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sustainability carbon metrics report 2023

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NJC is committed to an enhanced sustainability strategy, reaching Net Zero by 2030. We recognise the critical role that all organisations must play in tackling this global issue.

total carbon emissions

NJC has calculated our scope 1, 2 and 3 emissions for 2022 and compared this to 2019 data. 2019 was selected as the baseline, due to the data being pre-pandemic data, which would provide a more accurate measure.

NJC calculated 1000.136 tonnes of carbon emissions generated in the year 2019 opposed to 591.85 tonnes in 2022. This saw a significant reduction of 408.286 tonnes of carbon emissions in 3 years, seeing on average 136.10 tonnes of carbon emissions reduction each year. This is a fantastic achievement and evidences NJC's reduction strategies are working efficiently to reduce carbon emissions.

We project that carbon emissions will decrease over the next eight years by 2030 with continued reduction strategies in place, with the aim to reduce emissions at the source as much as possible. This provides the added benefit of reducing business costs for offsetting. NJC recognises that reduction strategies are vital and offsetting is the last response.

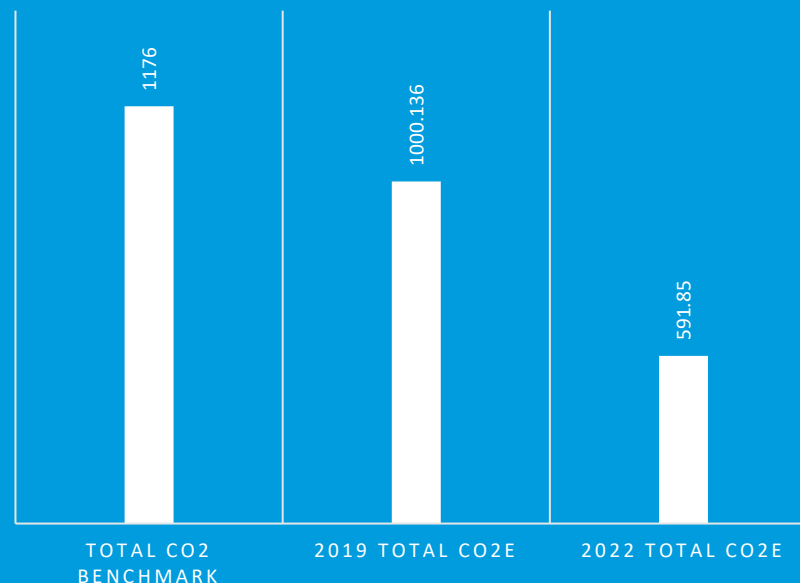
*Benchmark based on 20% of average 10 tonnes of carbon emissions per person, equivalated to total number of staff present at NJC for 2022.



Reduction of 408.286 tonnes of carbon emissions in 3 years.

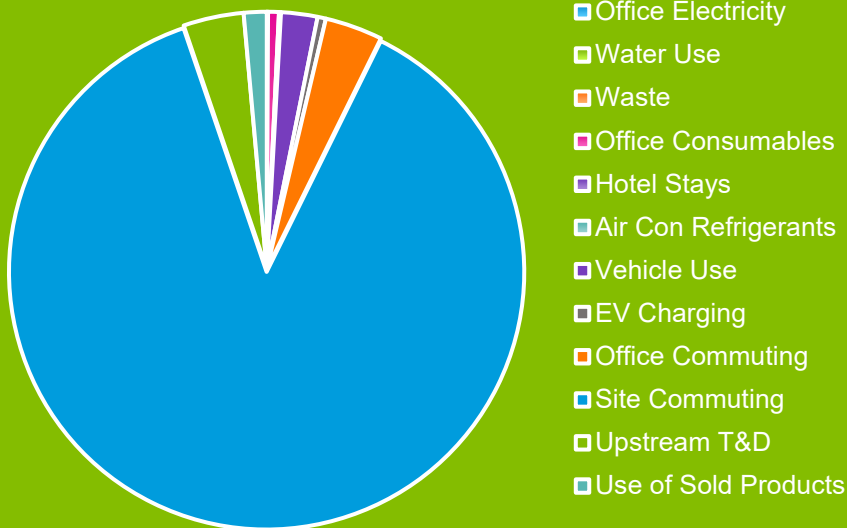


2019 TO 2022 CO2E COMPARISON



total carbon footprint

Overall Tonnes CO2e



Reporting Year:

