

UNFCCC RACE TO ZERO – PLEDGE & PLAN

FOR



Prepared by:	net zero. international	Powered by:	CBN EXPERT Professional
Accredited by:	future Net Zero [®] STANDARD	Official Partner Network:	NETWORK NET ZERO RACE TO ZERO Partner

RACE TO ZERO PLEDGE

Declaration of Participation – Community Member Company

Our company recognises the importance of making a full and lasting commitment to reducing the greenhouse gas emissions from our activities, in support of the wider commitment of the world to limit global temperature increases and the impact on the planet.

As a signatory member of the Network Net Zero Community we commit to the following:

1. For our company to achieve Net Zero in line with the Science Based targets set out by the UNFCCC i.e. to achieve Net Zero no later than 2050 and target a 50% reduction in emissions by 2030.
2. To set realistic short- and long-term targets that are designed to achieve our Net Zero commitments.
3. To report the total Greenhouse Gas emissions of our business regularly and for our performance to be part of the Community's annual reporting back to the UNFCCC.

We acknowledge that our commitment will be reported on the Network Net Zero website.

JPA Workspaces made its pledge to the Race to Zero via the Network Net Zero Community on 7th April 2022. The record of the pledge can be found at <https://www.futurenetzero.com/un-race-to-zero>

	Year	Potential Year (if ahead of target)
Pledge to be Net Zero	2050	2050
50% Emissions Reduction	2030	2030

Carbon Emissions Report

Company Overview

JPA Workspaces is a Limited Liability Partnership registered in England & Wales, company number 13384013, with a head office address of Sphere Industrial Estate, Campfield Road, St Albans, Hertfordshire, AL1 5HT.

Year	2021
Industry	Workspace Solutions
No. of Staff	32
No. of Offices – Owned	0
No. of Offices - Leased	1
No. of Company Vehicles - Owned	8
No. of Company Vehicles - Leased	0

JPA Workspaces provide sustainable workspace furniture solutions designed to reduce associated carbon, waste and landfill. They are committed to local operation, zero landfill and are carbon neutral (Scopes 1 and 2) whilst working towards Net Zero. The furniture is high quality, sourced from ethical local supply chains demonstrating social responsibility, reflecting their own ESG values and those of their clients.

Supporting circular services include sustainable design and consultancy, furniture procurement, installation & maintenance, ongoing support, repair-shops, re-upholstery, re-configuration, re-use, re-working and take-back - a complete, circular, carbon-reduction approach. Extending the lifecycle of both new and existing furniture and maximising existing resources, prevents the unnecessary harvest of virgin-materials and additional carbon from manufacturing and transport of frequently replaced items.

Additionally, JPA Workspaces eliminate Clients' redundant furniture landfill through community re-homing and certificated materials recycling.

Reporting Period

January 2021 – December 2021

Quantification & Reporting Methodology

This report has been created using the Environmental Reporting Guidelines, including **Streamlined Energy & Carbon Reporting** guidance issued by the UK Government in January 2020. This report meets the requirements for **Carbon Reduction Plans** required by various stakeholders.

The report uses the **CBN Expert** Professional Carbon Accounting software as the basis of determining the carbon emissions of the organisation. Where they exist, **CBN Expert** uses the **UK Government published carbon conversion factors** relevant to the reporting period. Where emissions without published conversion factors have been used these have been calculated by **Net Zero International** in consultation with relevant stakeholders and any industry norms or standard that exist. The details of these are included in the Data Declaration section of this report.

