

Carbon Reduction Plan

July 2025 Update

Commitment to achieving Net Zero

Climate change is considered to be the greatest threat facing humanity. The 2015 Paris Agreement outlined the need for urgent reductions to global carbon emissions to keep the average temperature rise to 1.5 degrees Celsius or lower.

LTE Group commitments.

- **To achieve zero direct carbon emissions by 2038** (direct emissions otherwise known as “scope 1 and 2” are those which come from the production and use of energy across the LTE Group)
- **To review the LTE Group’s activities within the 15 categories in scope 3 – and take action, where feasible, in support of the UK’s commitment to be net zero by 2050** (scope 3 emissions are emitted as an indirect result of our activities such as the goods we purchase, or staff and student travel)

Since the baseline of 2018 we have reduced our **scope 1 and 2** carbon footprint by 1,764 tCO₂e to 1,513 tCO₂e (c.54%). **Target to achieve 1,469 tCO₂e by the end of 2025.**

On track to meet the scope 1 and 2 commitments in 2025, the scope 3 plan to be further developed during 2025.

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.

Baseline Year: Jan-Dec 2018	
Additional Details relating to the Baseline Emissions calculations.	
2018 is the reporting baseline for Baseline Emissions based on a steady point in Business Activity, prior to the Covid 19 pandemic and the significant investment in the Estate Masterplan.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	1,543t
Scope 2	1,734t

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Scope 3 (Included Sources)	Not Recorded
Total Emissions	3,277t

Current Emissions Reporting

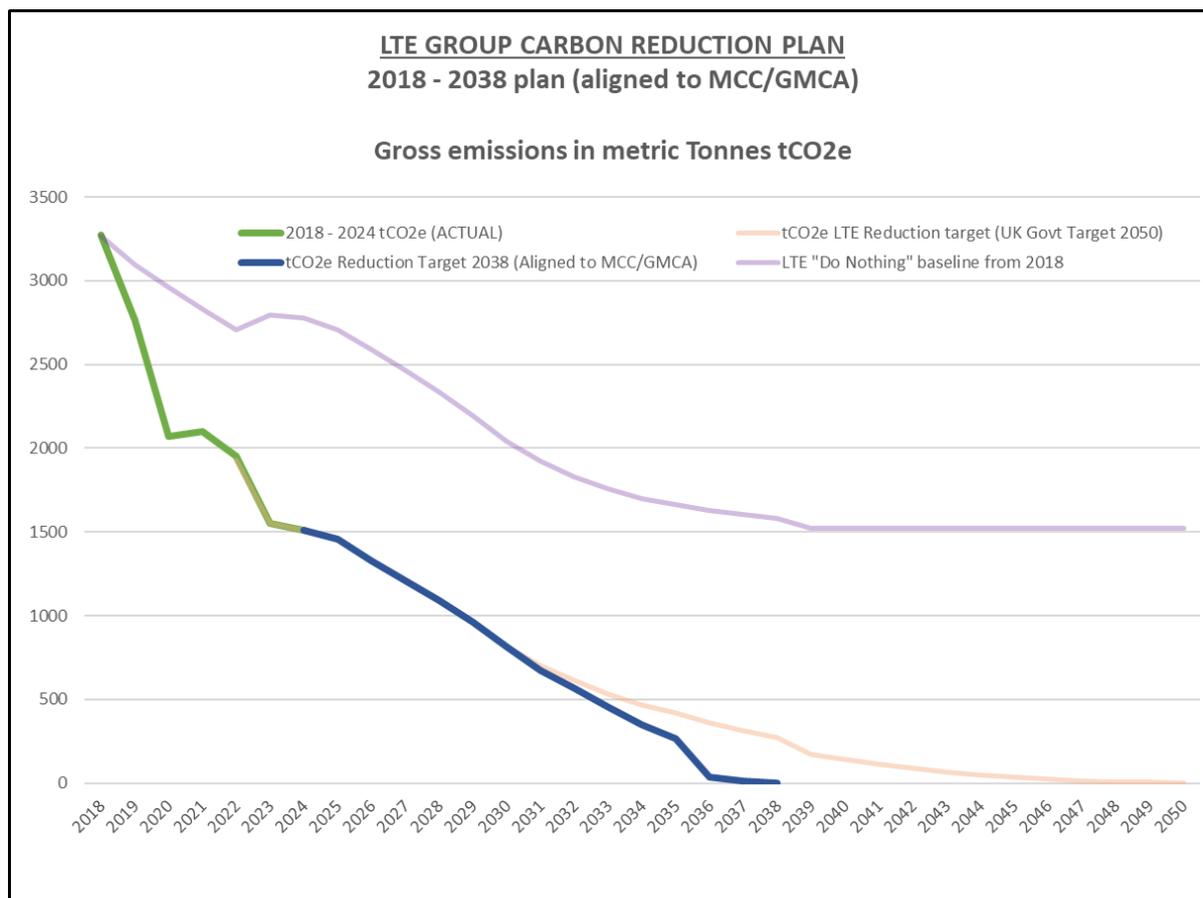
Reporting Year: Jan to Dec 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	588t
Scope 2	925t
Scope 3 (Included Sources)	Not recorded
Total Emissions	1,513t

