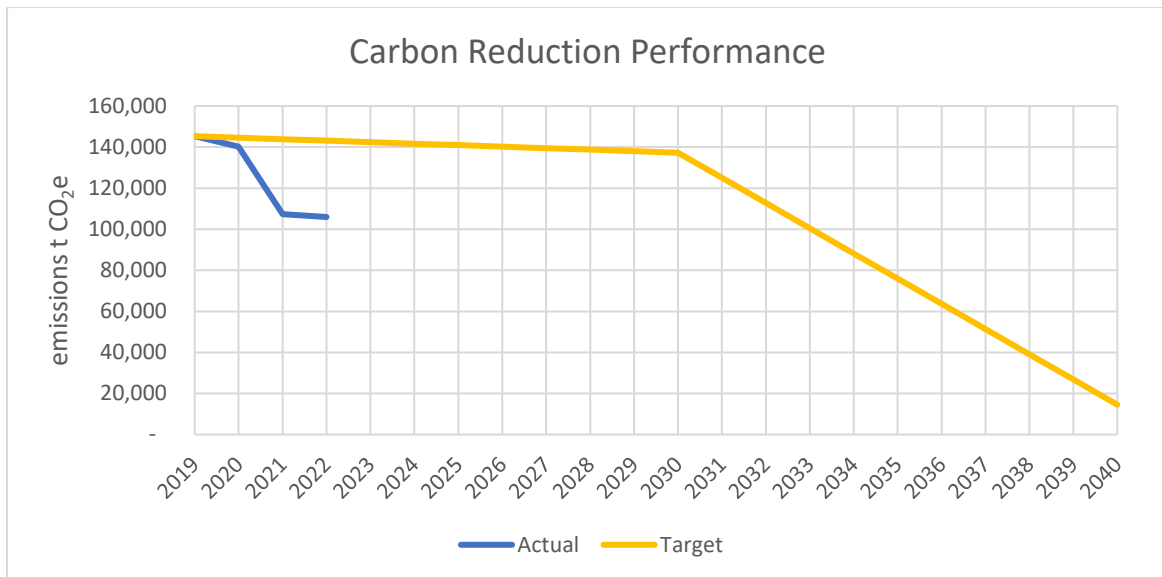
	Category 3 (fuel and energy related activities)	2,039
	Category 4 (upstream transportation and distribution)	Emissions from this category are included within category 1. We are currently working towards improving this calculation approach so that the categories can be reported separately where possible.
	Category 5 (waste generated in operations)	67
	Category 6 (business travel)	2,036
	Category 7 (employee commuting)	673
	Category 9 (downstream transportation and distribution)	This category is not relevant to our business
<b>Total Emissions</b>	105,950	

## Emissions reduction targets

JN Bentley, as part of the Mott MacDonald Group, have committed to reach net zero greenhouse gas emissions across the value chain by 2040 from a 2019 base year. The SBTi have validated the following near and long-term, science-based, emission reduction targets.

- Long Term
  - Mott MacDonald Group is targeting a 90% absolute reduction of emissions in scopes 1, 2 and 3 by 2040 from the 2019 baseline.
- Near Term
  - Mott MacDonald Group is targeting a 46.2% scope 1 and 2 emissions reduction by 2030 from the 2019 baseline.
  - Mott MacDonald Group targets an absolute reduction in scope 3 emissions from fuel and energy related activities, waste generated in operations, business travel and employee commuting by 28% by 2030.
  - Mott MacDonald Group also targets that 70% of its suppliers by spend covering purchased goods and services, capital goods, and upstream transportation and distribution will have science-based targets by 2027.

JN Bentley has achieved a 28% reduction in our emissions in 2022 compared to the 2019 baseline. Progress against 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 baseline and the measures will be in effect when performing the contract.

- Updated our near-term targets and validated our long-term net-zero target in line with the Science Based Targets initiative (SBTi) Net-Zero Standard
- Continued to reduce our carbon emissions in line with our science-based targets
- Certified ISO 14001: Environmental Management
- Certified ISO 14064: Greenhouse Gases – Part 3
- Certified PAS 2080: Carbon Management in Infrastructure (Design)
- Introduced the use of low carbon hydrotreated vegetable oil (HVO) on construction sites

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

- Work in accordance with the PAS 2080: Carbon Management in Infrastructure (Constructor)
- Improve our low carbon procurement approach
- Introduce further low carbon site set up options
- Implement journey management procedures to prioritise public transport
- Introduce our Electrification Roadmap for company vehicles
- Further training on carbon and energy awareness

## 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>1</sup>

<sup>1</sup><https://ghgprotocol.org/corporate-standard>

and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</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>3</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:**

..... J. TETLOW .....

Date: .....7<sup>th</sup> July 2023.....

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<sup>2</sup><https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>  
<sup>3</sup><https://ghgprotocol.org/standards/scope-3-standard>