Organisational Boundary

This report has been constructed using the

- Operational Control Approach

Operational Scopes

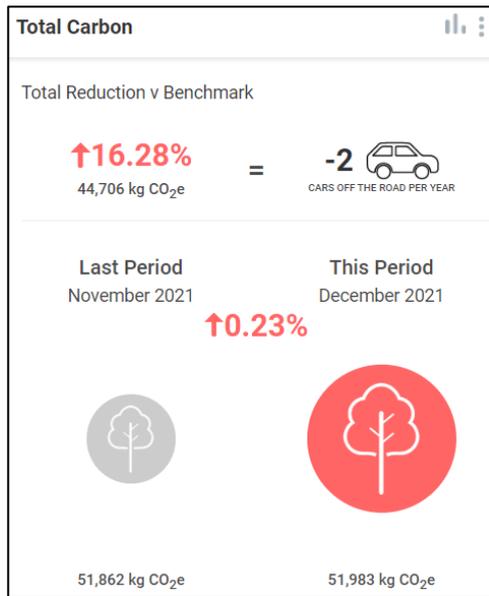
Emissions from Scope 1 & 2 have been measured for this reporting period, plus transmission and distribution from Scope 3. **JPA Workspaces** is committed to start to measure elements of Scope 3 emissions from 2022 and increase the metrics reported year on year.

Benchmark Year

The benchmark year used for comparisons is **January 2020 – December 2020**.

Carbon Emissions Report

Carbon Emissions Overview – last 12 months

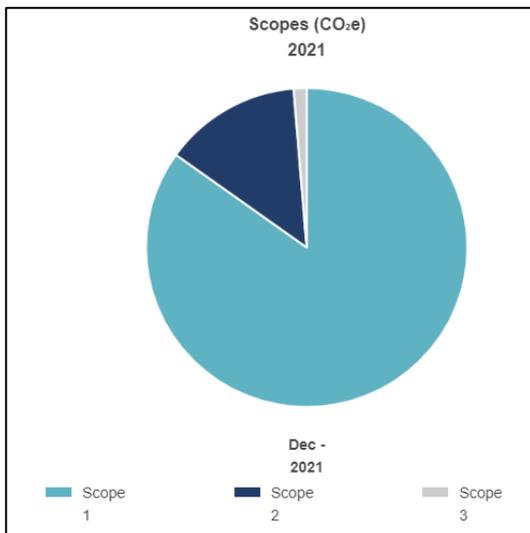


The total calculated emissions for the business in 2021 were 51,983 kg CO₂e. This compares to 2020 calculated emissions of 44,706kg CO₂e.

This figure has been influenced by the COVID pandemic with less business travel than normal, although an increase from the benchmark year of 2020, when restrictions were even greater. This figure is likely to increase as the COVID restrictions are lifted and the business continues to grow and win new business.

The business leases an office and warehouse and owns a fleet of 8 delivery vans.

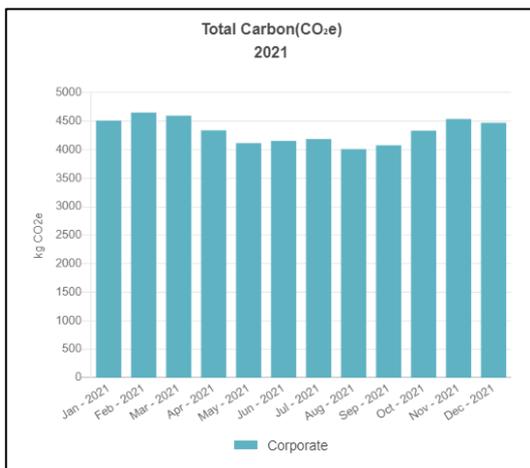
Analysis by Scope – Last 12 Months



Scope 1 emissions account for 84.87% of emissions and includes gas used in the office and business travel by company owned vehicles. The company owns eight vans used for deliveries.

Scope 2 emissions accounts for 13.83% of calculated emissions. This is the electricity used in the office and warehouse. The office and warehouse are not on a renewable tariff, and the business will liaise with the Landlord to look to move to a new, renewable tariff when possible.

Scope 3 emissions accounts for 1.31% of calculated emissions and **JPA Workspaces** will commence measuring more of Scope 3 in 2022, starting with employee commuting, business travel, water, wastewater and waste.