1 January 2022 – 31 December 2022

Reporting Boundary:

NJC London, Victoria

Emissions Measured:

Electricity, Natural Gas, Water, Waste, Fleet, Business Travel, Paper, Commuting, Office Consumables, Hotel stays, Upstream Transportation and Distribution, Use of Sold Products and Refrigerants

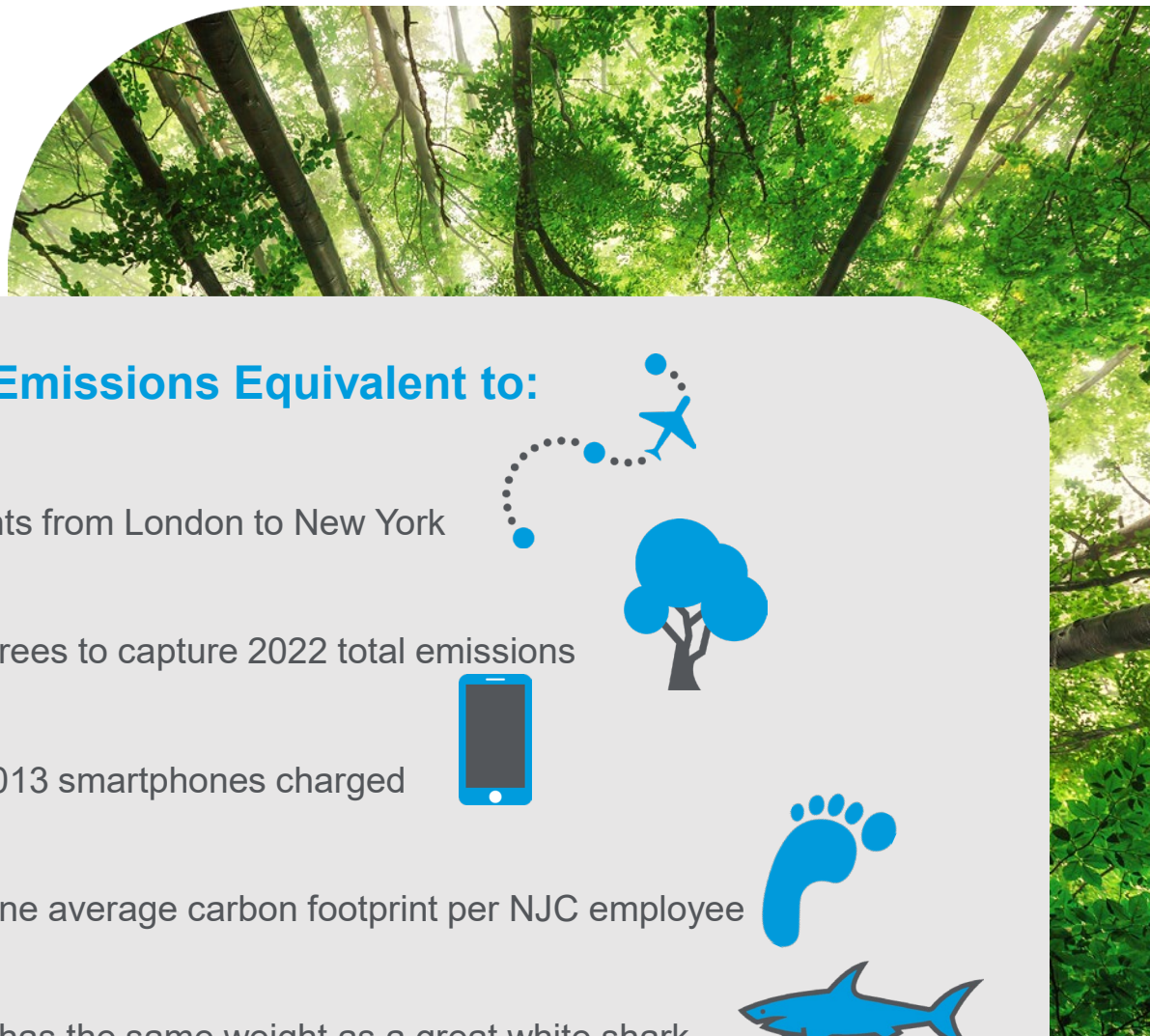
Highlights:

