Boxmoor Construction Ltd

Carbon Reduction Plan

1. Baseline Emissions (2024)

Scope	Description	Emissions ($kgCO_2e$)
Scope 1	Fleet – 5 vans + 1 Land Rover	29,666
Scope 2	Electricity use	602
Total		30,268

2. Targets

• 50% reduction by 2030 (aligned with UK SME Net Zero guidance).

• Net Zero by 2040.

3. Actions & Milestones

- a) Fleet Transition (Scope 1 – Main Source)
    - 2025–2027: Replace 2 vans with electric equivalents (~9.9 tCO_2e saving).
    - 2028–2030: Replace remaining 3 vans + 1 Land Rover (~19.8 tCO_2e saving).
    - By 2030: Scope 1 emissions reduced by ~100%.
- b) Electricity Use (Scope 2)
    - 2025–2026: Switch to renewable electricity tariff (90–100% reduction).
    - 2026 onwards: Implement efficiency measures (LEDs, timers, smart controls).
    - Longer term: Explore solar PV where feasible.
- c) Additional Measures (Beyond Scopes 1 & 2)
    - Materials & Waste: Maximise reuse/recycling (e.g. crushed brick/concrete reuse).
    - Procurement: FSC timber, recycled content, low-carbon suppliers.
    - Travel: Encourage EV staff cars, car-sharing, and video meetings.
    - Monitoring: Annual carbon footprint reporting.

4. Projected Emissions Pathway

Year	Projected Emissions (tCO_2e)

2024 (Baseline)	30.3
2026 (2 EV vans + renewables)	19.8
2030 (All EV fleet + renewables)	0.6
2034 (Grid decarb + offsets)	<0.3

5. Governance & Reporting

• Annual reporting aligned with PPN 06/21 requirements.

• Assign a Carbon Champion to track delivery.

• Public reporting in tender submissions and sustainability statements.