

CARBON REDUCTION PLAN

Mr H.S. Kehlar and Mr S. Kumar t/a Purely Orthodontics

Purely Orthodontics – Basildon

Bridge House, 134 Sandon Road, Basildon, Essex, SS14 1TS

Prepared in alignment with Procurement Policy Note PPN 006 and NHS Carbon Reduction Plan requirements

Version 1.0 | August 2026

Net Zero commitment: Purely Orthodontics is committed to achieving Net Zero greenhouse gas emissions by 2050 for its UK operations.

1. Commitment to achieving Net Zero

Mr H.S. Kehlar and Mr S. Kumar t/a Purely Orthodontics is committed to achieving Net Zero greenhouse gas emissions by 2050 for its UK operations. This Carbon Reduction Plan (CRP) summarises the organisation's current carbon footprint, the data currently available, and the measures being taken to reduce emissions over time.

This is Purely Orthodontics' first formal Carbon Reduction Plan. It has been prepared using the structure and principles of the UK Government PPN 006 Carbon Reduction Plan technical standard and the NHS England Carbon Reduction Plan requirements in force at the date of publication.

2. Organisational and reporting boundary

Bidding entity	Mr H.S. Kehlar and Mr S. Kumar t/a Purely Orthodontics
Operational site	Purely Orthodontics – Basildon, Bridge House, 134 Sandon Road, Basildon, Essex, SS14 1TS
Approximate workforce	10 people
Normal hours	9:00am – 5:00pm
Reporting approach	Operational control, using the best and latest data reasonably available
Baseline / current reporting year	1 April 2025 to 31 March 2026 (first formal reporting year)

Utility data note. Energy bills for Bridge House are issued to Pitsea Dental Care Ltd at the same supply address. Separate sub-metering for Purely Orthodontics is not currently available. For this first CRP, the full-site E.ON annualised consumption has therefore been used as a conservative proxy rather than attempting to allocate a lower share to Purely Orthodontics. This approach will be reviewed as data quality improves.

Data coverage note. Verified billed data is available for 1 July 2025 – 22 March 2026 (gas) and 1 August 2025 – 6 March 2026 (electricity, with a short gap of billed data between 1 December 2025 and 4 January 2026). No billed data is available for April–June 2025. Annualised "Estimated Annual Usage" figures from the most recent E.ON statements have therefore been used to represent the full reporting year, as set out in Section 3.

3. Methodology and data quality

Emissions are reported in tonnes of carbon dioxide equivalent (tCO₂e). Calculations use the UK Government greenhouse gas conversion factors for company reporting 2026, the latest factors available at the date of this plan.

Complete verified 12-month utility statements were not available because the energy supplier changed in spring 2026 and some E.ON readings were estimated or awaiting correction. The latest E.ON bills provide estimated annual usage figures of 12,647.45 kWh for electricity and 14,034 kWh for gas. These annualised figures have been used for the initial footprint and will be replaced by actual full-year data in the next annual update.

The practice has not previously calculated a formal carbon footprint. Accordingly, the first reporting year is also adopted as the baseline year. Employee commuting has been estimated for the first time this year using role-level travel-mode and distance information (see Section 4). Waste tonnage, upstream supplier freight distances and refrigerant data are not currently recorded and cannot yet be quantified reliably. These gaps are clearly disclosed rather than represented as zero emissions.

4. Baseline and current emissions

Because this is the first Carbon Reduction Plan, the baseline year and current reporting year are the same. Future CRPs will compare subsequent years against this baseline.

Summary

Emissions total	tCO ₂ e		
Scope 1 (quantified: mains gas)	2.56		
Scope 2 (purchased electricity)	1.66		
Scope 3 – quantified categories (business travel, employee commuting, downstream distribution)	2.64		
Total quantified emissions (Scope 1 + Scope 2 + quantified Scope 3)	6.86		

This total excludes Scope 1 refrigerants and Scope 3 upstream transport/distribution and waste, which are not yet quantified (see below). It should therefore not be interpreted as the organisation's complete carbon footprint.

