

2022 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 2022

- Reduce Traction Power greenhouse gas (GHG) emissions per passenger against the previous year by 5%.
- Reduce Non-Traction Power GHG emissions against the previous year by 1%.
- Maintain current heating gas GHG emissions +0%. Due to a 54% efficiency driven reduction in emissions being achieved since 2018.
- Tracking the number of lost tram journeys to identify opportunities for efficiencies.
- Replace £100k worth of lighting on the depot with energy efficient LEDs.
- Complete a feasibility study into controlling supplies to EV charging units from Traction sub-stations.
- Produce our 2021 Carbon footprint.
- Implement a process to enable hybrid working where applicable.

Where we are now

tonnes CO2e	2019	% Change vs 2018	2020	% Change vs 2019	2021	% Change vs 2020
Traction Power	542.64	>4.78%	469.28	<13.51%	527.84	>12.47%
Non-Traction Power	60.82	>2.35%	58.89	<3.17%	58.12	<1.30%
Heating Gas	133.60	<20.75%	114.14	<14.56%	76.82	<32.69%
Diesel	8.12	N/A	5.84	<28.10%	12.39	>112.20%
Total	745.18	<0.90%	648.15	<13.02%	675.17	>4.17%

Edinburgh Trams signs up to the Edinburgh Climate Compact

Neil Booth
Safety Manager (Environment)