Salford City Council

GREENER SALFORD.

FLEET DECARBONISATION
SALFORD CITY COUNCIL.

9th December 2025

APSE Transport Online Network

Building a fairer, greener and healthier Salford for all.

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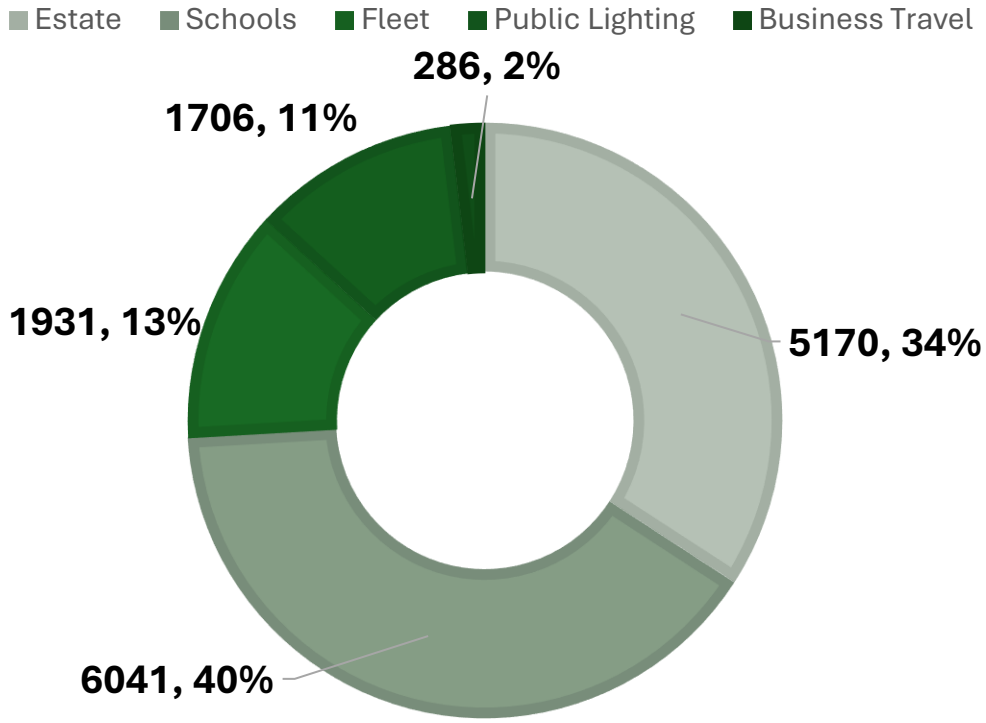
SALFORD CITY COUNCIL SCOPE 1 & 2 EMISSIONS 2024/25



Introduction and context

Salford City Council has an ambition to be carbon neutral by 2038 and declared a Climate Emergency in July 2019. Our new Corporate Plan also sets out priorities for SCC, one of which is **responding to Climate Change.**

- Much of the council's Scope 1 & 2 emissions come from,
  - **Fleet - 13%**
  - **Estate - 34%.**
- Without further decarbonisation of our buildings and the Fleet, the Council and city cannot meet its 2038 carbon neutrality target.

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Turnpike Depot

Main depot site for Salford City Council

Key operational site with our **environmental services** based at the depot.

168 vehicles owned across the SCC fleet, with **140** located at Turnpike Depot. From tractors and refuse trucks to car derived vans.

Site consists of **four buildings and parking** for fleet and private vehicles.

Energy consumption in 22/23 was,

- **606,511kWh** Electricity
- **864,452kWh** Gas

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Key Principles and Considerations

Maintaining business continuity & operation	+	**Minimising the impact on Council's Capital budget**
+		+
Phased approach to consider all options	+	**Ensure SCC meets its 2038 Carbon Neutrality target.**

Considerations

- **Agreement to replace fleet with Electric Vehicles** : Review the type and availability of zero emission vehicles to compare cost and performance against Internal Combustion Engines vehicles.
- **Identification of funding**: Identification of funding mechanisms including grant, council's capital budget and invest to save. Development of vehicle specific business cases to justify their introduction into the fleet at the right time.
- **Maintaining business continuity:** Ensuring works to site do not impact on the operation of the services. Trialling of vehicles where possible to ensure they can meet our operational requirements.
- **Phased approach:** Vehicles changed when due for renewal. Ensure that the fleet and charging data on can be collected and analysed to inform future decision around fleet and infrastructure.

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Buildings Approach

There are four buildings on site where we have looked to reduce energy consumption and remove gas central heating. Installations were funded by,

- Invest To Save
- Public Sector Decarbonisation Fund 3a
- Capital

LED Lighting installed in buildings	=	Reduced energy consumption
Air Source Heat Pump & new windows installed in Messroom	=	Decarbonised one of the buildings
Destratification Fans installed in the VMS	=	Reduced energy consumption

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Renewable Energy

The site has maximised the amount of onsite generation which has been funded by,

- Public Sector Decarbonisation Fund 1
- European Regional Development Fund
- Invest To Save

71.4kWp Roof Mounted Solar PV	=	Reduce carbon emissions by generation on site
216kWp Battery Energy Storage System	=	Maximise the energy used on site
469kWp Solar Car Ports across three car parks	=	Renewable generation can support charging of Electric Vehicles

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Fleet Vehicles

Following consideration of alternatives, **Electric Vehicles** were the option chosen for future fleet renewals (where available and affordable)

When it came to upgrading our refuse fleet, we knew there could be challenges with electric alternatives. To make the right choice, we conducted a comprehensive 12-month trial of all available electric refuse collection vehicle brands.