Detail by emissions source

Emissions source	Activity data / basis	Emissions (tCO ₂ e)
Scope 1 – mains gas	14,034 kWh annualised E.ON usage × 0.18231 kgCO ₂ e/kWh	2.56
Scope 1 – owned/controlled vehicles	No practice-owned, leased or operated vehicles	0.00
Scope 1 – refrigerants	Air-conditioning is present; no reliable refrigerant leakage data currently available	Not yet quantified
Scope 2 – purchased electricity	12,647.45 kWh annualised E.ON usage × 0.13096 kgCO ₂ e/kWh	1.66
Scope 3 Cat. 4 – upstream transport/distribution	Clinical stock deliveries typically 1–2 times per week; freight distance/vehicle data unavailable	Not yet quantified
Scope 3 Cat. 5 – waste generated in operations	Clinical waste collected approx. every 2 months; general waste weekly; waste weights not available	Not yet quantified
Scope 3 Cat. 6 – business travel	No practice-funded business travel reported for the year	0.00
Scope 3 Cat. 7 – employee commuting	9 staff commute by car (est. blended return distance 4.7 miles/day across reception, nursing and clinical roles), 1 staff member walks. Estimated using DEFRA average-car (unknown fuel) factor over an assumed 230 working days/year. See methodology note below.	2.64
Scope 3 Cat. 9 – downstream transport/distribution	Orthodontic healthcare service; no material downstream distribution of sold products identified	0.00

Employee commuting methodology. Steve's onsite assessment recorded 9 of 10 staff commuting by car and 1 by walking, with approximate return commuting distances of 1–5 miles for reception staff, 2–5 miles for nurses and 5–10 miles for clinicians. In the absence of an exact role-by-role headcount split, the midpoint of each range (3.0, 3.5 and 7.5 miles) has been averaged to give a single blended return-commute distance of approximately 4.7 miles (7.5km) per car-commuting staff member per working day. This was applied across an assumed 230 working days per year (5 days/week, 46 working weeks, allowing for holiday and part-time patterns) and converted using the DEFRA 2026 'average car, unknown fuel' factor of approximately 0.170 kgCO₂e/km. This gives an estimated 2.64 tCO₂e. This is a first-pass estimate; Section 8 sets out how it will be refined with an actual staff commuting survey.

5. Carbon reduction targets

Purely Orthodontics will maintain its commitment to Net Zero by 2050 and will seek year-on-year reductions in emissions. As an initial quantified target, the practice will seek to reduce its quantified Scope 1 and Scope 2

emissions by at least 20% by 2031 compared with the 2025/26 baseline, from approximately 4.21 tCO₂e to no more than approximately 3.37 tCO₂e, subject to normalisation for material changes in premises use or service activity.

Having now produced a first estimate of employee commuting emissions (2.64 tCO₂e, Section 4), the practice will monitor this figure annually and set a formal quantified reduction target for this category once a second year of comparable data is available. Once a reliable baseline has also been established for the remaining Scope 3 categories (waste and upstream transport/distribution), the practice will set an additional quantified target covering those categories and will report progress annually.

