



CARBON REDUCTION PLAN

Knights Brown Construction Ltd

September 2023

COMMITMENT TO ACHIEVING NET ZERO

Knights Brown is committed to achieving net zero emissions by 2050.

BASELINE EMISSIONS FOOTPRINT

Baseline year:

2020

Additional details relating to the baseline emissions calculations:

There was no report prior to 2020. Our first disclosure was made following the implementation of the Government's Streamlined Energy and Carbon Reporting (SECR) requirements, effective from 1 April 2019.

As a "large unquoted company", our SECR disclosure is made in accordance with HM Government Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance (March 2019). It does not legally require us to report Scope 3 emissions, however, we have been voluntarily reporting a small subset of these covering the private use of vehicles.

PPN 06/21 introduced additional requirements to report five Scope 3 categories in a carbon reduction plan for organisations wishing to bid for government contracts valued at more than £5m p/a. Our approach for each of these categories is as follows:

| Scope 3 category | Current position | Aspiration |
|---|--|---|
| 4. Upstream transportation and distribution | Only transportation of waste is available. | Emissions for waste transportation to be included in 2024 SECR disclosure. Reporting requirement for additional categories to be scoped. |
| 5. Waste generated in operations | Substantial records available. | Reporting requirement is mandatory in SmartWaste. Emissions to be included in 2024 SECR disclosure. |
| 6. Business travel | Comprehensive records available. Data to be collated. | Emissions to be included in 2024 SECR disclosure. |
| 7. Employee commuting | Comprehensive records collated. Benchmark established. | Emissions to be included in 2024 SECR disclosure. |
| 9. Downstream transportation and distribution | Our services are not transported or distributed. | N/A |



BASELINE YEAR EMISSIONS

Reporting year: 2020

| Emissions | Total (tCO ₂ e) |
|--|----------------------------|
| Scope 1 | 3,205.3 |
| Scope 2 | 42.7 |
| Scope 3 | 128.9 |
| <small>(Private use vehicles only)</small> | |
| Total emissions | 3,376.9 |

CURRENT EMISSIONS REPORTING

Reporting year: 2023

| Emissions | Total (tCO ₂ e) |
|--|----------------------------|
| Scope 1 | 1,743.4 |
| Scope 2 | 41.4 |
| Scope 3 | 108.6 |
| <small>(Private use vehicles only)</small> | |
| Total emissions | 1,893.4 |

EMISSIONS REDUCTIONS TARGETS

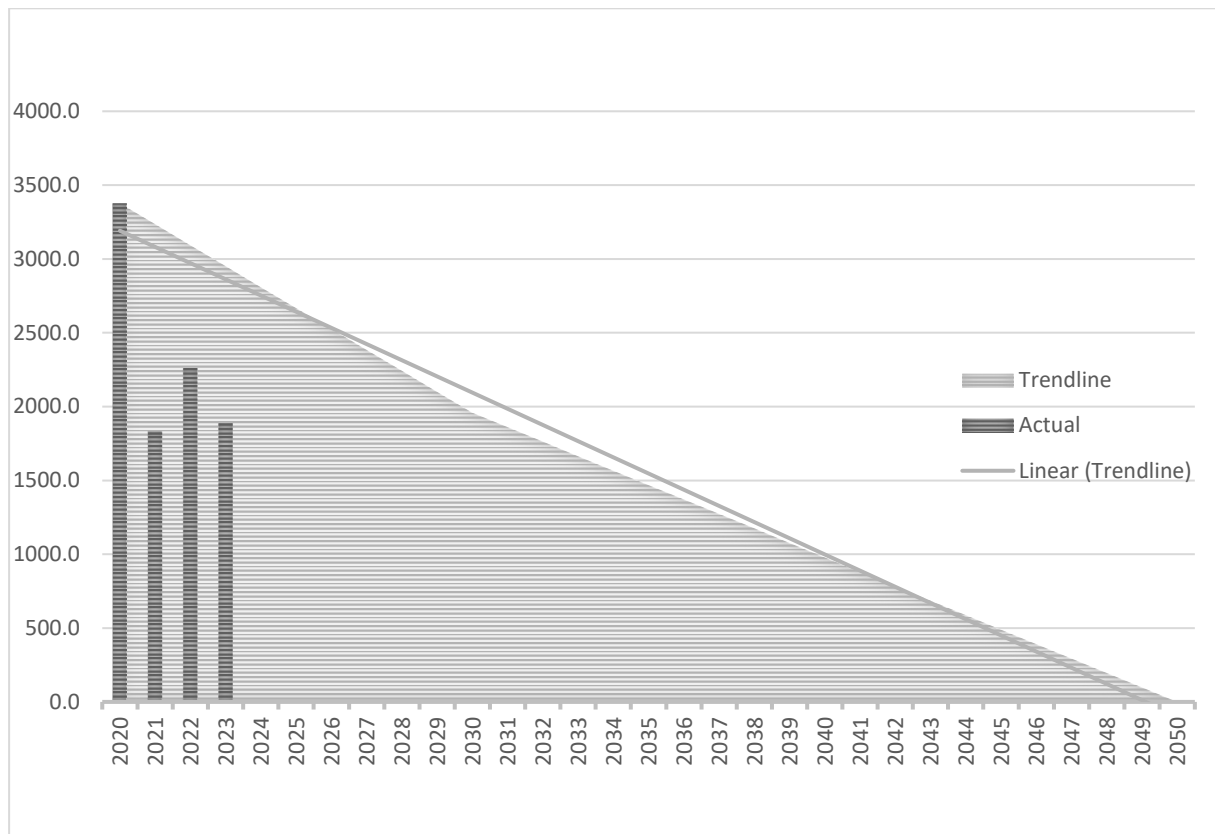
To continue our progress to achieving net zero, we have adopted the following carbon reduction near term target.

