



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 Template

Supplier name: Biogen Idec Ltd

Publication date: July 2024

Commitment to achieving Net Zero

Biogen is committed to achieving zero emissions (scopes 1 and 2) by 2040 and a net zero value chain by 2045.

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: 2023	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	13,513
Scope 2	373
Scope 3 (Included Sources)	Scope 3, Total - 304,105 Scope 3, Category 4 Upstream transportation - 10,609 Scope 3, Category 5 Waste generated in operations - 503 Scope 3, Category 6 Business travel - 10,740 Scope 3, Category 7 Employee commuting / employee work from home - 13,513
Total Emissions	361,715

Emissions reduction targets

Biogen committed to:

- 2014: sustain 100% renewable electricity (sustained to date)
- 2025: 80% of suppliers by spend to set science-based targets on climate
- 2030: 50% of suppliers by spend to use 100% renewable electricity by 2030
- 2032: reduce absolute scope 1 and 2 GHG emissions 55%
- 2040: achieve zero GHG emissions from Biogen operations (scopes 1 and 2)
- 2045: achieve net zero GHG emissions across the value chain (scope 3)

The above targets are from a 2019 baseline year and have been validated by the Science Based Targets initiative.

In 2023, we began a strategic review of our greenhouse gas emissions reduction goals. That process is underway, and we remain committed to complying with all applicable regulatory requirements, including science-based climate targets and disclosures.

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Biogen continues to advance environmental management efforts, with the following measures and projects completed or implemented since 2019 (the company's baseline year). The carbon emission reduction achieved by these schemes equate to **129,830 tCO₂e**, a **26.4%** reduction against the 2019 baseline.

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

- **Products:** Biogen's Principles of Sustainable Drug Development promote health, safety and sustainability in our work to discover, develop and manufacture new medicines that could transform the lives of those who need our therapies. In 2023, we achieved several important product sustainability milestones, from our labs through to packaging and end-of-life.
 - For example, Biogen participated in the My Green Lab program, a certification recognized by the United Nations' Race to Zero campaign for setting the standard for best practices in laboratory sustainability. In 2023, 100% of Biogen labs were certified by My Green Lab, the first large biotech to achieve this milestone, with 54% achieving green designation, the highest possible in the program.
 - Biogen has completed life cycle assessments (LCAs) on three biosimilar products in four markets and several final formulations to TYSABRI® for a total of eight completed LCAs. Specifically, we quantified the potential environmental impacts of TYSABRI® (both subcutaneous and IV-administered), including land use, energy consumption, water use, greenhouse gas emissions and air pollution impacts for products distributed in four markets, including the U.K., analyzing topics that include: Material selection, from the weights and plastics for vials to boxes, cartons, leaflets and labels; energy use, including manufacturing, distribution and cold storage; medical waste and disposal, including incineration at end-of-life. We are also working to evaluate alternative materials and approaches for primary medicine delivery with a reduced environmental footprint.
 - In 2023, Biogen began evaluating the use of PVC alternatives to advance our long-term goal of more sustainable primary product packaging, including the next generation of medicine-delivery mechanisms. We also made progress on removing plastic material from our secondary packaging, evaluating options for our legacy packaging programs and working closely with external experts to develop innovative materials.
- **Operations:** Biogen continues to sustain efforts to reduce carbon emissions across Biogen operations.
 - Since 2014, we have continued to invest in 100% renewable electricity across our sites and offices. Our approach includes direct purchase of green power, virtual power purchasing agreements (VPPAs) and purchasing unbundled renewable energy credits (RECs).

- To ensure we remain in line with evolving expectations, we engage in a detailed external audit every few years. Our North Carolina sites continue to be recognized by the Carolina Star Program, and our Solothurn facility is ISO 14001 and 45001 certified.
- To help evaluate future sustainability improvements to our manufacturing processes, we developed a Green Scorecard that incorporates insights around efficiency and safety, two dimensions of process sustainability. We quantify process efficiency using different iterations of the process mass intensity (PMI) metric. The safety score relates to the relative safety of the raw materials used. We plan to implement the Green Scorecard to guide sustainability comparisons over the lifetime of relevant programs and between different initiatives, helping to identify opportunities for sustainable process improvements.
- **Value chain:** Engaging suppliers to increase efficiency and reduce environmental impact is critical to our target of achieving a net zero supply chain.
 - By the end of 2023, we had assessed hundreds of key suppliers representing the majority of our spend, with our Supply Chain Sustainability CLEAN (Conscious Logistic Environment Action Network) designed to incorporate environmental impacts into supplier decisions, including emissions associated with distribution and logistics, cold chain solutions and packaging materials. We track supplier commitments to renewable electricity and science-based climate targets.
 - As of April 2024, 26% of our top 50% of suppliers, by 2023 spend, had committed to 100% renewable electricity by 2040; and 32% of our top 80% of suppliers 1 had near- and/or long-term targets approved or pending approval by the SBTi.
 - In 2021, we helped to launch Energize, a program with the bold ambition to decarbonize the pharmaceutical sector. The program helps pharmaceutical suppliers learn more about and increase their access to the renewable energy market. By the end of 2023, the program had expanded to include 20 leading pharmaceutical and biotech companies.

We expect these measures to be in effect when performing the contract.

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


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

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

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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27-Aug-2024

Date:

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