

# **Carbon Reduction Plan**

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# Carbon Reduction Plan Summary

## Commitment to achieving Net Zero

**Bowmer + Kirkland is committed to reducing Scope 1 & 2 emissions by 50% at 2030 and to achieving Net Zero for Scope 1 & 2 emissions by 2040. Scope 3 emissions will be reduced by 50% at 2030 with a further reduction to 100% in Scope 3 emissions by 2040.**

Bowmer + Kirkland acknowledge that climate change is one of the most critical problems facing the world today. Through commitment to a net zero target as part of our sustainability strategy, we are marking an important step on our climate action journey. To help and support us on this journey we are working with sustainability consultants, Planet Mark, adopting their "Zeroby40" programme that will fast-track the creation of a bespoke carbon roadmap to take us to net zero.

This Carbon Reduction Plan will build on the success that B+K has already achieved in reducing its carbon emissions at our headquarters and regional offices. Since 2006 B+K have reported annually on the CO<sub>2</sub> emissions in respect to parts of our business operations, adopting an annual reduction target of 5% for our carbon footprint, audited and certified by Planet Mark.

# Carbon Reduction Plan Summary (cont)

## 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.

<b>Baseline year emissions: 2020-2021</b>	
<b>Additional details relating to the Baseline Emissions calculations:</b>	
For our baseline year, 2020-2021 we have extended the categories on which we will report our carbon emissions. This includes the carbon emissions in our operations at our construction sites and a range of additional Scope 3 emissions including employee commuting, upstream and downstream transportation, water and waste generated in our operations, in accordance with best industry practice and the provisions of Government's Procurement Policy Notice (PPN) 06/21.	
To provide a baseline year as a reference point against which future emissions reductions can be measured, we have adopted the period 1st September 2020 to 31st August 2021; being less than 12 months from the commencement of our Carbon Reduction Plan. This period also reflects the same annual periods used in our previous carbon footprints to aid analysis of carbon savings against our historical data. Our baseline emissions footprint includes Scope 1 and Scope 2 emissions as identified through the Greenhouse Gas Protocol along with a subset of Scope 3 emissions. The Baseline Emissions Footprint will provide the reference point against which future assessments and emissions reductions will be measured.	
<b>Baseline year emissions:</b>	
EMISSIONS	TOTAL (tCO <sub>2</sub> e)
Scope 1	6,180.5 tCO <sub>2</sub> e
Scope 2	1,618.6 tCO <sub>2</sub> e
Scope 3 (includes Sources)	9,723.9 tCO <sub>2</sub> e (Scope 3 categories include – 4: Upstream, 5: Waste, 6: Business Travel, 7: Employee Commuting, 9: Downstream Emissions)
<b>Total Emissions</b>	<b>17,522.9 tCO<sub>2</sub>e</b>

# Carbon Reduction Plan Summary (cont)

## Current Emissions Reporting

As our baseline year for our Carbon Reduction Plan ended on 31st August 2022, the baseline year is still current until issue of our next carbon footprint report from Planet Mark expected late 2023. The summary of the Scope 1, 2 and 3 emissions for 2021-2022 are therefore included in the table below:

Reporting year 2021-2022:	
EMISSIONS	TOTAL (tCO2e)
Scope 1	7,755.3 tCO2e
Scope 2	1,038.8 tCO2e
Scope 3 (includes Sources)	1,718.5 tCO2e (Scope 3 categories include – 4: Upstream, 5: Waste, 6: Business Travel, 7: Employee Commuting, 9: Downstream Emissions)
Total Emissions	10,513.5 tCO2e

