Final report

# 2022 Greenhouse gas (GHG) accounting report

# Apollo Jets

Reporting Period 01/01/2022 to 31/12/2022

October 2023





### **Details**

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# **Acronyms and abbreviations**

CH<sub>4</sub> Methane

CO<sub>2</sub> Carbon dioxide

tCO<sub>2</sub>e Tonnes of carbon dioxide equivalent

GHG Greenhouse gases

HFCs Hydrofluorocarbons

kg Kilogram

MWh Megawatt hour

N<sub>2</sub>0 Nitrous oxide

t tonne

UNFCCC United Nations Framework Convention on Climate Change

US United States

WFH Work-From-Home

GJ Gigajoules

CEDA Comprehensive Environmental Data Archive

BEIS UK Department for Business, Energy & Industrial Strategy

### **Executive summary**

This report presents the inventory of Apollo Jets' operational greenhouse gas (GHG) emissions for the 2022 calendar year, based on its reported data.

An operational control approach was taken for this accounting exercise, meaning emissions for all activities conducted under the control of Apollo Jets were calculated, using a combination of primary and extrapolated data.

A breakdown of emissions and relevant analysis is provided in this report for key sources of emissions, as per the categorisation specified in the GHG Protocol. All assumptions, data challenges, extrapolations, and limitations are described within this report and its annexes.

Based on the data provided by Apollo Jets, the total GHG emissions reported for the year 2022 are estimated to be **69,752.78** tonnes of carbon dioxide equivalent ( $tCO_2e$ ). Scope 3 emissions from the sold tickets was the largest contributor to the footprint, and accounted for 69,717.88  $tCO_2e$ , 99.95% of total emissions.

Key performance indicators (KPIs) are found in Table 1, and an overview of GHG emissions by source is provided in Table 2, and Figures 1 and 2. The emissions intensity of Apollo Jets is  $3321.56 \, tCO_2 e$  per employee and  $118.23 \, tCO_2 e$  per m<sup>2</sup> in 2022.

Please note that, due to rounding of numbers, the figures in the tables in this report may not add up exactly to the totals provided.

Table 1: Summary of key performance indicators (KPIs)

Number of employees	21	tCO₂e/employee	3321.56
Total area (m2)	590	tCO₂e/m2	118.23

(Source: South Pole, based on Apollo Jets, 2023)

Table 2: GHG emissions by scope and greenhouse gas

Scope	Total (tCO₂e)	Percentage of total (%)
Scope 1: direct GHG emissions	3.64	0.01%
Scope 2: indirect GHG emissions (market based)	31.28	0.04%
Dual reporting Scope 2: indirect GHG emissions (location-based)	31.28	-
Scope 3: other indirect GHG emissions	69,717.88	99.95%
Total GHG emissions (market-based)	69,752.78	100%

(Source: South Pole, based on Apollo Jets, 2023)

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<sup>&</sup>lt;sup>1</sup> A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen (or their lack of choice): it derives emission factors from contractual instruments, which include any type of contract between two parties for the sale and purchase of energy bundled with attributes about the energy generation or for unbundled attribute claims (e.g. RECs, GOs, etc.).

Please note that since there was no residual mix emission factor available for the US, the same emission factor was used for marked-based and location-based estimation, in line with the GHG Protocol Scope 2 Guidance.

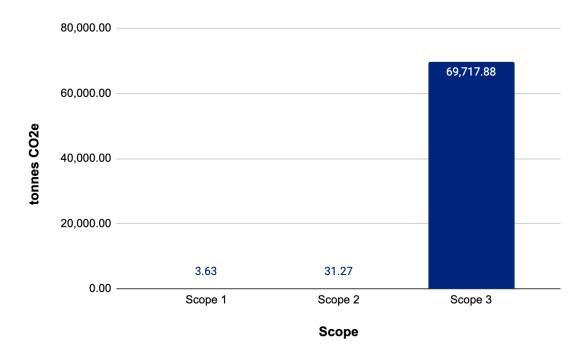


Figure 1: GHG emissions in 2022 by scope

(Source: South Pole, based on Apollo Jets, 2023)



Figure 2: GHG emissions by GHG Protocol category

(Source: South Pole, based on Apollo Jets, 2023)

#### Introduction

Vista Global Holding Limited (Vista), the world's leading global private aviation group, has previously undertaken GHG inventories for 2019, 2020 and 2021. Apollo Jets was included in the 2021 inventory. This report provides an account of the GHG emissions from Apollo Jets' global operations from 1st January 2022 to the 31st December 2022, based on reported data by the client. It includes an analysis of key sources of emissions, as well as targeted recommendations focused on data improvement and decarbonisation.

