

CARBON REDUCATION PLAN NET ZERO

I. Executive Summary

Keir recognises the pressing challenge of climate change and is fully committed to a comprehensive plan to achieve Net Zero Carbon Emissions by 2050. Our strategy is centered on smarter energy use and heightened energy efficiency to mitigate carbon emissions effectively.

II. Introduction

Background

Taking responsibility for our environment, we pledge to establish clear, time-bound targets for reducing carbon emissions, ultimately attaining net zero by 2050..

Objectives

Our primary aim is collective action toward Carbon Net Zero by 2050, including intermediate milestones of a 25% reduction by 2025, 50% by 2030, and 75% by 2040, culminating in 100% net zero emissions by 2050.

Scope

This plan encompasses the comprehensive accounting of Scope 1, Scope 2, and Scope 3 emissions originating from energy consumption, waste generation, and transportation.

III. Baseline and Targets

Baseline Emissions (2022)

Total Scope 1 Emissions: 15 tCO₂e

Total Scope 2 Emissions: 30 tCO₂e

Total Scope 3 Emissions: 30 tCO₂e

Total Baseline Year Emissions: 75 tCO₂e

Emissions Targets

Short-term target: Achieve a 25% reduction (18.75 tCO₂e) by 2025 Medium-term target:

Attain a 50% reduction (37.5 tCO₂e) by 2030 Long-term target: Realize a 75% reduction

(56.25 tCO₂e) by 2040 Ultimate target: Reach net zero emissions by 2050

IV. Reduction Strategies

In our pursuit of Net Zero, we have implemented an array of carbon reduction initiatives:

- Promoting staff carpooling to reduce car journeys Encouraging remote work to minimize commuting

- Advocating green commuting methods like walking, biking, or public transport Adoption of recyclable bin bags
- Commitment to environmental considerations, including furniture reuse and recycling
- Transitioning from desktops to laptops where feasible
- Implementing energy-saving measures such as turning off lights, monitors, and computers
- Procurement of energy-efficient hardware Optimization of monitor brightness
- Activation of power-saving settings on computers
- Setting printers to automatically power down when not in use
- Nightly shutdown of communal equipment and weekend power-off of all electrical equipment
- Prioritising the use of recycling papers and toners for printing Embracing digital communications to reduce paper waste Installation of energy-efficient LED lighting in classrooms Exploration of solar panel installation to meet electricity needs Launching an annual tree planting initiative to offset emissions Reduction of overall waste production
- Investigation of green energy sources like solar panels
- Exploration of various recycling methods to minimize waste disposal emissions

V. Monitoring and Reporting

Monitoring

Our regular monitoring of energy consumption, waste generation, and transportation emissions enables us to track our progress toward our set targets. Progress is discussed during monthly senior management meetings and with stakeholders.

Reporting (2023)

- Total Scope 1 Emissions: Reduced to 13 tCO₂e (13.33% reduction)
- Total Scope 2 Emissions: Reduced to 25 tCO₂e (16.67% reduction) Total Scope 3 Emissions: Reduced to 27 tCO₂e (10% reduction)
- Total Reporting Year Emissions: Reduced to 65 tCO₂e (13.33% overall reduction)

These results are shared annually with stakeholders, informing necessary adjustments to our strategies.

VII. Future

Keir is unwavering in its commitment to a greener and more sustainable future. Achieving global net zero emissions by 2050 is an ambitious but attainable goal through collective effort. We believe that by integrating sustainability into our decision-making and operational processes, our Carbon Emissions Reduction Plan will not only meet reduction targets but also yield substantial financial savings, enhance overall operations, and make a positive impact on the environment, paving the way for a sustainable, low-carbon future.



VI. Review and Improvement

This plan will undergo annual reviews to ensure its effectiveness.

Last Review: November 2023

Next Review: November 2024