

Carbon Reduction Plan

ANT TELECOMMUNICATIONS LTD

Company number: 03971385

Registered Address: Unit 5 The Courtyard, Meadowbank, Furlong Road, Buckinghamshire, SL8 5AU

Operations address: Unit 5 The Courtyard, Meadowbank, Furlong Road, Buckinghamshire, SL8 5AU

FTE – 23 (Full-Time Employees)

Reporting Period: 1st January 2025 – 31st December 2025

Baseline Year: 1st January 2023 – 31st December 2023

Commitment to Achieving Net Zero

ANT TELECOMMUNICATIONS LTD is committed to achieving Net Zero greenhouse gas (GHG) emissions by 2050 in alignment with the UK Government's legislative target under the Climate Change Act 2008 (2050 Target Amendment) Order 2019.

This Carbon Reduction Plan (CRP) has been completed in accordance with PPN 006 and associated guidance and reporting standard for Carbon Reduction Plans.

Baseline Emissions Footprint (2023)

Baseline Emissions Footprint (2023)

The baseline year for this Carbon Reduction Plan is 1st January 2023 – 31st December 2023.

Baseline Year Emissions (2023):

Scope / Category	Emissions (tCO ₂ e)
Scope 1 – Gas Heating	2.94
Scope 2 – Purchased Electricity	4.89

Scope / Category	Emissions (tCO ₂ e)
Scope 3 – Cat 1 Purchased Goods	733.64
Scope 3 – Cat 2 Capital Goods	0.69
Scope 3 – Cat 3 Fuel & Energy	0.42
Scope 3 – Cat 4 Upstream T&D	Not reported
Scope 3 – Cat 5 Waste	1.78
Scope 3 – Cat 6 Business Travel	23.10
Scope 3 – Cat 6 Hotel Stay	1.45
Scope 3 – Cat 7 Employee Commuting	14.44
Scope 3 – Cat 7 Work From Home	8.30
Scope 3 – Cat 8 Upstream Leased Assets	No data
Scope 3 – Cat 9 Downstream T&D	6.09
Total Scope 3	789.91
Total Emissions	797.74

Note: Category 4 (Upstream T&D) was not separately reported in the 2023 baseline. All other mandatory PPN 006 Scope 3 categories were reported and are presented on a consistent basis with subsequent years.

Emissions Trend (2023–2025)

To provide full transparency, the table below compares the 2023 baseline against the 2024 and 2025 reporting years across all scopes and the most material categories.

Scope / Category	2023 (tCO ₂ e)	2024 (tCO ₂ e)	2025 (tCO ₂ e)	2023–2025 Change
Scope 1 – Gas Heating	2.94	3.20	2.68	▼ -0.26 (-8.8%)
Scope 2 – Purchased Electricity	4.89	3.82	2.80	▼ -2.09 (-42.7%)
Cat 1 – Purchased Goods	733.64	606.49	522.37	▼ -211.27 (-28.8%)
Cat 2 – Capital Goods	0.69	1.03	0.13	▼ -0.56 (-81.2%)
Cat 3 – Fuel & Energy	0.42	0.34	0.08	▼ -0.34 (-81.0%)
Cat 4 – Upstream T&D	-	-	3.75	New inclusion
Cat 5 – Waste	1.78	1.69	1.65	▼ -0.13 (-7.3%)
Cat 6 – Business Travel	24.55	24.96	19.68	▼ -4.87 (-19.8%)
Cat 7 – Commuting	22.74	19.93	10.72	▼ -12.02 (-52.9%)
Cat 9 – Downstream T&D	6.09	5.66	3.82	▼ -2.27 (-37.3%)

Scope / Category	2023 (tCO ₂ e)	2024 (tCO ₂ e)	2025 (tCO ₂ e)	2023–2025 Change
Total Scope 3	789.91	660.10	562.19	▼ -227.72 (-28.8%)
Grand Total (All Scopes)	797.74	667.12	567.68	▼ -230.06 (-28.8%)

Cat 6 includes hotel stay (2023: 1.45; 2024: 1.20; 2025: 0.06). Cat 7 includes work-from-home (2023: 8.30; 2024: 10.82; 2025: 1.09).

