



Carbon reduction plan

Windsor Glass Co

01 January 2024 – 31 December 2024

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Carbon reduction plan overview

Windsor Glass recognises the current climate emergency and the need for businesses to take proactive action which is why we've joined Zellar's sustainability platform. This platform helps us measure our current sustainability performance and creates a plan with tangible actions to deliver on our sustainability commitments.

This report contains:

- Our annual emissions data
- Completed actions
- Planned actions

For live updates

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zellar

Zellar is a pioneering sustainability platform focused on emissions measurement, reduction, and sharing. By providing actionable insights and showcasing progress, Zellar enables organisations to enhance their reputation, attract customers, and make meaningful environmental impact.

A photograph of several wind turbines in a green field under a clear blue sky. The image is used as a background for the top section of the report.

Emissions report

Methodology

Emissions are calculated via Zellar's sustainability platform. We have calculated our scope 1&2 emissions, plus the impact of business travel, commuting and home-working. We have not yet included all scope 3 emission categories, including our supply chain impact. We will look to track and reduce these in future years.

Zellar's calculation approach aligns with the Greenhouse Gas Protocol. Emission factors are based on the latest UK government CO₂e conversion factors or the most applicable available, and updated annually.

Greenhouse gas emissions

1st Jan to 31st December 2024

Scope	Category	Baseline 2023 (tCO ₂ e)	2024 (tCO ₂ e)	Change
Scope 1	Stationary combustion	0.00	0.00	-
	Owned vehicles	18.00	17.00	-6%
	Refrigerants	-	-	-
	Total – Scope 1	18.00	17.00	-6%
Scope 2	Electricity	4.91	4.22	-14%
	Total – Scope 2	4.91	4.22	-14%
Scope 3	Business travel	0.00	0.00	-
	Commuting & homeworking	5.80	5.80	0%
	Waste	-	-	-
	Upstream & downstream distribution	-	-	-
	Purchased goods and services	0.00	0.00	-
	Total – Scope 3	5.80	5.80	0%
Total		28.71	27.02	-5.9%

Scope and Subject Matter

The boundary of the report includes all UK-based offices and operations during the reporting period. The following energy and GHG sources are included:

Scope 1

Stationary Combustion – *[burning natural gas and oil for heating in buildings / we do not use gas or any other fuels in the building]*

Mobile Combustion – *[fuel used in company vehicles / we do not have any company vehicles]*

Fugitive Emissions – refrigerants topped up for air conditioning units

Scope 2

Purchased electricity – *[electricity generation by power suppliers that the company purchases and uses / we report zero emissions for purchased electricity as all purchased electricity comes from renewable energy sources]*

Scope 3

Business travel – *[employee business trips via air, rail, car and other transport modes / the organisation has no reported business travel]*

Employee commuting and homeworking – staff travelling to work and additional energy use while working from home

Scope 3 – Not included

Purchased goods and services – production of all products and services bought by the company

Waste – disposal and treatment of company waste in landfill and recycling facilities

Upstream and downstream distribution – transporting goods and materials to and from company facilities