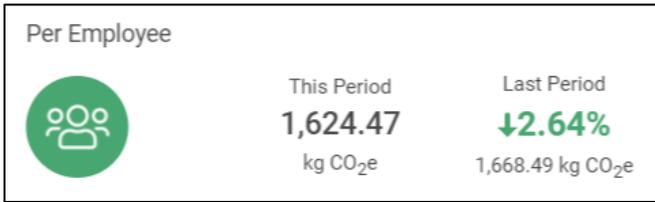
Carbon emissions are similar month on month due to the calculation method for business travel. The annual miles were provided, and this number was divided equally by month across the year. The monthly mileage will be measured from 2022.

Office energy consumption was provided by the Landlord to **JPA Workspaces** and verified by **Net Zero International**.

Emissions will increase in 2022 as more staff return to working in the office following COVID restrictions and as the business continues to grow. Scope 3 emissions will start to be calculated and included.

Carbon Emissions Report

Intensity Metric Analysis January 2021 – December 2021

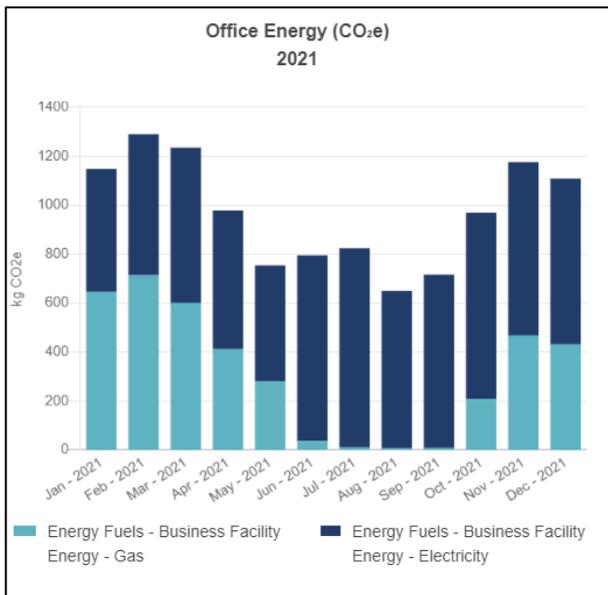


The chosen intensity metric is employees for 2021. The business employed 32 staff at the end of 2021, up from 21 in 2020, as it recovered from the COVID restrictions.

The business will look to increase headcount in 2022 and beyond as it continues to grow and win new business.

Key Emissions Overview

UK GHG emissions & energy use data for period January 2021 – December 2021



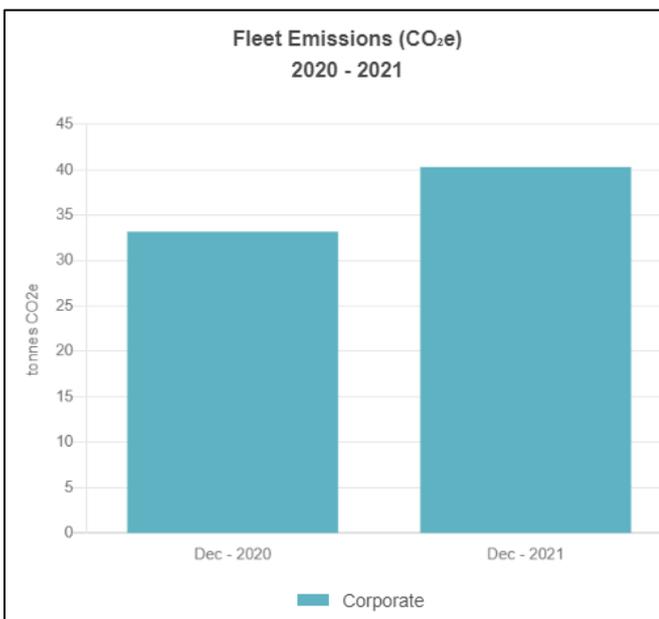
Business Facility Energy

Data has been inputted based on the data provided by the Landlord to **JPA Workspaces**.

The office and warehouse are not on a renewable tariff and the business will liaise with the Landlord to look to move to a new tariff which is renewable when practical to do so.

Office and warehouse electricity emissions were 7,188kg CO₂e, and gas emissions were 3,823kg CO₂e in 2021.

