

Waste and Street Scene Policy Committee - Climate Statement

This Committee has responsibility for the Council's key environmental services including waste management, highways maintenance, parking services, licensing and environmental regulation. These services both contribute to the Council's and city's greenhouse gas emissions and will be impacted by future climate scenarios. This Committee therefore recognises the leadership role and responsibility it has to achieving net zero and building resilient services.

Since 2017, emissions from the city's waste management have reduced by nearly 4% to 2,270kt/CO₂e in 2021, contributing nearly 7% of Sheffield's overall greenhouse gas emissions.

The emissions from our streetlighting and other ancillary services on our highways such as CCTV and traffic signals are included in the Council's greenhouse gas reporting and make up just over 2% of the Council's emissions. Through the replacement with LED technology and smart controls, along with the decarbonisation of electricity supply, these emissions have reduced by 32% since 2019.

As a result of climate change, Sheffield is most likely to experience:

- Wetter winters and more intense rainfall events throughout the year, increasing the risk of flooding. This could result in a high amount of surface water, exceeding the capacity of drainage systems leading to localised flash flooding.
- Warmer and drier summers will increase the risk of damage our highways infrastructure.

The policies and work programme of this Committee can contribute to the Council's and city-wide net zero by 2030 target as well as adapting to climate change. This is a challenge shared by all Policy Committees, sectors and services. It has therefore been agreed that this will be addressed in the overarching council-wide section of the full composite of climate statements.

However Waste & Street Scene Policy Committee are committed to:

- Work with other Policy Committees on surface water flooding remediation and wider flood strategy work.
- Engage with Yorkshire Water to ensure their business plan for maintaining and managing their assets, infrastructure and sewers are robust and fit for future weather events.
- Ensure the future Waste Strategy for the city maximises decarbonisation and circular economy opportunities.
- Continue to maximise opportunities for heat decarbonisation by promoting the District Energy Network and supporting expansion opportunities.
- Work with the Street Tree Partnership to enable carbon sequestration opportunities, whilst also recognising the climate adaptation contributions street trees make.
- Improving local environmental quality through our regulation and licensing function.
- Give consideration of every opportunity for investing in renewable energy projects on Council land and buildings within the WSS portfolio to generate energy and income.
- Influence the development of our green travel plan for all our staff and partners to include grey fleet, staff parking and active travel.
- Continue to identify the regulatory levers/powers that we can employ to reduce carbon emissions.

Key Actions on Work Plan

<p>Future waste collection service options</p>	<ul style="list-style-type: none"> • The council will collect a wider range of plastic and cartons for recycling to meet our new legal obligations of the Environment Act. • We will refresh our Waste Strategy and set out options for future waste collection services, consider different collection services (different containment options) and our consultation strategy. • Review of lower carbon collection vehicles • Carryout proactive campaigns to encourage more food recycling and composting.
<p>Review of the District Energy Network</p>	<ul style="list-style-type: none"> • The District Energy Network supplies a low carbon source of heat to buildings within the city centre. To meet national 2050 net zero targets, the Government is introducing Heat Network Zoning legislation in which buildings within a zone will be mandated to connect to a heat network. The zones will be designated where it is identified that heat networks can provide the lowest cost low carbon heat. • Having participated in the Department for Energy Security and Net Zero's Heat Network Zoning Pilot and Advanced Zoning Programme, Sheffield is working towards designating and progressing Heat Network Zones from 2025. • The Council secured funding from the Heat Network Delivery Unit to undertake a techno-economic feasibility study to inform early opportunities for expanding the heat network and further decarbonising heat supply through the integration of waste heat supplies, the findings of this will be finalised in 2024.
<p>Street Tree Partnership</p>	<ul style="list-style-type: none"> • The Sheffield Street Tree Strategy has a vision of a network of street trees that Sheffield can be proud of, well maintained and cared for; resistant to the threats of disease and climate change; and delivering many benefits for people and our environment. • These benefits include contributing to offsetting our carbon emissions and helping

	<p>combat the effects of climate change such as flash floods and rising temperatures.</p> <ul style="list-style-type: none"> • Delivery of the Strategy is led by the Sheffield Street Tree Partnership. • We will explore further opportunities of using Street Trees for Biodiversity Net Gain • The Waste and Street Scene Policy Committee will continue to engage with, and champion the work of, the Partnership; providing support where required.
Continue the approach to greener vehicles into the hackney carriage and private hire vehicle fleet	<ul style="list-style-type: none"> • Offering financial support through the assistance Scheme of the CAZ
Renewable energy projects	<ul style="list-style-type: none"> • Develop business case and source funding to connect the District Energy Network (DEN) into Moor Market • Explore further opportunities to install more solar panels on the Moor Market and Winter Garden. • Explore opportunities to install solar panels on Car Parks
Regulatory and Licensing Influence	<ul style="list-style-type: none"> • We will do further work to identify the regulatory levers/powers that we can employ to reduce carbon emissions via our work with business. For example packaging & plastic use in food venues etc. • We will ensure we support businesses where possible through this transition to reduce / eliminate all forms of waste • We will continue to build resilience and develop approaches across Parking Services to continue to effectively manage bus lanes, yellow box, pavement parking, idling, school streets and circling for spaces.
Infrastructure for EV	<ul style="list-style-type: none"> • Increasing the network across our car parks
Water Usage and single use plastics	<ul style="list-style-type: none"> • Roll out more water fountains across our public realm
Influence the development of our green travel plan for all our staff and partners to include grey fleet, staff parking and active travel.	<ul style="list-style-type: none"> • Ensure all officers are aware and have access to green travel plans. • Influence other Policy Committees for more secure bike parking in the city centre

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