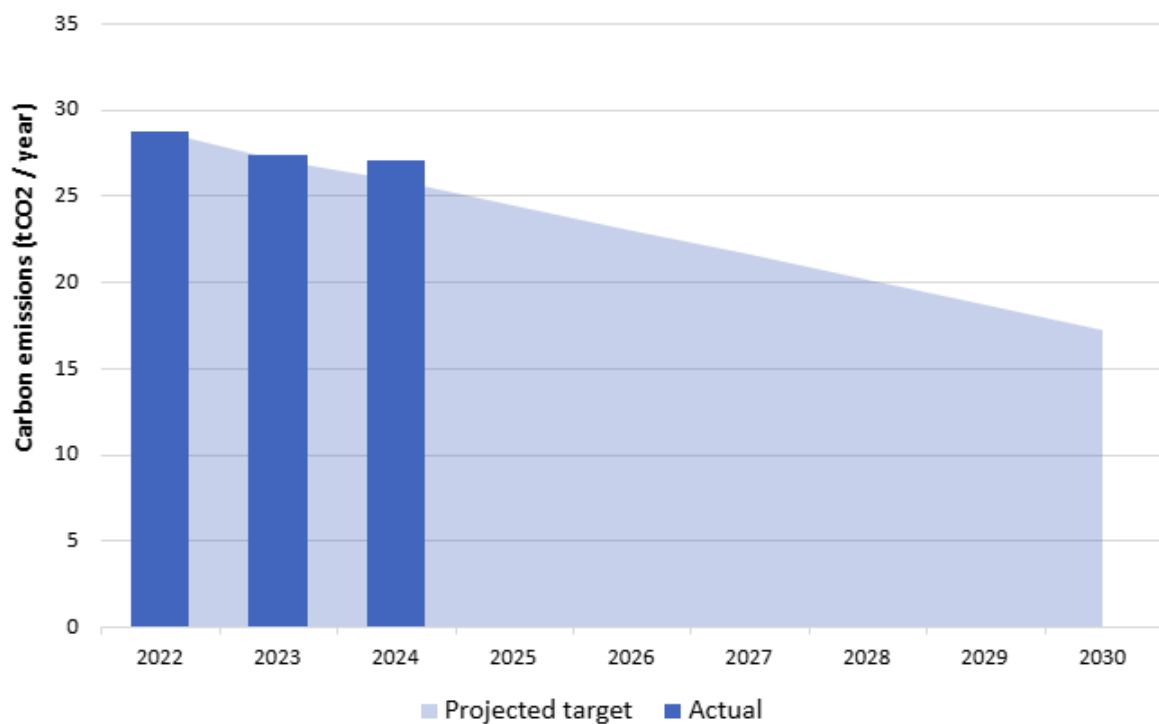
Capital goods, leased assets, processing & use of sold products, end-of-life of sold products, franchises and investments – these are all difficult to calculate and unlikely to have a large impact

Emissions reduction targets

We have a long-term target of achieving Net Zero by 2045.

In order to progress towards that goal, we have set an interim target of reducing our energy and travel emissions by 40% by 2030.

Progress against these targets can be seen in the graph below:





Emissions management

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed:

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- 1 Assign a sustainability champion:** We have designated a team member as the Sustainability Champion to drive eco-friendly initiatives, engage colleagues, and track progress on our sustainability goals.

 - 2 Educate and engage employees:** We have educated and engaged our employees on sustainability topics and initiatives, fostering a culture of environmental consciousness. We make sure that all of our employees recycle all waste that can be recycled. We also discuss and plan how we can reduce our waste.

 - 3 Install LED Lighting:** We have installed energy-efficient LED lighting in our premises, reducing energy consumption and lowering carbon emissions.

 - 4 Separate external lights onto different timers:** We have put external lighting on separate timers to reduce electricity usage. We have installed solar powered led lights on the outside of our building

 - 5 Switch energy providers:** We review our energy suppliers and consider who we switch to. We switched to Drax Energy.

 - 6 Use recycled materials:** As a manufacturing company we process from stock products to our customers requirements, we cannot sell them old glass but all glass
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that we collect from site is disposed of in our onsite skip and is collected on a regular basis by a recycling contactor to be use again.

7 Reduce waste & proportion sent to waste: We have successfully reduced waste generation and minimised the proportion sent to landfill through efficient waste management. All of our glass waste is collected and reused to make more glass.

8 Write our business sustainability policy: We have developed and documented our business sustainability policy, clearly stating our commitment to environmental and social responsibility.

Planned Carbon Reduction Initiatives

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

- 1 Create green spaces:** We will establish and maintain green spaces to enhance biodiversity and improve the environment. We are going to grow wild flowers on the green space outside of our factory.

 - 2 Install Windows & Doors:** We will replace old windows and doors with energy-efficient ones, improving insulation and reducing heat loss. We are going to replace our office windows with thermal efficient double glazed units and replace the old aluminium frames with UPVC.

 - 3 Make a net zero pledge:** We will look to set a target to achieve net zero. We plan on being carbon neutral by 2028
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A photograph of a wind farm with several wind turbines in a green field under a clear blue sky. The image is used as a background for the title.

Declaration and Sign Off

This Carbon Reduction Plan has been completed with the technical support of Zellar.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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

Signed on behalf of the Organisation:

Barry Preedy

Director

Date: 4 April 2025

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

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>