



Carbon Reduction Plan

Supplier name: Becton, Dickinson UK Ltd (BD UK Ltd)

Publication date: November 18, 2023

Commitment to achieving Net Zero

Becton, Dickinson and Company is committed to achieving Net Zero emissions by **2050**. Science based targets for scopes 1, 2 and 3 were submitted to the Science Based Targets initiative (SBTi) for verification in August 2023.

As a wholly owned indirect subsidiary of Becton, Dickinson and Company, **Becton Dickinson UK Limited** is equally committed to achieving Net Zero emissions by 2050, in alignment with its parent company's goals.



Baseline Emissions Footprint

Baseline Year: Scopes 1 and 2 – FY 2019; Scope 3 – FY 2021			
Emissions reported are worldwide for BD, of which BD UK Ltd (the bidding supplier) is a part of.			
EMISSIONS	TOTAL (tCO₂e)		
Scope 1	148,088 (market based)		
Scope 2	382,580 (market based)		
Scope 3 (Included Sources)	3.1, Purchased goods and services – 2,977,154 3.2, Capital goods - 417,477 3.3, Fuel- and energy-related activities (not included in Scopes 1 or 2) – 148,597 3.4, Upstream transportation and distribution – 629,222	3.5, Waste generated in operations – 20,772 3.6, Business travel – 36,612 3.7, Employee commuting – 20,400 3.8, Upstream leased assets – 754 3.9, Downstream transportation and distribution - 299,630	3.11, Use of sold products – 262,033 3.12, End-of-life treatment of sold products – 2,417,861 3.13, Downstream leased assets – 3,134 3.10 (Processing of sold goods), 3.14 (Franchises), 3.15 (Investments) – not relevant
Total Emissions	7,714,314		

Baseline Year: Scopes 1 and 2 – FY 2019; Scope 3 – FY 2021	
Emissions reported are for BD UK Ltd, comprising of the following locations – Winnersh, Crawley, and Plymouth	
EMISSIONS	TOTAL (tCO₂e)



Scope 1	BD UK Ltd – 554 (market based)
Scope 2	BD UK Ltd – 693 (market based)
Scope 3 (Included Sources)	3.4, Upstream transportation and distribution – 3998 3.5, Waste generated in operations – 803 3.6, Business travel – 346 3.7, Employee commuting – 918 3.9, Downstream transportation and distribution - 2047
Total Emissions	9,359



Current Emissions Reporting

Reporting Year: 2022			
Emissions reported are worldwide for BD, of which BD UK Ltd (the bidding supplier) is a part of.			
EMISSIONS	TOTAL (tCO₂e)		
Scope 1	152,299		
Scope 2	342,202		
Scope 3 (Included Sources)	3.1 – 3,128,376 3.2 – 87,249 3.3 – 148,181 3.4 – 601,174 3.5 – 20,725	3.6 – 62,029 3.7 – 20,400 3.8 – 619 3.9 – 286,273 3.11 – 281,742	3.12 – 2,355,929 3.13 – 1,940 <i>3.10, 3.14, 3.15 – not relevant</i>
Total Emissions	7,587,446		

Reporting Year: 2022

Emissions reported are for BD UK Ltd, comprising of the following locations – Winnersh, Crawley, and Plymouth



Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	BD UK Ltd – 551 (market based);
Scope 2	BD UK Ltd – 90 (market based)
Scope 3 (Included Sources)	3.4, Upstream transportation and distribution – 7914 3.5, Waste generated in operations – 945 3.6, Business travel – 114 3.7, Employee commuting – 918 3.9, Downstream transportation and distribution - 2269
Total Emissions	12,801



Emissions reduction targets

BDs 2030+ sustainability goals to address climate change include –

- We will commit to setting science-based emissions reduction targets across all scopes, in line with 1.5°C emissions scenarios and the criteria and recommendations of the Science Based Targets initiative.
- Reduce Scope 1 and 2 emissions by 46% by 2030 (from 2019 baseline, absolute).
- Be carbon-neutral across direct operations by 2040.
- Scope 3 emissions targets for material Scope 3 categories to be set in 2023.

At the end of 2020, we announced our first set of targets in the climate change impact area. Reaching these targets would reduce our contribution to global greenhouse gas emissions from direct operations. Our reduction target is science-based, aligned with the 1.5°C global emissions reduction pathway.

In September 2021, we strengthened our commitment to reducing emissions by joining the UN Race to Zero, via the Business Ambition for 1.5°C and Science Based Targets initiative (SBTi).

