

Carbon Reduction Plan



Supplier name

Bechtel Management Company Limited (BMCL)

Publication date

30th June 2024



Commitment to achieving Net Zero

Bechtel Management Company Limited (BMCL) is committed to achieving Net Zero emissions by 2050.

Baseline Emissions Footprint

Baseline Year: 2022		
Additional Details relating to the Baseline Emissions calculations.		
<p>BMCL is an engineering, construction and project management company that specialises in defence, nuclear security, and environmental clean-up.</p> <p>The majority of BMCL contracts with its customers are for the provision of project management services, where we are providing specialist services to our customers, often within integrated teams where our customers have financial and operational control and responsibility for Scope 1 and 2.</p> <p>The BMCL greenhouse gas (GHG) emissions footprint stems mainly from working in offices, commuting and business travel, largely within the UK.</p> <p>BMCL has measured and reported carbon emissions since 2019; however, due to structural changes the company updated its baseline in 2022 when its carbon inventory and reporting was independently verified according to the ISO14064:3 standard to reflect a reasonable level of assurance.</p>		
Baseline year emissions: 2022		
EMISSIONS	TOTAL (tCO _{2e})	
Scope 1	0.72 tCO _{2e}	
Scope 2	0.39 tCO _{2e}	
	Purchased Electricity	0.24
	Purchased Heating	0.15
Scope 3 (Included sources)	133.56 tCO _{2e}	
	SC3.1 Procurement of materials	0.01
	SC3.3 Well-to-tank GHG emissions	0.01
	SC3.4 Upstream Logistics	<0.01
	SC3.5 Waste from operations	<0.01
	SC3.6 Business Travel (WTW)	54.15
	SC3.7 Employee Commuting	79.38
SC3.9 Downstream Transportation & Distribution	<0.01	

Total Emissions	134.68 tCO _{2e}
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Current Emissions Reporting

Current emissions are as reported for 2022 baseline emissions.

Reporting Year: 2023		
EMISSIONS	TOTAL (tCO _{2e})	
Scope 1	2.79 tCO _{2e}	
Scope 2	3.61 tCO _{2e}	
	Purchased Electricity	0.00
	Purchased Heating	3.61
Scope 3 (Included sources)	278.43 tCO _{2e}	
	SC3.1 Procurement of materials	5.52
	SC3.3 Well-to-tank GHG emissions	3.91
	SC3.4 Upstream Logistics	0.37
	SC3.5 Waste from operations	0.09
	SC3.6 Business Travel (WTW)	86.10
	SC3.7 Employee Commuting	182.45
	SC3.9 Downstream Transportation & Distribution	0.00
Total Emissions	284.83 tCO _{2e}	

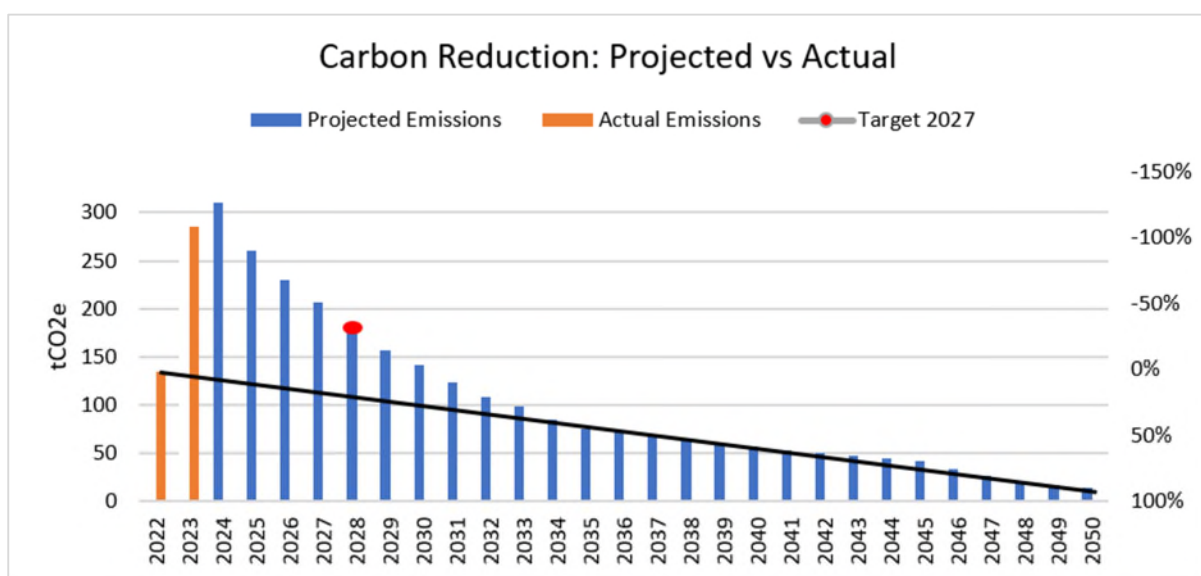
Emissions reduction targets

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

- Net zero by 2050. This includes all scopes and sources covered by PPN06-21.
- Net zero scope 1 and scope 2 GHG emissions by 2030.

BMCL has doubled the number of employees over the last financial year. 87.6% of our GHG emissions are the outcome of business travel and commuting trips therefore this increase in workforce has resulted in an increase to the 2022 baseline of 53% by 2027. It should be noted however that we are still on course for a reduction of 27.70% by 2027 compared against 2023.