The total of 11,011kg CO₂e accounted for 21.18% of the total calculated emissions of 51,983kg CO₂e.



Business Travel

Business travel has been measured using the annual mileage covered by the business's eight vans.

Annual mileage has been provided and divided equally across the 12-month period. The total mileage in 2021 was 111,291 miles and the calculated emissions were 40,294kg CO₂e. These figures are an increase from 87,846 miles and 33,176kg CO₂e respectively in 2020.

This increase is due to an increase in work in 2021 from 2020 and there is likely to be an increase in 2022 in distance covered with the COVID restrictions lifting and the business returning to more client facing meetings.

Business Commentary

The **JPA Workspaces** Management Team is committed to addressing Climate Change in its operation, services and products.

Operation:

The company has been calculating Scope 1 and Scope 2 emissions for several years using a free Carbon Footprint Business Calculator. In 2021 this figure was calculated and externally verified by Carbon Footprint and then offset with reduction targeting in place.

The company is committed to Local Operation to reduce fleet emissions and mileage. It is also committed to zero landfill having developed recycling streams for all waste including client furniture. The company can evidence furniture landfill savings to date of over 27,000 items, some 857 tonnes CO2e and can pass on certification to its clients.

In terms of equipment, a paper-lite operating system was introduced in 2021 together with a new CRM system and an updated electronic HR system all of which reduce paper-use, printing and hard copy data. An e-commerce platform was also introduced.

Where possible, CPUs have been replaced with less energy hungry laptops and the phone system has been updated.

FSC certification was gained in 2021 enabling Chain of Custody for timber-based products to be passed on to clients, evidence that sourced timber is from managed schemes which look after the land and the people, ensuring environmental, social and ethical best practise.

An external energy audit was completed in December 2021 by Eastern New Energy.

Staff training is increasing with the Head of Sustainability currently completing a Masters equivalent in Net Zero training.

Services:

All company services are designed to keep both new and existing furniture in use for longer by extending lifecycle value.

Products:

JPA Workspaces introduced second-life furniture in 2022 and it is piloting new-furniture manufacture from client waste. All new furniture is from audited supply chains – social, environmental and economic considerations are made in every decision.

Future Plans:

The energy contract for gas and electricity comes up for renewal in May 2022 and will be moved over to certified renewables, helping reduce Scope 2 emissions significantly.

In April 2022, the printers are being changed to new energy efficient ones.

The current fleet of diesel vehicles is due for replacement in the next 1-2 years, but electric vehicles with the size and range do not currently exist. The company is confident that these will 'arrive' as demand grows for vehicles of this type and hope to be well ahead of the 2030 target to cut emissions by half.

Moving forwards, the company will keep looking for improved ways to decarbonise via renewables and seek reductions in energy in line with the Paris Proof methodology.

In terms of carbon and data reporting, the company hope to be able to develop clients' reporting with scope 3 emissions for individual project work.

The company will begin working with suppliers to identify Scope 3 emissions and are hoping to get in involved in helping other local organisations establish a baseline for Scope 1 & 2 emissions.

Carbon Emissions Report

Emissions Data

The data contained in the table below represents total emissions calculated and is consistent with SECR requirements. All sources of emissions that have been measured are included in the totals below. Emissions from key activities are summarised in the previous sections.

