



GRESHAM



GRESHAM CARBON REDUCTION PLAN

GRESHAM PPN-06/21

1ST JAN 2022 TO 31ST DEC 2022



Gresham Office Furniture Limited - Carbon Footprint Statement and Carbon Reduction Plan

About Us

We have been designing workspaces and furniture since 1976. Always ahead of the curve, some clients have been with us since the very beginning, appreciating the products and design service we offer.

We employ more than 250 people based from a 200,000 sqft office and factory space in Greater Manchester. Our Investors in People award demonstrates how much we value our workforce. They are expertly skilled to design, produce and install superb workspace furniture. Owned and run by family members, we are proud to be a “True UK Manufacturer” and share with you the benefits of high-quality British goods.

As well as clients across the UK, we now serve markets in the Middle East via showrooms in Abu Dhabi and Oman. Gresham was awarded “Best Newcomer” in the International Trade Awards.

Commitment to Achieving Net Zero

Gresham Office Furniture Limited is committed to achieving Net Zero emissions by 2050. Furthermore, through our Carbon Reduction Plan we are targeted to achieve Net Zero emissions by 2042.

Scope 1 emissions (direct emissions at site or from company owned or operated assets) represent 59.1% of our total in-scope emissions. Therefore, achieving the 2050 target will mostly require us to upgrade the current vehicle fleet to a fleet powered by renewable energy sources. Further improvements across the three emission scopes will come about as a matter of course (via UK Gov targets and requirements, evolution of industries, new regulations etc.) and will require active engagement by us with our suppliers and staff as well as development of supply chain and operational policy.

Since the baseline year 2018, we have made strides towards the implementation and development of various carbon reduction activities, and we are confident that we can achieve business growth without the same subsequent increase in our emissions.

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: 1st January 2018 to 31st December 2018	
Additional Details relating to the Baseline Emissions calculations.	
We have made a comprehensive audit of the included scope emissions from this baseline year in order to get a full impression of business as usual. Our projections are based on growth of the business which are reflected in our Business-As-Usual CO ₂ emissions. We have made these calculations based on our Financial Control over our emissions.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	1,187.3
Scope 2	648.3
Scope 3 (Included Sources)	228.3 This includes the following sources which are within the inclusion categories for Scope 3: <ul style="list-style-type: none"> • Upstream Transportation and Distribution • Waste Generated in Operations • Business Travel • Employee Commuting Note: All Scope 3 Downstream Transportation and Distribution was carried out by our own fleet and those emissions have been captured in the Scope 1 calculation.
Total Emissions	2,063.8 (tCO₂e)

Current Emissions Reporting

Reporting Year: 1 st January 2022 to 31 st December 2022 (Financial Year)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1,007.6
Scope 2	378.3
Scope 3 (Included Sources)	318.6 This includes the following sources which are within the inclusion categories for Scope 3: <ul style="list-style-type: none"> • Waste Generated in Operations • Business Travel • Employee Commuting • Upstream transportation and distribution • Downstream Transportation and Distribution
Total Emissions	1,704.5 (tCO₂e)

Emissions Reduction Targets

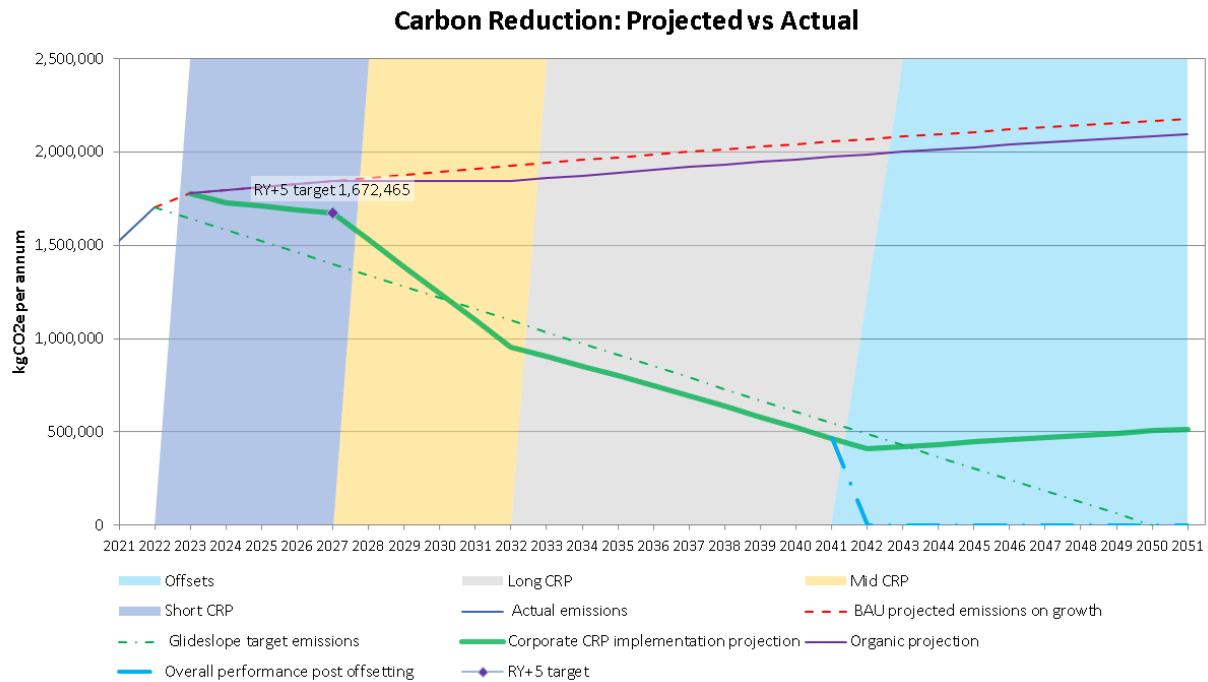
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that our Business As Usual (BAU) carbon emissions will increase over the next five years to 1845.9 tCO₂e by FY2027. This is an 8.3% increase in our BAU emissions due to the growth of our business.

