

Appendix 5 - Carbon Impact Assessment – Council Plan 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.</p> <p>Greenhouse gas emissions from have decreased over the last three financial years, driven by Council activity and decarbonisation of the UK electricity system. Data for the 22/23 financial year indicates a 4.21% reduction in carbon emissions across the corporate estate. It is not expected that the 2023/24 target of a 10% reduction in emissions during the year can be achieved however the Council continues to carry out actions to reduce gas emissions. Data will not be available for the period 2023/2024 until Q2 of 2024 when verified invoicing is available from our energy supplier.</p>	<p>Completion of the 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>Alongside the decarbonisation of the grid, the Council has committed to decarbonising five Council buildings which will further reduce carbon emissions. Investigations are also underway with regards to the feasibility of 'sleeving power purchase arrangements' (PPA) as a potential source for our electricity, which allow customers to directly purchase renewable energy directly from the generator with reduced costs.</p> <p>New YADP for 2024-25 includes new actions which</p>	<p>Carbon Impact Assessments required for all Cabinet reports.</p> <p>All emissions from operational buildings are monitored and reported publicly.</p> <p>Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.</p>

		<p>In relation to renewable energy generation, an ongoing review of other suitable sites continues in line with the target to deliver a renewable energy site by 2025.</p> <p>Following the launch of the Family Hubs programme other organisations will be co-locating across Council buildings, which could increase building emissions.</p>		<p>will contribute to reducing carbon emissions</p>	
<p>Emissions from transport?</p>	<p>N/A</p>	<p>A fleet conversion plan has been developed and a fleet programme officer has been appointed. In addition, a trial is taking place of an alternative low carbon fuel known as 'Hydrotreated Vegetable Oil' in place of diesel across a sample size of 10 vehicles, which aims to deliver a 90% carbon reduction from emissions. If the trial is successful, this may be implemented across the wider fleet.</p> <p>A report on Rotherham Council Electric Vehicle Infrastructure Expansion was approved at Cabinet in October 2023. An Electric Vehicle Infrastructure Strategy has also now been developed and approved by Cabinet in March 2024.</p> <p>Greenhouse gas emissions from these sources have</p>	<p>Transforming Cities Fund programme includes various bus, tram, and cycle improvements. These will be expected to reduce transport emissions.</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>20 mph zones, will if successful decrease emissions.</p> <p>The Government Local Electric Vehicle Infrastructure (LEVI) funded scheme at Drummond Street car park has been approved by Cabinet. The scheme will look will provide a solar photovoltaic canopy, ultra-rapid bays, rapid bays, fast bays, and standard bays.</p>	<p>See actions outlined in previous two columns.</p> <p>An Independent Travel Training offer has been developed to support children with special educational needs or disabilities who would normally access the Council's Home to School transport services. This initiative is promoting more sustainable travel and transport solutions.</p> <p>New YADP for 2024-25 includes new actions which will contribute to reducing carbon emissions</p>	<p>Approaches to monitoring vehicle usage, emissions and fuel efficiency.</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> <p>Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.</p>

		increased over the last three financial years, driven by increasing business mileage since the end of COVID-19 social distancing restrictions. Data for 22/23 financial year indicates an increase of 3.23%. It is not expected that the 2023/24 target of a 10% reduction in emissions from fleet and EV infrastructure during the year can be achieved however the Council continues to carry out actions to reduce these types of gas emissions.	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.		
Emissions from waste, or the quantity of waste itself?	N/A	An action plan to tackle single use plastics has been approved by Cabinet as part of the wider Climate Change Action Plan in March 2023.		See actions outlined in previous two columns. New YADP for 2024-25 includes new actions which will contribute to reducing carbon emissions	Improved information and data to take further action in reducing waste, improving recycling rates and reducing contamination. Carbon Impact Assessments required for all cabinet reports. Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.
Emissions from housing and domestic buildings?	N/A		The Council is continuing to deliver on its commitment to build 1,000 new homes through the Housing Growth Programme. These houses will imply an increase in emissions from domestic buildings, however in the case	Housing Strategy for 2022-2025 includes the Green Housing Strategy to reduce energy costs and improve efficiency of homes. The ECO4-FLEX project is still proving very popular with	Establish housing stock emission baselines, consolidating the available intelligence and gathering further data as required, using existing data on

			<p>of buildings being taken up by existing residents this may not be significantly different to current domestic emissions from those residents. Recent homes at East Herringthorpe have included additional energy efficiency measures including:</p> <ul style="list-style-type: none"> • Under-floor heating – improves the efficiency of the ASHP system and internal space standards on the ground floor • Solar photo-voltaic panels (PV) – reduces carbon emissions by allowing the homes to self-generate energy and can thereby help reduce energy bills for occupiers • Mechanical ventilation and heat recovery (MVHR) – improves the efficiency of the ASHP system by allowing air to be recirculated within the dwelling. MVHR can also improve internal air quality, reduce condensation, and help to manage over-heating • Additional airtightness works – reduce heat loss. 	<p>residents in the borough who need help in applying for government grants and residents needing support to improve their home's energy efficiency. Work has now been signed off on 638 ECO4 projects since April 2023. 10 installers have been approved to undertake work via this scheme in the borough, allowing more domestic retrofit projects to be completed and increasing the rate of decarbonisation of our private housing stock. Alongside this, 105 Community Energy Support Scheme (CESS) household support projects have completed since April 2023. As a result of these collective projects, the Council has saved residents approximately £7,082,250 in the last 19 months.</p> <p>New YADP for 2024-25 includes new actions which will contribute to reducing carbon emissions</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> <p>Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.</p>
Emissions from construction and/or development?	N/A	Construction and developments, such as 2024 roads programme, new		Introduction of further SPDs (supplementary planning documents) relevant to climate change – SPDs can	Carbon Impact Assessments required for all cabinet reports.



library at Thurcroft, building works to improve day facilities, developing new and improved play areas for children and young people, a feasibility study for the Rotherham Theatre will increase emissions.

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 of the leisure development on Forge Island could significantly increase carbon emissions.

The majority of the above are now complete.

Plans connected to the construction of flood alleviation schemes and barriers, such as achieving 'shovel ready' status for the priority flood alleviation schemes, securing funding to implement the schemes, embankment will all entail emissions.

elaborate on Local Plan policies, giving developers additional technical guidance, speeding up applications and resulting in better quality development for the community and environment.

See actions outlined in previous two columns.

New YADP for 2024-25 includes new actions which will contribute to reducing carbon emissions

Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.

Carbon capture (e.g. through trees)?	N/A		<p>3,361 trees have been planted to date, over the last two years.</p> <p>Improvements in the approach to weed control and removal, as well as sustainable management of verges and greenspaces to encouraging biodiversity and increase wildflower areas, with potential (but likely negligible) impact on carbon capture.</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> <p>Future Council Plan/YADP progress reports to Cabinet will include an updated CIA.</p>
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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 Annual report was presented to Cabinet in February 2024.

To ensure the Council remains focussed on working towards the outcomes and commitments set out in the Council Plan, a review of the Council Plan performance targets has been carried out and new Year Ahead Delivery Plan actions identified for 2024-25, some of which will contribute to reducing carbon emissions across the borough during the new financial year. Progress against these will continue to be reported to Cabinet twice a year.

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).	Tanya Lound Simon Dennis Michael Holmes 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. Council Plan targets and Year Ahead Delivery Plan actions for 2023-24.
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]	