

Appendix 3 - Carbon Impact Assessment – Council Plan 2022-25 (Quarter Four) and Year Ahead Delivery Plan progress update

Will the decision/proposal impact...	Impact	If an impact or potential impacts are identified			
		Describe impacts or potential impacts on emissions from the Council and its contractors.	Describe impact or potential impacts on emissions across Rotherham as a whole.	Describe any measures to mitigate emission impacts	Outline any monitoring of emission impacts that will be carried out
Emissions from non-domestic buildings?	N/A	<p>The Council has developed a heat decarbonisation plan, which targets operational buildings with heating systems that are reaching the end of their serviceable life. The CO2 emissions report 21/22 shows emissions from operational buildings decreasing by 4% to 31 March 2022, contributing to the 18% target. Whether this target has been met will not be known until July 2023 once data becomes available.</p> <p>Alternative sites are being investigated for the £1 million proof of concept renewable energy project, with the preferred site at Kilnhurst on hold due to potential need of the site by the National Coal Authority.</p>	<p>Delivery of new Century business centre at Manvers and delivery of a range of business support and advice projects to help local companies recover are likely to increase emissions from new office buildings or other businesses.</p>	<p>Asset Management Board adopted a policy that all new and refurbishment properties will look at the feasibility of low carbon heating and energy efficiency measures as a first option. Business centres are included in the Council's decarbonisation Plan.</p> <p>See actions outlined in previous two columns.</p>	<p>Carbon Impact Assessments required for all Cabinet reports.</p> <p>All emissions from operational buildings are monitored and reported publicly.</p>
Emissions from transport?	N/A	<p>A fleet conversion plan was approved at Cabinet in March 2023. The plan commits to replacing around 35% of the Council's fleet with over half of those purchases intended</p>	<p>Transforming Cities Fund programme includes various bus, tram, and cycle improvements. These will be expected to reduce transport emissions.</p>	<p>See actions outlined in previous two columns.</p>	<p>Approaches to monitoring vehicle usage, emissions and fuel efficiency.</p>

		<p>to be electric vehicles and the remainder meeting the latest emission standards.</p>	<p>Decreases may be offset by induced demand for transport arising from other projects (e.g. Century Business Centre). Currently not possible to calculate net impact.</p> <p>The plan for neighbourhood road safety engagement, including 20 mph zones will, if successful, decrease emissions.</p> <p>9 electric vehicle charge points have now been installed on Council car parks at Drummond St, Constable Lane and Douglas St. 14 additional sites are shortlisted and being assessed to extend the Council managed EV charging infrastructure to provide 2 -3 more rapid charging sites (9 to 12 bays). Work is also underway to deliver at least 2 residential charging hubs (4 to 8 bays) based on geographic coverage, housing densities and economic indicators pointing to earlier uptake of EV.</p> <p>Completion of the A630 Parkway Improvement Scheme to reduce speeds (50mph), reduce congestion and improve air quality, and delivery of bus, tram and cycle improvements through the Transforming Cities Fund</p>		<p>Carbon Impact Assessments required for all cabinet reports.</p> <p>Data captured from the pilot to monitor and assess the environment in local areas.</p>
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			<p>programme, and Cycleways schemes in line with the cycling strategy will decrease emissions and encourage people to cycle more.</p> <p>New systems implemented to monitor and assess the environment in local areas and enable improvements in grounds maintenance and street cleansing. This will help to reduce unnecessary visits/travel to certain zones.</p>		
Emissions from waste, or the quantity of waste itself?	N/A	An action plan to tackle single use plastics has been developed was approved by Cabinet in March 2023, working towards ending the provision of unnecessary single use plastics across council buildings and events and supporting Rotherham residents to take action.	BDR (Barnsley, Doncaster and Rotherham) Waste Partnership consultation to find out what people think of the household waste recycling service.	See actions outlined in previous two columns.	<p>A baseline for single use plastics across council buildings and events will be identified.</p> <p>Improved information and data to take further action in reducing waste, improving recycling rates and reducing contamination.</p> <p>Carbon Impact Assessments required for all cabinet reports.</p>
Emissions from housing and domestic buildings?	N/A		<p>Delivery of 171 homes across 3 sites underway as part of the Council's Housing Growth Programme, including:</p> <ul style="list-style-type: none"> • Town Centre housing programme • Chesterhill Avenue and Whinney Hill 	Housing Strategy for 2022-2025 agreed by Cabinet in July 2022 includes the Green Housing Strategy to reduce energy costs and improve efficiency of homes.	Establish housing stock emission baselines, consolidating the available intelligence and gathering further data as required, using existing data on