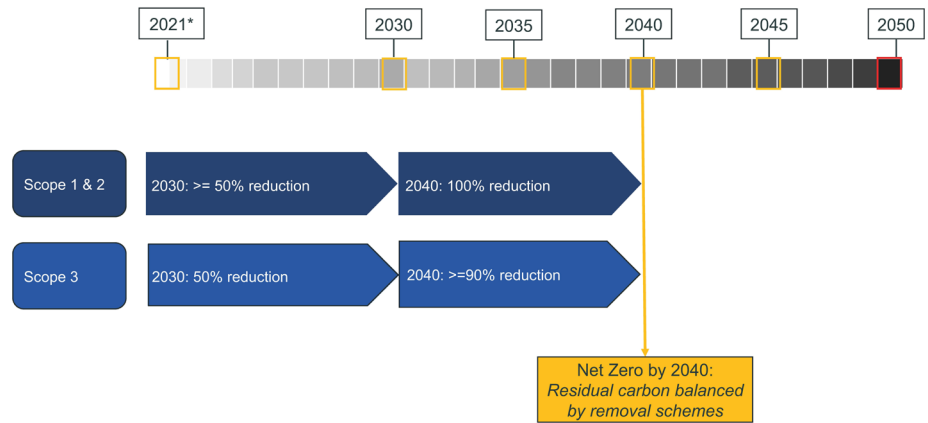
## Emissions reduction targets

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

We project that carbon emissions will decrease over the next five years by **4,611.3** tCO2e by 2026. This is a reduction of **25%**.

# Carbon Reduction Plan Summary (cont)

## Bowmer + Kirkland: Net Zero Carbon Targets



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\*Baseline TBC once 2021 data collected, to assess Covid-19 impact

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## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives:

Bowmer + Kirkland have measured their carbon footprint at their headquarters and regional offices since 2006-2007, setting an annual target for the reduction of carbon of 5%. Overall reduction of carbon over the thirteen years since the first carbon footprint report by Planet Mark has been >60%, with even greater reductions per employee. Some of the main actions taken to achieve these reductions were:

- The installation of ground mounted solar panels providing renewable electricity,
- Replacing high energy use A/C units with high efficiency A/C units and heat exchangers.
- Remote BMS monitoring and temperature controls,
- Installation of gas boilers to high efficiency boilers and new TVRs on all radiators,
- Reducing the CO2 emissions of our fleet and reducing car mileage by encouraging greater use of public transport.
- Reduce waste through increasing recycling,
- Greater use of digital communication systems.

# Carbon Reduction Plan Summary (cont)

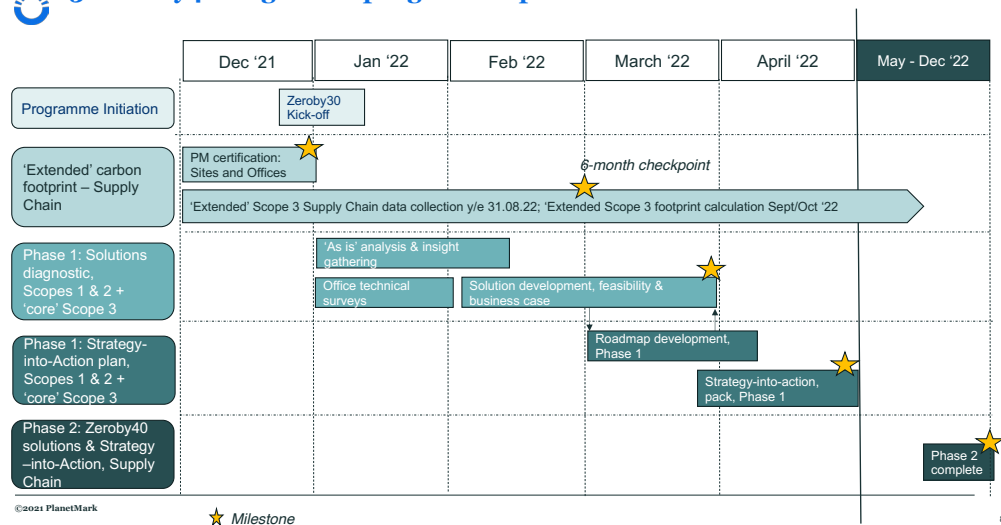
During the baseline year 2020-2021 a number of initiatives were undertaken to help reduce our carbon emissions, these included:

- Increased usage of electrical and hybrid vehicles by our employees,
- Provision of electrical charging points at our Headquarters offices,
- Continuation of our LED replacement lighting programme,
- Increasing the number of ECO cabins on our construction sites.

## Planned Carbon Reduction Measures for the current year and onwards:

Working with Planet Mark we will develop a programme of surveys, analyse and solutions to produce a road map that will provide a more detailed strategy for Bowmer + Kirkland to meet its' net zero carbon targets. An outline of the programme is noted below:

### 3. Zeroby40: high level programme plan



# Carbon Reduction Plan Summary (cont)

## 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 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 in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by Matthew Cruttenden, Director responsible for sustainability, on behalf of the Board of Directors.

Signed:



Date:  
31st January 2023