Carbon Reduction Plan

Commencement Summary • July 2024

helena Biosciences Europe

Our Commitment

Helena Biosciences Europe is committed to achieving Net Zero emissions by 2045.

What does Net Zero mean in practice?

To achieve Net Zero, we will be aiming to reduce emissions in line with the latest science-based targets (SBTs). SBTs are greenhouse gas reduction goals set by organisations and they are defined as “science-based” when they align with the scale of reductions required to limit global temperature increases to 1.5°C compared to pre-industrial temperatures.

As this commitment coincides with significant new investment into products, staff and facilities along with an expected scaling of our operations, Helena Biosciences will endeavour to continue providing realistic metrics that accurately reflect our progress towards Net Zero.

Helena Biosciences has measured our Scope 1, Scope 2 and a subset of Scope 3 categories.

Our near-term targets:

- Reduce scope 1 and 2 emissions by 42% by 2030
- Reduce scope 3 emissions by 30% by 2030
- Measure all scope 3 categories by 2026

Our long-term targets:

- Reduce our total market-based emissions (scope 1, 2 and 3) by at least 90% by 2045
- Neutralise any residual emissions using verified carbon offsets

Scope 1 emissions: direct greenhouse gas emissions that occur from sources owned or controlled by a company, such as emissions from the combustion of fuels in on-site boilers, furnaces, or vehicles.

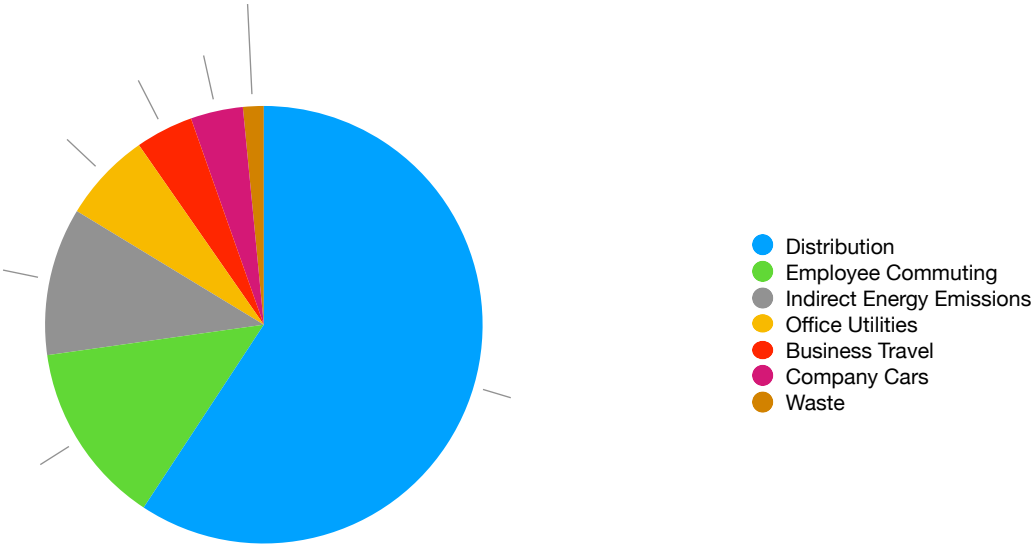
Scope 2 emissions: indirect greenhouse gas emissions that result from the generation of purchased electricity, steam or other forms of energy consumed by a company.

Scope 3 emissions: all other indirect greenhouse gas emissions that occur in an organisation’s value chain, including emissions from upstream and downstream activities.

Our carbon footprint

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. We have chosen to set our baseline year as 1st July 2022 – 30th June 2023.



