Advania UK

PPN 06/21 Carbon Reduction Plan

Supplier name: Advania UK Limited.

Publication date: 6th March 2025

Commitment to Achieving Net Zero

Advania UK is committed to achieving Net Zero emissions by 2050 through the implementation of carbon reduction targets and initiatives. While Advania is compliant with the UK Government's Net Zero 2050 target, it has set an ambitious internal target to achieve Net Zero by 2045. Advania is committed to achieving Net Zero by 2045 and implementing this Carbon Reduction Plan whilst providing a wide range of carbon reduction initiatives in the delivery of contracts.

Advania UK is committed to annually reviewing its greenhouse gas emissions (GHG) and maintaining its commitment to Net Zero. This commitment will be supported by an annual quantification of all Scope 1, Scope 2 and relevant Scope 3 emissions.

Emissions are quantified in accordance with ISO 14064-1:2019, the international standard for the quantification and reporting of GHG emissions. Emission factors produced by DEFRA have been used to calculate emissions in tCO_2e, tCO_2, tCH_4 and tN_2O.

This document is a summarised version of a full Carbon Reduction Plan that has been aligned with PPN 06/21 formatting guidelines.

This Carbon Reduction Plan has been produced in collaboration with [Carbonology® Ltd.](#)

Current Reporting year: 2024

Current Reporting Year: 2024 (1st January – 31st December)	
Additional Details Relating to the Current Reporting Year Calculations.	
The year 2024 was Advania's fourth period of emissions reporting. Categories are from the GHG Protocol as referenced in PPN 06/21 guidance. The quantified and reported emission sources remain consistent with those in the 2023 base year.	
Current Reporting Year Emissions:	
EMISSIONS	**TOTAL (tCO$_2$e)**
Scope 1	**13.31**
Scope 2	**(location-based) 123.99** **(market-based) 108.82**
Scope 3 **(Included Sources)**	Total: **1,239.77** Category 1: Purchased goods and services **0.17** Category 2: Capital goods **170.94** Category 3: Fuel and energy related activities **84.85** Category 4: Upstream transportation and distribution **12.35** Category 5: Waste generated in operations **0.28** Category 6: Business travel **296.10** Category 7: Commuting **419.84** Category 7: Homeworking **221.17** Category 8: Upstream leased assets **33.99** Category 9: Downstream transportation and distribution **0.08**
Total Emissions	**(location-based) 1,377.07** **(market-based) 1,361.91**

Baseline Year: 2023

Baseline emissions are a record of the greenhouse gases that have been produced in the past, prior to the implementation of any emission reduction initiatives. Baseline emissions serve as a reference point against which emissions reductions can be measured.

Baseline Year: 2023 (1st January – 31st December)	
Additional Details Relating to the Baseline Emissions Calculations.	
The year 2023 was Advania's third period of emissions reporting. Several changes were made to the reporting boundaries compared to the previous year, including the addition of emissions sources such as electricity transmission & distribution, staff homeworking, rail travel, air travel, hotel stays, water supply, and water treatment, purchased goods and services and capital goods. The base year has been reset from 2020 to 2023 due to the expanded scope of emissions reporting in 2023. Updating the baseline to 2023 ensures consistency and facilitates meaningful comparability of GHG emissions data across future reporting periods. Categories are from the GHG Protocol as referenced in PPN 06/21 guidance.	

Baseline Year Emissions:

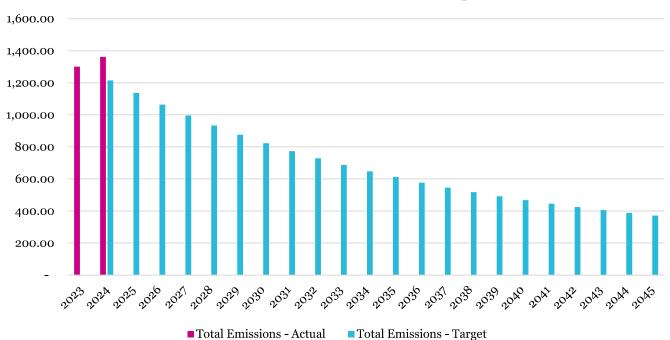| EMISSIONS	TOTAL (tCO$_2$e)
Scope 1	**22.75**
Scope 2	**(location-based) 126.02**
	(market-based) 109.09
Scope 3 **(Included Sources)**	Total: **1,168.53** Category 1: Purchased goods and services **0.17** Category 2: Capital goods **131.59** Category 3: Fuel and energy related activities **79.64** Category 4: Upstream transportation and distribution **45.13** Category 5: Waste generated in operations **1.24** Category 6: Business travel **269.74** Category 7: Commuting **432.83** Category 7: Homeworking **177.92** Category 8: Upstream leased assets **14.13** Category 9: Downstream transportation and distribution **16.15**
Total Emissions	**(location-based) 1,317.30** **(market-based) 1,300.38**

