

Carbon Reduction Plan

Adaptive Communication Solutions Limited

Publication date: 16th December 2022

Commitment to achieving Net Zero

Adaptive Communication Solutions Limited 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: 2019	
Additional Details relating to the Baseline Emissions calculations.	
<i>These baseline emissions are from 2019 as that is the first year that all 3 scopes were recorded individually; included in the graph is the total for 2018. Due to the pandemic, figures for 2020/21 are not included.</i>	
Baseline year emissions:	
EMISSIONS	TOTAL (KgCO₂e)
Scope 1	28905.94
Scope 2	4491.83
Scope 3 (Included Sources)	161899.1 (water supply; water treatment; commuting; distribution/deliveries; waste disposal/recycling)
Total Emissions	195296

Current Emissions Reporting

Reporting Year: 2022	
EMISSIONS	TOTAL (KgCO ₂ e)
Scope 1	21084
Scope 2	3812
Scope 3 (Included Sources)	116567 (water supply; water treatment; commuting; distribution/deliveries; waste disposal/recycling)
Total Emissions	141463

Emissions reduction targets

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

Scope 1

Improve reduction rates to circa 15% /annum

Scope 2

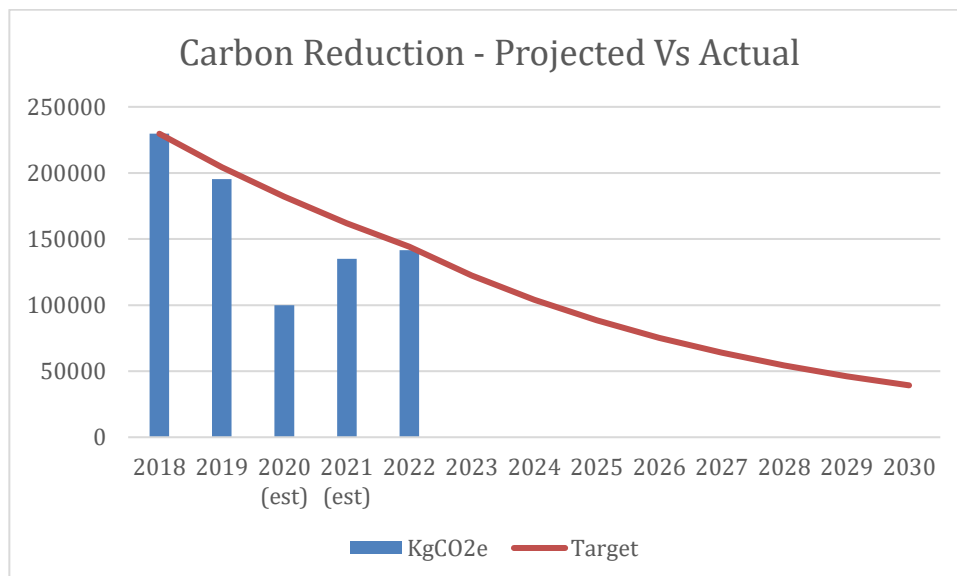
Improve reduction rates to circa 15% /annum

Scope 3

Offset emissions by an improvement of circa 15% /annum

We project that carbon emissions will decrease over the next five years to 63936 KgCO₂e by 2028. This is a reduction of 54.8%

Progress against 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 2019 baseline. The carbon emission reduction achieved by these schemes equate to 53833 KgCO₂e/annum, a 27.5% reduction against the 2019 baseline and the measures will be in effect when performing the contract

- *Increased Electric fleet*
- *Installed Electric Vehicle Charger*
- *Reduced kettles from two to one*
- *We now use Abode sign for contracts and job sheets to reduce paper*
- *Reduced number of large wheely bins from two of each to one of each*
- *All lights have been changed in the office to eco-friendly LED ones*
- *More working from home*
- *Cycle to work scheme*
- *Direct deliveries to customers*
- *Eco Friendly paper towel dispenser*
- *Implementation of Hive temperature control*

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

- *Environmental champion designated*
- *Complete rollout of electric fleet*
- *Look into schemes such as Ecostars*
- *Assessment of suppliers delivery standards*
- *Audit of delivery requirements (focus on unnecessary deliveries/trips)*
- *Increase in remote meetings to reduce travel*
- *Increase in public transport such as trains for long range trips*
- *Collate full waste summary*
- *Conduct assessment of power providers and move to Green*
- *Explore carbon offset programmes (such as afforestation)*

Carbon footprint calculation has been conducted based on:

(i) The available information for electricity, gas, waste and transport.

(ii) Some data were sourced using standard guideline provided by service provider such as waste management service provider

(iii) Information on the building floor area measurements in m² were sourced using google map satellite aerial services

(iv) Waste information was provider (data provided was insufficient in quantification of waste stream and how waste is disposed of) hence, we based our calculations on information sourced on Veolia website:

<https://www.veolia.co.uk/merseyside-and-halton/RDC>

<https://www.businesswaste.co.uk/common-questions-and-answers-about-wheely-bins/>

Information on Maximum limit of waste in Kg per 240 Litre Wheel bin and 360 Litre wheel bin were obtained from the site. Data were then calculated by multiply by a factor of 4 (number of collection per month. In estimating, the quantity of waste generated, value obtained was then multiplied by a factor of 12.

Declaration and Sign Off

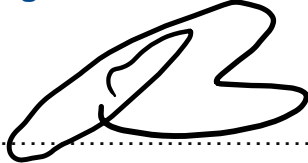
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

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 Adaptive Communication Solutions Ltd:



Date: 16/12/2022

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>