

Climate Impact Assessment, Appendix 2, Rotherham Gateway Progress to Full Business Case

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 the Borough 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?	None	N/A	N/A	N/A	N/A
Emissions from transport?	None	N/A	N/A	N/A	N/A
Emissions from waste, or the quantity of waste itself?	None	N/A	N/A	N/A	N/A
Emissions from housing and domestic buildings?	None	N/A	N/A	N/A	N/A
Emissions from construction and/or development?	None	N/A	N/A	N/A	N/A
Carbon capture (e.g. through trees)?	None	N/A	N/A	N/A	N/A
Identify any emissions impacts associated with this decision which have not been covered by the above fields: We are currently completing a Cabinet Report to apply for funding to support the Full Business Case for Rotherham Gateway, therefore we would advise there would be no current impacts on carbon, as the carbon impact assessment has been completed to apply for the funding for the Full Business Case, there are currently no intentions to commence any construction work on site.					

Will the proposal affect Council services' resilience to climate change, or the capacity of people living in the Borough to adapt to climate change?

The Full Business Case is not expected to affect resilience to climate change, however through the delivery of the wider scheme, it will support climate change adaptations and mitigate against flood risk.

Provide a summary of all impacts and mitigation/monitoring measures:

Embodied Carbon and Construction Impact: The Full Business Case will support the delivery of the Rotherham Gateway. The Gateway will involve significant embodied carbon, which includes emissions from the production and transportation of building materials, as well as the energy used during construction. Additionally, increased rail traffic will contribute to carbon emissions, although rail is proven to be a more carbon efficient mode of transport compared to the use of the private car.

Long-term Benefits: Rotherham Gateway is part of the Wider Masterplan. The Masterplan includes plans to create a wider regeneration of the Borough, more specifically long term, an Innovation Campus is proposed. The Innovation Campus, alongside the other phases of the Masterplan, will increase the use of public transport and private cars, however Rail and Tram use emits far fewer greenhouse gases (GHG) and nitrogen oxides (NOx) per passenger kilometre compared to private vehicles. Increased public transport connectivity and use via Rotherham will therefore contribute to lower overall emissions in the Borough.

Supporting information:

Climate Impact Assessment Author	Laura Dryden Project Support Officer Regeneration Regeneration and Environment
Please outline any research, data or information used to complete this Climate Impact Assessment.	
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.	
Validation	Tracking Reference: 570 Arthur King Principle Climate Change Officer