Current emissions reporting

Current Reporting Year: 2022-23	
Emissions	**Total (tonnes CO_2e)**
Scope 1	72.4
Scope 2*	Market-based: 0.0 Location-based: 52.9
Scope 3 including: • Fuel & Energy Related Services • Business Travel • Transportation & Distribution (Upstream & Downstream) • Employee Commuting & Homeworking • Operational Waste & Water • Leased Assets (Upstream & Downstream)	616.6
Total Emissions*	**Market-based: 689.0** **Location-based: 741.9**

** Our total emissions equate to a Carbon Intensity Metric of 7.3 tCO2e per full-time employee equivalent (FTE) based on 94.0 FTEs during the measurement period (using market-based emissions).*

Carbon Reduction

Our Net Zero targets

Helena Biosciences is committed to achieving Net Zero by 2045. To achieve Net Zero under this scenario, we will need to reduce our absolute emissions by 90% from our baseline year. To keep us on track, we have also set the following near-term targets to 2030.

Our near-term targets:

- Reduce scope 1 and 2 emissions by 42% by 2030
- Reduce scope 3 emissions by 30% by 2030
- Measure all scope 3 categories by 2026

Our long-term targets:

- Reduce our total market-based emissions (scope 1, 2 and 3) by at least 90% by 2045
- Neutralise any residual emissions using verified carbon offsets

Progress

In terms of calculated carbon emissions, there are not yet any previous existing carbon emission reduction targets against which to report progress.

Activity	Scope	Date
Commit to measuring carbon footprint of business activities year on year to gain an understanding of pinch points and regularly be making efficient and direct improvements to reduce these emissions. Year 1 appointed Positive Planet to support with calculating baseline carbon footprint and reduction recommendations.	1,2,3	2023
Created a management team to lead initiatives. This team has been made up of members from different departments to support the roll out of initiatives and management of data, this includes sharing and collaborating throughout the organisation.	1,2,3	2023
Changed to a more efficient heating system at our headquarters, reducing fuel consumption.	1,3	2023
Procured a 100% renewable electricity tariff at all our sites. This change reduced market-based emissions from our previous tariff to 0 tCO2e.	2,3	2020
Adopted automated lighting in our offices to minimise energy usage.	2,3	2022
Promotion of carbon-considerate decision making at management level, prioritising more sustainable business activities: Digital communications Online meetings and conferences Adoption of electric company cars Reduction of air travel	3	2022
Liaised with key suppliers so that they ship with the minimal amount of packaging needed to secure the product where possible.	3	2022
Prioritise online training and support for new products (for example virtual training tools, electronic training programmes).	3	2024

Future Carbon Reduction Plans

As part of a broader review and investment into our operations, the following initiatives are under review for implementation during the initial 5 years of the Plan.

Scope 1 and 2

Activity	Scope
More efficient temperature management for main buildings, including absolute reductions in energy usage, installation of reflective coatings to reduce both air conditioning and heating requirements, and reconfiguration of rooms to maximise efficient temperature control.	1, 2
Automation and electronic monitoring of production processes to increase yields and reduce operational energy usage per product manufactured.	1, 2
Upgrade information management systems to reduce paper-based working methods, increase operational efficiencies and permit more intelligent planning.	1, 2
Reduction of field-based activities such as on-site training, in-person sales meetings and support visits, by adopting electronic and online systems such as apps and improved web-based support tools.	1, 2
Utilise automation and AI in conjunction with improved online tools to optimise travel requirements (by scheduling travel to reduce journey lengths, and combine multiple visits where possible).	1, 2
Implement active product performance monitoring to reduce the need for unplanned call-outs, and to increase overall uptime for products worldwide.	1, 2
Total location-based electricity emissions (National Grid energy mix) are still 52.9 tCO2e, so there is still an opportunity to reduce energy use. We will introduce clear messaging to turn off lights, computers, monitors and other electrical components when not in use. High-level monitoring of energy use to be implemented.	1, 2
Implement energy efficiency measures to reduce the overall amount of electricity consumed at sites, thereby optimising operational procedures e.g: • Installing timers on sockets/equipment • Reviewing and renewing inefficient equipment (when at end of life), and actively consider the energy efficiency of equipment when new purchases are required (eg laptops, fridges, dishwashers, machinery) • Invite colleagues from different sites to openly explore challenges and barriers to collaboratively find solutions for reduction.	1, 2
Consider installation of on-site renewable energy generation technologies such as solar PV panels, solar heating, heat pumps (following an energy audit to assess feasibility and payback periods), to generate 100% of heating and energy demand. Consider removing on-site stationary combustion (gas) heating.	1, 2
Conduct a review of company vehicles to outline a strategy for eventual company vehicle electrification.	1, 2
Consider the prospect of driver-efficiency training for company car users.	1, 2