Company information and the reporting period are presented in Table 3.

**Table 3: Company information** 

Company information		
Website	https://apollojets.com/	
Business function	Private aviation company	
Reporting period	January 1 to December 31, 2022	

(Source: South Pole, based on Apollo Jets, 2023)

## **Methodology**

The GHG accounting and reporting procedure is based on the 'The Greenhouse Gas Protocol: GHG Protocol: A Corporate Accounting and Reporting Standard – Revised Edition' (GHG Protocol) and the complementary 'Corporate Value Chain (Scope 3) Accounting and Reporting Standard' – the most widely used international accounting tools for government and business leaders to understand, quantify, and manage GHG emissions. The standards were developed in partnership between the World Resources Institute and the World Business Council for Sustainable Development.

All accounting is based on the principles of the 'GHG Protocol':

- **Relevance:** establishing an appropriate inventory boundary that reflects the GHG emissions of the company and serves the decision-making needs of users;
- **Completeness:** including all emission sources within the chosen inventory boundary. Any specific exclusion is disclosed and specified;
- **Consistency:** ensuring meaningful comparison of information over time and transparently documented changes to the data;
- **Transparency:** guaranteeing data inventory sufficiency and clarity, where relevant issues are addressed in a coherent manner; and
- Accuracy: minimising uncertainty and avoiding systematic over- or under-quantification of GHG emissions.

### Global warming potential (GWP)

Global warming potential (GWP) is a measure of the climate impact of a GHG compared to carbon dioxide over a time horizon. GHG emissions have different GWP values depending on their

efficiency at absorbing longwave radiation, and the atmospheric lifetime of the gas. The GWP values used in GHG accounting include the six GHGs covered by the United Nations Framework Convention on Climate Change (UNFCCC) and Kyoto Protocol, as presented in Table 4. These are the GWP used by the United Kingdom Department for Business, Energy and Industrial Strategy (BEIS) and are based on the 'Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5)', unless otherwise stated.

Table 4: Applied global warming potentials (GWPs)

GHG	GWP (100 years)
Carbon dioxide (CO <sub>2</sub> )	1
Methane (CH <sub>4</sub> )	28
Nitrous oxide (N <sub>2</sub> 0)	265
Hydrofluorocarbons (HFCs)	See IPCC AR5
Perfluorocarbons (PFCs)	See IPCC AR5
Refrigerants	See IPCC AR5

(Source: IPCC AR5, 2014)

#### **System Boundaries**

### Organisational boundaries

Apollo Jets' GHG inventory follows the operational control approach, in accordance with the GHG Protocol. Under the operational control approach, a company accounts for 100% of emissions from operations over which it or one of its subsidiaries has operational control. This GHG inventory covers all activity from Apollo Jets' offices.

Table 5 shows the sites that were included in the 2022 GHG inventory.

Table 5: Key figures for Apollo Jets' sites

Site location	Type of facility	Area (m²)	Headcount
Apollo Jets New York	Office	446	15
Apollo Jets California	Office	60	3
Apollo Jets Florida	Office	84	3
Total	-	590	21

(Source: South Pole, based on Apollo Jets, 2023)

## Operational boundaries

Under the 'GHG Protocol', emissions are divided into direct and indirect emissions. Direct emissions are those originating from sources owned or controlled by the reporting entity. Indirect

emissions are generated as a result of the reporting entity's activities but occur at sources owned or controlled by another entity.

The direct and indirect emissions are divided into three scopes as found below.

#### Scope 1

Scope 1 emissions are all carbon emissions originating from sources that are directly managed by the organisation (direct GHG emissions). This includes the emissions from the combustion of fossil fuels in mobile and stationary sources (e.g. owned or controlled aircrafts, boilers, power generators and vehicles) and carbon emissions generated by chemical and physical processes, as well as fugitive emissions from the use of cooling and air-conditioning (AC) equipment. Table 6 (below) gives an overview of the emission sources considered in scope 1, based on the information provided by Apollo Jets.

