



Carbon Reduction Plan

Supplier name: Alternative Heat Ltd.

Publication date: 01/11/2021

Commitment to achieving Net Zero

Alternative Heat 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.

<p>Baseline Year: October 2020 – September 2021</p> <p>Alternative Heat Ltd. did not previously assess or report total GHG emissions.</p>	
<p>Additional Details relating to the Baseline Emissions calculations.</p> <p>Methodology:</p> <p>We have used the 2020 & 2021 UK Government Conversion Factors for Company Reporting.</p> <p>We have used the appropriate UK Government Real World Uplift % for calculating Fleet Emissions.</p>	
<p>Baseline year emissions:</p>	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	198.16 Gross
Scope 2	104.85 Gross
Scope 3 (Included Sources)	Scope 3 emissions will be assessed in the reporting Year: Year 1 October 2021 – September 2022
Total Emissions	<p>303.02 (tCO₂e) Gross</p> <p>From October 2020 – September 2021, the Alternative Heat Wind Turbine saved 85.21 tCO₂e therefore our Net Scope 1 & Scope 2 Emissions are :</p> <p>217.80 (tCO₂e) Net</p>

Current Emissions Reporting

Baseline Year October 2020 – September 2021 is Alternative Heat’s first carbon footprint.

Year 1 will run from October 2021 – September 2022 with emissions to be confirmed at the end of the Year 1 reporting period.

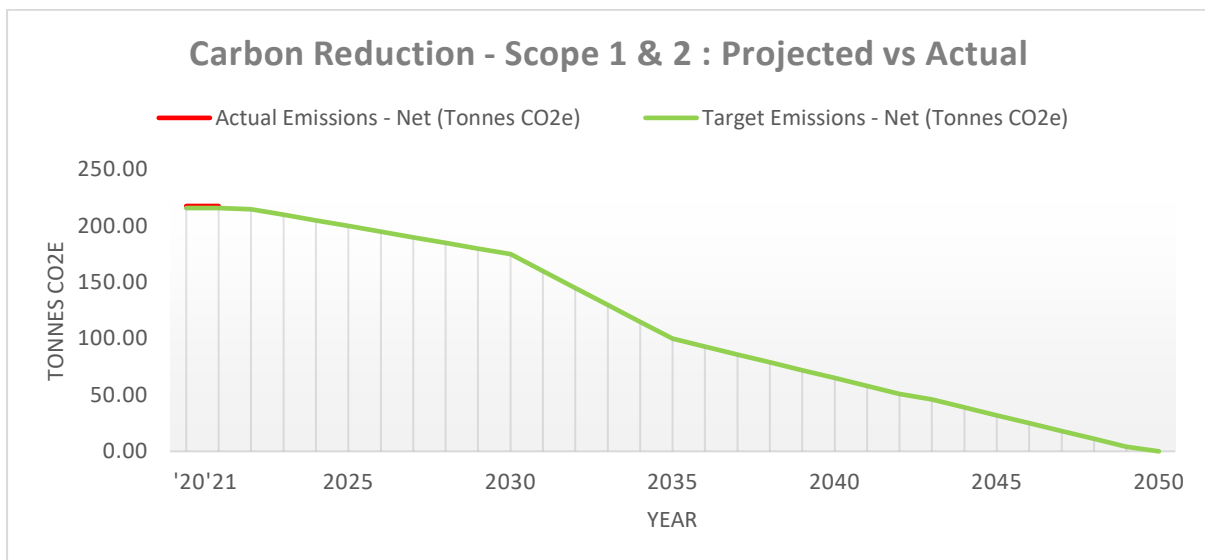
Emissions reduction targets

Baseline Year October 2020 – September 2021 is Alternative Heat’s first carbon footprint.

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

We project that Scope 1 & 2 carbon emissions will decrease over the next five years to 195 tCO₂e by 2026. This is a reduction of 10.47%.

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



Note: 2030 - 2035 Enhanced carbon reduction to be achieved e.g. via Fleet transitioning to electric vehicles.

Carbon Reduction Projects

Carbon Reduction Initiatives

The following environmental management measures and projects are being implemented.

The carbon emission reduction achieved by these schemes will be assessed against the 2020-21 baseline and the measures will be in effect when performing the contract.

1. ISO 14001
2. Company Policy resulting in reduction in company emissions e.g.
 - 2.1 Energy:
 - Heating & Lighting Controls.
 - Use of sleep mode when office equipment is idle and switched off when not in use.
 - Purchasing energy efficient equipment.
 - Sourcing from local suppliers where applicable.

2.2 Travel & Transportation:

- Greater use of teleconferencing to reduce travel.
- Use of email rather than postal services where possible.
- Accommodation of the needs of staff using public transport or bicycles.
- Vehicle maintenance.

2.3 Water:

- Dual flush toilets in place.
- Signage in place to encourage staff to save water.

3. The Alternative Heat Wind Turbine exports electricity to grid and offsets emissions from grid electricity.

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

- To consider the various standards available e.g. ISO14064 and any new standard that may become available to assist with achieving Net Zero.
- To continue to update the company fleet to newer, cleaner diesel vehicles, with the longer-term aim of switching to electric vehicles.
- Additional tree planting to help offset emissions.
- Installation of solar PV system at Head Office.

Declaration and Sign Off

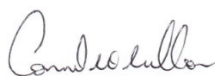
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

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:



Connel McMullan, Managing Director.

Date: 01/11/2021

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>