

Carbon Reduction Plan

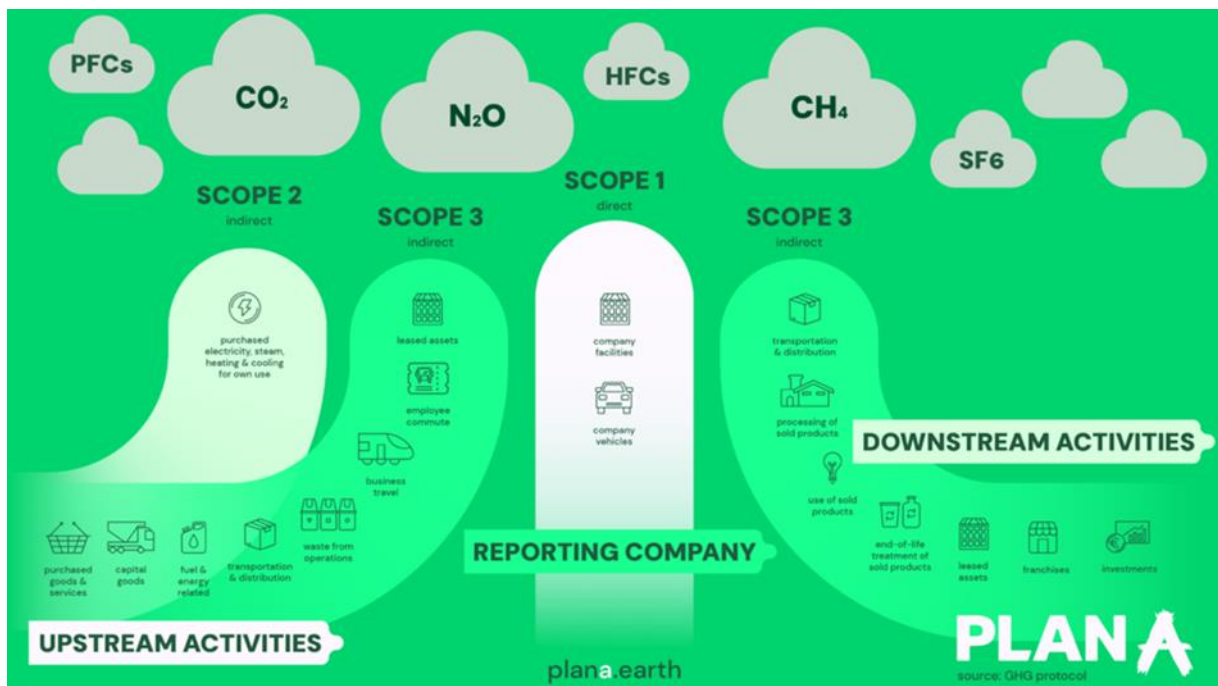
Publication: 16th February , 2024

Commitment to achieving Net Zero

Hydraclean 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. Our activities effect our emissions and they arise from different sources, emissions fall under different scopes illustrated below.



Hydraclean Ltd. Now monitor the following metrics

1. vehicle emissions fuel purchased/ type of fuel/miles traveled
2. Energy consumption
3. Water and effluent charges
4. Waste this is streamed into paper/metal/plastics volumes are measured and included

Baseline Year: 2020	
Additional Details relating to the Baseline Emissions calculations.	
Hydraclean Ltd., provide legionella control services to a range of multi-national companies emissions related to travel are a focus area. We feel our largest reductions will come from reducing mileage, influencing driver behavior and localization of work. As the accuracy of our reporting increases, we expect a short-term rise in emissions.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e) 2020
Scope 1	Green House Gas (GHG) emissions that a company makes directly — for example while running its boilers and vehicles.
	453.24
Scope 2	These are our direct emissions from electricity or energy it buys for heating and cooling buildings
	6.19
Scope 3 (Included Sources)	Emissions associated, not with the company itself, but that the organisation is indirectly responsible for, up and down its value chain
	116.45
Total Emissions Year end 2020	606.6131341

EMISSIONS	TOTAL (tCO₂e) 2021
Scope 1	333.93
Scope 2	6.19
Scope 3 (Included Sources)	96.06
Total Emissions Year end 2021	453.6196526
EMISSIONS	TOTAL (tCO₂e) 2022
Scope 1	304.86
Scope 2	7.36
Scope 3 (Included Sources)	89.73
Total Emissions Year end 2022	395.470307

EMISSIONS	TOTAL (tCO₂e) 2023
Scope 1	330.4559688
Scope 2	12.31138295 (an increase of 6.12 Approx. 50% on baseline figure)
Scope 3 (Included Sources)	86.47439881(continues to fall)
Total Emissions Year end 2023	429.4193094