Scope 3

Activity	Scope
Commit to measuring the remaining Scope 3 categories, meaning that year's carbon emissions measurement will be a full picture of Helena Biosciences' carbon impact. Currently, the largest missing categories are purchased goods and services (including stock), capital goods, downstream product emissions, and investments. This means that once these are measured, specific reduction activities targeted at these categories will be able to be created.	3
Consider training and engagement for the management team, leadership, and the wider employee base. Including and not limited to, creating spaces and recognition for environmental positive conversations (intranet, newsletters, slack, Teams etc), certified Carbon Literacy Training for all applicable to roll out to further workforce and share with externals where appropriate. On average, certified learners reduce their carbon footprints by 5-15%, of which ~50% are work-related.	3
Implement a Sustainable Procurement Policy. Encourage suppliers to adopt sustainable practices and improve their own carbon footprint through supplier engagement, procurement policies and contracts, and monitoring reporting mechanisms. Commit to a Sustainability Audit or Survey to request further information regarding credentials – Plan to send these to the top 10/20 suppliers by spend. This data collection will support reduction journey by gathering important data for future measurement & encourage supply chain integration towards Net Zero. Complete this audit within two phases: • Identify suppliers for engagement • Formulate and collect data (survey/scoring) Once completed prioritise suppliers with lower carbon footprints as part of the above phased approach. Develop and monitor procurement policy for all new suppliers to align to Net Zero goals.	3
Review logistics partners/couriers and utilise the above Sustainable Procurement Policy. Work with providers to gather their emissions data, and/or switch to lower-carbon providers.	3
Strengthen our Sustainable Travel Policy, whilst also supporting active travel and low emission travel options where appropriate. Monitor and consider further alternatives to air-based business travel, and commit to offering support to workforce with options for active travel schemes, such as bike to work or car sharing opportunities. Consider creative ways to engage and support the workforce to influence change. Examples include setting an internal organisation carbon credit scheme (limit that to a number of tCO2e per year), extra holiday days for low emission travel choices, bonuses, subsidised travel, equal mileage payments for diesel/petrol/EVs/cycling.	3
Conduct a review of modes of transport our different products use to get to customers (especially those who are international), to ensure we are using the lowest carbon method possible for each product. As a rough rule, to only use air for time-sensitive products (such as reagents), whilst using road and sea transport insofar as much as possible for all other products (such as machinery and equipment). Consider offering customers currently arranging their own shipping the choice to switch to Helena Biosciences-arranged shipping (with shipping costs passed on). This will allow us the control of choosing the lowest carbon method of delivery for these products.	3

Towards the future

This commitment to continual review and improvement strategies allows for Helena Biosciences to reduce its overall carbon footprint in line with requirements and operate in a sustainable manner and continually improve its overall carbon footprint wherever possible.

Having adopted in 2022 the commitment to achieving Net Zero, we have set out the following schedule of activities, based on our financial reporting year ending 30th June:

2022–2023	Measurement of carbon-emitting activities to form our reporting baseline figures
2023–2024	Review of data and development of Carbon Reduction Plan
2024–2025	First full year of plan, ending with publication of Year One Review

Summary

The adoption of Net Zero is an ambitious commitment for organisations of all sizes. Helena Biosciences are serious about implementing genuinely effective, targeted and useful measures as part of this work — and to provide accurate periodic assessments of our progress.

We will publish additional reviews, reports and supplementary data on our website as new information becomes available.

Helena Biosciences Management Team
July 2024