Total CO2e 2022 : 591.85 tonnes CO2e calculated

Reduction Target : 200 tonnes CO2e

Employee footprint onsite : 1.01 tonnes CO2e

total carbon footprint



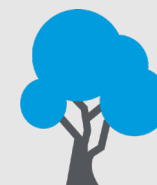
591.85 CO₂e Tonnes

Total Emissions Equivalent to:

668 flights from London to New York



29,550 trees to capture 2022 total emissions



71,891,013 smartphones charged



1.01 tonne average carbon footprint per NJC employee



1 tonne has the same weight as a great white shark



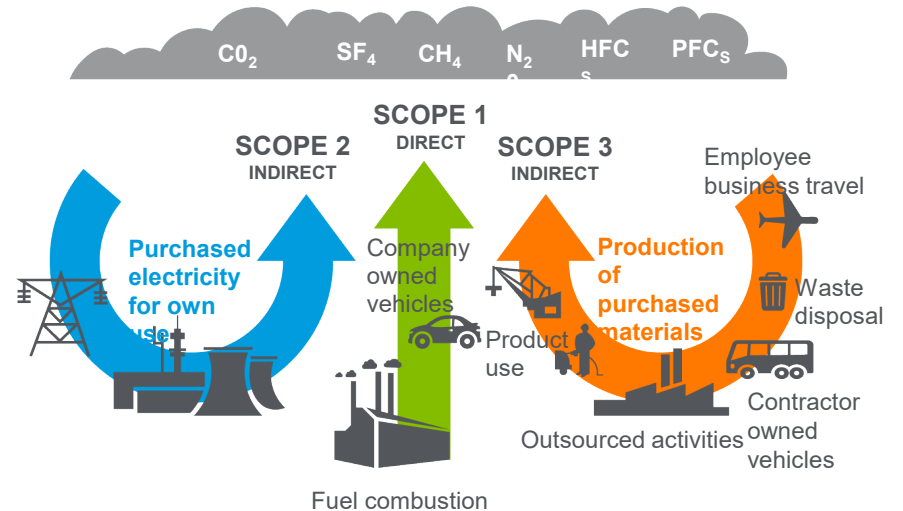
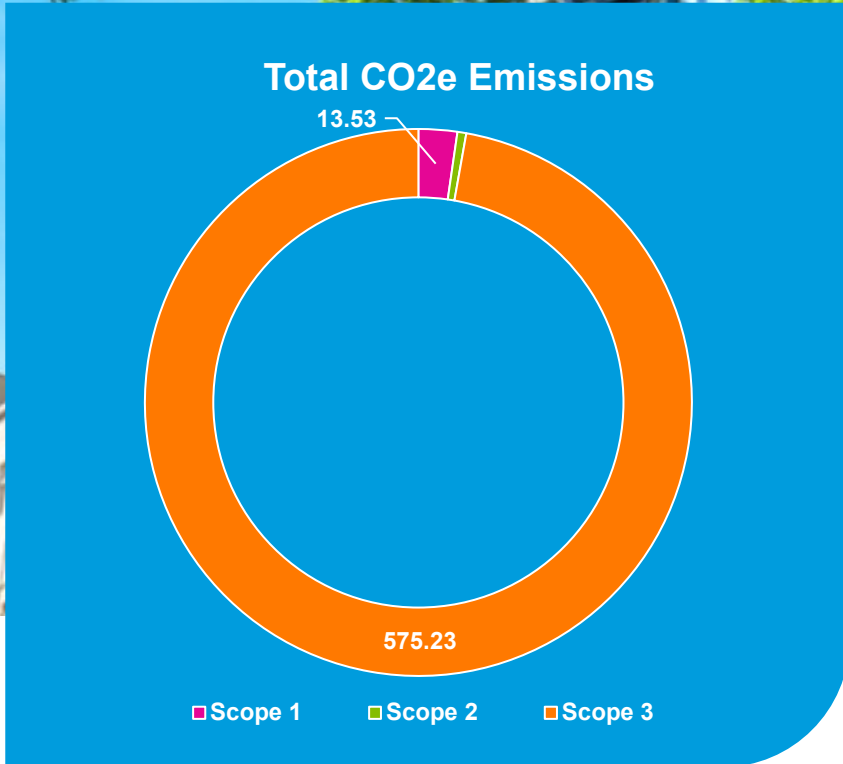
total carbon footprint