			<ul style="list-style-type: none"> • Delivery of Council bungalows on sites in Treeton and Ravenfield. <p>These houses will imply an increase in emissions from domestic buildings, however in the case of buildings being taken up by existing residents this may not be significantly different to current domestic emissions from those residents.</p>	<p>The ECO4 scheme to provide support for residents installing home insulation started on 1 July 2022 and continues to progress well. There are now 4 energy retrofit contractors working with the Council to identify qualifying residents and carry out work on Rotherham properties. The Council has signed off ECO4 work on 350 properties since August 2022. Following the work on a property, participating residents have now saved an average of £579.99/year on their energy bills</p>	<p>council-owned housing stock, and developing intelligence on the wider housing stock across the Borough.</p> <p>Carbon Impact Assessments required for all cabinet reports.</p>
Emissions from construction and/or development?	N/A	<p>Construction and planned developments, such as improving the condition of local neighbourhood roads through the 2024 roads programme, provision of the new library at Thurcroft, building works to improve day facilities, developing new and improved play areas for children and young people will increase emissions.</p> <p>Plans for large scale developments and improvements, such as the towns and villages fund, construction of the market and library schemes as part of Future High Streets Fund programme and construction</p>		<p>Emission considerations as part of the Council's social value policy are being developed, exploring how the policy can be used to incentivise climate change commitments and CO2 reductions within tender processes.</p> <p>Introduction of further SPDs (supplementary planning documents) relevant to climate change – SPDs can elaborate on Local Plan policies, giving developers additional technical guidance, speeding up applications and resulting in better quality development for the community and environment.</p>	<p>Carbon Impact Assessments required for all cabinet reports.</p>

		<p>of the leisure development on Forge Island could significantly increase carbon emissions.</p> <p>Plans connected to the construction of flood alleviation schemes and barriers, such as achieving 'shovel ready' status for the six priority flood alleviation schemes, securing funding to implement the schemes, constructing the Forge Island canal barrier and the Ickles Lock to Centenary Way flood wall and embankment will all entail emissions.</p>		<p>The Forge Island Canal Barrier used ultra-low carbon concrete during construction, which resulted in a 70% reduction in embedded carbon. The canal barrier was recognised for innovation and excellence with the Smeaton award at this year's Institution of Civil Engineers Yorkshire and Humber Awards.</p> <p>See actions outlined in previous two columns.</p>	
<p>Carbon capture (e.g. through trees)?</p>	<p>N/A</p>		<p>In the first season of the Council's tree planting programme (November 2021 - February 2022), 2,000 new trees were planted across the borough. The planting season for 2022-23 started in November 2022 and ran until February 2023. A total of 2,397 trees were planted against a target of 500.</p> <p>Improvement of approach to weed control and removal, as well as sustainable management of verges and greenspaces to encouraging biodiversity and increase wildflower areas, with potential</p>	<p>See actions outlined in previous two columns.</p>	<p>The Council currently has little data related to carbon sequestered via trees, limiting our understanding of the planting required to offset emissions.</p> <p>Carbon Impact Assessments required for all cabinet reports.</p>

			(but likely negligible) impact on carbon capture.		
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Identify any emission impacts associated with this decision that have not been covered by the above fields:

25 ward plans produced and published informed by local communities, many of which include priorities to improve the local environment and tackle climate change.

The Climate Change Action plan was refreshed and approved at Cabinet on the 17 October 2022, which included short- and long-term measures and a commitment to update the action plan annually at Cabinet. The annual report was considered by Cabinet in March 2023, with actions for 2023/24 approved.

Finally, a communications plan to raise awareness of climate change has been produced and agreed with the Climate Change Manager and has now been delivered. Due to its nature, many actions within the plan are ongoing.

Please provide a summary of all impacts and mitigation/monitoring measures:

Given that this is a progress report, and implies no direct recommendations or decisions, there are no relevant emission impacts to consider. Where progress on certain actions has implied a specific definable impact on emissions, this has been included indicatively.

Supporting information:

Completed by:
(Name, title, and service area/directorate).

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Policy, Performance and Intelligence, Assistant Chief Executives Directorate.

Please outline any research, data, or information used to complete this [form].

Directorate Year Ahead Delivery Plan trackers and KPI data for Quarter 4
Fifth Council Plan 2022-2025 and Year Ahead Delivery Plan Progress report

If quantities of emissions are relevant to and have been used in this form please identify which conversion factors have been used to quantify impacts.	
Tracking [to be completed by Policy Support / Climate Champions]	