



Grafton Optical Carbon Reduction Plan

Last published: 20th March 2024

Commitment to achieving Net Zero

Grafton Optical is committed to achieving Net Zero emissions by 2050.

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.

Baseline Year: 2023	
Additional Details relating to the Baseline Emissions calculations.	
Emissions data has not been previously reported so the 2023 calendar year has been set as the baseline for emissions calculations. Calculations have been completed using GHG Protocol guidance notes and the BEIS Conversion Factors 2023.	
Baseline year emissions: 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	26.59
Scope 2	3.69
Scope 3 (Included Sources)	87.30 Upstream T&D - 68.35 Waste – 0.07 Business travel – 3.78 Commuting – 3.06 Downstream T&D – 12.03
Total Emissions	117.58



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Current Emissions Reporting

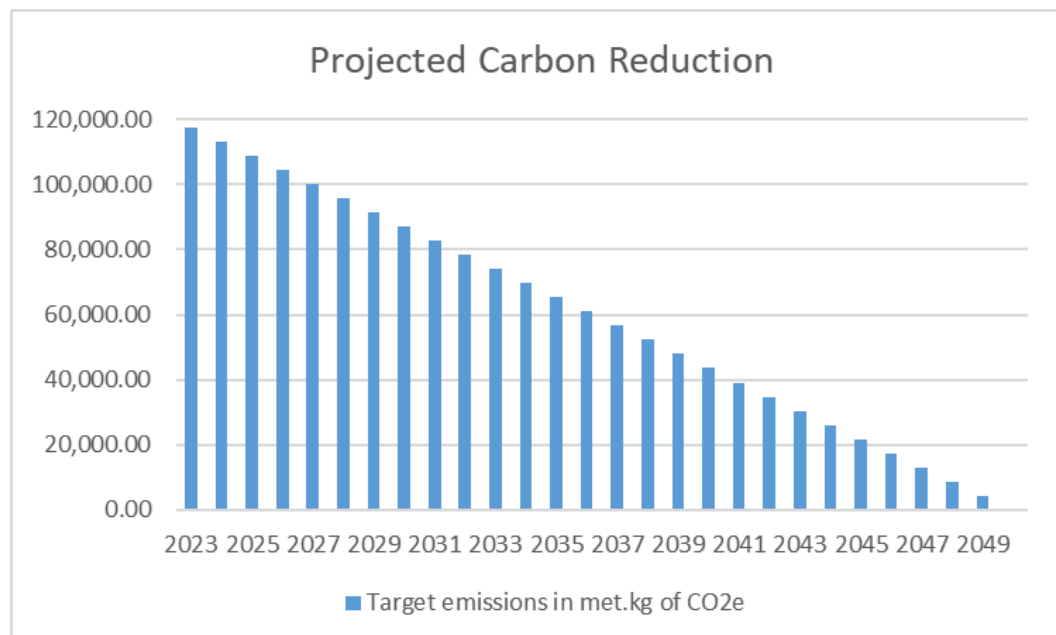
Reporting Year: 2023 (as per baseline)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	26.59
Scope 2	3.69
Scope 3 (Included Sources)	87.30 Upstream T&D - 68.35, Waste – 0.07, Business travel – 3.78, Commuting – 3.06, Downstream T&D – 12.03
Total Emissions	117.58

Emissions reduction targets

Grafton Optical has had no previous emissions reduction commitment. To progress towards achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next five years to **95.80 tCO₂e by 2028. This is a reduction of 18.52%**

Projected progress against these targets can be seen in the graph below:





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Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2023 baseline. These measures will be in effect when performing the contract.

Energy efficiency

- Invest in energy-efficient LED lighting and install motion sensors or timers to automatically switch off lights in unoccupied areas
- Make the most of natural daylight by arranging workspaces to maximise sunlight
- Set the thermostat at an optimal temperature (around 19-21°C) during working hours and lower it during non-working hours
- Investigate the viability of programmable thermostats to control heating and cooling systems efficiently.
- Ensure proper ventilation to reduce the reliance on air conditioning systems
- Invest in energy-efficient office equipment, such as computers, printers, and copiers with Energy Star or equivalent certifications
- Ensure that employees turn off electronic devices when not in use and activate power-saving features on computers, monitors, and other electronic devices
- Use smart power strips to automatically cut off power to peripherals when not in use
- Conduct an energy audit to identify areas where energy can be saved
- Liaise with landlord regarding insulation in the office to reduce heating and cooling energy consumption.
- Install weather stripping around doors and windows to prevent drafts
- Choose eco-friendly office supplies that are made from sustainable materials and have minimal environmental impact

Supply chain sustainability

- Collaborate with suppliers to understand and reduce the carbon footprint of our supply chain
- Prioritise environmentally friendly and sustainable sourcing practices
- Where possible, prioritise local sourcing
- Work with suppliers to minimise packaging and adopt eco-friendly alternatives

Transportation

- Optimise logistics to reduce transportation-related emissions including both order fulfilment logistics and service and sales-related visits to customers
- Where possible, consolidate shipments to minimise the number of trips and maximise vehicle capacity
- Consider electric and hybrid options at next company vehicle purchase
- Regularly maintain and service staff vehicles to ensure optimal fuel efficiency
- Encourage remote working to reduce the need for daily commuting and utilise virtual meeting platforms to minimise business travel



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Waste Management

- Monitor the current recycling program to further reduce waste and overall environmental impact
- Switch to the use of sustainable and recyclable materials in product packaging
- Re-use packaging and stationery items wherever possible

Employee engagement

- Raise awareness among employees about the importance of energy conservation to foster a culture of environmental responsibility among employees
- Provide training on best practices for energy efficiency and how to use office equipment optimally to empower employees to contribute to GHG reduction efforts

Monitoring and reporting

- Conduct annual assessment of GHG emissions to track progress towards reduction targets
- Consider engaging external experts to verify our emissions data and reduction achievements

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

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:

Signed by Kate Nolan on 24 March 2024

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

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

³<https://ghgprotocol.org/standards/scope-3-standard>