

Climate Change Impact Assessment Summary

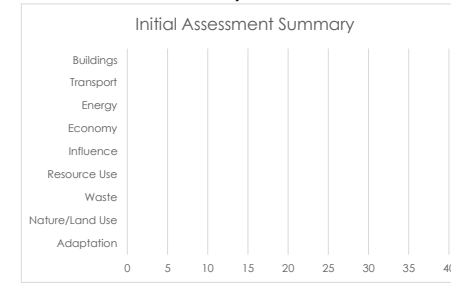
Project/Proposal Name	Growth Framework and Growth Plan	Portfolio	City Futures
Committee	Strategy and Resources	Lead Member	Cllr Tom Hunt
Strategic Priority	Clean Economic Growth	Lead Officer	Andy Kempster
Date CIA Completed		CIA Author	Jen Rickard
		Sign Off/Date	

Project Description and CIA Assessment Summary	<p>The city neither has a growth plan nor a coherent narrative on growth, a gap this work is attempting to address. The Growth Framework will set out the principles and themes to be used as the basis for development of a Sheffield Growth Plan 2023-2035. These principles and themes have been developed through engagement with stakeholders in the city, building upon the engagement that took place with the City Goals.</p> <p>The Growth Framework will be considered by Strategy and Resources Committee in March 2024. The Sheffield Growth Plan will be developed by late Summer 2024.</p> <p>Sheffield City Council having declared climate and nature emergencies and having a target to see both the city and council greenhouse gas emissions reduce to net zero by 2030 is important context; the Growth Plan will be an adopted strategy for the city and as such will help to drive and join-up activity to address climate change and reduce emissions. It is not possible to accurately quantify the impacts of the high level objectives set out in the initial phase of the Growth framework, but one of the principles of the Growth Framework is to 'Meet our climate ambitions and readiness' and one of the three themes of the framework is 'Our Economy: Global, Green and Growing' in particular have the potential to have a positive impact on how the city responds to the climate emergency.</p>
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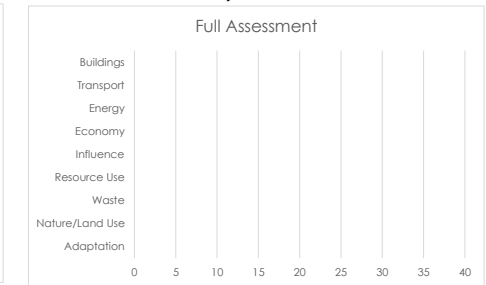
Rapid Assessment	Does the project or proposal have an impact in the following areas? Select all those that apply. Only complete the sections you have selected here in the assessment.		
Buildings and Infrastructure	Yes	Influence	Yes
Transport	Yes	Resource Use	No
Energy	Yes	Waste	No
Economy	Yes	Nature/Land Use	Yes
		Adaptation	Yes

[Chesterfield Borough Council Climate Impact Assessment Tool provided inspiration for this tool.](#)

Initial Assessment Summary



Full Assessment Summary



>=27	The project will increase the amount of CO2e released compared to before.
21-26	The project will maintain similar levels of CO2e emissions compared to before.
12-20	The project will achieve a moderate decrease in CO2e emissions compared to before.
3-11	The project will achieve a significant decrease in CO2e emissions compared to before.
0-2	The project can be considered to achieve net zero CO2e emissions.

