



# Carbon Reduction Plan

Year ending March 2022

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## Version control

Version number	Date published	Description	Updates from previous	Approval
1.0	October 2021	Document first published publicly – baseline figures 2019	N/A	Andy Holmes, Commercial Services Director
2.0	January 2022	Added scope 3 detail following new information from waste provider	Scope 3 waste figures updated Waste provider initiative updated	Andy Holmes, Commercial Services Director
3.0	April 2022	Annual major update	All figures updated from GHG tool Addition of correction/addendum panel Introduction of new Jumar branding General annual progress updates	Andy Holmes, Commercial Services Director
3.1	June 2022	Minor amends following CCS presentation	Speedread for public procurement added Signature formalised with Signable General updates to breakdown of totals for clarity Added clarity of group ownership	Andy Holmes, Commercial Services Director



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## Quick reference for Public Sector procurement professionals

The information required in the PPN 06/21 reporting template can be found at:

- **Commitment to achieving Net Zero** – page 4
- **Baseline Emissions Footprint** – see 2019 column on page 10
- **Current Emissions Reporting** – see right-hand-most populated column on page 10
- **Emissions reduction targets** – see the targets section on page 9
- **Carbon Reduction projects** – see the list of initiatives on page 11
- **Declaration** – see page 12



## Introduction

Throughout our history, Jumar has always endeavoured to be an ethical provider of IT solutions and services, and places great pride on the culture of 'doing the right thing'.

We recognise that we have a place, not only within our industry, but in the community and the lives of those we employ and provide opportunities for.

Our commitment to this Social Value has been enhanced by our involvement in charities, STEM activities, community groups and, most recently, our adoption of the National TOMs for Social Value measurement and auditing – a framework that includes our environmental impact monitoring and commitment to carbon reduction and Net Zero.

We are also a signatory to the SME Climate Hub Commitment.

This document covers various environmental elements of our wider Social Value remit, and builds on our existing carbon reduction policies and ethical trading principles.

As an office-based supplier of IT related services, our environmental impact has been low compared to businesses of a similar size who either produce goods, consume large amounts of products in the course of running their business or who have a significant business travel overhead. Our supply chain is small and lacks complexity, and we produce little waste. Despite this, we are constantly mindful of our environmental impact, and have introduced numerous initiatives to continue to mitigate this.

Our carbon reduction plan details these initiatives alongside baseline measurements and reporting for Scope 1, Scope 2 and elements of Scope 3 emissions.

To aid comparison, our environmental reporting is carried out on a financial year basis, and the year declared begins in April of that year and runs until March of the following year. E.g. The year "2019" as declared, covers April 2019 to March 2020.

The baseline year used in this report is 2019, and reflects the most recent year of 'normal' operation before the Coronavirus pandemic.

The most recent reporting year is 2021, which covers the period up to (and including) March 2022. Figures are for UK operations.

The meaning of Jumar in this document is Jumar Solutions Limited and Jumar Technology Limited – companies with the common parent, Jumar Holdings Limited, which wholly owns each company.



