



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: Bio Products Laboratory Limited (BPL)

Publication date: 24/09/2024

Commitment to achieving Net Zero

Bio Products Laboratory Limited is committed to achieving Net Zero emissions by 2050.

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 Emissions Reporting

Baseline Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	6,959
Scope 2	6,180 (location-based) 2,132 (market-based)
Scope 3 (Included Sources)	13,094 Category 3. Fuel- and energy-related activities Category 4. Upstream Transportation and Distribution Category 6. Business travel (employee-owned vehicles only) Category 9. Downstream Transportation and Distribution (UK to foreign dock/airport emissions only, as final destination is unknown)
Total Emissions	26,233 (Location-based) 20,053 (Market-based)

Emissions reduction targets

In order to continue our progress to achieving Net Zero, Bio Products Laboratory Ltd has engaged Zenergi Ltd and Johnson Controls International PLC (JCI) to identify initial carbon reduction opportunities.

On review of both the Zenergi ESOS Report and the JCI Report, opportunities have been identified to reduce the CO₂ emissions by more than 65% for scopes 1 and 2, by 2030.

Opportunities identified are undergoing engineering feasibility design to better establish the engineering viability of the schemes. As such the schemes are subject to change through the engineering design and evaluation process. The initial estimated timelines have been identified but not validated by third party industry specialist. However, initial estimated timelines for identified opportunities and reduction targets can be seen within Figure 1 below for Greenhouse Gas (GHG) Scope 1 Emissions Reduction.

The baseline considered for the GHG Scope 1 emissions reduction opportunities is related to 2023, when the CO₂ emissions were 6,959 tCO₂e as verified by Zenergi Ltd.

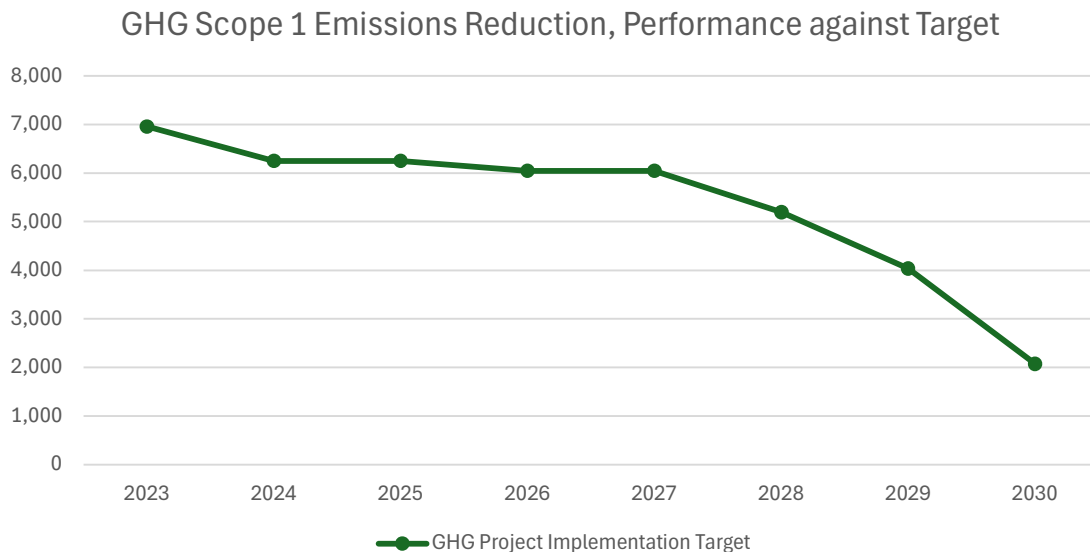


Figure 1 GHG Scope 1 emissions reduction performance against target

BPL was designated location-based for 2023, as the site electricity feed was made up of mixed generation sources, with approximately 64.4% zero-carbon electricity generation. In April 2024, BPL moved to a 100% certified zero-carbon electricity generation contract.

The opportunities identified through the Zenergi and JCI reports will further support energy consumption reduction, and as such, further reduce carbon emissions.

Initial estimated timelines for opportunity implementation and reduction targets can be seen within Figure 2 below for Greenhouse Gas (GHG) Scope 2 Emissions Reduction. The resulting GHG Scope 2 Emissions after the offset from the 100% certified zero-carbon electricity generation contract is represented on Figure 2 below.

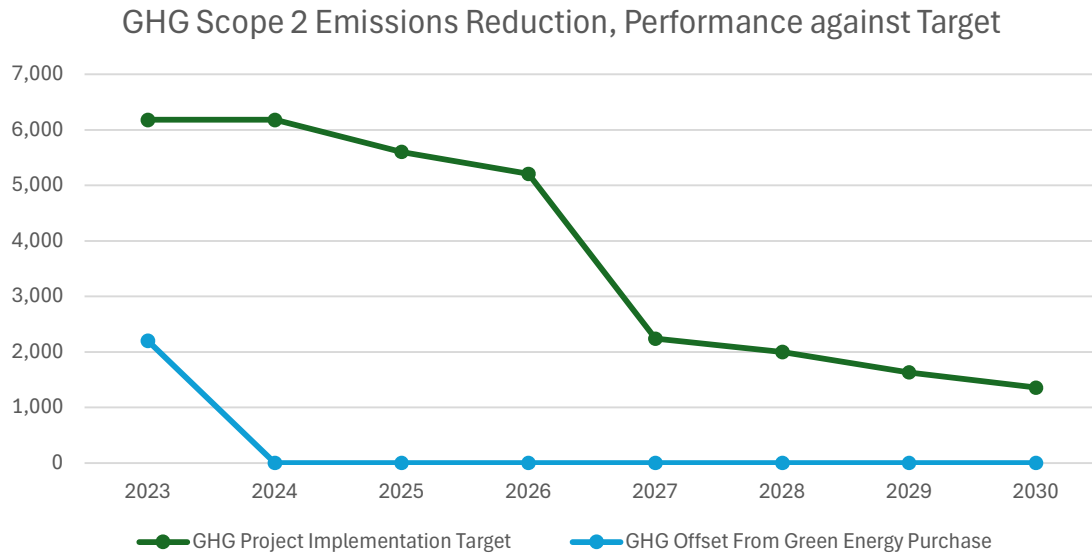


Figure 2 GHG Scope 2 emissions reduction performance against target

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

During 2022, BPL continued with the recommendations from the phase 2 ESOS audit. BPL commissioned an audit of the steam trap systems to identify savings. These steam projects are on-going as part of a 5-year action plan and in total are estimated to provide annual reduction of 346.71 tCO₂e as independently estimated by Spirax Sarco.

During 2023, BPL continued investment in its LED lighting, which will reduce the Company's electricity consumption and resulting carbon emissions.

During 2024, the Zenergi ESOS report and JCI Report was completed. Opportunities have been grouped within 5 programmes. These have been grouped into five programmes for further engineering design and evaluation. These groups are optimization of existing system projects, Capital Expenditure Upgrades, Heat decarbonisation projects, steam electrification projects and Photovoltaic (Solar) Panels.

Some elements of the capital expenditure upgrades are ongoing to meet the 2024 target shown in the two figures (Figure 1 and 2) above. BPL is in the process of further committing to allocating Capital Funding to deliver projects in line with its corporate objectives of achieving a 55% carbon reduction by 2030, and achieving net-zero by 2050, once the engineering design and evaluations are complete for each of the opportunities identified.

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:


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Date: 25th Sept 2024

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>