The diagram shows total scope emissions for NJC calculated for 2022.

Data collected showed:

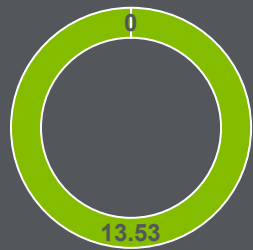
Scope 1	13.53	tonnes CO2e
Scope 2	3.09	tonnes CO2e
Scope 3	575.23	tonnes CO2e

Data showed that the largest proportion of carbon emissions were generated by scope 3 emissions in 2022.



total carbon footprint

scope 1



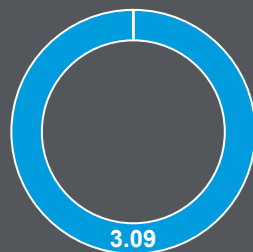
■ Gas
 ■ Air Con refrigerants
 ■ Fleet Emissions

The diagram shows total scope 1 emissions calculated for 2022.

Data collected showed:

Fleet Emissions	13.53	tonnes CO2e
Gas	0	tonnes CO2e
AC Refrigerant	0	tonnes CO2e

scope 2



■ EV Fleet
 ■ Office Electricity

The diagram shows total scope 2 emissions calculated for 2022.

Data collected showed:

EV Fleet	3.09	tonnes CO2e
Office Electricity	0	tonnes CO2e



This shows the largest proportion of carbon emissions were generated by NJCs fleet. NJC has started their journey towards an electric fleet, this move saw a reduction of 35.37 tonnes of carbon emissions in 2022, when compared to fleet data from 2019. NJC is committed to an entire emissions free fleet, however this is currently subjective to procurement issues currently in the market. With the entire fleet moving to emissions free, this will see scope 1 emissions reduce to 0 emissions saving 13.53 tonnes.

NJC’s head office is located in Victoria London in The Zig Zag Building, which is as green as its terraces providing renewable energy. NJC occupies the first floor of the building meaning NJC utilises zero gas emissions. The building was designed with solar shading fins on the façade, meaning there’s less energy needed to cool the building; solar panels, LED lights and recycled rainwater to reduce environmental impact even further. When NJC moved our HQ to London in 2019, we carefully selected a sustainable building as part of our first sustainability strategy.

scope 3

The diagram shows total scope 3 emissions calculated for 2022.