Emissions reduction targets

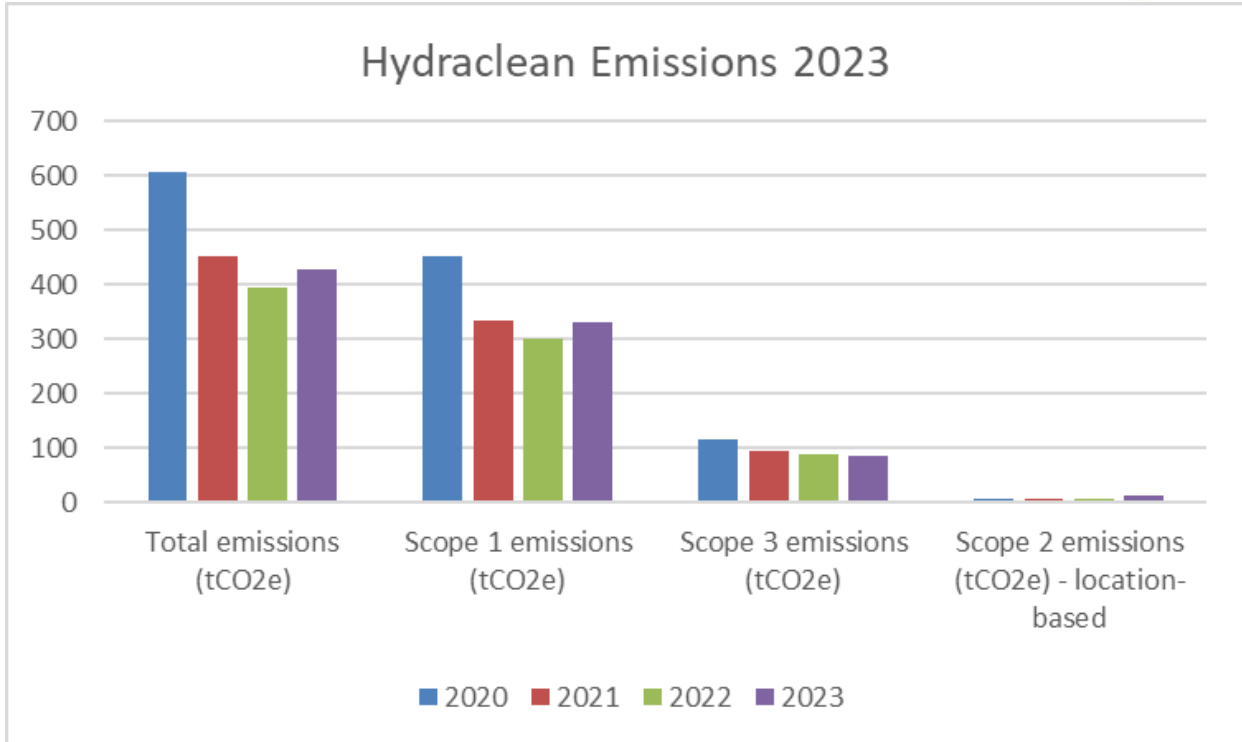
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

January 2023 saw the phased introduction of electric vehicles at an estimated rate of 5/yr. currently six vehicles are fully electric out of a total 50 (12%) all cars will be electric by 2027. No progress has been made in electrification of the van fleet, due to perceived issues with range and load capacity, there is the potential to electrify 5-10 vans which are used locally. The low van up take should be addressed at management level, currently will we feel tele-metrics will create the largest improvement in our emissions (but at a lower rate), continued use of vehicle monitoring, and improvements to planning will continue.

We project that carbon emissions will decrease over the next five years to 398.8301 tCO₂e by 2027. This is a potential reduction of 41%. The 2023 figures are disappointing due to the rise in scope one and scope 3 emissions. At the time of writing these figures have not been examined closely but represent a rise of about 5%.

There has been

1. An increase in turnover (approximately 16%)
2. higher volumes of waste
3. disruption to route planning
4. Post Covid there has been a return to work by all staff.



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

Improvements in planning have reduced vehicle mileage, the introduction of vehicle monitoring devices have improved driver behaviors, additionally increased levels of home working have lowered our mileage. In the future we hope to implement further measures such as: Replacement of existing lights with LED. Insulation. Installation of solar panels Use of Green suppliers.

The above environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equate to 25.14% reduction in 2021 and a 33.74% reduction in 2022 when measured against the 2020 baseline and the measures will be in effect when performing the contract. The figures returned for 2023 represent a reduction of 29.21% based on our 2020 baseline which represent a 4.53% increase on last year.

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 standard¹³ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting¹⁴.

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) Standard¹⁵.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of Hydraclean Ltd.:

S Hale

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Mrs S.Hale
Operations Director

Date: 16.02.2024

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