Current Emissions Footprint (2025)

Reporting Period: 1st January 2025 – 31st December 2025

Scope	Emissions (tCO ₂ e)	% of Total
Scope 1	2.68	0.5%
Scope 2	2.80	0.5%
Scope 3	562.19	99.0%
Total	567.68	100%

The chart below visualises the reduction in reported emissions, driven by reduced purchased goods and grid decarbonisation.

Total Reported Emissions (tCO₂e): Scope 1: 2.68 | Scope 2: 2.80 | Scope 3: 562.19

Interpretation of Year-on-Year Changes

Total reported emissions fell from 797.74 tCO₂e (2023) to 667.12 tCO₂e (2024) and 567.68 tCO₂e (2025) — a 28.8% reduction across the period. The reduction is driven primarily by reduced procurement spend, grid decarbonisation, and reduced commuting and business travel.

Scope 1 emissions rose slightly in 2024 (2.94 → 3.20 tCO₂e) before falling in 2025 (2.68 tCO₂e), reflecting variations in gas heating consumption across the period.

The key drivers for this variance are:

1. **Reduced Purchased Goods Spend (Primary Driver):** Total spend on Purchased Goods decreased from £1,428,096 in 2023 to £1,364,259 in 2024 and £1,184,255 in 2025 (-13.2% year-on-year), correlating with the reduction in Category 1 emissions. The "Electrical / Electronics: Small Electric Appliances" subcategory remains the largest contributor at 82.31% of total organisational emissions.
2. **Grid Decarbonisation:** The UK grid electricity factor decreased from 0.20707 kgCO₂e/kWh (2023) to 0.13096 kgCO₂e/kWh (2025), contributing to a 42.7% reduction in Scope 2 emissions.
3. **Reduced Commuting and Business Travel:** Commuting emissions fell 52.9% and business travel fell 19.8% between 2023 and 2025, reflecting hybrid working patterns and reduced travel activity.
4. **Inclusion of Category 4 (Upstream T&D):** Category 4 was not separately reported in the 2023 and 2024 inventories and now forms part of the 2025 reporting boundary.

Conclusion: The 2025 inventory provides the most accurate and most complete picture of current emissions, with full visibility of the mandatory Scope 3 categories. Future reduction strategies will focus particularly on Purchased Goods, which represents the company's largest source of emissions.

Emissions Reduction Targets (SBTi-Aligned)

ANT TELECOMMUNICATIONS LTD has adopted science-based reduction targets aligned with the Science Based Targets initiative (SBTi) methodology for SMEs.

Near-Term Targets (by 2030):

Scope	Baseline (2023)	2030 Target	Absolute Reduction
Scope 1	2.94 tCO ₂ e	1.47 tCO ₂ e	50%
Scope 2	4.89 tCO ₂ e	2.45 tCO ₂ e	50%
Scope 3	789.91 tCO ₂ e	592.43 tCO ₂ e	25%

Scope	Baseline (2023)	2030 Target	Absolute Reduction
Total	797.74 tCO₂e	596.35 tCO₂e	25.2%

Long-Term Target (Net Zero by 2050):

Scope	Baseline (2023)	2050 Target	Absolute Reduction
Scope 1	2.94 tCO ₂ e	0.00 tCO ₂ e	100%
Scope 2	4.89 tCO ₂ e	0.00 tCO ₂ e	100%
Scope 3	789.91 tCO ₂ e	≤78.99 tCO ₂ e	≥90%

Decarbonisation Initiatives

1. Purchased Goods Decarbonisation (Targeting 733.64 tCO₂e)

Initiative	Description	Anticipated Reduction	Timeline
Supplier Engagement	Engage key suppliers on their own emissions reductions and request carbon data	10% of Category 1 emissions	2027 onwards
Product Lifecycle	Where appropriate, encourage repair, reuse and extension of equipment life rather than unnecessary replacement.	5–10% of Category 1 emissions	2027–2030
Sustainable Packaging	Increase recycled and recyclable packaging; reduce single-use plastics	2–5% of Category 1 emissions	2027–2028