Data collected showed:

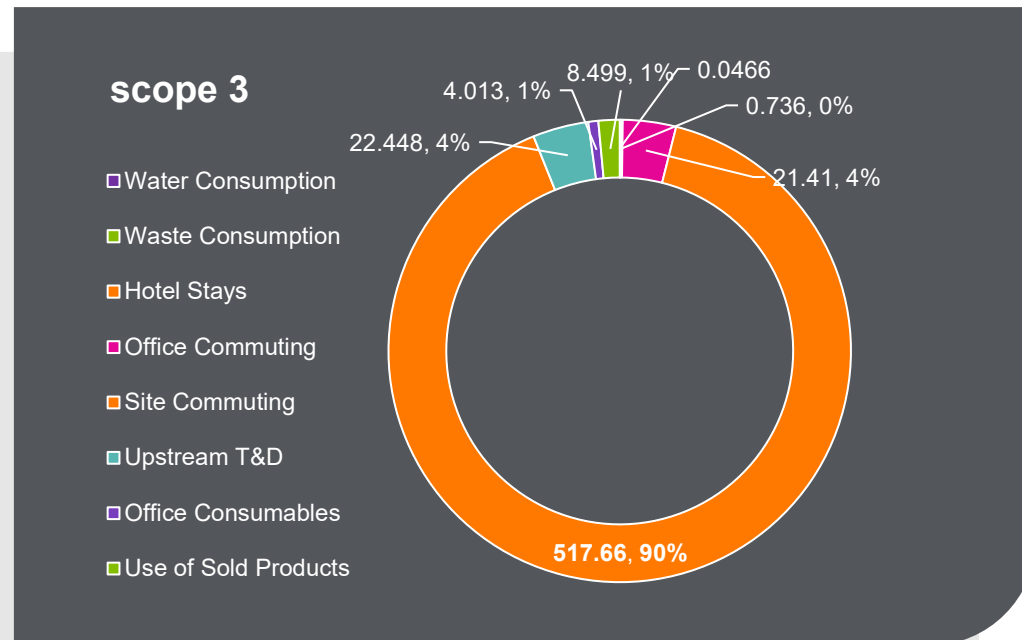
Water Consumption	0.0466	tonnes CO2e
Waste Consumption	0.4183	tonnes CO2e
Hotel Stays	0.736	tonnes CO2e
Office Commuting	21.41	tonnes CO2e
Site Commuting	517.66	tonnes CO2e
Upstream T&D	22.448	tonnes CO2e
Office Consumables	4.013	tonnes CO2e
Use of Sold Products	8.499	tonnes CO2e

Scope 3 included calculating homeworking and plastic waste CO2e emissions, however this was not significant and has not been included in line with ESOS de minimus guidance.

This shows the largest proportion of carbon emissions were generated by NJC’s staff commuting to work generating 517 tonnes of carbon emissions. To reduce these emissions NJC will promote car sharing, NJC’s cycle to work scheme, continue local employment, support local charities with return to work initiatives and educate staff on commuting reduction strategies and raise awareness on how they travel can make a difference to the planet. However, even with reduction strategies in place, it will be difficult to reduce these emissions significantly. Therefore, it is evident that a large part of NJC’s emissions will require offsetting, detailed later in this report.

The second largest proportion was generated by NJC’s upstream transportation and distribution. NJC’s pledge to move to chemical free cleaning where possible across the entire business will reduce this element of scope 3 significantly. As well as NJC’s continuous work on the following: to purchase sustainable products and equipment, use service providers with emission free fleets, educate service providers on sustainability awareness and procurement standards, review service providers to ensure they continuously mirror NJC’s ESG values.

Waste strategies will continue to reduce, reuse and recycle where possible. This includes initiatives such as donating laptops for disposal or laptops that require replacing with more energy efficient equipment to charities, donating uniform that requires replacing to charities or providing to our uniform supplier to recycle etc. We will continue to educate staff on waste and water reduction strategies.

