

Appendix 3 - Carbon Impact Assessment – Council Plan 2022-25 and Year Ahead Delivery Plan

User guidance:

- The first section of this form guides users through considering major areas where emissions are likely to occur. If emissions are impacted in a way not covered by these categories, please identify this at the bottom of the section
- The first section should be filled as such:
 - **Impact:** identify, in relation to each area, whether the decision of the proposal does the following: *reduces emissions, increases emissions, or has no impact on emissions*. If it is uncertain this section can be labelled *impact unknown*
 - If **no impact on emissions** is identified: no further detail is needed for this area, but can be added if relevant (e.g. if efforts have been made to mitigate emissions in this area.)
 - **Describe impacts or potential impacts on emissions:** two sections deal respectively with emissions from the Council (including those of contractors), and emissions across Rotherham as a whole. In both sections please explain any factors that are likely to reduce or increase emissions. If **impact unknown** has been selected, then identify the area of uncertainty and outline known variables that may affect impacts.
 - In most cases there is no need to quantify the emission impact of an area after outlining the factors that may reduce or increase emissions. In some cases, however, this may be desirable if factors can be reduced to a small number of known variables (e.g. if an emission impact is attached to a known or estimated quantity of fuel consumed).
 - **Describe any measures to mitigate emission impact:** regardless of the emission impact, in many cases steps should be taken in order to reduce mitigate all emissions associated with each area as far as possible; these steps can be outlined here (For example: if a proposal is likely to increase emissions but practices or materials have been adopted in order to reduce this overall impact, this would be described here).
 - **Outline any monitoring of emission impacts that will be carried out:** in this section outline any steps taken to monitor emission levels, or steps taken to monitor the factors that are expected to increase or reduce emission levels (for example, if waste or transport levels are being monitored this would be described here)
- A **summary paragraph** outlining the likely overall impacts of the proposal/decision on emissions should then be completed - this is not required if the proposal/decision has no impact across all areas.
- The supporting information section should be filled as followed:
 - Author/completing officer
 - **Research, data, or information** may refer to datasets, background documents, literature, consultations, or other data-gathering exercise. These should also be added to the **supporting documents** section of the cabinet report

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>Phase 1 of a heat decarbonisation plan has been developed. This will cover 43 of the Council's highest energy consuming operational buildings. Projected carbon emissions reductions from phase 1 are from 3,716 tCO₂e in 2019, to 806 tCO₂e in 2030: a reduction of 78%. Work is ongoing to extend the HDP to cover all operational buildings.</p> <p>A £1 million proof of concept renewable energy project is underway, and officers are currently assessing and conducting due diligence on a primary site owned by the council. This is expected to save 240 tCO₂e compared to grid electricity.</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>AMB 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>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 trial of the Dennis Eagle eCollect took place in March 22 and data is currently being analysed to establish capability, performance and</p>	<p>The plan for neighbourhood road safety engagement, including 20 mph zones, will if successful decrease emissions.</p> <p>Completion of the A630 Parkway Improvement</p>	<p>Installation of additional 8 charging units to complement existing provision, and 2 residential charging hubs (subject to SYMCA funding) will mitigate transport emissions by aiding the transition to hybrid or electric.</p>	<p>Approaches to monitoring vehicle usage, emissions and fuel efficiency are being developed.</p>

		<p>potential demands on electricity infrastructure.</p> <p>Further research into EVs being operated by local authorities, and other alternative low carbon options on the market is being undertaken, together with work to establish full life costs and climate impact of alternatives.</p> <p>This will lead into a fleet conversion programme – expected January 2023.</p>	<p>Scheme to reduce speeds (50mph), reduce congestion and improve air quality, and delivery of bus, tram and cycle improvements through the Transforming Cities Fund programme, and Cycleways schemes in line with the cycling strategy will decrease emissions.</p> <p>Transforming Cities Fund programme includes various bus, tram, and cycle improvements to be completed by March 2023. These will be expected to reduce transport emissions.</p> <p>The above 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>Carbon Impact Assessments required for all cabinet reports.</p> <p>Baseline data assessments for fleet and grey transport emissions due for publication. To be reported on regularly in future.</p>
<p>Emissions from waste, or the quantity of waste itself?</p>	<p>N/A</p>				<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>

					Carbon Impact Assessments required for all cabinet reports.
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 • 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 (e.g. through the Council's housing registrar) this may not be significantly different to current domestic emissions from those residents.</p>	Refresh of the Housing Strategy for 2022-2025 (now scheduled in July 2022) will include the Green Housing Strategy to reduce energy costs and improve efficiency of homes.	<p>Establish housing stock emission baselines, consolidating the available intelligence and gathering further data as required, using both Parity software with existing data on 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	Construction and planned developments, such as improving the condition of local neighbourhood roads through the 2024 roads programme, completion of the Libraries Capital Investment Programme, including the provision of the new library at Thurcroft, developing new and		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.	<ul style="list-style-type: none"> • Carbon Impact Assessments required for all cabinet reports.

		<p>improved play areas for children and young people, a feasibility study for the Rotherham Theatre 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 of the leisure development on Forge Island could significantly increase carbon emissions.</p> <ul style="list-style-type: none"> 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>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 capture (e.g. through trees)?</p>	<p>N/A</p>		<p>22,000 new trees planted from October 2021 to March 2022</p> <p>Improvement of approach to weed control and removal, as well as sustainable</p>		<p>The Council currently has little data related to carbon sequestered via trees, limiting our understanding of the</p>

			management of verges and greenspaces to encouraging biodiversity and increase wildflower areas, with potential (but likely negligible) impact on carbon capture.		planting required to offset emissions. Carbon Impact Assessments required for all cabinet reports.
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Identify any emission impacts associated with this decision that have not been covered by the above fields:

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).	Sam Blakeborough, PPI, ACX
Please outline any research, data, or information used to complete this [form].	Climate Emergency Progress Summary and 2021/22 Action Plan Year Ahead Delivery Plan draft
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]	