Knights Brown is committed to reduce absolute Scope 1 and Scope 2 GHG emissions by 42% by 2030 from a 2020 base year, and to measure and reduce Scope 3 emissions.

We project carbon emissions will continue to decrease over the next seven years to 1,958.60 tCO₂e by 2030. This is a 42% reduction.

Progress against this target can be seen in the graph below:

CARBON REDUCTION: PROJECTED V ACTUAL



CARBON REDUCTION PROJECTS

Completed carbon reduction initiatives

The following environmental management measures and projects have been completed or implemented since the 2020 baseline. The carbon emission reduction achieved by these schemes equates to 1,483.56 tCO₂e, a 44% reduction against the 2020 baseline and the measures will be in effect when performing the contract.

- Goal 13 corporate strategy, setting out our ambitions in taking climate action and supporting leadership team role accountability.
- Science-based near term (2030) reduction target set with SBTi.
- Project fuel targeted through anti-idling campaign, including efficiency training for skilled machine operators, gangers and groundworkers.
- Moving away from diesel generators, prioritising mains connections or otherwise adopting solar powered/hybrid generators.
- Using more electric small tools as first choice.
- Maintaining dumpers and excavators to a high standard, minimising NO_x and PM emissions, replacing older machines with new, compliant with Tier 5 emissions standards.
- Site accommodation increasingly incorporating energy-efficient technologies.
- Renewable and low carbon power (electric, hybrid, solar, etc) becoming embedded as accepted standard for generators, tower lights, etc.
- Increased EV choices across grades, reducing reliance on diesel to fuel company car fleet and prioritising sustainable travel through green travel policy. Charging points at two fixed offices.

In the future, further measures we expect to implement include:

- Increased collaboration with customers and supply chain partners in redesigning assets to achieve lower embodied carbon results.
- Increased use of recycled materials and materials with lower carbon intensity.
- Alternative working methods that avoid carbon intensive activities.
- Zero waste sites.
- On site charging capability for EVs.
- Introduction and roll out of machines and vehicles using alternative sources of energy.
- Emissions for Scope 3 material impacts measured and fully disclosed.
- Long term (2050) net zero target set with SBTi.
- Internal cost for residual emissions quantified and mitigation fund established.
- Dispersal of fund via high quality, effective interventions prioritising carbon removal and nature based offsets.

DECLARATION & 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 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 as far as possible, in accordance with the published reporting standards for carbon reduction plans and the corporate value chain (Scope 3) standard.

This carbon reduction plan has been reviewed and signed off by the board of directors.

Kevin Valentine | Managing Director | Knights Brown Construction Ltd | September 2023