Emissions Reduction Targets

To ensure that we continually reduce our carbon emissions and achieve Net Zero by 2050, we have developed the following carbon reduction targets. Reductions listed below are against the base year.

- **Reduce emissions from gas by 5% each year**
  - **1.24** tCO2e saving by 2029
- **Reduce emissions from company vehicles by 5% each year**
  - **1.64** tCO2e saving by 2029
- **Reduce emissions from electricity generation by 8% each year**
  - **42.94** tCO2e saving by 2029
- **Reduce emissions from grey fleet by 8% each year**
  - **33.12** tCO2e saving by 2029
- **Reduce emissions from air travel by 5% each year**
  - **42.07** tCO2e saving by 2029
- **Reduce emissions from commuting by 8% each year**
  - **170.38** tCO2e saving by 2029
- **Reduce emissions from capital goods 8% each year**
  - **51.80** tCO2e saving by 2029
- **Reduce emissions servers by 8% each year**
  - **5.56** tCO2e saving by 2029

Based on these targets, we project that carbon emissions will decrease over the next five years to 875.51 tCO_2e by 2029. This is a reduction of 32.67% from the 2023 base year.

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

Advania Net Zero Pathway - tCO_2e

Legend: ■ Total Emissions - Actual   ■ Total Emissions - Target

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

- Completed Energy Savings Opportunities Scheme (ESOS) Phase 2 and Phase 3, identifying additional energy efficiency measures to review and implement where feasible
- Invested in having a dedicated Sustainability Lead to coordinate ESG reporting and sustainability-related initiatives
- Enhanced sustainability data collection and reporting to meet increasing environmental regulatory requirements
- Implemented hybrid working across the company to reduce emissions from commuting and business travel
- Conducted a comprehensive staff commuting and homeworking survey to accurately estimate emissions
- Virtual meetings prioritised over face-to-face meetings to reduce business travel
- Decreased printing company-wide
- Installed electric car charging points at our largest office in Manchester
- Introduced an electric car salary sacrifice scheme
- Improved methodology for capturing activity data and expanded the scope of emissions reporting.
- Rolled out mandatory Environmental Awareness Training for all employees, which is renewed annually
- Reviewed recycling procedures in offices to reduce waste
- Increased the level of ESG-related risk analysis in our supplier management process

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

- **Improved Reporting:** We will continue to review systems and suppliers to enhance emissions reporting capabilities and data granularity for proactive improvements
- **ESG Champions:** Introducing an ESG Champions programme with representation from each business unit to increase the focus on carbon reduction initiatives and to promote sustainable business practices
- **Electric Car Scheme:** Reviewing our electric car scheme to encourage further adoption among employees
- **Company Car Policy:** Assessing the feasibility of transitioning to electric vehicles for the remaining cars in our fleet upon their renewal.
- **Office Locations:** Exploring ways to minimise office carbon footprints, including further installation of LED low-energy light bulbs, working with landlords to ensure cleaning and servicing of solar panels for maximum efficiency
- **Energy Supplier:** Working with landlords to investigate switching to 100% renewable energy suppliers for all leased offices; currently, two offices are supplied with 100% renewable energy
- **Travel and Meeting Policy:** Reducing inter-office travel for meetings and continue to encourage the use of technology for meetings
- **IT recycling:** Ensure that all internal hardware is refurbished if necessary and re-used wherever possible to reduce e-waste to a minimum

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[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

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[3].
This Carbon Reduction Plan has been reviewed and approved by the Advania UK Executive Team.

Signed On behalf of Advania UK Limited:

Name: Geoff Kneen

Position: CEO

Date: 6th March 2025

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[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