

Carbon Reduction Plan Template

Supplier name: Serosep Ltd.

Publication date: May 2024

Commitment to achieving Net Zero

Serosep UK and Serosep Ireland is committed to achieving Net Zero emissions for Scope 1 & Scope 2 emissions by 2030.

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: 2023	
Additional Details relating to the Baseline Emissions calculations.	
Emissions factor for Irish electricity obtained from https://www.seai.ie/data-and-insights/seai-statistics/conversion-factors/ for 2022 as 0.332 kgCO ₂ e/kWh – latest available.	
Emissions factor for UK electricity obtained from https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2023 for 2023 as 0.207 kgCO ₂ e/kWh	
<i>First Baseline</i>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	13.95 (Owned Vehicles) 0.54 (Stationary Combustion Generator*) 82.35 (Refrigerant Leaks)
Scope 2	238.68 (Electricity – Location Based IE) 2.77 (Electricity – Location Based UK)
Scope 3 (Included Sources)	4.69 for Leased Vehicles
	Upstream transportation and distribution: Not fully quantified as yet – this may be something we aim to measure in the future
	Waste: Not quantified as of yet – this is something we aim to measure in the future.
	Business travel: Not quantified as yet – this is something we aim to track in more detail in 2024/25.
	Employee Commuting: Not quantified as yet – Serosep are currently implementing a sustainability programme. This involves surveying all employees in Ireland and the UK. Part of this survey will capture all employee commuting details of their daily commute which will allow us quantify this activity.
	Downstream transportation and distribution: Not quantified as yet – this may be something we aim to measure in the future.
Total Emissions	342.98

Current Emissions Reporting

Not yet Quantified as 2023 is the first reporting year.

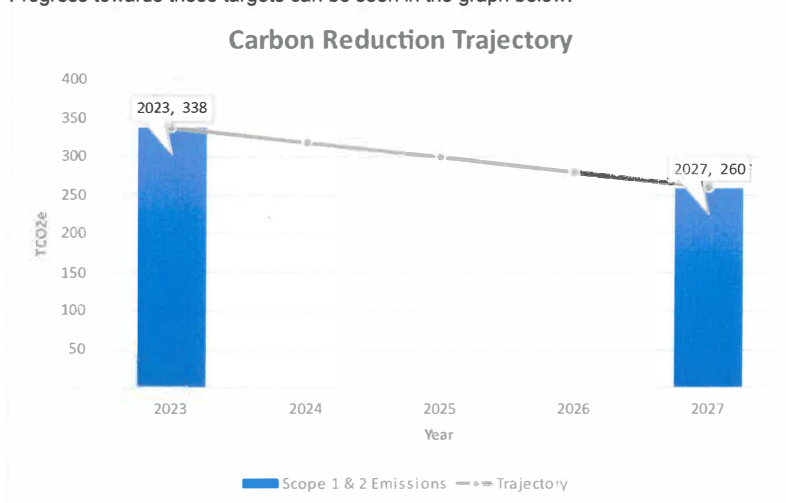
Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	XX
Scope 2	XX
Scope 3 (Included Sources)	XX
Total Emissions	XX

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 three years to **260 tCO₂e by 2027 for Scope 1 and Scope 2 emissions**. This is a **reduction of 25%**.

Progress towards these targets can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2023 baseline. The carbon emission reduction achieved by these schemes equate to 41.03 tCO₂e, a 11% reduction against the 2023 baseline and the measures will be in effect when performing the contract.

Since completing our Carbon Reduction Plan for 2023 as a Baseline year, Serosep have installed Solar PV Panels at our manufacturing site in Annacotty Business Park Limerick. This is the 100% contributor to the above reduction of 11% in our annual Carbon Emissions.

Serosep are in the process of implementing ISO 14001 which will enable the company to meet environmental management measures through a controlled standard.

Serosep have also committed to implementing a sustainability programme. This will enable the company to apply a sustainability plan for the future of the company. This is being completed through all of Serosep's main stakeholders (Employees, Customers & Suppliers).

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

1. Reduce temperature setpoints for heating in offices.
2. Recover waste heat from the compressor and use this to improve efficiency of our heat pumps in the winter period.
3. Improve levels of awareness across the organisation by availing of EnergyMap training or Energy Academy Modules to further increase our knowledge on how to lower our carbon emissions.
4. Fit timers on DHW heaters, burco boiler, vending machine and water cooler to reduce the hours of consumption.
5. Replace remaining fluorescent lighting throughout the plants.
6. Explore the option of entering into a Corporate Power Purchased Agreement to reduce the electricity-related emissions to zero.

Declaration and Sign Off

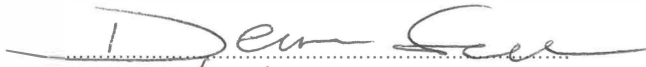
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate 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).

Signed on behalf of the Supplier:


Date: 7/5/2024

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>