Table 6: Overview of scope 1 emission sources for 2022

Category	Emission sources	Boundary and justification for exclusion
Stationary combustion	Generation of electricity and heat	Included
Mobile combustion	Company-owned or leased vehicles / Fuels for mobile sources for passenger aircraft	Not applicable
Physical or chemical processing	Manufacture or processing of chemicals and materials	Not applicable
Fugitive emissions	Emissions from the use of cooling systems and AC equipment, leakage from ${ m CO_2}$ tanks or methane tubes	Included

## Scope 2

Scope 2 includes indirect GHG emissions from the generation of purchased electricity, steam, heat or cooling purchased by the organisation from external energy providers.

As required by the GHG Protocol, Scope 2 emissions are reported using both the location-based method and the market-based method<sup>2</sup>. This dual reporting allows corporations to compare their individual purchasing decisions to the overall GHG-intensity of the grids on which they operate.

The market-based method reflects emissions that result from electricity purchases that the company has purposefully chosen. When a contract is set up for the sale of electricity and the origin of energy generation can be guaranteed, then those specific and relevant emissions factors can be applied. The location-based method applies average emission factors that correspond to

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<sup>&</sup>lt;sup>2</sup> A location-based method reflects the average emissions intensity of grids on which energy consumption occurs (using mostly grid-average emission factor data). A market-based method reflects emissions from electricity that companies have purposefully chosen (or their lack of choice): it derives emission factors from contractual instruments, which include any type of contract between two parties for the sale and purchase of energy bundled with attributes about the energy generation for unbundled attribute claims (e.g. RECs, GOs, etc.).

the grid where consumption occurs. The default method applied to Apollo Jets reporting is market-based; location-based results are shown for completeness and transparency.

Table 7 presents an overview of the emission sources considered in scope 2.

Table 7: Overview of scope 2 emission sources for 2022

Category	Emission sources	Boundary
Electricity	Purchased electricity	Included
Steam	Purchased steam	Not applicable
District heating	Purchased heating	Not applicable
District cooling	Purchased district cooling	Not applicable

#### Scope 3

Scope 3 includes other indirect emissions, such as emissions from the extraction and production of purchased materials and services, vehicles not owned or controlled by the reporting entity, outsourced activities, or waste disposal.

According to the 'GHG Protocol', companies shall separately account for and report for emissions from Scope 1 and 2. Scope 3 is an optional reporting category according to the 'GHG Protocol', but as it is the most important scope for many organisations, companies are expected to assess at least the most relevant categories. In addition, it is best practice to include scope 3 emissions and it is a requirement for setting science-based targets (SBTs).

Table 8 presents an overview of the emission sources considered in Scope 3.

Table 8: Overview of scope 3 emission sources for 2022

Category	Emission sources	Boundary
Purchased goods and services	Purchased goods (raw materials) and services	Included
Capital goods	Production of capital goods (information technology [IT] equipment, machinery, buildings etc.)	Included
Fuel- and energy-related activities	Emissions from fuel and electricity generation, including transmission and distribution (T&D) losses	Included
Upstream transportation and distribution	Transportation and distribution of goods and services purchased by the reporting company	Included
Waste generated in operations	Waste management of operational waste (landfilling, recycling, etc.)	Included
Business travel	Travel and accommodation of employees/contractors	Included

Category	Emission sources	Boundary
Employee commuting and teleworking	Employee travel between home and work and incremental emissions related to working from home	Included
Upstream leased assets	Operation of assets leased by the organisation (lessee) in the reporting year and not included in scope 1 or 2	Not material. Not included
Downstream transportation and distribution	Transportation and distribution of products not purchased by the reporting company	Not material. Not included
Processing of sold products	Processing of intermediate products sold by the organisation	Not material. Not included
Use of sold products	Emissions from the use of sold products (e.g. energy consumption during use)	Included
End-of-life treatment of sold products	Waste disposal and treatment of sold products	Not material. Not included
Downstream leased assets	Operation of assets owned by the company (lessor) and leased to other entities, not included in scope 1 or 2	Not material. Not included
Franchises	Operation of franchises not included in scope 1 or 2	Not material. Not included
Investments	Operation of investments not included in scope 1 or 2	Not material. Not included

## Data inventory and assumptions

Overall, the data inventory, emission factors, and assumptions are based on the 'GHG Protocol'. Unless otherwise specified, all emission values in this report are given in metric tonnes of carbon dioxide equivalent ( $tCO_2e$ ).