The trial revealed clear results: the Mercedes-Benz eEconic outperformed every competitor, completing every route with battery range to spare. While other brands struggled to finish on a single charge, the eEconic consistently delivered exceptional performance, proving its reliability for demanding urban waste collection.

Adblu tank installed	=	Reducing emissions and packaging wastage
Electric Vehicles purchased in line with planned fleet renewals	=	Lower maintenance and running costs
Charging Infrastructure planning and secured funded	=	Future proofing site to ensure future electricity demand can be met

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Vehicle Baseline Position – Dec 25

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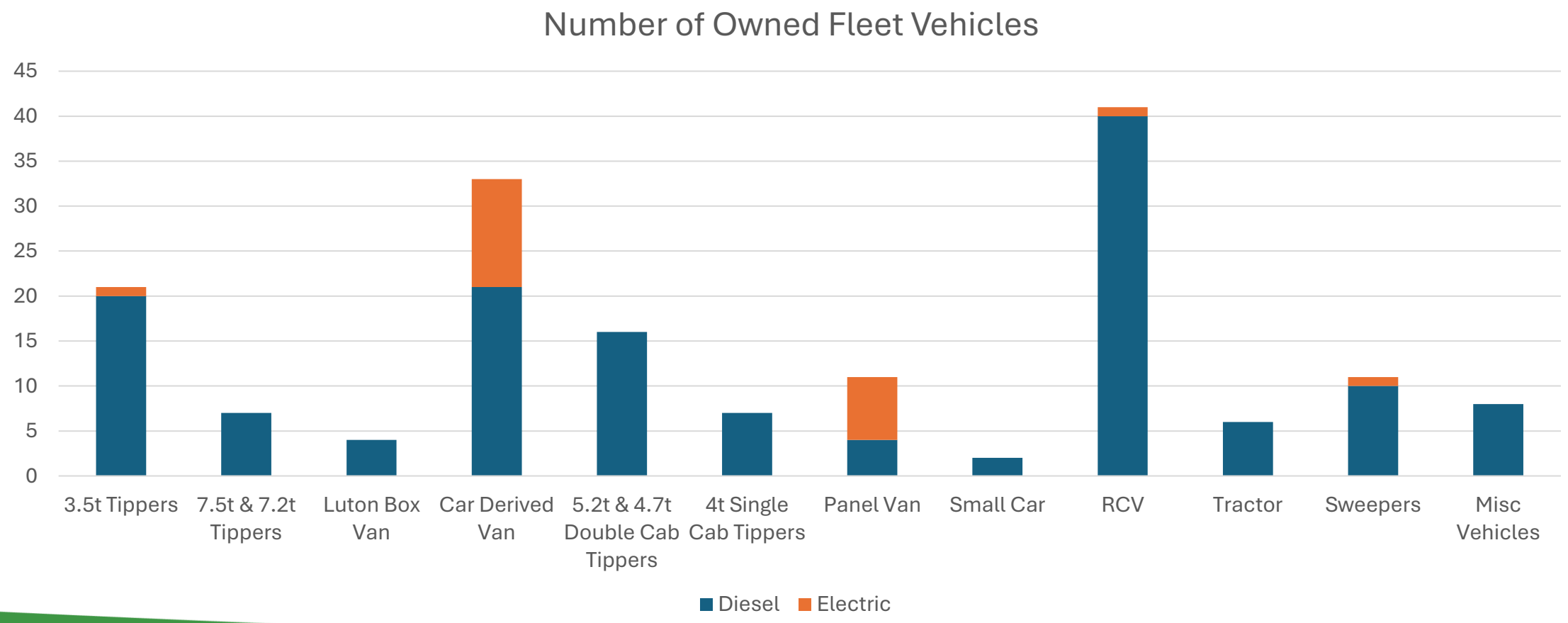

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Turnpike Depot Current Status

To date at Turnpike,

Turnpike depot has **8 EV chargers, Battery Energy Storage System and Air Source Heat Pumps**

23 vehicles are electric, including car derived and panel vans, a sweeper, a tipper and refuse collection vehicle

541kWp renewable generation installed on site

In 2024/25, **435,480kWh** of electricity was generated on site, of which,

- **195,970kWh** was used on site – 32% of 22/23 usage
- **239,510kWh** was exported

This has saved the council around **£64k** and over **350tCO2.**

Due to purchase **18 additional electric vehicles** within 12 months and install additional **EV charging across four council sites.**

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Lessons Learned

- Installation – Time & disruption
- Phased Approach
- Electricity Demand & Supply
- Trialling
- Business Models
- Briefing Stakeholder

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Thank you

Our vision for Salford is for a fairer, greener, healthier and more inclusive city for all.