

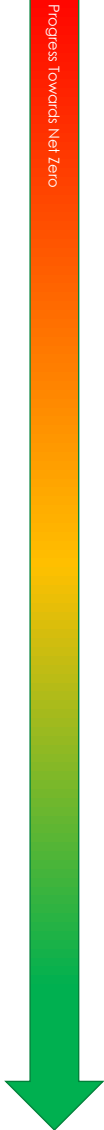
Initial Assessment

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 Plan refers to plans to deliver 20,000 homes in the city centre and 35,000 homes across the city in our Housing Growth Delivery Plan. The Growth Plan contains important commitments on climate: one of its principles is to 'Meet our environmental and climate ambitions'. Therefore potential impacts of new construction could be at least be partially mitigated by encouraging reuse of existing buildings and high sustainability standards on new development, including on-site renewable energy generation and connection to low-carbon heat sources such as a heat network.□	Unknown
	Use	The Growth Framework and Growth Plan do not include this level of detail on building use.	Unknown
	Land use in development	Whilst the conversion of land to settlements accounts for significant green house gas emissions, the principles within the Growth Framework and Plan, alongside the Local Plan principles around minimising use of green belt land for development and encouraging densification and minimising urban sprawl should minimise emissions whilst supporting growth.	Unknown

Transport	Demand Reduction	The Growth Framework and Growth Plan do not directly address reduction in transport demand. One of the four missions within the Growth Plan is 'A city on the move, connected with the infrastructure to grow', with dsuB themes relating to public transport and active travel. The plan also 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 has 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'. One of the four missions within the Growth Plan is 'A city on the move, connected with the infrastructure to grow', with sub themes relating to public transport, active travel and low emission travel.	Unknown
	Public Transport	One of the four missions within the Growth Plan is 'A city on the move, connected with the infrastructure to grow', with sub themes relating to public transport, active travel and low emission travel. The Growth Plan 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	One of the four missions within the Growth Plan is 'A city on the move, connected with the infrastructure to grow', with sub themes relating to public transport, active travel and low emission travel. The Growth Plan 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 natural gas). As noted above in transport / active travel, the Growth Plan refers to both a refreshed Transport Strategy and active travel infrastructure to support the reduction in ICE vehicles trips.	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 carbon sources such as ASHP.	Unknown
	Increasing infrastructure for renewables generation	The Growth Plan contains important commitments on climate: one of its principles is to 'Meet our environmental and climate ambitions'. 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 construction and provide resilient, decarbonised and decentralised energy systems	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.



Economy	Development of low carbon businesses	One of the four themes of the Growth Plan is 'Our Economy: Global, Green and Growing', which highlights the opportunity Sheffield has to grow its green economy. One of the sub-themes within this mission is for Sheffield to 'Be a global demonstrator in the journey to net zero and climate resilience'. Key to this, and highlighted in the plan, 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 development of low carbon businesses.	Unknown
	Increase in low carbon skills/training	One of the four themes of the Growth Plan 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 Plan's principles is to 'Meet our environmental and climate ambitions'. 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 routemap will have a positive impact on business sustainability.	Unknown

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 environmental and climate ambitions', and one of the four missions of the plan being 'Our Economy: Global, Green and Growing', the Growth Plan sets out the importance of climate and the green economy to Sheffield, raising awareness of the challenges and opportunities the city faces.	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 10 years.	Unknown
	Working with Stakeholders	Engagement on the Growth Framework has involved 65 stakeholders and 9 workshops, with further engagement taking place on the draft Growth Plan. This second phase involved over 20 sessions with a range of stakeholders including a consultation group of several climate and sustainability organisations, brought together by SY Climate Alliance. One of the principles of the Growth Plan, set out in the S&R report, is ' We will work in partnership together with the community, voluntary, public and private sector to get things done', recognising that future strategies need to utilise and work with business and community groups and build on successful partnerships. This is particularly relevant to issues around climate and adaptation.	Unknown

Resource Use	Water Use	The Growth Plan does not directly address water use but increasing growth, particularly in manufacturing sectors, is likely to increase water usage.	NA
	Food and Drink	The Growth Plan does not directly address food and drink but acknowledges the role that the food and drink sector play in the economy.	Unknown
	Products	The Growth Plan does not directly address products but increasing growth, particularly in the manufacturing sector, is likely to increase the resources used to create products. Supporting circular economy models can mitigate these emissions. Increased prosperity is often accompanied by increasing consumption which may lead to increased emissions	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	The Growth Plan references the development of the Nature Recovery Strategy that supports sustainable growth, biodiversity, ecology and nature resilience. The introduction of requirements for developments to have a net biodiversity gain should mitigate any negative impacts of development on nature and biodiversity.	Unknown
	Carbon Storage	The Growth Plan does not directly address carbon storage.	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 and Growth Plan, climate change impacts came out as a strong theme and an area of challenge and opportunity. This was strengthened in the final version of the Growth Plan. 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 one of its principles is 'Fair and prosperous for all' stating 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 changes	Unknown
	Just Transition	Within the Growth Plan, under the principle to 'Meet our environmental and climate ambitions', it 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

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