

Carbon Reduction Plan

Supplier name: Mornington 2000 t/a Sterilab Services (Sterilab Services)

Publication date: July 2023

Commitment to achieving Net Zero

Sterilab Services 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: 2022 (01 April 2022 – 31 March 2023)

Additional Details relating to the Baseline Emissions calculations.

Sterilab Services has undergone recent substantial organisational changes; namely, doubling of the workforce and relocation to larger premises at the start of 2022. Scope 1 and Scope 2 data for previous years would not provide a relevant baseline, therefore 2022 is the baseline year as well as the current reporting period.

Details of data included:

Scope 1

Natural gas consumption data was obtained from monthly gas bills in kWh, and converted to kg CO₂e using the appropriate conversion factor².

Refrigerants data was obtained by checking air conditioning service records for information around leaks and re-gassing performed. For the period covered, no re-gassing of the air conditioning system was required, therefore no refrigerants were used.

The same methods will be used in subsequent reporting periods to collect the relevant data.

Scope	Source	Kg CO ₂ e	tCO ₂ e	% of total
1	Natural gas	11550	11.6	11.1
	Refrigerants	0	0	0

Scope 2

Electricity consumption data was obtained from monthly electricity bills in kWh, and converted to kg CO₂e using the appropriate conversion factor².

The same method will be used in subsequent reporting periods to collect the relevant data.

Scope	Source	Kg CO ₂ e	tCO ₂ e	% of total
2	Electricity	5245	5.2	5.0

Scope 3

A subset of scope 3 emissions has been reported. The subset aligns with the categories required by PPN 06/21 and includes the majority of significant emissions for Sterilab services.

- Business travel*

Business travel for the time period covered was obtained from a retrospective survey of staff asking them to record all business travel, including mileage and mode of transport, between 01Apr22 to 31Mar23. Mileage was converted to kg CO₂e using the conversion factor appropriate for the mode of transport². Data for future reporting periods will be collected on a regular basis through monthly surveys to minimise accidental non-inclusion of data.
- Employee commuting*

Employee commuting data was obtained from a staff survey requesting daily commuting mileage and average number of days per week in the office (vs. home working or non-working days). This was multiplied to cover an entire year, with an average of 30 days holiday including bank holidays for each member of staff where no commuting would take place. The total miles travelled per year was converted to kg CO₂e using the appropriate conversion factor². The same method will be used to estimate data each subsequent reporting year.
- Upstream transport and distribution*

Most of the Upstream transport and distribution data has been calculated manually using the weight and distance travelled for individual deliveries for the majority of deliveries received, and extrapolated to ensure deliveries from low frequency suppliers would also have been covered. An online carbon emissions calculator was used to convert the data to kg CO₂e, with the mileage and transport type for each journey leg used along with the weight for each parcel.

Of the Upstream transport and distribution category, up to 62 tCO₂e is generated by air freight (exact amount not known as some of this has been taken from a distribution company report, which does not give a breakdown of the type of transport used). This is approximately 60% of the overall CO₂e generated by Sterilab Services, and offers the greatest opportunities for reductions in emissions if an alternative freight method was used.

Deliveries from the UK and Europe have not contributed significantly to emissions generated from the Upstream transport and distribution category, and are not expected to change significantly from year to year. To reduce the burden of data collection for subsequent reporting periods, carbon emissions from UK and Europe suppliers may be estimated from the baseline year

taking into account any increase or decrease in business. International deliveries will continue to be gathered either manually or by requesting data from transport / freight providers.

- *Downstream transport and distribution*

The majority of downstream transport and distribution data has been obtained through emissions reports generated by the couriers used, with an additional 10% added to ensure any missed deliveries would be included. The same method will be used for subsequent reporting periods.

- *Waste generated in operations*

Data for waste generated in operations has been collected by requesting data from the waste management companies used. One company was able to provide CO₂e data for the waste generated by Sterilab Services that had been treated by them, whereas the other was only able to provide weights for each waste collection. The weights were then converted to kg CO₂e using the appropriate conversion factor². Waste types included were general waste, mixed recycling, and biohazard / clinical waste. Note that during the time period covered one collection of chemical waste was made; however, this was a one-off collection and is not considered to be representative of usual operations for Sterilab Services, therefore not appropriate to include this data in the baseline year.