	SECR Status	Current Reporting Year Jan – Dec 2021	Previous Reporting Year Jan – Dec 2020
Energy consumption used to calculate emissions / kWh Electricity Scope 2 (UK & Offshore)	Mandatory	33,851 kWh	30,285 kWh
Energy consumption used to calculate emissions / kWh (Global: excluding UK & Offshore)	Mandatory	N / A	N / A
Basis of Energy reporting (Location or Market)		Market	Market
% Of total energy sourced from certified renewable sources		0%	0%
Emissions associated with energy consumption (UK, Offshore & Global) kg CO ₂ e		7,188kg	7,061kg
Emissions from activities for which the company is responsible including combustion of fuel & operation of facilities (Scope 1) / kg CO ₂ e	Mandatory	44,116kg	37,037kg
Emissions from purchase of electricity, heat, steam and cooling purchased for own use (Scope 2) / kg CO ₂ e	Mandatory	7,188kg	7,061kg
Total gross Scope 1 & Scope 2 emissions / kg CO₂e	Mandatory	51,304kg	44,098kg
Intensity ratio: kg CO₂e per employee (Scope 1 & 2)	Mandatory	1,603kg	2,099kg
Emissions from upstream activities out of operational control (Scope 3) / kg CO ₂ e	Optional	679kg	607kg
Emissions from use of sold products and services out of operational control (Scope 3) / kg CO ₂ e	Optional	None included	None included
Total Gross Scope 3 emissions / kg CO₂e	Optional	679kg	607kg
Total Gross Scope 1,2 (location, market) & 3 emissions / kg CO₂e	Optional	51,983kg	44,706kg
Intensity ratio kg CO ₂ e (Scopes 1,2 & 3) / m ² Office space	Optional	kg	kg
Intensity ratio kg CO ₂ e (gross Scope 1,2&3) / per staff member	Optional	1,623kg	2,128kg
Carbon offsets kg CO ₂ e	Optional	52,000kg	45,000kg
Total annual net emissions / kg CO₂e	Optional	-17kg	-294kg

Carbon Emissions Report

Standard and Methodology Used

JPA Workspaces categorises its Greenhouse Gas (GHG) Emissions as Scope 1,2 or 3 as referred to in the WBCSD – WRI Greenhouse Gas Protocol (revised edition, dated March 2014). Emissions in Carbon Dioxide equivalent (CO₂e) for all scopes are calculated using the conversion factors listed in BEIS Greenhouse Gas Conversion Factors for the relevant 12-month period over which the Carbon Footprint is calculated. Procured renewable electricity and gas is calculated in accordance with the WBCSD – WSI Scope 2 Guidance on procured renewable energy (2015).

Data Quality / Confidence

The data used to generate this report has been collected from various sources from both within the company and using assumptions gathered by **Net Zero International**. These emissions have been converted to CO₂e using the **CBN Expert** Dashboard. In all cases **CBN Expert** has used the Conversion Factors published by BEIS/Defra for the relevant period.

Scope 3 Emissions

JPA Workspaces is committed to measure and act to reduce its emissions in all 3 Scopes. This report reflects the amount

of Scope 1 and 2 emissions, plus transmission and distribution for Scope 3. **JPA Workspaces** remains committed to work with its entire supply chain to ensure as much of its Scope 3 emissions can be accurately measured and to develop actions that target long term reductions in this emissions category.

Offsets

As part of the commitment of **JPA Workspaces** to target reductions in its GHG emissions and, ultimately, attain Net Zero the company will review and report all offsetting that it enters. All offsetting options will be considered and reported included, formally certificated schemes (e.g., Gold Standard) as well as more informal schemes. Where offsetting is done against informal schemes, details of the calculation logic will be reported. **Net Zero International** have verified the certification of offsets included in this report.

Third Party Verification

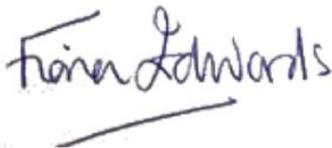
The data in this report has been produced using the **CBN Expert** dashboard and the figures have been certified under the future Net Zero Standard. The certification and licence number for the period for this report is shown here.

Offset schemes (if appropriate)

Scheme Name	Details (including weblinks)
Carbon Footprint	www.carbonfootprint.com

Signed on behalf of JPA Workspaces

Name: **Fiona Edwards**



Position: **Head of Sustainability**

Signed on behalf of Net Zero International

Name: **David Hawes**



Position: **Co-Founder**

Carbon Emissions Report

Assessors Comments

We have audited the carbon emissions data of **JPA Workspaces** on 12th May 2022 for the period 1 January 2021 to 31 December 2021. We have reviewed the related notes and comments within this document and have undertaken a detailed interview with **Net Zero International** to understand the methodologies used, data collection process, validity and calculation of published emissions.