We project that our GHG emissions will increase over the next five years to 177.89tCO₂e tCO₂e (32.18%) by 2028. Progress against targets and projection can be seen in the graph below:



Carbon Reduction Projections.

Completed Carbon Reduction Initiatives & Projects

The following environmental management measures and projects have been completed or implemented by Bechtel:

- We have increased the number of personnel in our decarbonisation team.
- We have formed a strategic advisory group on decarbonisation and a focus working group to reduce scope 3 supply chain GHG emissions, sharing best practice and learning from wider Bechtel experience and projects.
- Our Decarbonisation Manager has refined the process and developed a new tool for carbon emissions data collection and analysis to improve the accuracy of the GHG emissions inventory by changing calculation methods and getting more granular activity data.
- Improvements to our carbon reporting systems:

- New calculation and identification methods, and use of better quality datasets resulting in the update of our baseline year from 2019 to 2022. This recognises that although an emissions reduction is demonstrable between 2019 (440.66 tCO₂e) and the 2022 (134.67 tCO₂e), that is a result of a combination of carbon reduction measures and the improved accuracy of our GHG emissions inventory.
 - Development of an internal GHG Dashboard for reporting GHG emissions.
 - The Carbon Reduction Plan will be updated at least annually and published on our website to coincide with the publication of our annual accounts.
- Our carbon reduction targets are incorporated into the ISO 14001 environmental management system, which was audited and re-certified in August 2022.
 - We have implemented a comprehensive 'tele- working' policy to maximise opportunities for employees to work remotely. This includes dynamic hot-desking to increase buildings utilisation rates, flexible working arrangements to reduce congestion at peak times, and the promotion of virtual meetings by default (when feasible) to minimise our travelling emissions.
 - We moved our largest UK office to a LEED certified more efficient building. Our two main offices both have good connections to public transport and are fitted with:
 - electric heat pumps (rather than natural gas boilers), water efficient toilets, LED lighting with automatic switches, improved energy efficient technology in printers and appliances.
 - Integration of reprogramming of the dimmable function for light fittings near windows to reduce electricity use.
 - Facilities to encourage active travel to work, including lockers and shower.
 - Installation of improved heating, ventilation and air conditioning controls.
 - Improvement of materials and waste management through use of higher recycled content paper, reduction of print facilities and improved recycling facilities including composting, and targeted waste reduction campaign in the office.
 - Integrating a Carbon Management Plan or approach on BMCL projects.
 - Clear definition of carbon inventories and development of Climate Action Plans across the relevant projects.
 - Integrating sustainability requirements for supply chain by incorporating sustainability including carbon and social value into procurement processes on projects.
 - Use of our greenhouse gas inventory tool, adopted GHG Protocol reporting methodology and developed internal processes to monitor, evaluate and report GHG emissions across our whole organisation.
 - Energy usage (electricity and gas) monitoring on monthly basis in our offices to track, evaluate and manage performance.
 - External and internal communications and engagement on our Path to Net Zero - carbon reduction training has been provided across the organisation.

- We procure renewable electricity across all our offices.
- We procure lower carbon gas in one of our offices.

We have also recently conducted a gap analysis for PAS 2080:2023 (Global standard for Carbon Management in Infrastructure) compliance.

In the future we hope to implement measures such as:

Short term

- As part of our compliance with the Energy Saving Opportunities Scheme (ESOS), energy audits were conducted in our UK offices in 2023, which helped us make informed decisions for energy efficiency and identify opportunities for improvements such as secondary glazing in our Tower House office.
- Draft a green business travel and commuting policy to support measures such as:
 - Reducing the number of airmiles travelled
 - Shifting the use of private vehicles towards public transport.
 - Utilising Battery Electric Vehicle (BEV) as the default vehicle rental category.
 - Utilising BEV as the default taxi choice.
 - Promotion of car-pooling.
 - Investigating the introduction of a Salary Sacrifice Scheme to promote the lease of BEV by our employees.
- Improving the methods for carbon accounting of additional voluntary scope 3 GHG reporting categories such as procurement of materials and services, upstream leased assets and working from home GHG emissions.
- Continuing to invest in training and upskilling our people in carbon management through structured training programmes and information sharing.
- Continuing to identify and integrate carbon reduction actions through our strategic advisory group on decarbonisation and focus working group on Scope 3 supply chain emissions.
- Development of a Net Zero competency framework to define the tailored training requirements across the organisation.
- Finalising Climate Action Plans for all projects and UK offices for decarbonisation.
- Working toward PAS 2080 verification to demonstrate our commitment to carbon management in infrastructure.
- Contributing to the development of a low carbon concrete working group.
- Create internal tools for managing carbon including a carbon optimiser to support target setting and drive the uptake of low carbon initiatives.

- Include carbon intensity performance indicators as part of emissions reporting to facilitate benchmarking.

Medium-Long term

- Support our workforce shift towards electrified mobility options by seeking to reduce commuting emissions and those from business travel conducted with private cars.
- Increase electrification of the vehicle fleet through integration of additional Electric Vehicles and recharging with renewable electricity.
- Establish a procurement policy requiring our supply chain to progress toward Net Zero.

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

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.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of the Supplier:



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Date: 30th June 2024