

AirTanker Services Ltd

Carbon Reduction Plan



15 November 2021

Contents

Introduction.....	3
Commitment to achieving Net Zero.....	3
Progress to Date – Completed Carbon Reduction Projects.....	3
Streamlined Energy and Carbon Reporting (SECR)	4
Key environmental impacts for our organisation	4
Calculation Methodology	5
Environmental Management System	5
Baseline Emissions Footprint.....	6
Current Emissions Reporting	7
Emissions Reduction Targets – Ground Operations	8
Emissions Reduction Targets – Air Operations.....	9
The Future – Effective Stewardship of the Environment	9
Declaration and Sign Off.....	10

Introduction

The UK Government amended the Climate Change Act 2008¹ in 2019 by introducing a target of at least a 100% reduction in the net UK carbon account (i.e. reduction of greenhouse gas emissions², compared to 1990 levels) by 2050. This is otherwise known as the 'Net Zero' target.

The Cabinet Office has also issued Procurement Policy Note (PPN) 06/21 which sets out how to take account of suppliers' Net Zero Carbon Reduction Plans in the procurement of major Government contracts.

This Plan sets out AirTanker's commitment to reducing Carbon emissions.

Commitment to achieving Net Zero

AirTanker Ltd recognises the responsibility we have to reduce carbon emissions and is fully supportive of the UK Governments' targets.

AirTanker Ltd is committed to achieving Net Zero emissions by 2050.

We have been measuring our emissions since 2018 following the Governments Streamlined Energy and Carbon Reporting Guidance and since then we have reduced our emissions by 4%.

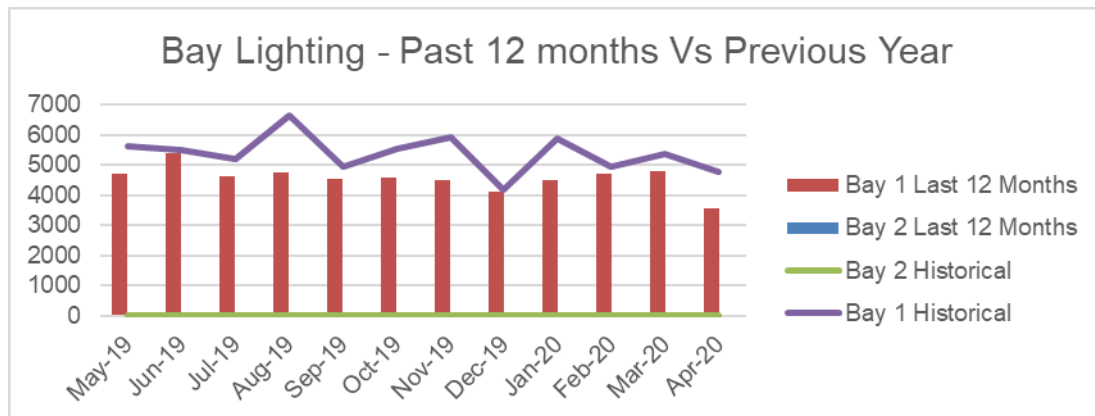
Progress to Date – Completed Carbon Reduction Projects

AirTanker Services Ltd have a number of ongoing energy efficiency programmes which are managed under the ISO 14001 Environmental Management System, including objectives driven by the Energy Saving Opportunity Scheme (ESOS). A company-wide Business Improvement scheme encourages all members of staff to suggest improvements to business processes which can have a positive impact on the environment.

The following environmental management measures and projects have been completed or implemented since the 2018 baseline. The carbon emission reduction achieved by these schemes equate to 82 tCO₂e, a 4% reduction against the 2018 baseline and the measures will be in effect when performing this and future contracts.

- **Improved LED lighting.** AirTanker Services Ltd operates an aircraft hangar which is divided into two separate bays. As part of the continual environmental improvement under ISO 14001, the lighting in Bay 1 was replaced with modern LED lighting. This provides staff with improved lighting and reduces energy consumption by 15%.

¹ Climate Change Act 2008: www.legislation.gov.uk/ukpga/2008/27/contents



- Electric Ground Fleet.** AirTanker is also committed to moving to an all-electric ground fleet and has already installed 10 electric charging points and replaced 8 fossil fuel burning vehicles with electric ones. We have also recently invested in electric vehicle charging points for our workforce.

Streamlined Energy and Carbon Reporting (SECR)

AirTanker meets the mandatory requirements of Streamlined Energy and Carbon Reporting (SECR) for reporting Greenhouse Gas (GHG) emissions as well as an intensity ratio metric based on staff numbers.

Streamlined Energy and Carbon Reporting (SECR) was implemented on 1 April 2019 to meet the requirements of the Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018. SECR coincides with the withdrawal of the Carbon Reduction Commitment (CRC) Energy Efficiency Scheme.