However, our current strategy is to make emissions reductions via a 3-stage CRP and concluding with zero emissions by 2050 at the latest. It is our current intention to practicably minimise all emissions by 2042. From that point we aim to offset all residual emissions such that our carbon footprint defined by this PPN is zero from 2042 through to 2050.

Therefore, with taking our reduction actions into consideration, we project that carbon emissions will decrease over the next 5 years to 1672.5 tCO₂e. This is a reduction of 9.4% against BAU.

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



Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2018 baseline:

- Our LED lighting and controls have been upgraded.
- Our compressors have been checked and compressed air leaks have been fixed.
- We are exploring the potential for automating our machine shop operations. This endeavour represents a significant £1million investment.
- Our fleet of vans now meets the Euro 6 standard, effectively lowering harmful emissions.
- We are currently in the process of deploying a new ERP system, a strategic investment of £1.5 million, which will enhance our understanding of our CO₂ emissions.

In addition, by conducting this PPN 06/21 annually, we are able to understand where our emissions hotspots are and how to counteract these. We are also considering conducting an energy audit of our main site, to scan for further energy efficiency measures to lower our Scope 1 and 2.

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

- **Increased car sharing for commuting, short term, corporate delivery**

When commuting takes place, we will encourage the implementation of car sharing between employees to reduce individual commuting emissions and in turn decrease our overall emissions.

- **Video conferencing reducing business travel, short term, corporate delivery**

More and more of our business meetings will be held using video conferencing, therefore avoiding unnecessary travel emissions.

- **Comprehensive energy efficiency programme at site, short term, corporate delivery**

We aim to continue reevaluating our on-site energy efficiency programmes as a means of reducing carbon emission and utility cost.

- **Waste reduction schemes through better packaging etc., short term, corporate delivery**

We have made great steps to eliminate waste to landfill and now all of our waste goes through recycling schemes. We aim now to reduce waste further through better packaging.

- **Purchase renewable electricity, mid-term, corporate delivery**

We will aim to switch all electricity tariffs to green tariffs with 100% REGO backed renewable electricity, to reduce emissions from purchased electricity.

- **Decarbonisation of all heating assets - elimination of gas, mid-term, corporate delivery**

We recognise that fossil fuels for heating will gradually be eliminated during the 2030s and we will seek to find alternative heating technologies, such as heat pumps, infrared panels, etc.

- **Decarbonisation of all heating assets - additional electricity usage, mid-term, corporate delivery**

Alongside introducing heat pumps and infrared panels, electric alternatives will also be introduced to decarbonise our heating assets, such as electric boilers.

- **On site renewable electricity installations, mid-term, corporate delivery**

We aim to utilise available space at our sites to install on-site renewable energy sources.

- **Conversion of all freight vehicles to EV - elimination of diesel, long-term, corporate delivery**

As electric vehicle technology improves, it should be both economically and sustainably advantageous to migrate to complete electric vehicle use. In the interim, selection of hybrid vehicles will provide a short-term solution.

- **Conversion of all freight vehicles to EV - additional electricity usage, long-term, corporate delivery**

Switching to EV vehicles will increase electricity usage, however we will seek renewable energy contracts to reduce these electricity emissions.

- **Improvements in downstream transportation vehicle emissions, mid-term, external delivery**

We anticipate that the companies we use to deliver our goods to end users will improve their carbon emissions over the next 10-20 years, improving energy efficiency and switching to renewable energy sources.

- **Improvements in upstream transportation vehicle emissions, mid-term, external delivery**

We anticipate that the companies we use to deliver materials to us will improve their carbon emissions over the next 10-20 years, improving energy efficiency and switching to renewable energy sources.

We also anticipate some changes in UK industry which will help us to reduce our carbon footprint:

- Improvements in public transport
- Improvements in municipal waste management systems

Furthermore, in future we aim to improve our carbon emissions monitoring and to undertake a full carbon footprint assessment.

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.....

Name..... Julian Roebuck

Position..... Managing Director

Date: 14/11/2023

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>