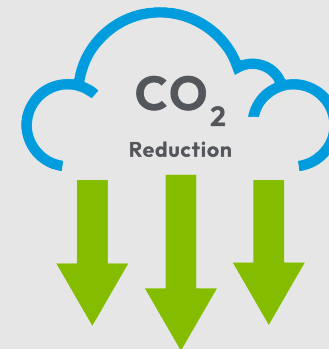


total carbon footprint

Until we become entirely carbon neutral, we will be unable to avoid creating a carbon footprint on some scale. Therefore to be truly net zero, we need to consider carbon offsetting. To offset, we have selected Ecologi as our source to support a range of projects that are able to evidence that they are reducing, or avoiding, greenhouse gas emissions. These projects are certified to the very highest level by Gold Standard, or the Verified Carbon Standard. It is essential to ensure offsetting is verified by one of these standards to avoid committing to fraudulent projects and greenwashing, who will not ensure a positive impact to ESG commitments and reducing emissions in the atmosphere.

As already highlighted, NJC will carbon offset our entire 2022 emissions 591.85 tonnes CO₂e, this is immediate action to carbon neutralise our business as quickly as possible. However, NJC recognise offsetting is not the sole answer to becoming net zero and should be the last response. Therefore, with this acknowledgement NJC is determined to reduce our emissions through our reduction strategies listed above resulting next year in a reduction of emissions from 2022 and less offsetting required. This controls the reduction of emissions at source and reduces cost to the business. Therefore, there is a goal to reduce emissions by 200 tonnes through reduction strategies.

We wanted to tackle projects relevant to NJC working practices and services. Therefore we decided to support a land based project, to support forests, nature and wildlife, due our waste output as a business, a water project to support oceans and marine life, due to the amount of water we use from our cleaning services and output, a social project, to support communities and schools, as part of our CSR, and a reduction project, to remove carbon dioxide out of the atmosphere, due to the carbon emissions we generate as a business. Please see our chosen Ecologi projects [here](#).



591.85 Tonnes CO₂e

(2022 offset)

carbon reduction plan

The first graph shows the amount of carbon emissions required to be reduced averaged over a 8 year period to become net zero. As it is not physically possible to reduce all emissions without offsetting, the second graph shows the targets implemented to reduce 200 tonnes of carbon emissions in the next 4 years, seeing 50 tonnes reduced annually. This equvalates to more than 5% reduction each year, a total of 8.5% reduction. This creates a more practical solution to achievable our reduction strategy targets, whilst reducing our offsetting due to fewer emissions being generated.

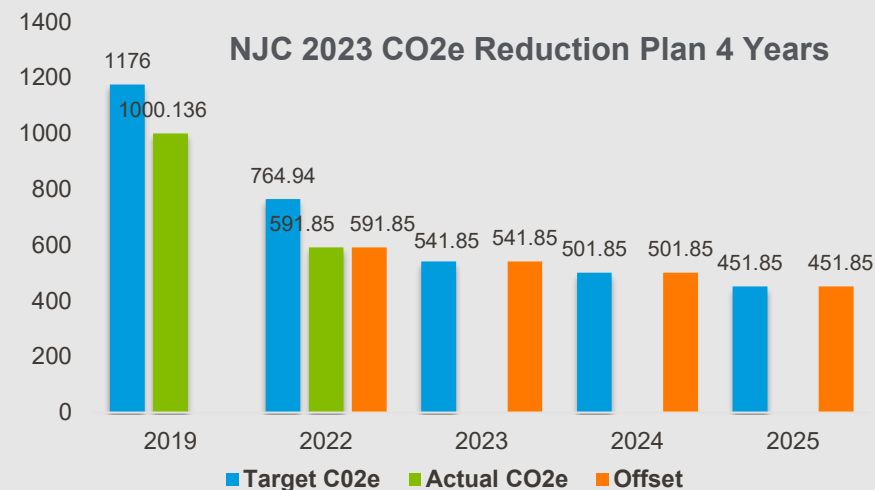
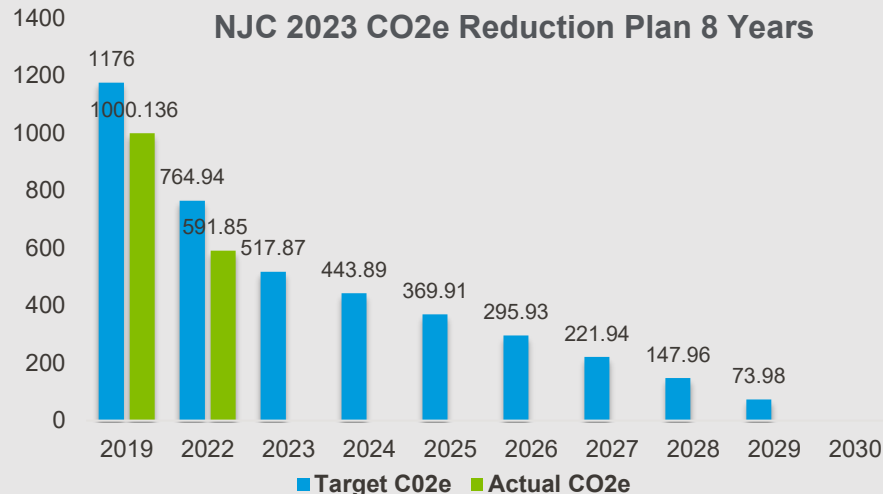
Emissions may increase initially in the following two years due to new business and continuous improvement towards the accuracy of data collected.