The emissions reported in this plan are taken from the SECR report for AirTanker Services Ltd (company registration number: 06279646). This includes activities at both the AirTanker Hub at RAF Brize Norton, and the smaller office at Amy Johnson House in Carterton, just outside of the RAF base. It does not include the nearby training building which is operated by Thales.

AirTanker Ltd is a sister company and deemed a separate corporate group. AirTanker Ltd is submitting a separate SECR notification of compliance.

Key environmental impacts for our organisation

The relevant environmental impacts of AirTanker Services are as follows:

Direct Emissions

- Electricity: monthly kWh data (taken from monthly main & sub-meter readings), plus also Half Hourly data.
- Gas: monthly kWh data (taken from monthly meter readings; NB: kWh calculated from readings taken in m3)
- Other fuels: litres of diesel, used in generators & ground power units (taken from bowser fill records)
- Aviation fuel: litres of aviation fuel, used in one plane operated by AirTanker Services for flights between Brize Norton & Cape Verde (October to March) or Brize Norton & Dakar (April to September), i.e. to & from the UK only (primary data provided by Flight Operations)
- Business travel by company cars & vans: monthly fuel consumption data in litres (taken from fuel card records)

Indirect Emissions

- Grey fleet: mileage figures from expenses system (from spend)
- Business travel by hire cars: litres of fuel (assumed diesel) from expenses system (from spend).

Data was validated against primary data: Monthly electricity & gas meter readings, plus Half Hourly electricity data files; Report from Flight Operations on flights & fuel; expenses records for grey fleet & hire cars.

Calculation Methodology

The emissions were calculated in accordance with the HM Government document “Environmental Reporting Guidelines: Including Streamlined Energy and Carbon Reporting guidance”. The source of specific data is described along with the key environmental impacts above, in common with the methodology used for the ESOS report. Data was converted to tonnes of CO2 equivalent (tCO2e) using the UK Government Conversion factors for Company Reporting 2019 (version 1.0).

Environmental Management System

AirTanker Services Ltd operates an Environmental Management System (EMS) in accordance with internal standard ISO 14001:2015. The EMS is certified by AFNOR UK (certificate A21 ENV 090 dated 19/03/2018). The environmental aspects and impacts of the business are determined in accordance with the requirements of ISO 14001:2015, and are used to set objectives and drive continual improvement.

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.

Although Customer aviation fuel is not included in AirTanker's emission reporting we plan to help our customer reduce their impact on the environment (see The Future).

Baseline Year: 2018									
Additional Details relating to the Baseline Emissions calculations.									
Air Tanker reports emissions in accordance with the Streamlined Energy and Carbon Reporting (SECR) requirements.									
Baseline year emissions:									
EMISSIONS	TOTAL (tCO₂e)								
Scope 1 (Direct)	<table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">Electricity</td> <td style="text-align: right;">1077</td> </tr> <tr> <td style="text-align: right;">Gas (heating/hot water boilers)</td> <td style="text-align: right;">515</td> </tr> <tr> <td style="text-align: right;">Generators</td> <td style="text-align: right;">365</td> </tr> <tr> <td style="text-align: right;">Company Vans & Cars</td> <td style="text-align: right;">32</td> </tr> </table>	Electricity	1077	Gas (heating/hot water boilers)	515	Generators	365	Company Vans & Cars	32
Electricity	1077								
Gas (heating/hot water boilers)	515								
Generators	365								
Company Vans & Cars	32								
Scope 2 (Indirect)	Business Travel 30								
Scope 3 (other indirect e.g. business travel by means not owned by AirTanker)									
AirTanker Services Ltd Emissions (Excluding Aviation Fuel)	2022								
Aviation Fuel for Operations	14635								

Current Emissions Reporting

Reporting Year: 2020	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1 (Direct)	Electricity 1009
	Gas (heating/hot water boilers) 526
	Generators 367
	Company Vans and Cars 21
Scope 2 (Indirect)	Business Travel 17
Scope 3 (other indirect e.g. business travel by means not owned by AirTanker)	
Total AirTanker Services Ltd Emissions (excluding aviation fuel)	1940
Aviation Fuel for Operations	14353