Initiative	Description	Anticipated Reduction	Timeline
Spend Optimisation	Review procurement practices to avoid unnecessary purchases	5–10% of Category 1 emissions	2027–2030

2. Business Travel Decarbonisation (Targeting 23.10 tCO₂e)

Initiative	Description	Anticipated Reduction	Timeline
Travel Hierarchy Policy	Continue using Microsoft Teams for customer, supplier and internal meetings where physical attendance is not necessary.	5% of business travel miles	Ongoing
Journey Consolidation	Where practical, coordinate customer and site visits geographically or sequentially to reduce unnecessary mileage.	5% of business travel miles	Q1 2027
Modal Shift – Rail	Continue using rail for appropriate journeys where equipment transport, destination and operational requirements make this practical.	5% of long-distance car miles	Q2 2027
Eco-Driving Training	Train all staff who drive for business	5–10% fuel efficiency improvement	Q2 2027

3. Energy Efficiency (Targeting Scope 1 & 2 – 7.83 tCO₂e)

Initiative	Description	Anticipated Reduction	Timeline
Renewable Electricity Tariff	Move to a renewable electricity tariff when the current electricity supply contract expires, subject to suitable commercial terms.	100% of Scope 2 (2.80 tCO ₂ e)	2027
LED Lighting	Energy-efficient LED lighting has already been installed across the office.	Maintain reduced electricity consumption from lighting.	Completed
Heating Efficiency	Doors and windows have been replaced to improve the thermal efficiency of the premises.	Reduced heating demand	Completed
Heating Controls	Thermostatic radiator valves have been installed to provide greater control of office heating.	Improve heating efficiency and reduce unnecessary gas consumption.	Completed

4. Waste Reduction (Targeting 1.78 tCO₂e)

Initiative	Description	Anticipated Reduction	Timeline
Waste Contractor Engagement	Obtain waste contractor reports to verify disposal methods	Improved data accuracy	Q2 2027
Recycling Programme	Maintain the recycling streams already established within the office and encourage correct waste segregation.	10% reduction in landfill waste	Q3 2027
Digital Working	Continue ANT's established digital-first working practices, minimising printing and paper consumption wherever practical.	Maintain low levels of office paper waste.	Q4 2027

5. Commuting and Employee Engagement (Targeting 14.44 tCO₂e)

Initiative	Description	Anticipated Reduction	Timeline
Cycle to Work Scheme	Investigate the introduction of a Cycle to Work scheme to provide employees with the opportunity to access tax-efficient bicycle and cycling equipment purchases.	Modal shift from car to active travel	Q2 2027

Initiative	Description	Anticipated Reduction	Timeline
EV Salary Sacrifice	Investigate the feasibility and suitability of introducing an EV salary sacrifice scheme for employees.	Transition from petrol/diesel commuting	Q3 2027
Annual Commuting Survey	Conduct annual staff travel survey to track modal shifts	Improved data and engagement	Annually (next survey Q1 2027)
Flexible Working	Continue ANT's existing flexible/hybrid working arrangements where appropriate to employees' roles.	Help reduce unnecessary commuting while maintaining operational requirements.	Ongoing

ANT Telecom Net Zero Decarbonisation Pathway

Year	Milestone
2023	Baseline Established (797.74 tCO ₂ e)
2024	Interim Reporting Year (667.12 tCO ₂ e); 16.4% reduction against baseline
2027	Implementation Phase Starts; Travel Hierarchy & Route Optimisation; 100% Renewable Electricity Tariff
2030	Near-Term Target (596.35 tCO ₂ e); Scope 1 (-50%), Scope 2 (-50%), Scope 3 (-25%)

