



Cabinet Office

CARBON REDUCTION PLAN GUIDANCE

Notes for Completion

Where an In-Scope Organisation has determined that the measure applies to the procurement, suppliers wishing to bid for that contract are required at the selection stage to submit a Carbon Reduction Plan which details their organisational carbon footprint and confirms their commitment to achieving Net Zero by 2050.

Carbon Reduction Plans are to be completed by the bidding supplier¹ and must meet the reporting requirements set out in supporting guidance, and include the supplier's current carbon footprint and its commitment to reducing emissions to achieve Net Zero emissions by 2050.

The CRP should be specific to the bidding entity, or, provided certain criteria are met, may cover the bidding entity and its parent organisation. In order to ensure the CRP remains relevant, a Carbon Reduction Plan covering the bidding entity and its parent organisation is only permissible where the detailed requirements of the CRP are met in full, as set out in the Technical Standard² and Guidance³, and all of the following criteria are met:

- The bidding entity is wholly owned by the parent;
- The commitment to achieving net zero by 2050 for UK operations is set out in the CRP for the parent and is supported and adopted by the bidding entity, demonstrated by the inclusion in the CRP of a statement that this will apply to the bidding entity;
- The environmental measures set out are stated to be able to be applied by the bidding entity when performing the relevant contract; and
- The CRP is published on the bidding entity's website.

Bidding entities must take steps to ensure they have their own CRP as soon as reasonably practicable and should note that the ability to rely on a parent organisation's Carbon Reduction Plan may only be a temporary measure under this selection criterion.

The Carbon Reduction Plan should be updated regularly (at least annually) and published and clearly signposted on the supplier's UK website. It should be approved by a director (or equivalent senior leadership) within the supplier's organisation to demonstrate a clear commitment to emissions reduction at the highest level. Suppliers may wish to adopt the key objectives of the Carbon Reduction Plan within their strategic plans.

A template for the Carbon Reduction Plan is set out below. Please complete and publish your Carbon Reduction Plan in accordance with the reporting standard published alongside this PPN.

¹Bidding supplier or 'bidding entity' means the organisation with whom the contracting authority will enter into a contract if it is successful.

²Technical Standard can be found at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991625/PPN_0621_Technical_standard_for_the_Completion_of_Carbon_Reduction_Plans__2_.pdf

³Guidance can be found at:

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/991623/Guidance_on_adopting_and_applying_PPN_06_21__Selection_Criteria__3_.pdf

Carbon Reduction Plan

Supplier name:Biogen Idec Ltd.....

Publication date:July 2023.....

Commitment to achieving Net Zero

Biogen is committed to achieving Net Zero emissions by 2040.

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: 2019	
Additional Details relating to the Baseline Emissions calculations.	
Baseline year emissions: 2019	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	67,031
Scope 2	131
Scope 3 (Included Sources)	Scope 3, Total - 427,319 Scope 3, Category 4 Upstream transportation - 16,370 Scope 3, Category 5 Waste generated in operations - 645 Scope 3, Category 6 Business travel - 24,083 Scope 3, Category 7 Employee commuting - 9,040 Scope 3, Category 9 Downstream transportation – 2,665

Total Emissions	491,545
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Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (tCO_{2e})
Scope 1	64,867
Scope 2	335
Scope 3 (Included Sources)	Scope 3, Total – 439,975 Scope 3, Category 4 Upstream transportation – 13,622 Scope 3, Category 5 Waste generated in operations – 302 Scope 3, Category 6 Business travel – 10,502 Scope 3, Category 7 Employee commuting – 13,919 Scope 3, Category 9 Transportation of sold product – 2,218
Total Emissions	499,837

Emissions reduction targets

In 2021, Biogen advanced efforts to go beyond net zero and eliminate all fossil fuels from operations, beginning with zero emissions by 2040 – the first Fortune 500 company to set that ambitious Science Based Targets initiative (SBTi)-approved goal.

