



Carbon Reduction Plan

Crown Worldwide UK&I

Commitment to achieving Net Zero

Crown Worldwide UK&I is committed to achieving Net Zero Scope 1 and 2 emissions by 2040 at the latest.

During 2022, we have been working to understand our Scope 3 emissions – other indirect emissions – better, and progress towards being able to set a net zero target for these emissions. We have made concrete progress in quantifying our Scope 3 emissions in 2022 and can so far report on four categories. We do not yet have robust reduction plans in place for Scope 3 as this is our first year reporting these emissions, but as a minimum, we commit to reach net zero for our entire Scope 3 footprint by 2050 and will seek to bring this date forwards.

This Carbon Reduction Plan applies to all Crown Worldwide Ltd brands in the UK&I region, including Crown World Mobility, Crown Relocations, Crown Records Management, Crown Fine Art and Crown Workspace.

This plan forms part of our wider three-pillar Responsible Business Strategy. More detail on this strategy can be found in our annual sustainability report. To find our 2022 report, go [here](#).



GOVERNANCE



STRATEGY



TRANSPARENCY



COMMUNICATION

Baseline emissions footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Additional details relating to the Baseline Emissions calculations

There have been no significant operational changes or restructuring since our baseline year of 2019, and emissions can therefore be compared on a 'like-for-like' basis. However, please note our Scope 1 figures vary slightly differently from our previous plan as we improved the quality of our data.

Baseline Year: 2019	
Emissions	Total (tCO ₂ e)
Scope 1	1,096
Scope 2	1,006
Scope 3 <i>included sources</i>	<p>3,253</p> <p><i>This figure is based on the 4 categories that have so far been calculated below:</i></p> <ul style="list-style-type: none"> <i>Cat 3 – Fuel-and-energy-related activities: 66*</i> <i>Cat 4 – Upstream transportation and distribution: 2,795</i> <i>Cat 6 – Business travel: 251</i> <i>Cat 7 – Employee commuting: 141**</i> <p><i>Please note that we continue to quantify our Scope 3 emissions and have included the 4 categories where we have a high degree of confidence based on real company data rather than from the spend-based approach.</i></p> <p><i>* this is from the loss of energy due to transmission of electricity</i></p> <p><i>** this figure has not yet been fully baselined and thus proxy data or 2022 has been used</i></p>
Total emissions	2,102 <i>Scope 1 and 2 only</i>
	5,355 <i>estimated Scope 1, 2 and 3 based on categories calculated to date</i>

Current emissions reporting

Reporting Year: 2022	
Emissions	Total (tCO ₂ e)
Scope 1	954
Scope 2	343 (market based)
Scope 3 <i>included sources</i>	2,244 <i>This figure is based on the 4 categories that have so far been calculated below:</i> <i>Cat 3 – Fuel-and-energy-related activities: 60</i> <i>Cat 4 – Upstream transportation and distribution: 1,955</i> <i>Cat 6 – Business travel: 88</i> <i>Cat 7 – Employee commuting: 141</i>
Total emissions	1,297 <i>Scope 1 and 2 only</i> 3,541 <i>estimated Scope 1, 2 and 3 based on categories calculated to date</i>

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

45% by 2025

We project that by 2025, our Scope 1 and 2 emissions will decrease to 1,156 tCO₂e.