Initial Assessment

Category	Impact	Description of Project Impact	Score
Buildings and Infrastructure	Construction	Successful delivery of the Growth Plan is likely to result in more construction, with the Growth Framework highlighting the Advanced Manufacturing Research Centre, Sheffield Olympic Legacy Park, Innovation District and the Investment Zone as examples of developments that will support economic growth. In addition to this, the Growth Framework refers to plans to deliver 20,000 homes in the city centre and 36,000 homes across the city in our Housing Growth Delivery Plan. However, the Growth Framework as a first step towards the Growth Plan contains important commitments on climate: one of its principles is to 'Meet our climate ambitions and readiness'. Therefore potential impacts of new construction could be at least be partially mitigated by high sustainability standards on new development, including on-site renewable energy generation and connection to low-carbon heat sources such as a heat network and reuse of existing buildings.	Unknown
	Use	The Growth Framework and Growth Plan do not include this level of detail on building use, although with one of its principles being to 'Meet our climate ambitions and readiness' it is unlikely the impact would significantly increase CO2e.	Unknown
	Land use in development	See 'Construction' above. One of the three themes of the Growth Framework is 'Growing our Neighbourhoods Together' which recognises the importance of nature and outdoor space and creating public realms people are proud of. Opportunities to align this with the development of the Our Land Decarbonisation Routemap will also be explored. Delivering against this theme will help to contribute towards Co2e.	Unknown
Transport	Demand Reduction	The Growth Framework and Growth Plan do not directly address reduction in transport demand. The Growth Framework refers to the delivery of a refreshed Transport Strategy that supports growth and provides connections to jobs to key economic sites across the city. This the potential to have either positive or negative impacts for decarbonisation depending on how it is implemented: decarbonising the transport system requires reducing the number of car journeys, as well as those journeys that do take place being taken in vehicles run without fossil fuels. However, increasing travel by public transport and making walking, cycling and wheeling easier and safer will increase transport options for all.	Unknown
	Decarbonisation of Transport	As above on 'Demand Reduction'	Unknown
	Public Transport	The Growth Framework refers to the delivery of a refreshed Transport Strategy that sets out plans to improve bus and tram patronage and connectness. Successful delivery of this will result in a positive impact on CO2E levels.	Unknown
	Increasing Active Travel	The Growth Framework refers to the delivery of further Active Travel infrastructure across the city. It is anticipated that this will result in a reduction in car trips which would have positive impact on CO2e levels.	Unknown
Energy	Decarbonisation of Fuel	As noted in 'Construction' new developments will be encouraged to include high sustainability standards that will support decarbonisation of fuel (e.g. utilising alternative heating such as a heat network or ASHP, rather than nat. gas.) As noted above in transport / active travel, the Growth Framework refers to both a refreshed Transport Strategy and	Unknown
	Demand Reduction/Efficiency Improvements	As noted in 'Construction' new developments will be encouraged to include high sustainability standards that will create buildings that are highly energy efficient and that connect to a local heat network where available or utilise low	Unknown
	Increasing infrastructure for renewables generation	The Growth Framework contains important commitments on climate: one of its principles is to 'Meet our climate ambitions and readiness'. It should therefore ensure that developments (buildings and other assets) consider the opportunity for increasing infrastructure for renewable energy generation to help mitigate CO2e created during	Unknown
Economy	Development of low carbon businesses	One of the three themes of the framework is 'Our Economy: Global, Green and Growing', which highlights the opportunity Sheffield has to grow its green economy. Key to this, and highlighted in the framework, is provision of business support to help start-ups grow and scale-up, investment in green skills through the city's Employment and Skills Strategy and the Business Decarbonisation Routemap. Successful delivery of these interventions will help to support the	Unknown
	Increase in low carbon skills/training	One of the three themes of the framework is 'Our Economy: Global, Green and Growing', which highlights the opportunity Sheffield has to grow its green economy. Key to this, and highlighted in the framework, is the delivery of the city's forthcoming Employment and Skills strategy. The successful delivery of this strategy will lead to an increase in low carbon skills and training.	Unknown
	Improved business sustainability	One of the Growth Framework's principles is to 'Meet our climate ambitions and readiness'. The Growth Framework references the Business Decarbonisation Routemap as a key tool that will support businesses transition to a low-carbon economy. Successful delivery of this outcomes will have a positive impact on business sustainability.	Unknown

10	The project will significantly increase the amount of CO2e released compared to before.
9	The project will increase the amount of CO2e released compared to before.
8	The project will maintain similar levels of CO2e emissions compared to before.
7	
6	The project will achieve a moderate decrease in CO2e emissions compared to before.
5	
4	
3	The project will achieve a significant decrease in CO2e emissions compared to before.
2	
1	The project can be considered to achieve net zero CO2e emissions.
0	
Carbon Negative	The project is actively removing CO2e from the atmosphere.