Where activity data of the inventory was lacking, extrapolations and estimations were made. The complete overview of activity data, extrapolations, and estimations is summarised in Annex II. Whilst every effort has been made to calculate emissions as accurately as possible, GHG emissions calculations carry an inherent level of limitation and uncertainty. As standard practice and in line with the GHG Protocol, the choice of assumptions and emission factors followed a conservative approach.

The quality of activity data provided for a GHG inventory has a significant impact on the reliability and accuracy of emissions calculations. Primary activity data, such as the kWh of electricity purchased within a reporting year, yields to the highest quality calculations. Spend based data, which relies on a far greater number of assumptions, results in the least accurate.

## **Results**

Based on the data provided by Apollo Jets, the total GHG emissions for the year 2022 are estimated to be **69,752.78 tCO\_2e.** Table 9 below illustrates the key figures in terms of GHG emissions (in tCO $_2$ e) and energy intensity (in gigajoules [GJ]) relevant to corporate sustainability reporting, in accordance with the GRI Standards. Please note that, due to rounding of numbers, the figures may not add up exactly to the total provided.

Table 9: Key figures according to the Global Reporting Initiative (GRI)

GRI Standard		Торіс	Quantity	Unit
302-1	е	Energy consumption within the organisation	384.76	GJ
	а	Total fuel consumption from non-renewable sources  Natural gas	71.24 71.24	
	b	Total fuel consumption from renewable sources	0.0	GJ
	С	Total electricity consumption	313.52	GJ
305-1	а	Direct GHG emissions (scope 1)	3.63	tCO <sub>2</sub> e
305-2	а	Location-based energy indirect GHG emissions (scope 2)	31.27	tCO₂e
	b	Market-based energy indirect GHG emissions (scope 2)	31.27	tCO <sub>2</sub> e
305-3	а	Other indirect GHG emissions (scope 3)	69,717.88	tCO <sub>2</sub> e
302-4		GHG emissions intensity	3321.56	tCO <sub>2</sub> e/ employee

(Source: South Pole, based on Apollo Jets data, 2023)

Table 10: GHG emissions by scope and activity for 2022

Activity	Consumption	Unit	Emissions (tCO <sub>2</sub> e)	Percentage of total (%)
Scope 1: direct GHG emissions			3.63	0.01%
Stationary combustion			3.56	0.01%
Natural gas	19.78	MWh	3.56	0.01%
Fugitive emissions			0.07	<0.01%
Refrigerants	590	m2	0.07	<0.01%
Scope 2: indirect GHG emissions from purchased electricity, heating and cooling (market-based)			31.27	0.04%
Purchased Electricity			31.27	0.04%
Grid	87.08	MWh	31.27	0.04%
Scope 3: other indirect GHG emissions			69,717.88	99.95%
Category 1: Purchased goods and services			2.07	<0.01%

Activity	Consumption	Unit	Emissions (tCO <sub>2</sub> e)	Percentage of total (%)
Non flight-related food and drink products)	-	varia	2.04	<0.01%
Water supply	210	m <sup>3</sup>	0.03	<0.01%
Category 2: Capital goods	92.83	0.13%		
Furniture	80	units	4.28	0.01%
Monitors	72	units	40.09	0.06%
PCs	62	units	30.49	0.04%
Printers	10	units	3.90	0.01%
Telephone	32	units	8.90	0.01%
TV	4	units	5.17	0.01%
Category 3: Fuel- and energy-related	activities		2.09	<0.01%
Natural gas	19.78	MWh	0.68	<0.01%
Electricity	87.08	MWh	1.41	<0.01%
Category 4: Upstream transportation	and distribution		1.42	<0.01%
Ground transportation (courier services)	2,984.98	USD	1.42	<0.01%
Category 5: Waste generated in opera	0.12	<0.01%		
Commercial and industrial waste	0.31	ton	0.12	<0.01%
Category 6: Business travel	Category 6: Business travel			1.9%
Air travel and accommodation	262,600.00	USD	575.62	0.83%
Ground transportation	64,327.00	USD	27.66	0.4%
Category 7: Employee commuting	11.15	0.02%		
Car	34,890.85	km	7.65	0.01%
Other (taxi and motorbike)	5,267.52	km	1.06	<0.01%
Public transport (bus and train)	14,380.07	pkm	1.19	<0.01%
Teleworking	925.00	person days	1.24	<0.01%
Walk	3,340.01	pkm	0.00	0.00%
Category 11: Use of sold products	69,004.91	99.93%		
Sold tickets	6,243.00	trips	69,004.91	99.93%
Total GHG emissions (location-based)	69,752.78	-		
Total GHG emissions (market-based)		69,752.78	100%	