FY 2021 baseline emissions for Scope 3 have been established and targets for individual categories will be set in line with our science-based near- and long-term emissions reduction targets that were submitted to SBTi for verification in August 2023.

Further details about our climate change management programs – including our reporting aligned to the Taskforce for Climate-related Financial Disclosures (TCFD) can be found in our latest ESG report, available from <https://investors.bd.com/>.



Carbon Reduction Projects

BD

Scope 1 and 2 emissions reductions are being achieved at our facilities around the world through two mechanisms: energy demand reduction and increase use of renewable energy sources. In FY 2022, We have increased the number of sites using renewable electricity to 31. Of these sites, 17 are using 100 percent renewable electricity, five sites are using partial renewable electricity, and nine sites utilizing on-site renewables. Our reliance on unbundled renewable energy credits has decreased, with a focused shift to on-site solar, usage of renewable energy sources and equipment efficiency upgrades. In FY 2022, we implemented 74 projects that include updating building controls, HVAC replacements, lighting retrofits, machine replacements, process optimization and other efficiency upgrades in the production process and building operations. The projects were expected to generate \$827,000 annual savings in energy cost and 2,780 metric tonnes of CO₂e reduction starting in FY 2022 and into FY 2023.

To decrease Scope 3, category 1 emissions we have reached out to our top emitting suppliers to better understand their actual emissions, plans to reduce the emissions, and maturity level on the emissions reduction path. We identified suppliers who demonstrated best practices and from whom we could learn and engage, as well as suppliers who needed support to better measure emissions and set science-based goals to achieve emissions reduction. This work has driven strategy setting around how we engage with suppliers—whether leading, lagging or somewhere in between—and BD will deploy a customized, supplier-focused emissions effort to drive stronger supplier awareness and partnerships to reduce overall emissions. We have also begun to target our top emitting material categories to drive efforts around emissions reduction. We will continue to engage our suppliers and advance our work at the BD Sustainable Medical Technology Institute (BD SMTI) to identify more sustainable products and services that our suppliers may offer, and to pilot innovative ideas that may decrease our emissions. Additionally, we will continue to drive internal awareness of sustainability solutions and will track carbon reductions from material reductions and from projects that locate a material source closer to our manufacturing site.



To decrease Scope 3, category 4 and 9 emissions, in FY 2022 we focused on streamlining, centralizing and standardizing our distribution process and transportation use. Instead of using air freight shipping, we moved to sea transportation, when possible, for products with longer shelf lives. We evaluated the distribution process to identify where we could bypass distribution centers and instead deliver the product from the manufacturing plant to the final destination. We worked to maximize the fill of our shipping containers in all modes of transportation, which was aided by the refinement of our shipping temperature ranges (reduced from 52 to nine). We also analyzed the location of our distribution centers to ensure that they are in the right proximity to our manufacturing and sterilization plants to reduce shipping mileage. We employed electric vehicles to move our products in Brazil and we are working with our transportation partners to use more fuel-efficient, sustainable vessels and trucks. We also continue to educate BD associates about the environmental impacts of shipping and provide alternate solutions.

BD Sustainable Medical Technology Institute (BD SMTI) will help guide the environmental impact reduction of our portfolio and address the sustainability needs of our customers. By focusing on three key areas—addressing Materials of Concern (MOC), new and more sustainable sterilization technologies, and sustainable product design—BD SMTI and its community of practitioners will support efforts to reduce the carbon footprint and environmental impact of our products, including Scope 3 category 11 and 12.

BD UK Ltd

The following projects were initiated by BD UK in FY22 and FY23 to reduce emissions

Scope		Activity
1	Direct	We launched a regional fleet electrification program in January 2023 that includes the BD UK group. We have 307 ev vehicles and continue to transition away from internal combustions engines. Plymouth facility switched from a diesel van to ev.
2	Indirect	Energy efficiency measures such as lighting schedules, LED replacement, and equipment upgrades (new transformers, air blast chillers) were completed.
3.4 and 3.9	Upstream and downstream transportation and distribution	<i>No significant projects</i>
3.5	Waste generated in operations	At our Plymouth facility, new equipment and process changes were completed resulting in a decrease in



		hazardous waste generation, diversion from landfill, and reclamation of material.
3.6	Business travel	<i>No significant projects</i>
3.7	Employee commuting	<i>No significant projects</i>

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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body) of Becton Dickinson UK Ltd, a company registered in England and Wales with company number 00852702.

Signed on behalf of Becton Dickinson UK Ltd:

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Name: MJ Fairbourn

Position: VP & CGM UK & Ireland

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

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



Date:18th November 2023.....