Emissions Reduction Targets

LTE Group have adopted a carbon reduction target that aligns with Manchester City Council's and the Greater Manchester Combined Authority target to achieve a net zero position for Scope 1 and 2 emissions by 2038. Progress against this target can be seen in the graph below, mapped alongside an alternative reduction plan aligned to UK Government national commitments, in line with the 2020 Paris Agreement, which is to achieve net zero by 2050.

- Overall Scope 1 and 2 carbon emission reduction achieved since 2018 equates to a **1,764 tCO₂e** reduction (c.**54%**) against the 2018 baseline.
- Total Scope 1 and 2 emissions during 2024 of 1,513 tCO₂e, compare to 1,927 tCO₂e for 2022 emissions, as reported in Oct 2023 CRP, a reduction of **22%** (years measured January to December).
- LTE aim to target a further reduction in emissions to 1,459 tCO₂e during 2025, and to 1,325 tCo₂e by the end of 2026.
- We project that carbon emissions will continue to decrease to **817t CO₂e** by 2030, a reduction of **75%** from 2018 reported position.

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Carbon Reduction Projects

Completed Carbon Reduction Initiatives from Baseline

The following environmental management measures and projects have been completed or implemented since the 2018 baseline up to the end of the last full reporting period of January to December 2024.

In 2018, LTE Group implemented a 5-year Estate Masterplan for The Manchester College, which has the most significant estate within the LTE Group and provides accommodation for LTE Group Services. The Masterplan set out a strategic campus wide £139m investment plan to develop a new flagship energy efficient City Centre campus and new sports and construction facilities at the Openshaw campus, along with the improvement / refurbishment of the remainder of the retained estate. The strategy provided for the disposal of older energy inefficient campuses and to rationalise the overall GIFA by approximately 30% (main campus locations reduced from 12 to 6), with the consequential efficiencies in energy and carbon reduction.

Phase 1 of the Masterplan completed in July 2022 with the opening of the new City Centre campus, together with a major new sports and construction facility at Openshaw campus. A programme of refurbishment work was also completed, with minor residual work to be undertaken.

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Alongside the Phase 1 Masterplan investment, in 2021 we were successful in securing c.£3m of additional funding from the Public Sector Decarbonisation Scheme. This funding enabled a series of targeted programmes of work to be completed that has helped reduce CO₂e by over 340tCO₂e. Works completed include:

- the replacement of lights with LED across all retained campuses
- introduction of air source heat pump technology at Openshaw, Harpurhey and Wythenshawe
- installation of a major photo voltaic array at Openshaw
- Internal building fabric insulation works at Openshaw and Shena Simon

In addition, the DfE allocated condition improvement funding in 2020 which enabled number of building fabric improvement works, including roof insulation and window refurbishment work at Openshaw and Shena Simon.

Further measures undertaken include the introduction of Electric Vehicle (EV) charging points at our key campus locations to encourage the use of EV's for staff commuting to work.