Emissions Reduction Targets – Ground Operations

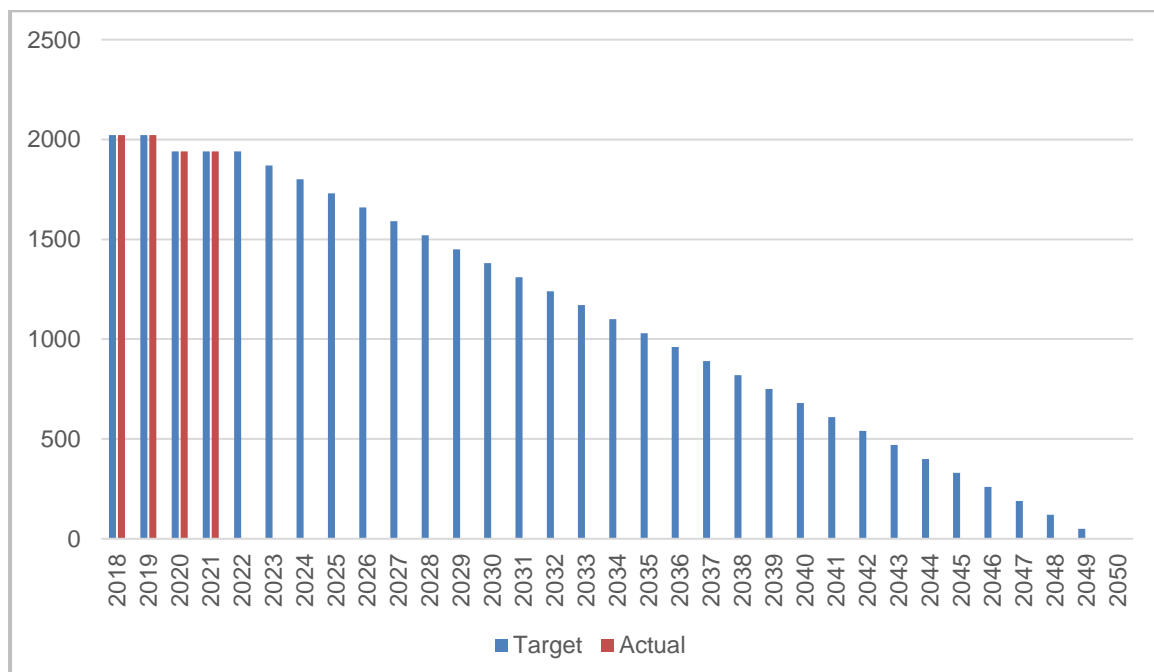
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

- We project that carbon emissions will be stable over the next two years at ~1950 tCO₂e.
- By 2025 we expect to reduce carbon emissions to 1730 tCO₂e, which is a reduction of ~11% compared with current emissions.
- By 2030 we expect to reduce carbon emissions to 1380 tCO₂e, which is a reduction of 29%.

These reductions will be achieved by:

- Further electrification of the ground fleet.
- Introduction of more LED lighting.
- Following the COVID-19 pandemic we have permanently introduced hybrid working, allowing employees to work flexibly from home as well as the office, saving emissions from commuting as well as reducing office consumption of electricity and gas.
- Increasing use of electricity from sustainable sources.
- Phased replacement of using gas for heating and hot water with alternatives using electricity from sustainable sources.

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



Emissions Reduction Targets – Air Operations

Data provided for AirTanker’s aviation fuel emissions are for non-revenue and non-customer flights, necessary for our own operations e.g. aircraft positioning for heavy maintenance or at the commencement of a seasonal lease. Operations of this nature and the number of occurrences are limited. Normal operations are on behalf of the MOD and other commercial airlines; emissions data for those flights are excluded from our data as they are captured by our customers.

In the next 5 years, AirTanker is planning to reduce the number of flights for its own operations and also explore the options to use Sustainable Aviation Fuel (see below The Future).

To achieve net zero by 2050, AirTanker will minimise its own flights necessary for operations and will purchase carbon credits to offset any unavoidable emissions.

The Future – Effective Stewardship of the Environment

Proactive Engagement. We have work to do to future proof our environmental impact locally and world-wide and we are exploring a wide range of other initiatives to implement environmental stewardship in everything we do whilst learning from the UN Climate Change Conference COP26 and to deliver lasting prosperity through the Global Goals, also known as the UN Sustainable Development Goals (SDGs). We aim to proactively engage shareholders and customers on sustainability issues through our Civil and Military partnership meetings, surveys and international awareness events e.g. Plastic free July.

Sustainable Aviation Fuel. We are also seeking to help our customers meet their Carbon Reduction targets. AirTanker is committed to working collaboratively with Defence and our partners, to achieve Air Chief Marshal Mike Wigston’s vision to advance the UK’s target of reaching net-zero carbon emissions a decade earlier than 2050. The services AirTanker delivers for the RAF, Air Transport and Air-to-Air Refuelling, requires large quantities of aviation fuel. AirTanker with its shareholders Rolls-Royce and Airbus, have been working on a joint project with the UK MOD to use our Voyager aircraft to conduct ground breaking flight trials using Sustainable Aviation Fuel. In November 2021, HRH Prince Charles flew to the Middle East on an RAF Voyager partially fuelled with Sustainable Aviation Fuel. The lessons that will be learned with the Voyager Sustainable Aviation Fuel flights will be applied to future programmes such as Command Support Air Transport Recapitalisation.



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 standard² and uses the appropriate Government emission conversion factors for greenhouse Gas Company reporting.³

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) Standard⁴.

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



.....
Phill Blundell

Chief Executive Officer AirTanker Ltd

15 November 2021

² <https://ghgprotocol.org/corporate-standard>

³ <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

⁴ <https://ghgprotocol.org/standards/scope-3-standard>