6. Environmental management measures already in effect

- A 3.60kW solar PV system (12 x JA Solar 300W panels) was commissioned in March 2019 (MCS Certificate MCS-01138612-B) and generates an estimated 3,310.85 kWh annually on-site – approximately a quarter of the practice's current annual electricity demand. Battery storage is being considered to increase the benefit of this on-site generation.
- Energy-efficient heating controls are in use; the building is also heated/cooled using electrical air-conditioning, allowing heating to be managed by zone and need.
- LED/low-energy lighting has been installed in part of the premises, with automatic or manual switch-off practices in a number of rooms.
- Digital patient records, electronic referrals, electronic correspondence, patient communications and electronic signatures have substantially reduced paper use and printing.
- Clinical and non-clinical waste are segregated. Clinical waste is collected by AURGEN; general waste is managed through Basildon Council, and recyclable materials are separated and taken to a recycling facility regularly.
- The practice seeks to reduce unnecessary single-use items where clinically appropriate and maintains responsible clinical waste segregation.
- Water use is actively managed, including staff awareness to avoid taps being left running unnecessarily.
- Remote meetings are used where appropriate to reduce unnecessary travel.
- Clinical stock is generally consolidated into larger orders where practical, reducing the frequency of deliveries and packaging movements.
- Equipment replacement decisions take account of energy efficiency where suitable alternatives are available.

7. Planned carbon reduction measures

Over the next five years, Purely Orthodontics will pursue the following practical measures, subject to clinical safety, service requirements and value for money:

- Assess the feasibility of additional solar generation and battery storage.
- Further reduce electricity and gas consumption through monitoring, controls, maintenance and staff awareness.
- Extend LED/low-energy lighting and automatic controls where practical.
- Increase recycling and improve recording of waste quantities.
- Continue reducing paper, printing and physical correspondence through digital workflows.
- Review key suppliers partly on environmental performance and continue consolidating orders to reduce unnecessary deliveries.
- Encourage lower-carbon commuting choices where practical, without restricting staff choice or accessibility.
- Prioritise energy-efficient equipment at normal replacement points.
- Review the electricity tariff and renewable electricity options when contracts are renewed.

8. Data improvement plan

The practice recognises that this first CRP contains data limitations. During the next reporting cycle, it will improve the completeness and assurance of its carbon footprint by:

- Obtaining a complete 12-month set of electricity and gas consumption data from the current energy supplier and reconciling any estimated meter readings.
- Reviewing whether separate sub-metering or a reasonable allocation method can distinguish Purely Orthodontics consumption from other activity at Bridge House.
- Requesting waste weights or tonnage information from waste contractors and maintaining a simple annual waste log.
- Completing an annual staff commuting survey covering travel mode, exact return distance, vehicle/fuel type and normal attendance pattern, to replace this year's estimated blended figure with measured data.
- Recording material supplier deliveries and, where available, freight or courier data for upstream transportation emissions.
- Reviewing air-conditioning maintenance records for refrigerant type, charge and any leakage/replacement so that fugitive emissions can be quantified where relevant.

9. Declaration, approval and publication

This Carbon Reduction Plan has been prepared for the bidding entity Mr H.S. Kehlar and Mr S. Kumar t/a Purely Orthodontics. The environmental management measures described above are measures that can be applied during performance of the NHS orthodontic contract.

This plan will be reviewed at least annually and updated to reflect improved data quality, organisational changes and progress against carbon reduction measures.

Equivalent management body approval	Approved by the partners of Mr H.S. Kehlar and Mr S. Kumar t/a Purely Orthodontics
Date of approval	15 August 2026
Signed off by	Mr H.S. Kehlar and Mr S. Kumar – Partners
Sign-off date	15 August 2026
Publication	Published and clearly signposted on www.purelyorthodontics.co.uk

10. References

Cabinet Office: PPN 006: Taking account of Carbon Reduction Plans in the procurement of major government contracts

<https://www.gov.uk/government/publications/ppn-006-taking-account-of-carbon-reduction-plans-in-the-procurement-of-major-government-contracts>

Cabinet Office: PPN 006: Technical standard for Completion of Carbon Reduction Plans

<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>

NHS England: Carbon reduction plan and net zero commitment requirements for the procurement of NHS goods, services and works

<https://www.england.nhs.uk/long-read/carbon-reduction-plan-requirements-for-the-procurement-of-nhs-goods-services-and-works/>

Department for Energy Security and Net Zero: Greenhouse gas reporting: conversion factors 2026

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2026>