(Source: South Pole, based on Apollo Jets, 2023)

#### Overall results - Vista

Figure 3 presents a breakdown of Vista's GHG emissions for each of its eight business units. In 2022 Apollo Jets is the seventh in terms of highest GHG emissions of all eight global entities, at 69,752.78,  $tCO_2e$ , accounting for 4.84% of the overall global footprint.

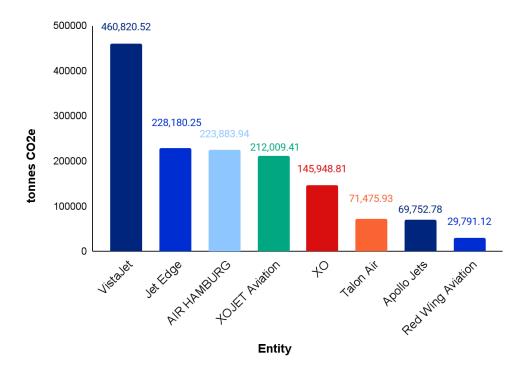
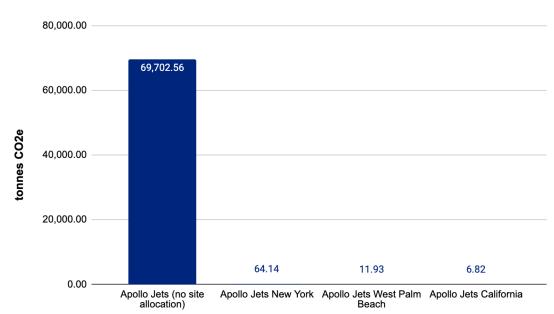


Figure 3: Vista overall 2022 GHG emissions by business entity

(Source: South Pole, based on Vista 2023)

#### Site-level results

Figure 4 presents a breakdown of emissions for each of Apollo Jets' 3 sites. Over 99% of emissions fall under Apollo Jets' global operations in this GHG inventory. This is partly because scope 3



(Category 11) emissions from sold tickets fall under Apollo Jets' global operations.

Site

Figure 4: Apollo Jets' 2022 GHG emissions by site

(Source: South Pole, based on Apollo Jets, 2023)

#### Category-level results

Figure 5 presents a breakdown of Apollo Jets' overall 2022 emissions by scope. The vast majority of emissions – 99.95% – fall under Scope 3. This is largely driven by emissions associated with the air travel due to sold tickets, which accounts for a rounded 100% of the Scope 3 footprint. 0.01% of emissions fall under Scope 1, and 0.04% under Scope 2.

Figure 6 further provides a breakdown of emissions by GHG Protocol category.

Business travel and Capital goods are the second and third highest sources of emissions, accounting for 0.86% and 0.13% of the total footprint respectively.

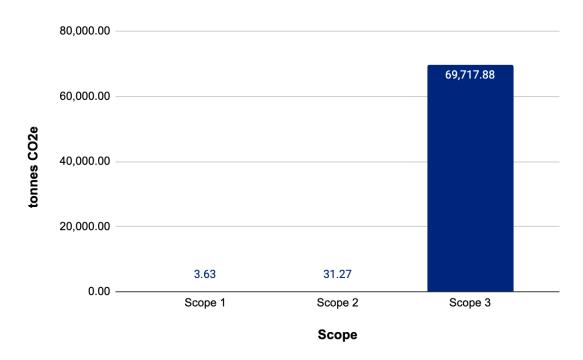


Figure 5: Apollo Jets' 2022 GHG emissions by scope

(Source: South Pole, based on Apollo Jets, 2023)