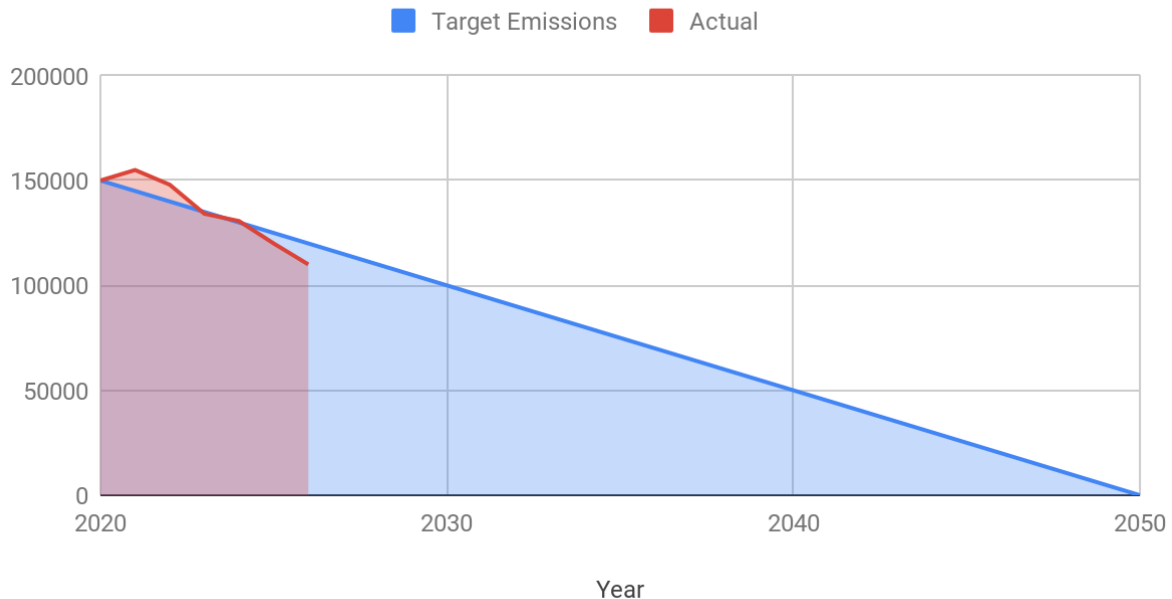
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

- 100% renewable electricity (RE) by 2040. We achieved this in 2014 and have sustained every year since.
- Established new green chemistry targets, with interim target of 100% Biogen lab participation in My Green Lab with 50% receiving Green certification or higher by 2025.
 - We're ahead of schedule on this target.
- Reduce scope 3 emissions 90% by 2045 from a 2019 base year

- Interim target for 80% of suppliers by spend to set science-based targets on climate by 2025.
- 90% of suppliers by spend to use 100% renewable electricity
 - Interim target of 50% of suppliers by spend to use 100% renewable electricity by 2030.

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

Carbon Reduction: Projected vs. Actual



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Since the 2019 baseline, Biogen has implemented a number of environmental management measures, which are detailed in our annual ESG reports. These include:

- A significantly expanded approach to **sustainable drug development**. Biogen's Principles of Sustainable Drug Development are designed to promote efficiency, sustainability, and health and safety in our processes to discover, develop and manufacture potentially life-changing therapies. It includes guidelines to minimize the use of natural resources and avoid waste. As part of this effort, we have engaged with My Green Lab, a certification recognized by the United Nations' Race to Zero campaign for setting the standard for best practices in laboratory sustainability. 93% of participating labs obtained a gold certification or higher and, as of Q1 2023, 81% of Biogen labs have achieved My Green Lab certification. In addition, Biogen has completed a life cycle assessment (LCA) of three biosimilars products: BENPALI™, FLIXABI™ and IMRALDI™.
- Biogen continues to sustain efforts to **reduce carbon emissions across Biogen operations**. In 2020, Biogen became the first U.S. pharmaceutical company to join the Business Ambition for 1.5, with a SBTi-approved target of zero emissions from Biogen operations by 2040. We continue to invest in 100% renewable electricity and in

2022 announced a renewable electricity purchase equivalent for one-third of the electricity use of our U.S. operations. This complements efforts that include onsite generation, direct purchase of green power, virtual power purchasing agreements (VPPAs) and purchasing unbundled renewable energy credits (RECs). Biogen also is part of the EV100, which promotes widespread adoption of EVs, reducing street-level emissions and promoting human health. Today, our EV program spans 15 countries, and we have installed EV charging stations in multiple Biogen locations. In 2022, Biogen became one of the inaugural customers for JetBlue's Sustainable Travel Partners program, reducing business travel emissions. As of Dec. 31, 2022, we had achieved a 3% absolute reduction in scope 1 and 2 emissions from a 2019 baseline year.

- Engaging suppliers to increase efficiency and reduce environmental impact is critical to our target of achieving a **net zero supply chain by 2045**. By the end of Q1 2023, 37% of Biogen's top 50% of suppliers, by spend, had committed to 100% renewable electricity by 2040, an increase from the 26% with commitments at the same time in the prior year. In addition, 22.6% of Biogen's top 80% of suppliers, by spend, had set Science Based Targets initiative (SBTi)-approved climate targets, an increase from the 18% with SBTi-approved targets in Q1 2022. In 2019, Biogen recorded 424,592 MT CO₂e across all categories of scope 3, and 434,635 MT CO₂e in 2022. In an effort to accelerate action, in 2022, Biogen launched EcoVadis, a tool to track supplier ESG risks and assess progress throughout the value chain. With nearly a dozen other pharmaceutical and biotech companies, Biogen also supported Energize, a program to increase access to renewable energy for the sector's supply chain. Through Energize, pharmaceutical suppliers can learn more about the renewable energy market, with the long-term goal of decarbonizing the sector.

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 standard⁴ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting⁵.

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) Standard⁶.

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:

DocuSigned by:

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⁴<https://ghgprotocol.org/corporate-standard>

⁵<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁶<https://ghgprotocol.org/standards/scope-3-standard>

Managing Director

Biogen

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30-Sep-2023

Date: