

Carbon Reduction Policy and Plan

Our Commitment to Achieving Net Zero

Galson Sciences Limited (GSL) is committed to achieving net zero carbon emissions by 2050. Furthermore, we are committed to integrating sustainable development into everyday practice by minimising environmental impact wherever possible.

Our Carbon Reduction Plan covers our strategies for management and reduction of our business-related carbon emissions. This version of the Plan documents baseline year information; sets targets for reducing carbon emissions over different timeframes, and identifies planned projects to achieve net zero carbon emissions by 2050.

As a largely desk-based business, we will work with our employees, suppliers, and contractors to embrace this plan and to collaboratively achieve the overall goal of net zero carbon emissions by 2050.

The points below show the journey we are taking:

- GSL carbon emissions were 20.7 tonnes in the baseline year.
- We aim to reduce our carbon emissions by 25% by 2030.
- We are contracted with ENGIE for gas/electricity; ENGIE has a goal of net zero carbon emissions by 2045 and of supporting its customers' decarbonisation in relation to production, process, and supply.
- Several staff training and behavioural change projects have been identified that will work to achieve net zero emissions by 2050.

Baseline Emissions Footprint

Baseline emissions are a record of the carbon emissions 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: 1 June 2021 – 31 May 2022

Due to the Covid pandemic in the period 1 April 2020 – 31 May 2021, there were few carbon emissions produced by our office/employees with limited commuting and almost no business travel, our largest sources of emissions. Our baseline year commences at the time staff started to return to our offices, at least on a part-time basis. Although we have identified this as a baseline year for the purpose of this initial plan, carbon emissions were in fact significantly lower than in 2019 and previous years as few staff were in the office full time and business travel was still at a much reduced level (compared to 2019 and earlier years). However, we expect this to be part of a long-term trend towards more hybrid working (home/office) and reduced business travel, but this still represents a very aggressive choice for baseline year, and we will re-evaluate the choice of baseline year when this plan is reviewed, and additional data are available.

Baseline year emissions: Emissions are broken down into three scope areas in line with government reporting standards.	Emissions (tCO₂e)
<p>Scope 1 Direct Emissions</p> <p>Company Facilities: GSL rents all its office space. Building-specific data are the responsibility of the building management company and are excluded from this report to avoid double reporting and because they are outside the immediate control of the company.</p> <p>Company Vehicles: We do not have any company vehicles, so there are no emissions from this category included in our emissions data.</p>	<p>0</p> <p>0</p>
<p>Scope 2 Indirect Emissions</p> <p>Gas / Electricity purchased for our offices, based on energy invoices/meter readings. As more staff are now working part-time or full-time from home, there will be additional indirect emissions from heating and light in homes. However, these emissions are considered outside the scope of this assessment as they are outside company control.</p>	<p>1.9</p>
<p>Scope 3 Indirect Emissions (Downline) (Included Sources)</p> <p>Water Supply/Treatment based on Water Supply invoices/meter readings. Waste generated in operations – carbon emissions associated with treatment and disposal of waste we generate is reported by our waste company and the treatment of such waste is outside our control, so is not included in this category in our emissions data.</p> <p>Business Travel – road, air, rail miles and hotels based on actual travel miles and hotel stays by country.</p> <p>Employee commuting – emissions calculated based on an average commuting week by employee, considering number of days in the office, distance between home and office, and mode of transport.</p>	<p>0.01</p> <p>3.9</p> <p>14.9</p>
Total Emissions	20.7

Emissions Reporting Year

Current baseline reporting is 1 June 2021 to 31 May 2022 for the reasons set out in the table; however, we are considering changing measurement year to a calendar year basis from 2023, with CY2022 to be reported in early 2023.

Emissions reduction targets

We elected to start our carbon footprint reporting post-Covid pandemic as during 2020 and 2021 there were few carbon emissions produced by our office/employees with limited business travel and commuting. This is therefore our first report of carbon footprint. We generally have

10-12 employees working from our offices on any one day, with a similar number working from home.

To continue our progress to achieving net zero, we have adopted the following carbon reduction targets.

- We aim to cut our net carbon emissions by 1/4 over the next eight years to 15.5 tCO₂e by 2030.

This will mainly be achieved by reduced commuting emissions. With electric cars becoming more mainstream and government initiatives to stop the sale of new non-electric cars, we anticipate that most, if not all, employees will have an electric car by 2030.

Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented during the 2021 baseline period:

- We have implemented a new Environmental Management System framework equivalent to ISO14001 to improve sustainability and emissions reduction.
- We have installed Microsoft Office 365 Teams on company laptops and GSL employees now use Microsoft Teams routinely to conduct client (and staff) meetings, and only travel to client offices when necessary. Business travel has very significantly reduced compared to pre-pandemic years.

In addition, GSL employees have always been encouraged to travel by train rather than car for UK meetings or rather than air for overseas meetings, when business circumstances permit. Furthermore, the company has long operated a cycle to work scheme to encourage commuting by bicycle rather than by car.

For the future we are evaluating the possibility of implementing further measures such as:

- Increased alignment with Egis Group (our parent company) carbon reduction policies, and inclusion in their Carbon Reduction Plans within their Environmental Programme 2021-26 Climate and Biodiversity Roadmap.
- A typical passenger vehicle emits about 4.6 metric tons of carbon dioxide per year which varies based on vehicle type, fuel type, driving style and the number of miles driven per year. We are looking into more accurate measurement of carbon emissions by person/car for commuting rather than use of standard assumptions.
- Educating staff about the benefits to the environment of driving more efficiently - for example, limiting use of air conditioning, periodic checking of tyre pressure, smooth acceleration and braking, and avoiding excess speed.
- Installation of motion sensor lighting controls within the offices to reduce energy consumption.

Declaration and Sign Off


This Carbon Reduction Plan has been completed in accordance with UK Government standard 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 standard² and are based on UK Government emission conversion factors for greenhouse gas company

reporting¹. Scope 2 emissions have been reported in accordance with Streamlined Energy and Carbon Reporting guidance, 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) Standard².

This Carbon Reduction Plan has been reviewed and signed off by the GSL Managing Director.

Signed on behalf of Galson Sciences Ltd:

Signature: 
Dr Daniel Galson
Managing Director

Date: 29 June 2022

¹ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

² <https://ghgprotocol.org/standards/scope-3-standard>