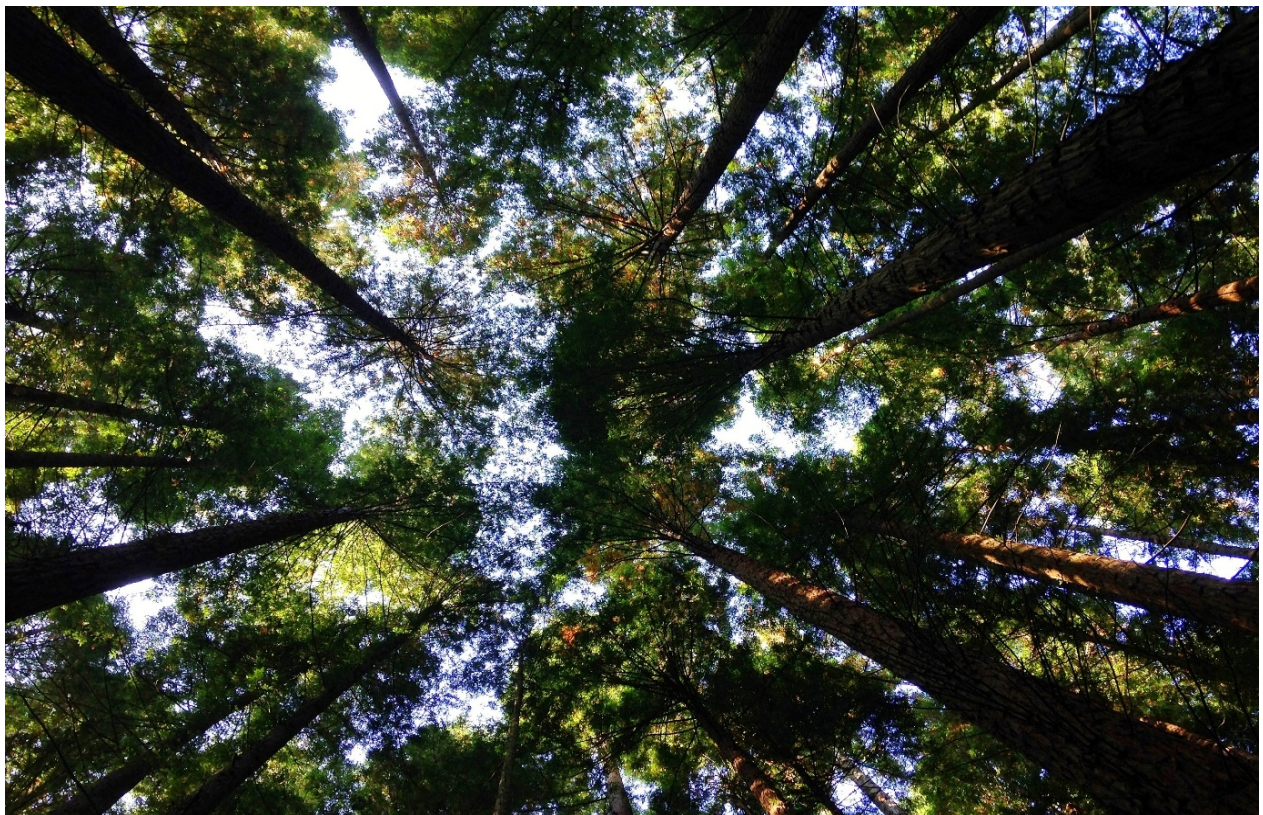




## Net Zero commitment

Jumar is committed to the reduction of carbon emissions and to achieving Net Zero by 2050. It will, however, strive to do so way in advance of this deadline. To achieve this, Jumar will:

- Follow the protocols and processes in the SME Climate Hub commitment (signed November 2021)
- Continue to monitor and report carbon emissions as part of its wider environmental initiatives (in line with the GHG protocol), and also its ongoing Social Value project
- Implement a wide range of practical, measurable processes to reduce emissions and proactively enhance the environment
- Engage all employees in the process (the company's Social Value Committee was created in 2022)
- Ensure that members of its supply chain are aware of their obligations, and require that suppliers and partners uphold the same commitment
- Report regularly on targets, progress and compliance
- Aspire to a 10% year-on-year reduction in total emissions to provide a SMART target (post-COVID) to measure against prior to 2030.





## Emission reporting

Jumar is reporting its emissions as calculated using the Greenhouse Gas Protocol GHG Emissions Calculation tool with emission factors from the DEFRA “UK Government GHG Conversion Factors for Company Reporting” dataset.

### Scope 1 Emissions

As specified in the GHG reporting tool, the following measures are monitored:

#### Stationary Combustion

This is the emissions from natural gas used in the heating system at Jumar’s office building.

#### Mobile Combustion

This is not included in this report as Jumar does not run a fleet of vehicles. Business Travel is accounted for in Scope 3.

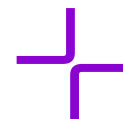
#### Refrigerants

While Jumar has limited use of refrigerants, metrics surrounding its air conditioning systems are taken into account in these calculations. However, as these have not required recharging during the period of this report, these are currently reported as zero.

#### Scope 1 totals

Year	CO <sub>2</sub> (tonnes)	CH <sub>4</sub> (tonnes)	N <sub>2</sub> O (tonnes)	TOTAL CO <sub>2</sub> e (tonnes)
2019 (Baseline)	14.741	0.0002778	0.0000278	14.757
2020	13.122	0.0002473	0.0000247	13.136
2021	14.409	0.0002716	0.0000272	14.424

Custom emission factors have not been used, standard dataset is EPA, “Emission Factors for Greenhouse Gas Inventories,” Table 1 Stationary Combustion Emission Factors, March 9, 2018 (as automatically selected in the latest version of the GHG reporting tool)



## Scope 2 Emissions

This covers purchased electricity, which during the current reporting period is from suppliers who declare zero carbon emissions (certificates have been requested at the time of writing). These are declared as zero 'Market Based' factors. However, the Government's 'Environmental reporting guidelines' require that Scope 2 electricity emissions are also reported using location-based grid average emissions factors. These are included in the reporting – and will be used as a basis to discourage unnecessary electricity consumption generally, regardless of its carbon neutrality.