Ongoing/Future Carbon Reduction Initiatives

We are currently progressing Phase 2 of our Estate Masterplan, with a further £38m of capital investment. This investment is focused on providing a major extension to the new City Centre campus. The new extension building will be close to carbon net zero in operation. Once this development is complete in Spring 2025, we will then dispose of our Shena Simon campus, which is a 19th Century Grade 2 listed building and from an energy perspective is an extremely poor performing element of our estate. In 2025 we will also sell our Nicholls Campus, which includes additional listed and older building stock with the intention to leaseback this property for 3 to 5 years further occupation. Whilst this will move the Nicholls Campus to a Scope 3 reporting requirement, we will carry out work during 2025 out to reduce reliance on fossil fuel energy dependency and will manage the campus to seek to minimise use of the older part of the campus estate. These campus changes have been reflected in the 'Gross Emissions' chart above. Other LTE Group lease properties will be included in future scope 3 category 8 reporting (TP / Novus).

In Autumn 2024, LTE bid for and were successful in being allocated c.£35k Low Carbon Skills funding from Salix, to enable surveys and feasibility studies to be undertaken to decarbonise our campuses. Reports for Openshaw, Wythenshawe and Harpurhey have been provided and a further report for City Campus is in progress. Initial information received provide options for removal of gas heating infrastructure with a provisional assessment of capital investment required to achieve this of c.£10-£12m. Further consideration will be required to assess opportunities to bid for decarbonisation funding over coming years and/or for capital investment to be allocated by LTE to fund required decarbonisation works.

In parallel with the ongoing Phase 2 development capital investment, during 2025 we also intend to:

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- Develop a draft plan in support of the commitments.
- Using available capital funding, continue to progress energy reduction works to include “baseload optimisation” (reducing the amount of energy used by buildings when they are unoccupied) and upgrading Building Management Systems so they run more efficiently.
- Initiate a review use of owned/leased vehicles to refine future Scope 1 reporting. Consider options to replace with EV’s at the end of existing lease terms.
- Develop a costed Planned Maintenance Plan (PMP) to establish requirement for capital funding to invest in the retained estate over the next 5 -10 years in order to improve building fabric and energy performance.
- Review options for increased on site renewable energy sources.
- Continually improving the suitability, adequacy and effectiveness of our environmental management systems to enhance environmental performance.
- Seek opportunities for energy reduction funding and technology improvements to further decarbonise our heating.
- Should additional capital funds become available beyond current capital funding allocations invest in new glazing and internal insulation works for existing buildings.
- Review options to procure more of our energy supplies from renewables. Currently we are supplied by a mix of energy sources including “green” energy (biomass etc). Options to move supply to a provide a higher ratio of zero carbon energy sources will be considered during 2025.

Scope 3 Emissions

Scope 3 emissions are grouped in 15 Categories.

We commit to:

- Map the 15 categories in Scope 3 against activities in LTE Group Business Units and GPS/Group Functions
- Identify a specific range of deliverable activities from the mapping exercise and build an initial five-year plan e.g. Waste Management, travel

Current Risks

Whilst the LTE Group has made significant progress in reducing its direct carbon emissions, the overall rate of CO2 reduction is projected to slow down over the coming years following the current phase of the estates masterplan. Delivering further reductions in line with the zero-carbon science-based pathway will become more challenging and costly.

Future significant reductions including building fabric improvements and switching from gas for older estate will be heavily reliant on self-funded capital or capital funding programmes released by the UK Government, many of which have become more competitive with more challenging eligibility criteria.

Notwithstanding these risks, achieving the 2038 zero carbon target is a strategic priority for the LTE Group and considerable effort is being put into this key strategic goal.

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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 reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the LTE Group Board.

Signed on behalf of the LTE Group:

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Date: July 2025

Next Review: July 2026

Note: Figures provided in this CRP are based on current available reporting information. All figures provided will be reassessed annually based on updated collected organisation information and government data for emissions.

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

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

³<https://ghgprotocol.org/standards/scope-3-standard>