Progress Towards Net Zero



Influence	Awareness Raising	The Growth Framework and Growth Plan will be important strategic documents for SCC provide clear messaging for potential investors, our partners in the city and citizens on what Sheffield is trying to achieve and how it will do it. In having one of five principles stating that we will 'Meet our climate ambitions and readiness', and one of the three themes of the framework being 'Our Economy: Global, Green and Growing' the Growth Plan sets out the importance of	Unknown
	Climate Leadership	As above on 'Awareness Raising'. The Growth Plan will be a high profile adopted strategy for SCC and by setting out commitments over the short, medium and long-term, a key tool for supporting partnership working over the next 11 years.	Unknown
	Working with Stakeholders	Engagement so far on the Growth Framework has involved 65 stakeholders and 9 workshops, the vast majority of whom were partners external to SCC. This engagement will continue as the Growth Plan develops. One of the principles of the Growth Framework, set out in the S&R report, is 'We work in partnership with the city including community, voluntary, public, private, regional and national bodies and organisations', recognising that future strategies need to utilise and work with business and community groups and build on successful partnerships. This is particularly	Unknown

Resource Use	Water Use	The Growth Plan does not directly address water use.	NA
	Food and Drink	The Growth Framework references work to develop sustainable urban food industry strategies to support local sourcing and agri-business. These strategies, if successfully delivered, will have a positive impact on sustainability of the local food industry.	Unknown
	Products	The Growth Plan does not directly address products.	NA
	Services	The Growth Plan does not directly address services (in terms of resource use).	NA

Waste	Waste Reduction	The Growth Plan does not directly address waste reduction.	NA
	Waste Hierarchy	The Growth Plan does not directly address waste hierarchy.	NA
	Circular Economy	The Growth Plan does not directly address the circular economy.	NA

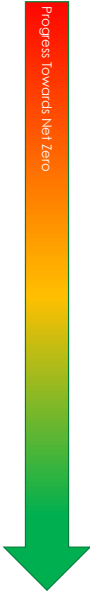
Nature/Land Use	Biodiversity	One of the three themes of the Growth Framework is 'Grwning our Neighbourhoods Together' which recognises the importance of nature and outdoor space. This theme has the potential to have positive impacts on biodiversity. The Growth Framework references the development of the Nature Recovery Strategy that supports outside groups	Unknown
	Carbon Storage	The Growth Plan does not directly address carbon storage, however Opportunities to align this with the development of the Our Land Decarbonisation Routemap will also be explored and may provide an opportunity for Growth Plan to expand this.	NA
	Flood Management	The Growth Plan will include commitments around flood management and delivery, the delivery of which will have a positive impact on this area.	Unknown

Adaptation	Exposure to climate change impacts	As part of the engagement for the Growth Framework, climate change impacts came out as a strong theme and an area of challenge and opportunity. Placing the city's climate ambitions as a key part of the Growth Plan reflects this feedback and gives SCC and partners impetus to address the impacts.	Unknown
	Vulnerable Groups	The impact of climate change or adaptation on vulnerable groups is not directly addressed by the Growth Plan, although the Growth Framework does state that 'Strategies and policies shouldn't leave any communities behind' which will link to how the city protects groups particularly vulnerable to the impacts of climate change.	Unknown
	Just Transition	Within the Growth Framework, under the priority to 'Meet our climate ambitions and readiness', the report states the Growth Plan will involve 'ensuring businesses and individuals have the right support as the city transitions to a low carbon economy.' It also states that 'Strategies and policies shouldn't leave any communities behind', supporting the idea of a just transition.	Unknown

Full Assessment

Category	Impact	Description of Project Impact	Mitigation Measures	Mitigated Score	Procurement Action Required?	Proposed KPI/Measure
Buildings and Infrastructure	Construction					
	Use					
	Land use in development					
Transport	Demand Reduction					
	Decarbonisation of Transport					
	Public Transport					
	Increasing Active Travel					
Energy	Decarbonisation of Fuel					
	Demand Reduction/Efficiency Improvements					
	Increasing infrastructure for renewables generation					
Economy	Development of low carbon businesses					
	Increase in low carbon skills/training					
	Improved business sustainability					
Influence	Awareness Raising					
	Climate Leadership					
	Working with Stakeholders					
Resource Use	Water Use					
	Food and Drink					
	Products					
	Services					

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0	
Carbon Negative	The project is actively removing CO2e from the atmosphere.



Waste	Waste Reduction					
	Waste Hierarchy					
	Circular Economy					
Nature/Land Use	Biodiversity					
	Carbon Storage					
	Flood Management					
Adaptation	Exposure to climate change impacts					
	Vulnerable Groups					
	Just Transition					

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