Year	Custom Emission Factor	CO <sub>2</sub> (tonnes)	CH <sub>4</sub> (tonnes)	N <sub>2</sub> O (tonnes)	TOTAL CO <sub>2e</sub> (tonnes)
2019 (Baseline)	Market based	0.00000	0	0	0
2020	Market based	0.00000	0	0	0
2021	Market based	0.00000	0	0	0
2019 (Baseline)	Location based (DEFRA)	11.25692	0.0288548	0.06081704	28.18137336
2020	Location based (DEFRA)	6.32980	0.01972584	0.03780786	16.9012093
2021	Location based (DEFRA)	5.88490	0.0224016	0.03836274	16.67827122

## Scope 3 Emissions

These emissions cover a subset of the 15 categories defined under Scope 3 emissions. Namely:

- Business Travel
- Employee Commuting
- Waste generated in operations
- Downstream T&D
- Upstream T&D

No other categories in this Scope are relevant to the services provided by Jumar, or cannot be accurately reported upon. However, the ability to report on any small effects of this scope are under constant review, and will be added to this document when relevant.



### Transportation (Business Travel and Employee Commuting)

This includes all business mileage from:

- Road
- Air
- Rail
- Employee commuting by car

Individual breakdowns of these are available if required, and will be used in the planning for decreasing emissions in this area on a more granular level.

In the following figure, employee commuting contributes a significant percentage of the following overall totals.

Year	CO <sub>2</sub> (tonnes)	CH <sub>4</sub> (tonnes)	N <sub>2</sub> O (tonnes)	TOTAL CO <sub>2</sub> e (tonnes)
2019 (Baseline)	187.064	0.000141	0.001276	187.4061
2020	27.42895	1.27E-05	0.000164	27.47276
2021	23.602346	2.38E-05	1.432E-04	23.641

### Waste Generated in Operations

Jumar switched waste disposal provider in 2020 to add dry mixed recycling to form part of the waste collection provision.

The figures below are based on data from the waste disposal provider. This supplier confirms that non recycled waste is sent to landfill, which incurs a higher emission factor. Suppliers will be reviewed to assess the viability of suppliers who may use more environmentally advantageous methods.

Year	Re-use kg CO <sub>2</sub> e	Open-loop kg CO <sub>2</sub> e	Closed-loop kg CO <sub>2</sub> e	Combustion kg CO <sub>2</sub> e	Composting kg CO <sub>2</sub> e	Landfill kg CO <sub>2</sub> e	Anaerobic digestion kg CO <sub>2</sub> e
2019	No data available from provider						
2020	0	0	0.004306	0	0	0.210761	0
2021	0	0	0.003002	0	0	0.221847	0





### Downstream transportation and distribution

Jumar has historically considered this to be a nil return, in that its downstream delivery of services does not include any tangible movement of goods. Recent innovations in technology, however, have enabled the provision of certain data from the use of, for example, cloud-based hosting and application development environments (data centres), to give a carbon footprint measurement and TCO metrics. It was hoped that this would allow reporting from year 2022 onwards of the impact of moving software and applications to cloud/SaaS platforms, and the inevitable savings this delivers over on-premise hosting. This has proved to be prohibitive, due to the way in which Microsoft disseminates data through its network of distributors, meaning that Jumar's figures are not isolatable from other clients of our distributor.

During the Coronavirus pandemic, Jumar's IT department instigated a 'cloud-first' programme of moving away from physically hosted infrastructure, and it is hoped that this can be quantified as reporting becomes available.

To that end, the reporting of this category remains a nil return, with the intention of enhancing these measures from 2022 onward (supplier permitting) to take into account the initiatives above. For the purposes of this scope, baseline of 2019 will be replaced with a more meaningful measure when and if available.

Year	CO <sub>2</sub> (tonnes)	CH <sub>4</sub> (tonnes)	N <sub>2</sub> O (tonnes)	TOTAL CO <sub>2</sub> e (tonnes)
2019*	0.00000	0	0	0
2020*	0.00000	0	0	0
2021*	0.00000	0	0	0

\* see explanation above

### Upstream transportation and distribution – (including purchased goods and services and capital goods)

Data is not available for this reporting period, however, this is an area where analysis and measurement has commenced. The lack of a standard, reliable set of EEIO emission factors for the "spend-based method" as detailed in the GHG protocol has prevented data being included in this version of the report. Its viability will continue to be investigated.

While this element is expected to contribute a negligible amount towards the total carbon footprint, new ways of working (including home and remote) and the need to transport physical items more than previously, have driven the inclusion of this measurement in the carbon reduction plan.