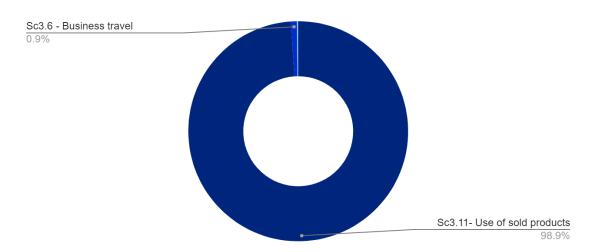
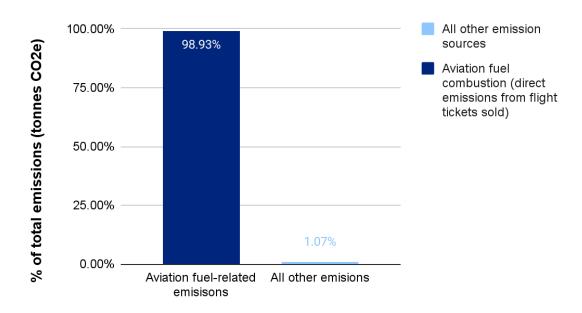


Figure 6: GHG emissions in 2022 by GHG Protocol category

(Source: South Pole, based on Apollo Jets, 2023)

Figure 7 provides a comparison of Apollo Jets emissions from the use of sold products and all other emission sources, to highlight the dominance of flight-related emissions in Apollo Jets' total 2022 footprint.



Source of emissions

Figure 7: Comparison of Apollo Jets' direct flight-related emissions and all other emissions (Source: South Pole, based on Apollo Jets, 2023)

Figure 8 presents a comparison of Apollo Jets' GHG inventory for 2021 and 2022. The overall pattern of emissions is relatively similar across years; scope 3 emissions from the use of sold products dominate the footprint, with scope 1 and scope 2 emissions contributing minimally. There are, however, some significant points of difference between the two years.

In particular, the 2022 footprint is significantly larger than the 2021 footprint, by around 2,304.44%, or  $66,851.78~tCO_2e$ . This is largely driven by a  $67,585.02~tCO_2e$  increase in emissions from the use of sold products. This is happening for 3 key reasons. First, there has been an improvement to the emissions calculation approach in 2022, so that the emissions from flights reflect the entire flight emissions rather than the emissions per passenger. This is a more appropriate way to account for private emissions, since unlike standard commercial flights, flight tickets are often for a full aircraft rather than one of many seats. An increase in ticket sales, as well as poor data in 2021 (which meant many assumptions were required) also contributed to the change seen in 2022.

In 2022 there was also a  $4,320.05\ tCO_2e$  increase in business travel emissions due to a lack of information in 2021; in 2022 some expense data (rental cars, flights and accommodation) was available.



Figure 8: Apollo Jets' GHG emissions from 2021-2022 by scope

(Source: South Pole, based on Apollo Jets data, 2023)

#### **Conclusions**

The annual measurement of GHG emissions is an essential first step that organisations must take on their journey to mitigating climate impact.

This report has presented a summary of Apollo Jets' 2022 GHG footprint. In 2022, emissions were significantly higher than in 2021, reflecting an increased sale of flights, vastly improved data availability on ticket sales, and improvements to calculation methodologies.

It is important that Apollo Jets takes steps to continue improving the quality and accuracy of its GHG footprint, and implements measures to decarbonise its operations. Glasgow's COP26 and the 2021 IPCC report shone a spotlight on the critical need to achieve Net Zero emissions to keep global warming within the 1.5 degree limit. Private aviation is a highly emissions intensive industry, and Apollo Jets has an important role to play in this transition.

In order to improve the quality of the GHG footprint, the following courses of action are recommended:

- Collect primary activity data: The data quality for the 2022 footprint was a significant improvement from 2021. Apollo Jets can continue to improve data quality by collecting primary consumption data as activity volumes for all sources of emissions. In particular, Apollo Jets should seek to collect primary activity data (rather than spend-based data) for business travel, ground transportation. This would allow for more accurate and reliable GHG calculations.
- **Continue establishing formalised data collection procedures:** Formalised data collection procedures, with internal quality controls, supplier communication, assigned roles, and

clear frameworks, allow for more streamlined data collection processes and limits the risk of missed data.