65% by 2030

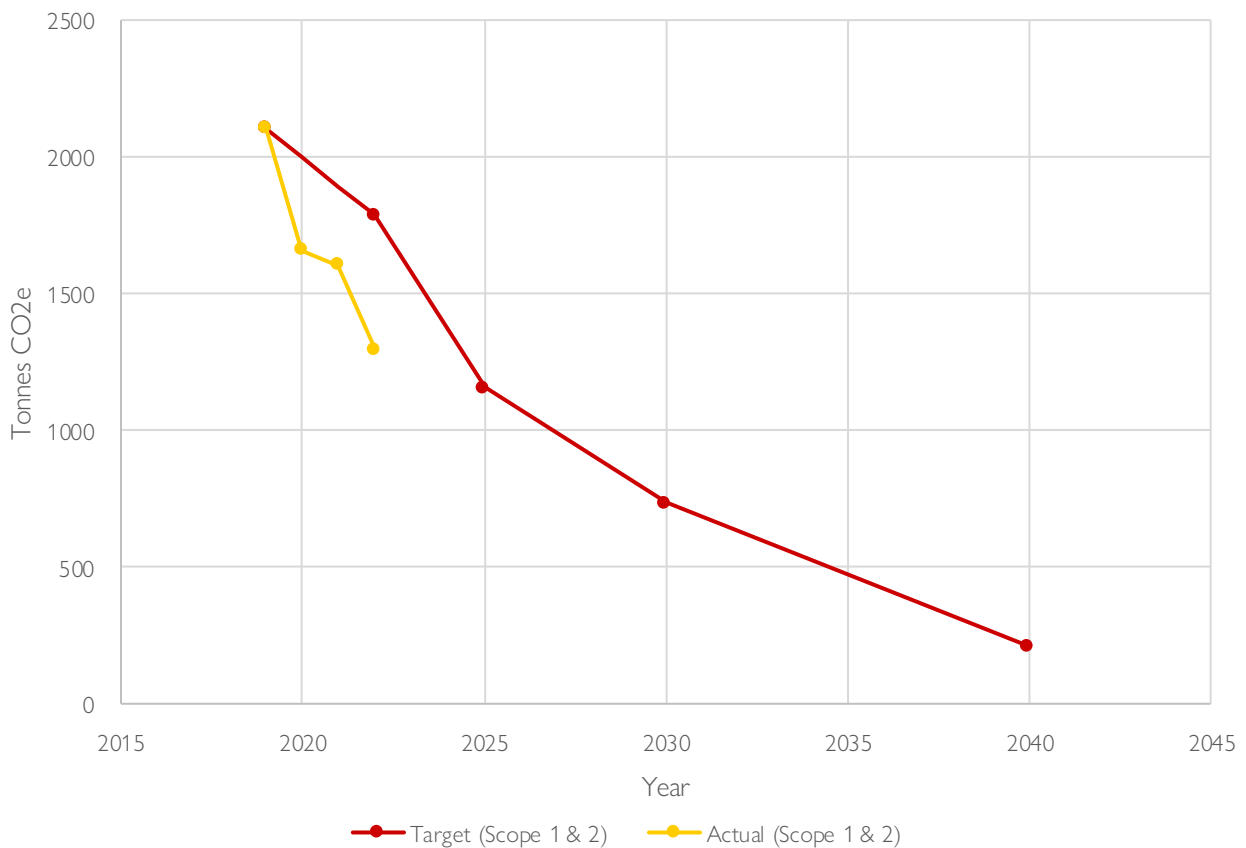
We project that by 2030, our Scope 1 and 2 emissions will decrease to 736 tCO₂e.

Net zero by 2040

We project that by 2040, we will have reduced our emissions by at least 90%, using certified carbon removals for the residual 10% emissions.

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

Scope 1 & 2 Carbon Reduction: Projected vs Actual



Carbon reduction projects

We have made significant progress in reducing our Scope 1 and 2 emissions in line with our net zero target through a number of carbon reduction projects. The reductions achieved equate to 805 tCO₂e, a **38% reduction** against the 2019 baseline.

We have made particular progress against our Scope 2 emissions, through transitioning to renewable electricity and working to reduce our electricity consumption. Through our energy consumption initiatives alone, we have been able to reduce our actual usage of grid electricity by 27%, equating to just over 1 million kWh since 2019.

In relation to our Scope 1 emissions, we recognise that a portion of our transport is carried out by service partners. Therefore, our work on calculating our Scope 3 'upstream transportation & distribution' emissions provides a fuller picture of this.

The following environmental management measures and projects have been completed or implemented since the 2019 baseline and have contributed to reductions made.

RENEWABLE ELECTRICITY

Crown has made a strategic commitment to transition all sites to a good quality 100% REGO-backed renewable electricity contract.

In total, Crown has transitioned 16 out of 18 sites to renewable electricity contracts. Of these 16, 6 transitions came into effect in 2022 and a further 5 have been transitioned between January and March 2023. The remaining sites were transitioned prior to 2022. The 2 sites that have not been transitioned are leased properties whereby the energy contract is controlled by the landlord. However, we are in the process of negotiating with the landlords of these sites to transition their energy providers to renewable tariffs.

In 2022, renewable electricity accounted 40% of our total electricity consumption. For comparison, renewable electricity accounted for only 7% total electricity consumption in 2021, 2% in 2020 and 2% in 2019.