Scope	Source	Kg CO ₂ e	tCO ₂ e	% of total
3	Business travel	3442	3.4	3.3
	Employee commuting	12981	13.0	12.5
	Upstream T & D	63423	63.4	60.9
	Downstream T & D	7306	7.3	7.0
	Waste	136	0.1	0.1

Baseline year emissions:

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	11.6
Scope 2	5.2
Scope 3 Included Sources: •upstream transportation and distribution •waste generated in operations •business travel •employee commuting •downstream transportation and distribution.	87.3
Total Emissions	104 tCO₂e

Current Emissions Reporting

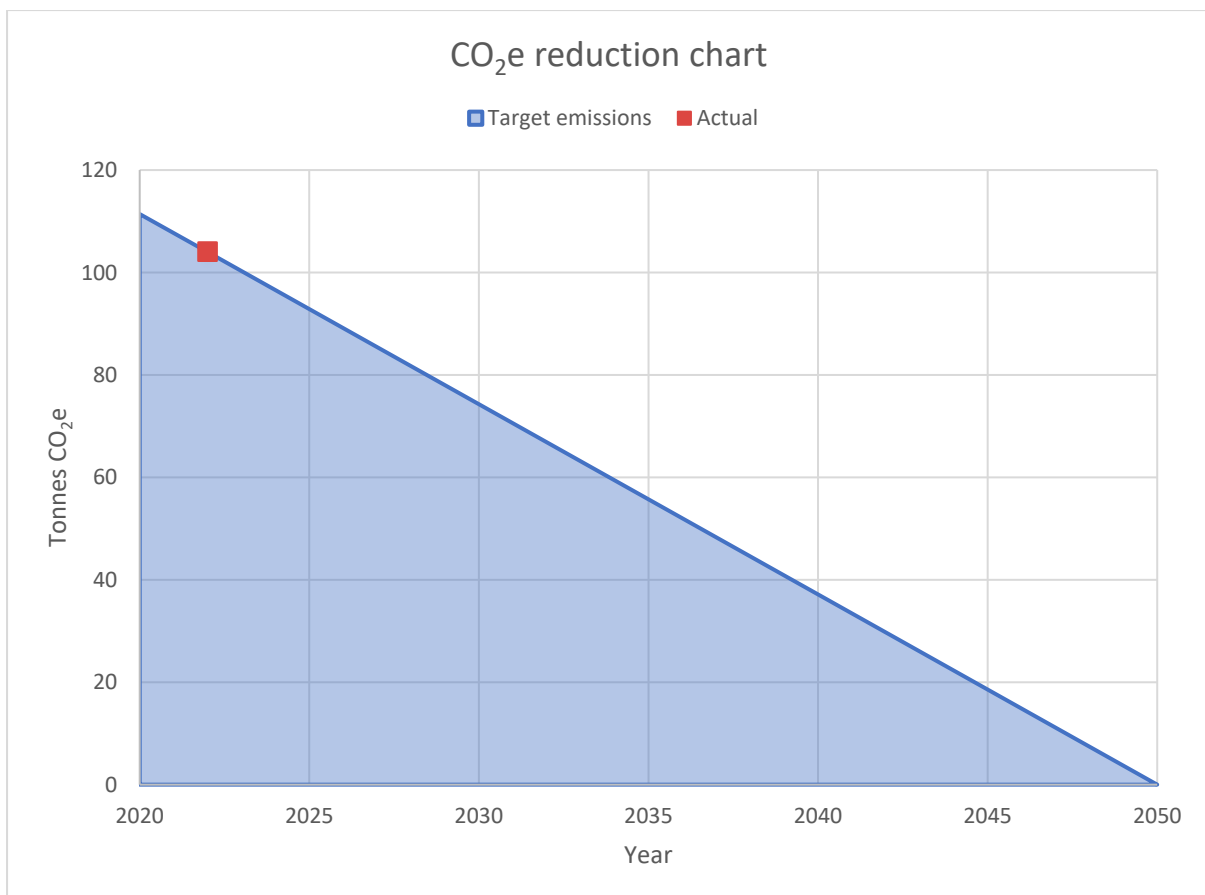
Reporting Year: 2022	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	See baseline year emissions.
Scope 2	See baseline year emissions.
Scope 3 Included Sources: <ul style="list-style-type: none"> •upstream transportation and distribution •waste generated in operations •business travel •employee commuting •downstream transportation and distribution. 	See baseline year emissions.
Total Emissions	See baseline year emissions.

Emissions reduction targets

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

Reduction in carbon emissions to 0 tCO₂e by 2050.

To achieve this target, we project that carbon emissions will decrease over the next five years to 85 tCO₂e by 2027, as shown in the chart below. This is a reduction of 19 tCO₂e, or 18.3%.



Carbon Reduction Projects

Completed / in progress carbon reduction initiatives:

The following environmental management measures and projects have been completed or are in progress since the 2022 baseline. Reduction in carbon emissions will be measured when 2023 data (01Apr23 to 31Mar24) is reported.

- Environmental management system has been implemented and certified to ISO 14001:2015.
- Existing fluorescent lighting to be replaced with low-energy LED lighting (completion of project expected July 2023).

In the future we hope to implement further measures such as:

- Completing an energy survey to determine areas in the office and warehouse building where energy efficiency could be improved.
- Providing more customer training remotely to reduce the need for business travel.
- Using sea freight rather than air freight for international deliveries where possible.

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. Data collection for 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).

Signed on behalf of the Supplier:

Trevor Frizelle
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Date: ..2023-02-22.....

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>