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Carbon Reduction Plan

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Document Configuration Management

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Document Approval

	Author	Reviewed	Approved
Signature	<i>E Wood</i>	<i>P Burke</i>	<i>N Clements Hill</i>
Name	E Wood	P Burke	N Clements-Hill
Date	06 Jan 2024	06 Jan 2024	06 Jan 2024
Position	Carbon Reduction Champion	Project Manager	Managing Director

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Commitment to achieving Net Zero

1. BlackTree Technologies Limited is committed to achieving Net Zero Emissions by 2050.

Baseline Emissions Footprint

2. 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.

Baseline Year: 2022	
Additional Details relating to the Baseline Emissions calculations.	
<p>Baseline Emissions (and Current Emissions) have been calculated by taking the total emissions of BlackTree Technologies Ltd for scopes 1, 2 and 3.</p> <p>BlackTree Technologies Limited have always been committed to having a low carbon footprint. To ensure that we reduce our carbon footprint to zero by 2050, we have developed the following plan.</p> <p>The required scope 3 emissions categories have been calculated as follows:</p> <ol style="list-style-type: none">1. Business Travel – emissions are based upon the type of travel, the distance travelled and the relevant conversion factors.2. Employee Commuting – emissions have been calculated using the number of employees and applying related UK Government conversion factors for CO₂e.3. Waste – emissions have been calculated using the quantities of waste produced and recycled and applying related UK Government conversion factors for CO₂e.4. Upstream and downstream transportation and distribution – emissions have been calculated using a Distance-based method as outlined in the GHG Protocol.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	7.58
Scope 2	2.31
Scope 3 (Included Sources)	65.24
Total Emissions	75.13

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	7.2
Scope 2	2.4
Scope 3 (Included Sources)	61.7
Total Emissions	71.3

Emissions Reduction Targets

3. Emissions were baselined in 2022 following BlackTree Technologies' first carbon footprint assessment. *Table A* (below) will be updated annually by the Carbon Reduction Champion.

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

Table A:

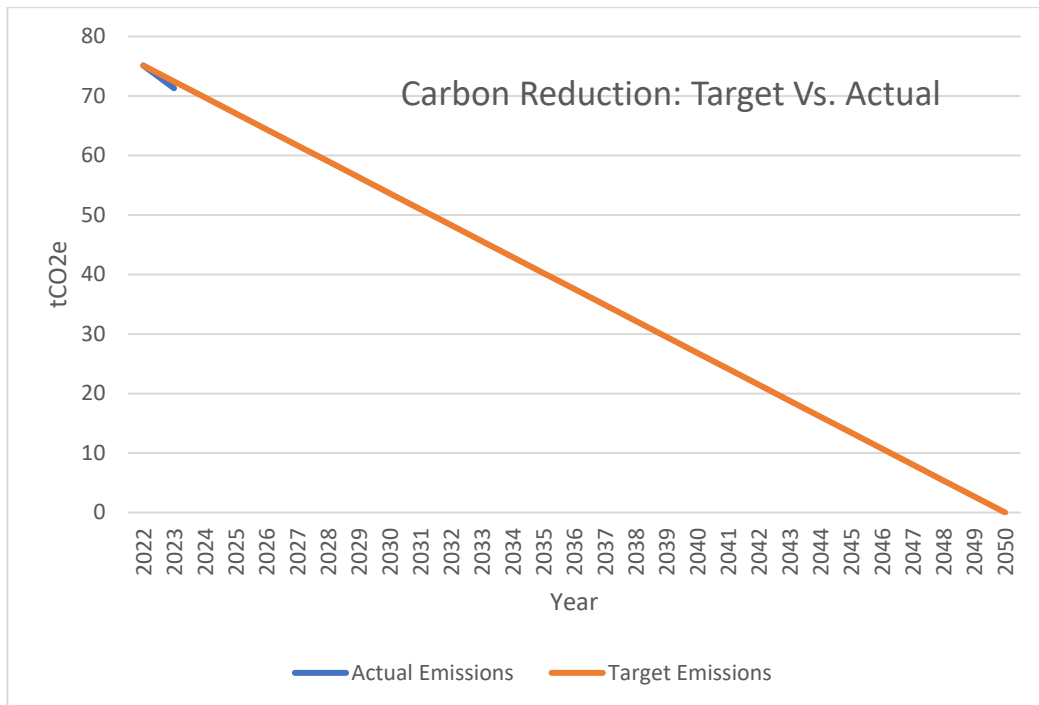
Year	Actual Emissions (tCO ₂ e)	Target Emissions (tCO ₂ e)
2022	75.13	75.13
2023	71.30	72.45
2024		69.76
2025		67.08
2026		64.40
2027		61.71
2028		59.03
2029		56.35
2030		53.66
2031		50.98
2032		48.30
2033		45.61
2034		42.93
2035		40.25
2036		37.57
2037		34.88

2038		32.20
2039		29.52
2040		26.83
2041		24.15
2042		21.47
2043		18.78
2044		16.10
2045		13.42
2046		10.73
2047		8.05
2048		5.37
2049		2.68
2050		0

Annual Target Reduction: 3.57%

5. We project that by 2027 Carbon emissions will decrease by 17.86% to 61.71 tCO₂e, a reduction of 13.42 tCO₂e in five years.

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



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

7. Following BlackTree Technologies' initial carbon footprint assessment in 2022, we have highlighted that there are specific areas within the organisation that can be adjusted to achieve the yearly, five yearly and final targets.

8. The following activities have been implemented in the first year of the carbon reduction plan, and continue to be impact assessed on annual review:

- Carbon Reduction Champion briefed all team members quarterly on small work routine adaptations that can impact carbon reduction figures. For example, paperless working.
- A full assessment of company light fittings was undertaken, where appropriate, all bulbs were replaced with energy efficient LED bulbs.
- A reduction in physical attendance of meetings by utilising technology where appropriate, e.g. video calling/ virtual conferencing.

9. We will update the following statement annually:

'The above environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equate to 3.83 tCO₂e, a 5.1 % reduction against the 2022 baseline and the measures will be in effect when performing the contract'

10. In future we hope to implement further measures, such as:

- On replacement of company fleet vehicles, the carbon emissions will be considered in purchase and where possible are to be replaced with Ultra-Low Emission or Electric Vehicles
- To reduce carbon emissions produced by staff commuting, BlackTree will investigate the installation of Electric Vehicle charging points
- Ensuring that when electricity renewals are due, BlackTree will consider switching to a renewable energy source electricity provider

Declaration and Sign Off

11. This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

12. 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.

13. 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.

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

Signed on behalf of BlackTree Technologies Ltd:

NClements Hill

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Date: 06 January 2024