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 supplier[1] 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 Standard[2] and Guidance[3], 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.

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

[2]Technical 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

[3]Guidance 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: Biomet 3i UK, Ltd

Publication date: 27/02/2023

Commitment to achieving Net Zero

Biomet 3i UK, Ltd 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.

In 2022 the first calculation of the carbon footprint is carried out with the 2021 baseline year.

Baseline Year: 2021	
Additional Details relating to the Baseline Emissions calculations.	
In 2022 the first calculation of the carbon footprint is carried out with the 2021 baseline year.	
Baseline year emissions:	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**94.674**
Scope 2	**992.686**
Scope 3 **(Included Sources)**	**664.141**
Total Emissions	**1,751.502**

Current Emissions Reporting

Reporting Year: 2021	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**94.674**
Scope 2	**992.686**
Scope 3 **(Included Sources)**	**664.141**
Total Emissions	**1,751.502**

Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years to 90.44 tCO2e by 2025. This is a reduction of 5.2%

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Some of the initiatives have been carried out throughout the year 2021:

- Indoor Clean Point & Outdoor Mini-Ecopark
- Environmental awareness to all employees
- 100% Plastic and Cardboard Recycling
- Exclusive use of Recycled Paper
- LED lighting throughout the factory
- Recycling of 80% of ALL generated waste
- Zero Landfill Waste
- Social Responsibility (Collaboration with NGOs Environment)
- Implementation of **ISO 14001** Management System

The following environmental management measures and projects will be implemented from the 2021 baseline. The carbon emission reductions expected through these plans are equivalent to 90.44 tCO2e, a reduction of 5.2% from the 2021 baseline, and the measures will be in place when the contract is executed:

- Solar Panels (use of renewable energies)
- Water-air exchange technology on air conditioning equipment
- Electric chargers for bikes and skates
- Hot Loop heating process optimization
- RO plant optimisation (project to recovery a part of the reject water from de osmosis treatment plant)
- Recovery of hazardous waste
- Feasibility study to reduce acid solutions (hazardous waste)

Some details of a carbon reduction projects:

Photovoltaic solar self-consumption installation:

The implementation of a *Solar photovoltaic* installation allows an organisation to generate its own renewable electrical energy, with no emissions into the atmosphere. A large part of the energy generated is self-consumed by the organisation, reducing the energy purchased from the electricity supplier, and therefore the emissions linked to it.

In the case of ZimVie, a solar photovoltaic installation for self-consumption without surplus is planned at the headquarters of our factory in Valencia, with an installed capacity of 156.2 kWp. It is estimated that this installation can generate 243,827 kWh per year, of which 243,818 kWh would be self-consumed by the organisation (practically covering all needed consumption). This figure serves as an average value and may vary depending on the year and the weather conditions.

Therefore, the implementation of this measure would allow a reduction of 5.9% in the consumption of grid electricity at the Factory's headquarters in Valencia.

The estimated energy and GHG emission savings for ZimVie from the implementation of this measure by 2023 are 3.2% for Scope 1+2 and 3.

Replacement of extinguishing agent HFC-227ea:

HFC-227ea is used as an extinguishing agent for automatic fire extinguishing in the ZimVie production machines. This gas has a GWP of 3,350 which is somewhat high.

It is therefore advisable to replace the extinguishing agent with one that has a lower impact on the footprint. It is not necessary to replace the extinguishing agent all at once, but the extinguishing agent can be replaced as needed when the automatic extinguishing cylinders are emptied. A good option would be to replace it with IG-55 extinguishing gas, composed half of argon (IG-01) and half of nitrogen (IG-100). Both are inert gases naturally present in the atmosphere, so their GWP would be zero. However, it is left to the discretion of the company maintaining the extinguishing system, which can opt for another extinguishing agent, as long as it has a low GWP.

Therefore, the implementation of this measure would allow, after a period of time, the elimination of emissions due to the extinguishing agent HFC-227ea, with a total reduction of 100%. It should be remembered that emissions due to extinguishing agent leaks may vary from one year to another, depending on the use of the extinguishing system.

After the implementation of this measure by 2024, the estimated energy and GHG emission savings for ZimVie will be 2.0% for Scope 1+2 and 3.

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 standard[4] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[5].

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) Standard[6].

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: ……

[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