Initiatives will be undertaken to monitor the scope and delivery distance of items procured by the company – as well as any relevant environmental metrics from the production and/or recycling of these items.

### Corrections and methodology updates from previous document versions

It was identified that a minor error in the raw data calculations for stationary combustion (gas usage) resulted in minor annual variations in correction factor/calorific values not being applied consistently. This has been rectified in this document (including historic figures) and has resulted in insignificant variation.

A rounding error led to an inaccurate electricity consumption figure for one of three meter readings in 2021. This has also been corrected retrospectively in this document.

Upon receipt of the first complete two years' waste disposal tonnage, it was identified that the DEFRA emissions document reports kilograms instead of tonnes for its conversion factor. The Scope 3 waste disposal figures have been amended to accommodate this difference in conversion factor, so all emissions are measured in tonnes.



## Progress since last report

Since the end of the previous reporting period, Jumar has taken advantage of its previous gas supplier being replaced by OFGEM by a Supplier of Last Resort (SOLR). The SOLR was unable to provide credible environmental credentials, and so an alternative was sought, which provides certificates (RGGOs) for renewable gas supplies.

The company's electricity supply was also moved in February 2022 (planned as part of its contract renewal cycle) to a 100% renewable provider.

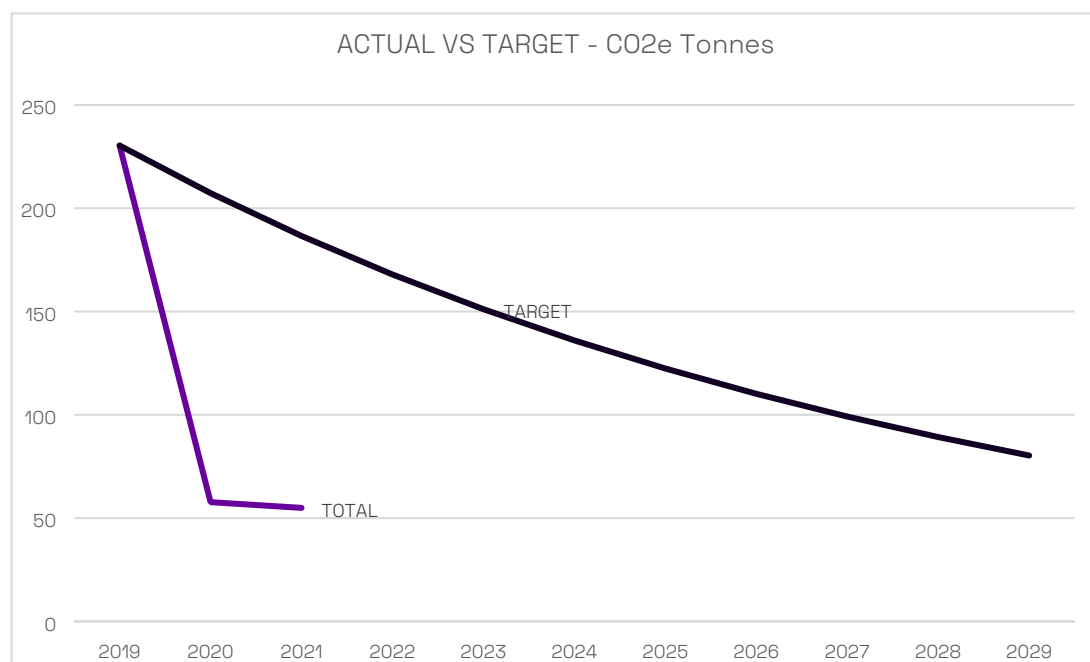
The company's social value committee continues to investigate various environmental initiatives as part of the National TOMs framework. Additionally, now that three years of meaningful data has been harvested, then Jumar's Senior Management Team will meet in Q1 of FY22 to analyse the data and investigate options for improvement.

## Targets (rolling and ultimate)

In line with the aspiration outlined at the beginning of this document, Jumar will aspire to a 10% year-on-year reduction in its emissions in the period to 2030 to provide a working target to focus its efforts to achieve NetZero by 2050.

Noting that there will be an inevitable 're-balancing period', post-COVID as hybrid working becomes more prevalent, this will account for an exceptional dip at the start of the period. While the target may appear to already have been achieved, future increases are possible and will be monitored.

These rolling targets do not affect our commitment to achieve Net Zero by 2050, but provide ongoing focus to enable us to do so.