 Review data assumptions in Annex 2: Annex 2 in this document provides a more granular breakdown of key data assumptions. Treat these as priority emission sources to act on and improve data collection procedures for.

The following next steps are recommended for Apollo Jets to continue on its decarbonisation journey:

- Influence investment in and uptake of Sustainable Aviation Fuel (SAF): While Apollo Jets does not directly operate or have direct control over the fuel source of aircrafts, it is the emissions from burning aviation fuel that contributes predominantly to its overall 2022 footprint. Apollo Jets should seek to work with other Vista subsidiaries to manage the transition from aviation fuel to SAF, and, for instance, work to incentivise this transition through its technology platform for flight operators as well as ticket purchasers.
- Set science based targets with SBTi: The Science Based Targets initiative drives ambitious climate action in the private sector by enabling companies to set science-based emissions targets. Apollo Jets, and Vista, should demonstrate its commitment to sustainability in the aviation sector, and cement its position as a sector leader, by setting targets with SBTi.
- **Switch to a renewable energy supplier:** While emissions from purchased electricity only contribute minimally to Apollo Jets' overall footprint, this can be a very cost effective way to reduce overall scope 2 emissions.

# **Annex I**

## **Emission factors sources**

**Table 11: Emission factors sources** 

Activity	Emission factor reference <sup>3</sup>	
Fuel	BEIS 2022, SBTi Aviation Tool 2.0	
Refrigerants	ADEME 2022; BC V8.8	
Electricity (market-based)	eGrid 2021	
Electricity (location-based)	eGrid 2021	
Purchased goods and services	BEIS 2022, CEDA Global 6, 2022	
Capital goods	CEDA Global 6, 2022	
Freight	US EPA 2022, BEIS 2022, CEDA Global 6, 2022	
Waste	BEIS 2022	
Business travel	BEIS 2022, CEDA Global 6, 2022	
Commuter travel	BEIS 2022	
Teleworking	IEA energy indicators 2022; Anthesis, 2020; BEIS 2022; eGRID, 2021; SP custom EF's	
Use of sold products	European Federation for Transport and Environment AISBL, 2021	

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<sup>&</sup>lt;sup>3</sup> South Pole derives its emission factors from reliable and credible sources. South Pole is not responsible for inaccuracies in emission factors provided by third parties.

# **Annex II**

# Data assumptions and extrapolations

Table 12: Data assumptions and extrapolations

Category	Sub-Category	Relevant sites	Assumption
Purchased heat	Heating	All	Emissions from heating consumption were estimated based on average sectoral heat intensity metrics from the U.S. Energy Information Administration (EIA). Heating method was assumed to be natural gas.
Fugitive emissions	Refrigerants	All	Emissions from refrigerant leakage were estimated based on average sectoral consumption values and applied to Apollo Jets sites based on total site area.
Purchased electricity	Electricity	All	Emissions from purchased electricity were estimated based on average kWh/m2 from the primary data of the other US offices from other entities.
Purchased goods and services	Water supply	All	Emissions from water supply were estimated based on figures for country/regional level water consumption and extrapolated based on site headcount.
Business travel	All	All	When applicable, Scope 3 emissions include Well-to-tank (WTT) emissions, which are those associated with the upstream production and distribution of the fuel and energy.
Business travel	Flights	All	Flight emissions include a radiative forcing index (RFI) multiplier of 1.9, which accounts for the effects of non-CO2 emissions (contrails, water vapour, nitrogen oxides and soot). This is in line with BEIS recommendations, which are informed by wider industry research.
Business travel	Flights	All	Apollo Jets reported the total expenses for air travel, accommodation and ground transportation (326,927 USD). 64,327 USD corresponds to ground transportation and 262,600 USD is air travel and accommodation. Assumed all 262,600 USD as air travel to follow the most conservative approach.
Employee commuting	Teleworking	All	Teleworking emissions were estimated based on country and regional electricity and heating consumption for employees working from home, and applied to sites based on headcount.
Employee commuting	Travel	All	Employee travel emissions were estimated based on country and regional travel data for modes of commuter transport and applied to sites based on headcount.
Use of sold products	Sold tickets	All	Assumed 11 tCO₂e/trip as a proxy (from XO results) and applied to the total number of trips provided by Apollo Jets.