SOLAR PANELS

In total, 4 out of 18 sites have solar panels installed, which includes the only 3 sites that are owned by Crown rather than leased. Our Leeds site solar panels were installed in August 2022, Fareham in 2019, Peterborough in 2014 and Ruislip in 2012. Apart from Fareham, where the Landlord installed these themselves, these have been installed by Crown. In 2023/24, we are looking to install additional solar panels in Ruislip so that electricity used at this site is almost fully self-generated.

ENERGY EFFICIENCY

Alongside transitioning to renewable electricity, reducing actual consumption has been a priority. Through our property efficiency strategy, we have saved approximately 1 million kWh (around a 26% reduction in grid electricity usage based on 2019 usage) as of January 2023. Our focus has been to increase the efficiency of our buildings through investment in technology and manual intervention.

Improvements to lighting has been key to this approach. All 18 sites now have external LEDs on day-night sensors, and 4 sites have been fully transitioned to internal LEDs. In terms of internal lighting, any replacement lighting being LEDs for any building is now standard policy in line with the ban for fluorescent lighting from September 2023. Our current plan is that we will replace any non-LED lighting in freeholds that we have in 2023. Investment criteria for leased properties is largely dependent on the length of the lease but over time lighting will be replaced with LEDs as units fail.

In 2021, we identified three sites in particular with disproportionately high consumption and these have been targeted with investment as a priority in our property strategy:

- Site 1 had an annual Scope 2 CO₂e footprint of around 85 tonnes at around 30,000 sq. ft. in size. We replaced all lights with LEDs, introducing sensors and made all lights individually controlled. Turning off lights was integrated into warehouse processes and we delivered training on this impact. Overall, we have reduced the energy consumption of this site by 76% - equating to around 65 tonnes of CO₂e.
- Site 2 will be a similar project carried out in 2023. This will involve replacing the AC system with a 40% more efficient system; all internal lighting will be replaced with LEDs (the external lights are already LEDs).
- We made the decision in mid-2022 to decommission Site 3 and consolidate storage at other nearby sites. This site had an average annual electricity use of 365,314 kWh since 2019, and a CO₂e footprint of 85 tonnes per year – once closed this part of our carbon footprint will be reduced to zero.

ELECTRIC VEHICLES

With a fleet of 84 vehicles, we recognise that our fleet presents us with one of our biggest carbon reduction challenges. To address this, we have been focusing on where we can make improvements based on the current UK infrastructure and technological development for electric vehicles.

We first ordered 6 electric vehicles in 2021 for Crown Workspace—which has the largest fleet—in an effort to reduce our Scope 1 emissions. We are still awaiting 3 of these vehicles (expected summer 2023), but 3 have been in operational use since July 2022 with our Crown Workspace brand.

In addition, Crown Fine Art are expecting delivery of a fully electric climate-controlled van for a trial in 2023, and in 2022 began early conversations with a leading manufacturer of large hydrogen and electric powered vehicles, which when available will result in the delivery of an 18-tonne vehicle.

CARBON NEUTRALITY

As the decarbonisation of our fleet is challenged by current infrastructure and technological developments, we have developed a ‘carbon neutral’ service for our Crown Workspace division to sit alongside our carbon reduction efforts. We have decided to offset the operational carbon emissions associated with our moves and changes services, and have self-certified our carbon neutrality to the standard of PAS2060. We initially used data for the year 2021 to predict our emissions for 2022 and bought 1,000 carbon credits through Gold Standard Climate+ Portfolio based on these calculations. This figure exceeds our known transport and packaging impacts. We have recently calculated our actual emissions for 2022, which were less than originally predicted. The carbon footprint of our fleet and packaging footprint in 2022 (for Crown Workspace) was 473 tonnes CO₂e, made up as follows:

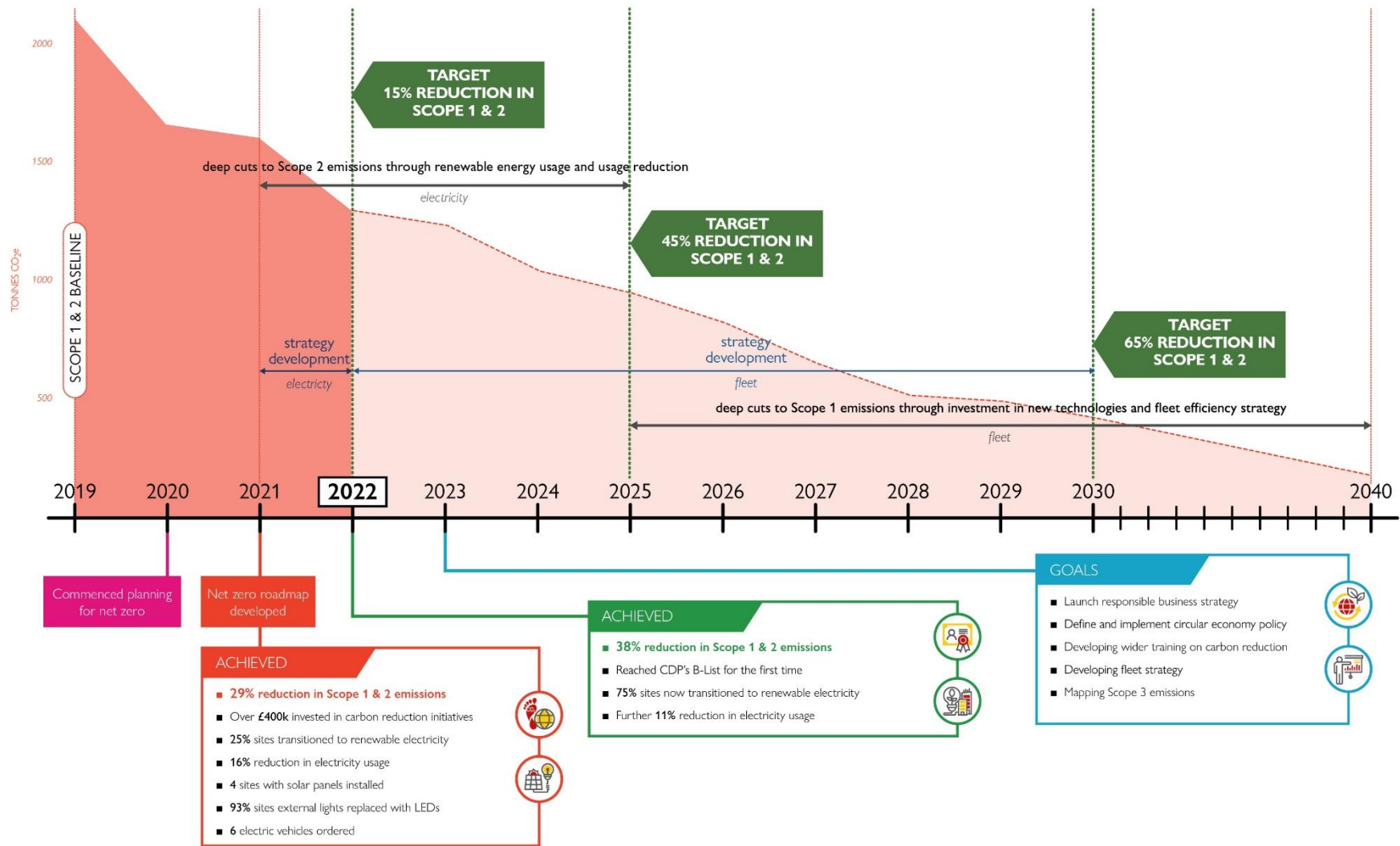
- Scope 1 fleet emissions were 345 tonnes CO₂e
- Scope 3 service partners fleet emissions were 113 tonnes CO₂e
- Scope 3 cardboard packaging emissions were 14.7 tonnes CO₂e

We will review this data on an annual basis and re-evaluate the gap between purchased offsets and actual emissions, in order to ensure we have purchased the required amount.

FUTURE INITIATIVES

Scope 1 & 2	Scope 3
<ul style="list-style-type: none"> - Define and implement a circular economy policy across our UK&I brands - Develop wider training on carbon reduction - Develop a fleet strategy to tackle our Scope 1 emissions - Our largest owned buildings will be fitted with LEDs by end of 2023, while negotiations with landlords will bring remaining two sites under renewable tariffs, moving to renewable gas when available 	<ul style="list-style-type: none"> - In 2022, we were focused on understanding emissions from our value chain and those related to staff homeworking, commuting and business travel. - In 2023, we began to report on Scope 3 emissions in 4 key areas so far (see pages 3 and 4): <ul style="list-style-type: none"> o Fuel-and-energy-related activities o Upstream transportation and distribution o Business travel o Employee commuting & homeworking <p>As this is our first year reporting Scope 3, we do not yet have robust reduction plans in place but this will be our focus over the next two years.</p>

Summary of our progress



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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.²

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

Signed on behalf of the Supplier:



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Stephen Hardie
Managing Director
Crown Worldwide UK&I

Date: 24 August 2023

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>