## Breakdown of totals -CO2e (tonnes)

Scope	Activity Type	Year (start of period)				
		2019	2020	2021	2022	2023
Scope 1	Stationary combustion	14.76	13.14	14.42	0.00	0.00
	Mobile combustion	0.00	0.00	0.00	0.00	0.00
	Fugitive emissions from air-conditioning	0.00	0.00	0.00	0.00	0.00
	<b>Scope 1 - Total</b>	<b>14.76</b>	<b>13.14</b>	<b>14.42</b>	<b>0.00</b>	<b>0.00</b>
Scope 2	Purchased electricity - location based	28.18	16.90	16.68	0.00	0.00
	Purchased electricity - market based	0.00	0.00	0.00	0.00	0.00
	Purchased heat and steam	0.00	0.00	0.00	0.00	0.00
	<b>Scope 2 - Location based + heat and steam</b>	<b>28.18</b>	<b>16.90</b>	<b>16.68</b>	<b>0.00</b>	<b>0.00</b>
	<b>Scope 2 - market based + heat and steam</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Scope 3	Upstream transportation and distribution	0.00	0.00	0.00	0.00	0.00
	Waste generated in operations	No data	0.22	0.22	0.00	0.00
	Business travel	71.66	17.19	9.84	0.00	0.00
	Employee commuting	115.8	10.29	13.80	0.00	0.00
	Downstream transportation and distribution	0.00	0.00	0.00	0.00	0.00
	Purchased goods and services	Not relevant or not currently reported				
	Capital goods					
	Fuel-and energy-related activities (not in scopes 1 or 2)					
	Processing of sold products					
	Use of sold products					
	End-of-life treatment of sold products					
	Downstream leased assets					
	Franchises & Investments					



## Environmental measures and carbon reduction initiatives

Jumar has always recognised that it has a responsibility to the environment beyond legal and regulatory requirements and is committed to minimising the impact of our activities on the environment. We will meet or exceed all the environmental legislation that relates to the Company.

The introduction of this Carbon Reduction plan will allow us to measure and monitor the success of this ethos, and drive specific measurable initiatives to continue to enable us to meet Net Zero targets and carbon reduction objectives.

- Signing up to the SME Climate Hub commitment to carbon reduction and Net Zero and adhere closely to its obligations – as well as reporting progress against targets. This includes a commitment to halving greenhouse gas emissions by 2030, which will be achieved by the initiatives in this section.
- Reducing business travel, where possible, recognising that this is the largest contributor to emissions as part of this study.
- Continuing the company's 'cloud first' programme of moving technology away from on-premise locations and into the cloud, where economies of scale and environmental benefits of large data centres can be realised.
- Adopting a new supplier of 100% renewable electricity and gas in 2022.
- Encouraging reduction in electricity usage across company premises to reduce the Scope 2 location-based emission factors (current market-based factors are zero).
- Replacing current gas provider with greener alternative following appointment of SOLR in November 2021.
- Maximise potential of (for example) Microsoft Sustainability Calculator for Azure and TCO Calculator to understand power consumption of technical solutions.
- Minimise the use of paper in the office, buy recycled and recyclable paper products and reuse/recycle all paper where possible.
- Continue to utilise provider of mixed recycling waste disposal, and actively investigate non-landfill supplier of other waste in 2022, following completion of reporting year.
- Reduce the amount of energy used as much as possible; lights and electrical equipment will be switched off when not in use and the energy consumption and efficiency of new products will be taken into account when purchasing. Investigation of smart heating controls to be conducted as a priority.
- Purchase more environmentally friendly and efficient office equipment and supplies and reuse and recycle everything we are able to.
- Where recycling is not an option, we will ensure that our waste is disposed of in a way that minimises its impact on the environment and use only licensed and appropriate organisations to dispose of waste.
- Manage and reduce internal and client-facing travel.
- Determine viable protocols for measuring the impact of home working.
- Instigate ISO14001 accreditation during 2022.





## Reporting period

The baseline period has been agreed by the Senior Management Team at Jumar to commence in 2019 as allowed and recognised under the Government-approved SME Climate Hub.

Jumar is reporting emissions on a financial year basis (the most recent being 2021-2) to provide a more meaningful metric upon which any comparison can be made, by minimising the skewing of figures due to the working from home culture inherent in the 2020 Coronavirus pandemic.

## Declaration

Version 3.1 (June 2022)

This Carbon Reduction Plan is an ever evolving document, and will be updated annually. More regular updates will be added where additional scope of reporting becomes available, or where enhancements have been made. Jumar has made every effort to ensure the data in this document is compliant with the GHG protocol and obligatory DEFRA emission factors and data sets applicable to the United Kingdom.

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).

*Andy Holmes*

**Andy Holmes**

Andy Holmes (Jun 7, 2022, 1:17pm)

**Commercial Services Director**

**Tel: 0121 788 4550**







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