



CARBON REDUCTION PLAN

Supplier name: **WHALE TANKERS LIMITED**

Publication date: **MAY 2022**

Commitment to achieving Net Zero

Whale Tankers Limited is committed to achieving Net Zero emissions by 2040 a full 10 years ahead of the government planned date. We are currently working to develop a full implementation plan which will allow us to achieve this ambitious target.

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: 2020 (1/1/20 to 31/12/20)	
<i>Additional Details relating to the Baseline Emissions calculations.</i>	
The 2020 baseline data was calculated using established data sets for Scope 1 and 2 which form our reporting under the requirements of SECR. Partial data was available for Scope 3 covering use of company vehicles. No data was available for employee commuting, but we will develop methods to capture this so that this can be added to our calculations for later years.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	365
Scope 2	224
Scope 3 (Included Sources)	Use of company vehicles 217
Total Emissions	807
Current Emissions Reporting	
Reporting Year: 2021 (1/1/21 to 31/12/21)	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	508
Scope 2	285
Scope 3 (Included Sources)	Use of company vehicles 212
Total Emissions	1005

Emissions reduction targets

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

- Develop meaningful measurement systems to capture additional Scope 3 emissions
- Implement Energy Management System to ISO50001
- Replace all diesel vehicles on the company fleet by 2030

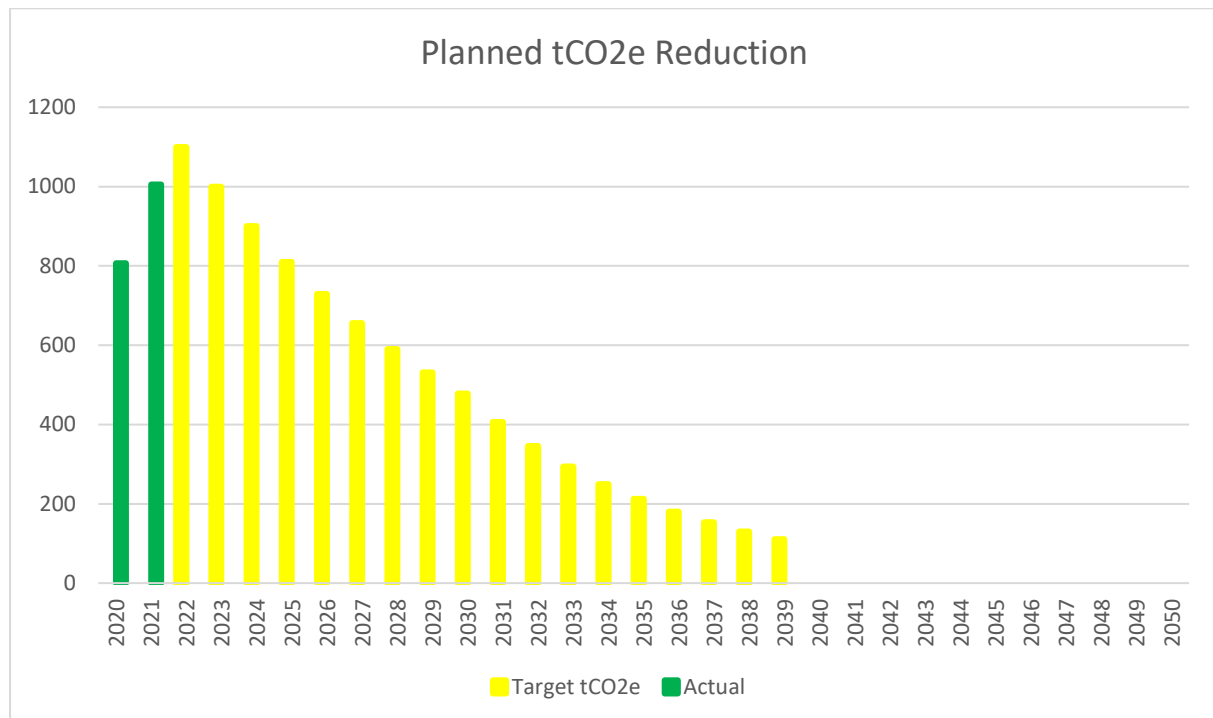
Improved reporting of emissions is likely to show an uptick in tCO₂e reported for the next 3 years but this will then see a steady and sustainable decrease as actions are implemented.

We project that carbon emissions will decrease over the next five years to 650 tCO₂e by 2027. This is a reduction of 30% from reported 2021 level.



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Planned progress against these targets can be seen in the graph below:



Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equate to 80 tCO₂e, a 10% reduction against the 2020 baseline and the measures will be in effect when performing the contract. However, since the baseline there has a significant increase in work levels, staffing levels and an improvement in measurement which is reflected in the overall increase in tCO₂e in the last 12 months.

The company has an established ISO14001 Environmental Management System and retains external approval from an accredited third party.

We have a long running tree-planting project as part of the managed grounds surrounding the factory and have planted in excess of 20000 new trees from indigenous species.

The company has made significant investment in new facilities for the assembly and testing of vehicles. These new buildings have been designed with high levels of insulation reducing requirements for heating.

The company has invested in LED lighting throughout the factory with significant reduction in energy demand.

We have installed EV charging points on site including points suitable for charging the larger batteries in commercial vehicles.

Several company car users have converted to hybrid models.

Whale Tankers have developed a fully electric gully emptier offering significant carbon reduction to the user.



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The business has installed a bio-mass plant providing heating for the paint shop, including the paint baking cycle.

Whale have established a Scottish service centre at Inverkeithing, which reduces the fuel usage for both customers and our service engineers working in this territory and the north of England.

In the future we hope to implement further measures including:

Further development of Battery Electric Vehicles in conjunction with chassis suppliers.

Development of vehicles using hydrogen as the main power source.

Application for a permit to allow the biomass to burn waste wood from packing materials (which is currently taken off site for disposal).

Development of our Energy Management System with external approval to ISO50001.

Replacement of all company cars and service vans with low emission vehicles.

To support our customers, we will develop methods to capture the carbon embodied in the materials used in the construction of the vehicles and to measure the efficiency of the vehicles when operating.

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 (or equivalent management body).

Signed on behalf of the Supplier:

Mark Warmington – Managing Director
Date: May 2022