Appendix 8 – Carbon Impact Assessment

	Impact	If an impact or potential impacts are identified			
Will the decision/proposal impact		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?	Impact unknown	Schemes to upgrade District Heating boiler houses will be funded through the HRA Capital Programme, with a view to replace existing gas boilers with low or zero carbon alternatives in the long term.	Recommendations with respect to District Heating charges are benchmarked to the Ofgem energy price cap, so that households with a heat network connection are not penalised compared to those with central heating and a gas boiler. This may become relevant to carbon emissions in the longer term, since low or zero carbon heat networks offer an alternative technology to decarbonise domestic heating, in dwellings where an air source heat pump might be unviable. Homes which are connected to the Council's existing district heat networks comprise ca. 1% of all domestic properties in Rotherham.		Supply of gas and biomass (wood pellets) to District Heating boiler houses is monitored through the Council's energy procurement portfolio. Greenhouse gas emissions from District Heating are outside the scope of the Council's NZ30 target, however they will be included as scope 3 emissions in the 2025 Climate Change Annual Report.

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Emissions from	Impact	For new residential	While it is possible that	It is recommended that	N/A
transport?	unknown	developments and works to existing council stock vehicle movements to and from the site will be generated during demolition and construction.	new households will increase vehicle movements, they may also reduce them, depending on the location of new developments with respect to residents' places of work and access to services.	new housing development should account for access to public transport and active travel, in its location and design.	
Emissions from waste, or the quantity of waste itself?	Increase	Construction and works to existing Council stock will generate waste materials through demolition, exporting of materials from groundworks and waste construction materials.	Albeit new homes might not mean more people living in the Borough, there may be a small increase in the amount of waste collected from households and distance travelled by waste collection vehicles.	Prospective contractors will be required to demonstrate how they will mitigate waste in their tenders, to include reusing/recycling materials on site where possible.	N/A
Emissions from housing and domestic buildings?	Decrease		It is a principal focus of the 2025/26 HRA Business Plan to improve the thermal comfort of existing Council homes and to save Council tenants' spending on energy bills, which should have the additional benefit of cutting emissions from domestic heating. In 2022, domestic gas heating accounted for <i>ca</i> . 16.5% of all greenhouse gas emissions in the		EPC ratings are recorded for all the Council's housing stock. These data will be supplemented by stock condition surveys, to commence in January 2025. New buildings are monitored once they are occupied, to ensure their stated energy performance standards are met in practice.

Appendix 8 - Carbon Impact Assessment Borough of Rotherham; at the 2021 Census. 16.7% of households rented from the Council. £13 million is allocated in the HRA business plan to increase all Council homes' energy performance to EPC band C by 2030: the Council will seek to leverage further investment from external sources, including the Warm Homes: Local Grant. New build homes will be designed to Future Homes Standard, to be introduced in 2025. All options set out in the Ministry of Housing, Communities and Local Government consultation on the Future Homes Standard exclude the use of fossil fuel boilers in new dwellings. There will be emissions For new build schemes, **Emissions from** It is recommended that a Increase construction from the construction of there may be a smaller RICS 'whole life carbon and/or assessment' or suitable new and refurbishment of carbon impact per development? existing housing. In the dwelling, where modern alternative should be HRA business plan, 440 methods of construction completed for at least

are used.

one housing

dwellings are to be

Appendix 8 – Carbon Impact Assessment

housing stock between 2025/26 and 2028/29, by a combination of a combination of a combination of acquisition and new development. Some new properties in the programme i.e., homes purchased by the Council as strategic acarbon impact regardless of the Council's purchase. It is possible that mature trees will be removed as part of the development of some new sites. Carbon capture (e.g. through trees)? housing stock between 2025/26 and 2028/29, by a combination of retrofiting properties to a higher energy performance standard will be partially offset by increased energy efficiency. If trees are present on the site of a proposed development, they will be retained wherever possible. Planning consent for the removal of mature trees will depend on their equivalent replacement, plus 10%. Carbon capture (e.g. through trees)? Carbon capture (a.g. through trees)?			added to the Council's		development, to provide
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gain, which is expected process (HMMP).			•		process (HMMP).
to contribute to carbon					
capture. dentify any emission impacts associated with this decision that have not been covered by the above fields:		<u> </u>			

Identify any emission impacts associated with this decision that have not been covered by the above fields:

N/A

Appendix 8 – Carbon Impact Assessment

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

The Council's commitment for carbon emissions in Rotherham to be Net Zero by 2040 will require substantial investment in the Council's housing stock over the life of the Business Plan. Initial estimates put the cost of this at circa £600m which represents a formidable challenge to the HRA. As a result, this means that drawing in external funding to progress net zero commitments becomes even more significant. Participation in national grant funding schemes will be prioritised.

Supporting information:		
Completed by:	Lindsay Wynn, HRA Business Planning Manager.	
(Name, title, and service area/directorate).		
Please outline any research, data, or information used to complete this [form].	N/A	
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.	N/A	
Tracking [to be completed by Policy Support / Climate Champions]	Tracking reference: CIA410	
	Katie Rockett, Climate Change Officer	