

2023 Carbon Emission Reduction Plan

As a signatory of the Edinburgh Climate Compact, Edinburgh Trams is committed to reducing both our own Carbon emissions and the city of Edinburgh's. This is being achieved by incorporating emission reduction targets into our business plans. While setting objectives that will impact on our emissions across the organisation, with the process being managed through our ISO 14001:2015 certified Environmental Management System. In operating the Edinburgh Trams Network we provide an environmentally friendly mode of transport for over 7.4 million passengers per annum, attracting users away from other more Carbon intensive forms of transport, which in turn helps reduce Carbon emissions across the city.

(2019 patronage figures)

Strategic Environmental Objectives

- Reduce our impact on the environment through greater efficiency in energy usage.
- Maximise recycling opportunity, reducing the amount of waste disposed of in landfill where possible.
- Promote environmental awareness for our colleagues and contractors.
- Implement processes to prevent environmental non-conformities.
- Ensure that we are suitably prepared to deal with potential environmental emergencies.
- Identify other environmental commitments relevant to our operations.
- Take action within our organisation to reduce the city's Carbon Emissions.

Annual Environmental Objectives 2023

- Evaluate cost comparison of transitioning to:
 - Zero Carbon energy, Renewable energy, and Biogas tariffs.
- Complete a feasibility study into controlling supplies to electric vehicle charging units from Traction sub-stations.
- Replace £100k worth of lighting on the depot car park with energy efficient LEDs.
- Introduce an independent audit of returned Metro's after daily service (Mon-Fri only).
- Replace current gas boilers with more energy efficient variants.
- Replace ETL internal combustion engine fleet vehicles on obsolescence with EV alternatives (Rolling objective 2023 - 2030).
- Increase the size of local waste containers to reduce the extent of our waste transportation.
- Introduction of tablets in the Operations Control Centre, in order to reduce paper usage.

Where we are now

GHG emissions CO ₂ e (tonnes)	2019	2020	2021	2022
Traction Power	542.64	469.28	527.84	332.65
Non-Traction Power	60.82	58.89	58.12	33.43
Heating Gas	133.60	114.14	76.82	97.27
Diesel	9.46	6.80	14.40	18.21
Total	746.52	649.11	677.18	481.56

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