Year	Milestone
2035	Employee Vehicle Transition: Target for 70% of employee vehicles used for business travel to be electric or hybrid.
2050	Net Zero Target (≤ 78.99 tCO ₂ e); $\geq 90\%$ Absolute Reduction across all Scopes

Environmental Management Measures

ANT TELECOMMUNICATIONS LTD operates under an environmental management framework aligned with ISO 14001 principles. The following measures will be applied when performing contracts:

1. **Travel Planning:** All project delivery plans will include a travel assessment, identifying opportunities for virtual attendance, journey consolidation, and low-carbon transport modes.
2. **Site Waste Management:** Waste generated on client sites will be segregated for recycling wherever possible, with waste contractor reports obtained to verify diversion rates.
3. **Procurement:** Suppliers will be asked to demonstrate their own carbon reduction commitments and will be evaluated on environmental criteria.
4. **Continuous Improvement:** Annual reviews of emissions performance against targets will inform updates to this CRP.

Declaration and Sign-Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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 standard⁷ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

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 and is a work in progress as data is currently being collated to one central system.

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

Signed: 

Name: Chris Potts

Position: Marketing Director

Date: 1/10/2027

Appendix A: Glossary of Terms

Term	Definition
CRP	Carbon Reduction Plan
tCO ₂ e	Metric tonnes of carbon dioxide equivalent
Scope 1	Direct emissions from owned/controlled sources (e.g., gas heating)
Scope 2	Indirect emissions from purchased electricity
Scope 3	All other indirect value chain emissions
PPN 006	Procurement Policy Note 006 – UK government guidance on carbon reduction in procurement
SBTi	Science Based Targets initiative
GHG	Greenhouse Gas
DESNZ	Department for Energy Security and Net Zero
FTE	Full-Time Equivalent

Appendix B: Emission Factors Used (2025)

All emissions calculations have been undertaken using the UK Government Greenhouse Gas Reporting: Conversion Factors 2025, published by the Department for Energy Security and Net Zero (DESNZ). These factors are the authority source for UK businesses preparing GHG reports under the Streamlined Energy and Carbon Reporting (SECR) framework.

Category	Factor	Unit	Source
Natural Gas	0.18252	kg CO ₂ e/kWh	DEFRA 2025
Electricity (Grid)	0.13096	kg CO ₂ e/kWh	DEFRA 2025
Upstream Transport	0.20317	kg CO ₂ e/ t.km	DEFRA 2025
Business Travel (Car)	0.27849	kg CO ₂ e/mile	DEFRA 2025
Commuting (Car)	0.27849	kg CO ₂ e/mile	DEFRA 2025
Commuting (Bus)	0.16713	kg CO ₂ e/mile	DEFRA 2025
Commuting (WFH)	0.33378	kg CO ₂ e/day	DEFRA 2025
Hotel Stay	11.2	kg CO ₂ e/night	DEFRA 2025
Downstream Transport	0.2619	kg CO ₂ e/£	Spend-based proxy
Waste	1.00	kg CO ₂ e/kg	Standard conversion

Appendix C: References

Source	URL / Description
UK Government GHG Conversion Factors 2025	https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2025

Source	URL / Description
PPN 006: Technical Standard	https://www.gov.uk/government/publications/ppn-006-taking-account-of-carbon-reduction-plans-in-the-procurement-of-major-government-contracts/ppn-006-technical-standard-for-completion-of-carbon-reduction-plans-html
PPN 006: Guidance	https://www.gov.uk/government/publications/ppn-006-taking-account-of-carbon-reduction-plans-in-the-procurement-of-major-government-contracts/ppn-006-guidance-on-taking-account-of-carbon-reduction-plans-adopting-and-applying-conditions-of-participation-html
Environmental Reporting Guidelines	https://www.gov.uk/government/publications/environmental-reporting-guidelines-including-mandatory-greenhouse-gas-emissions-reporting-guidance
SBTi Corporate Net-Zero Standard	sciencebasedtargets.org
ISO 14064- 1:2018	GHG quantification and reporting at organisation level
ISO 14001:2015	Environmental Management Systems