In our opinion, the published 51,983 kg CO₂e emissions represent fairly the Scope 1 and Scope 2, plus transmission and distribution from Scope 3 calculated carbon emissions of **JPA Workspaces** for the period 1 January 2021 to 31 December 2021, in accordance with GHG Protocols.

The Scope 1 and Scope 2 carbon emissions figure would seem appropriate for a company of this size and structure within this industry.

The report provides clear data that is consistent with SECR reporting requirements.

The business commentary shows commitment by the **JPA Workspaces** team to progress in its Net Zero transition.

Assessed on behalf of Future Net Zero

Name: **Geoff Curran**



Position: Director



future Net Zero is an official UN Race To Zero Partner through Network Net Zero (<https://www.networknetzero.com>).

Race To Zero is a global campaign to rally leadership and support from businesses, cities, regions and investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.

The Race To Zero objective is to build momentum around the shift to a decarbonized economy, where governments must strengthen their contributions to the Paris Agreement (<https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>).

future Net Zero is part of Carbon AAA (<https://www.networknetzero.com/support>) and works in partnership with **CBN Expert** and **Net Zero International**.

The **future Net Zero Standard** (<https://www.futurenetzero.com/carbon-accreditation>) is an independent validation of an organisation's calculated carbon emissions and enables an organisation's stakeholders to understand how the carbon data was collected, the processes used, how the carbon calculations were undertaken and to ensure a valid representation of an organisation's carbon impact.

Carbon Emissions Report

Glossary

Benchmark Data	The chosen 12-month period that sets the calculated emissions that need to be mitigated and/or offset.
Carbon Reduction	Reduction in measured CO ₂ e emissions
Carbon Reduction Plan	Plan to reduce CO ₂ e emissions over a period of time, updated annually
Carbon Emissions (Gross)	CO ₂ e emissions from Company activities
Carbon Emissions (Net)	CO ₂ e emissions from Company activities minus verified carbon offsets the Company purchases
Carbon Neutral	When emissions are fully offset including those emissions that could be mitigated.
Carbon Offsets	A removal or reduction of carbon emissions through a verified scheme.
CO₂e	All greenhouse gases expressed in terms of Carbon Dioxide equivalent (CO ₂ e) for consistency of reporting.
GHG Protocol	Greenhouse Gas Protocol https://ghgprotocol.org/
Greenhouse Gases	Carbon Dioxide (CO ₂), Methane (CH ₄), Nitrous Oxide (N ₂ O), Chlorofluorocarbons (CFCs and HCFCs), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulphur Hexafluoride (SF ₆)
Greenhouse Gas Conversion Factors	Annually published conversion factors normally published by relevant government departments. Converts activity into CO ₂ e emissions.
Greenhouse Gas Emissions (GHG)	Gases in the atmosphere that absorb and radiate heat
Intensity Metric/Ratio	A metric that measures carbon emissions per relevant unit of activity in a business.
Market Reporting v Location Reporting	Market is based on specific tariffs. Location is based on the country from which you are reporting.
Net Zero	GHG emissions are mitigated and those that cannot are offset
Renewable Tariff	An energy tariff that is 100% powered by renewable energy and is certified.
SBT	Science Based Targets – reducing emissions by 50% by 2030 and by 90% by 2050 and offsetting the remaining amount.
Scope 1	The fuels that are burnt (gas, transport the company owns, refrigerant gasses)
Scope 2	The energy that is bought (electricity from the grid, purchased heat)
Scope 3	Emissions embedded in everything a company buys and emitted as a consequence of everything a company sells.
SECR	Streamlined Energy & Carbon Reporting
tCO₂e	Metric tonnes of CO ₂ equivalent emitted.
UNFCCC	United Nations Framework Convention on Climate Change
UN Race To Zero	United Nations campaign mobilising organisations to commit to reaching Net Zero no later than 2050.
WBCSD	World Business Council for Sustainable Development https://www.wbcsd.org/
WRI	World Resource Institute https://www.wri.org/