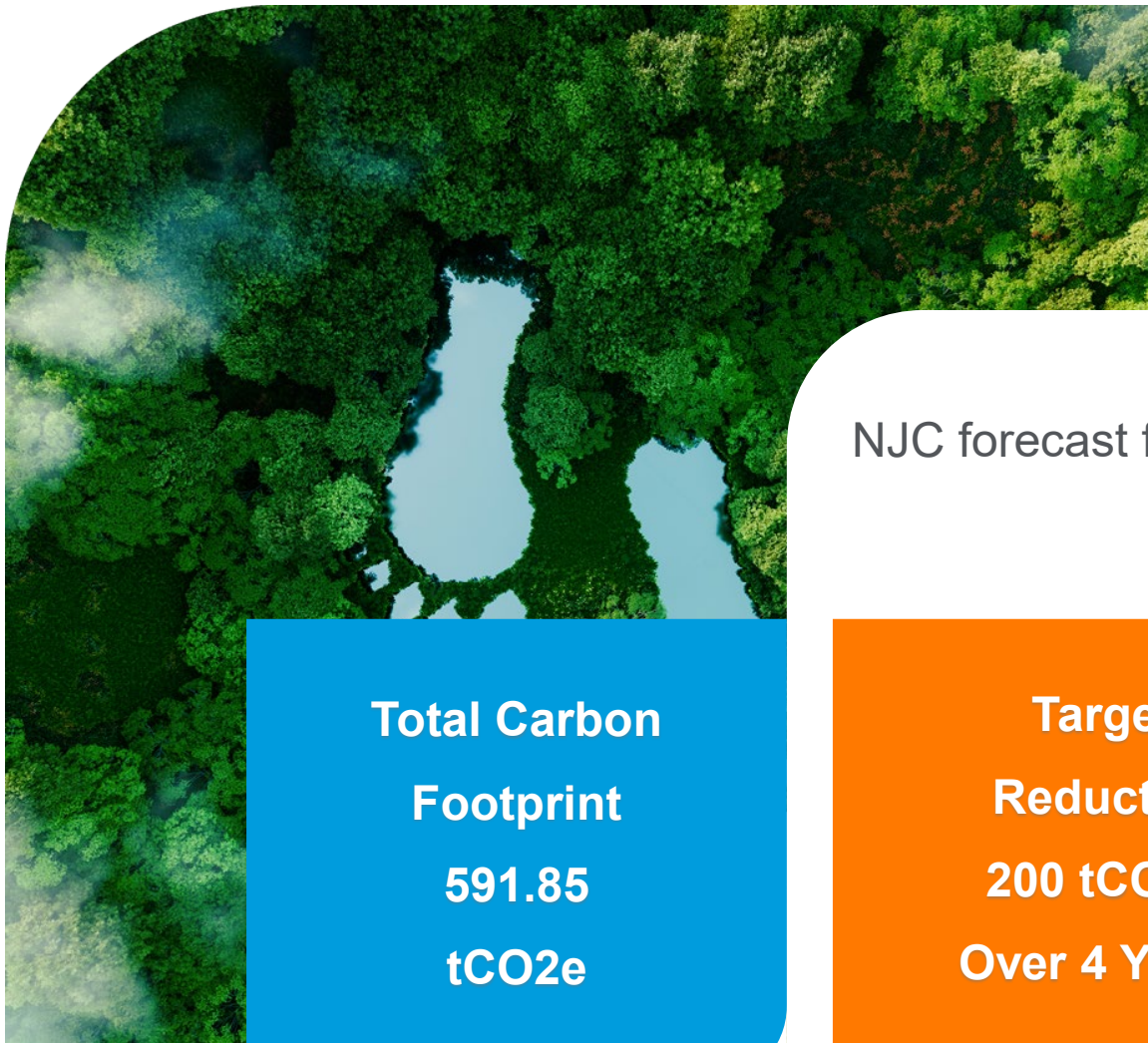
NJC'S Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plan (see Appendix 2 - Reference Documents)

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 ISO 14001 objectives, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).





our target

NJC forecast for a greener future...

Total Carbon Footprint
591.85 tCO₂e

Target Reduction
200 tCO₂e
Over 4 Years

Carbon Reduction
Per employee
0.34 tCO₂e

appendix 1

reporting methodology

Our Greenhouse Gas (GHG) Emissions Footprint

Description of Methodology

corporate GHG emissions CO2e	2019	2022	reduction
Scope 1	48.9	13.53	35.37
Scope 2	0.1586	3.09	-
Scope 1 and 2	49.06	16.62	32.44
Scope 3	951.08*	575.23*	375.85
Total Energy Use (KWh)	134,667	1366.6	-
Total Renewable Energy Use (KWh)	-	1011.76	-

Notes:

1. We report our GHG Emissions using the UK Government Conversion Factors for greenhouse gas (GHG) reporting. These factors are suitable for use by UK-based organisations of all sizes and international organisations reporting on UK operations. Therefore, the scope of the factors is defined such that it is relevant to emissions reporting.
2. Data shown above is calculated and is reported in CO2e emissions in tonnes.
3. 2022 produced an enormous emission saving due to the move towards NJC's electric fleet.
4. Scope 1 data is based on fleet emissions. There were no emissions from gas and air conditioning systems.
5. Scope 2 data is based on electricity used at NJC's head office and for NJC's electric fleet.
6. Scope 3 data is based on water consumption, waste consumption, site commuting, office commuting, office consumables, hotel stays, upstream transport and distribution and use of sold products.
7. Scope 3 included calculating homeworking and plastic waste CO2e emissions, however this was not significant and has not been included in line with ESOS de minimus guidance.

* Accurate estimations have been used where data was not fully available. NJC will continuously endeavour to improve our data accuracy and collection. See NJC's Carbon Metrics Report for more details.

appendix 2

Reference documents

[GHG Protocol Corporate Accounting and Reporting Standard](#)

[Technical Guidance for Calculating Scope 3 Emissions \(version 1.0\)](#)

[UK Government GHG Conversion Factors for Company Reporting \(Version 2.0, 2022\)](#)

ISO 14001:2015 – Environmental management systems — Requirements with guidance for use

[Cabinet Office Policy Procurement Note PPN 06/21 - Technical standard for Completion of Carbon Reduction Plans](#)

ISO 20400:2017 Sustainable Procurement — Guidance

[Carbon Trust - Energy and Carbon Conversions \(2022 update\) – as published by the Department for Business, Energy and Industrial Strategy \(BEIS\)](#)

[Ecologi Action Ltd](#)


[UN Sustainable Development Goals](#)


ISO 14064-1:2018 Greenhouse gases — Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals

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