

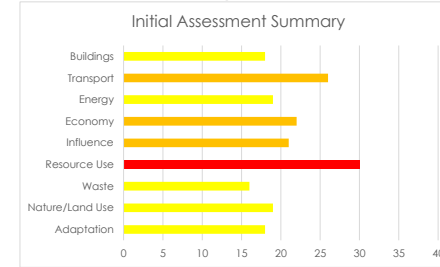
Climate Change Impact Assessment Summary

Project/Proposal Name	Sheffield Housing Strategy 2024-34	Portfolio	Place
Decision Type		Lead Member	
One Year Plan Area	Communities and Neighbourhoods	Lead Officer	Rachael McGown
Date CIA Completed	22-Aug-24	CIA Author	Rachael McGown
		Sign Off/Date	

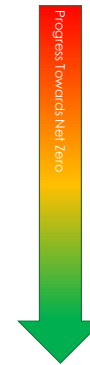
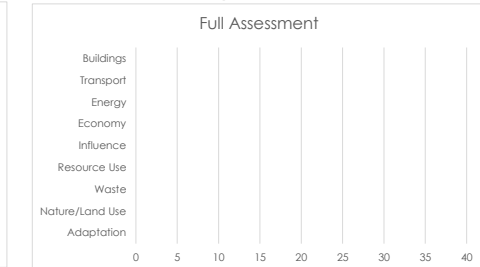
Project Description and CIA Assessment Summary	<p>The Housing Strategy is a keystone document for the Council, shaping thinking and influencing decision making in housing across Sheffield for the next decade, it covers all the city and all tenures.</p> <p>We are not required by government to have a Housing Strategy, but a strategy document sets out the long-term strategic direction for housing planning, development, investment and policy over the next decade.</p> <p>A third of the city's total carbon emissions come from housing. To address this the Strategy sets an ambition that 'Housing carbon emissions will have been reduced to net zero by 2030'. This ambition includes priorities to develop a residential net zero plan, build skills and capacity in the green sector, raise awareness about reducing carbon emissions, prioritising the most vulnerable to climate change and supporting climate and flood resilience.</p> <p>Sheffield also has many properties with solid walls, cavity walls and lofts or roofs that are uninsulated, leading to increased damp and mould, increased heat and energy demand and increased running costs. The Strategy has the further ambition to make sure the city has 'Safe, good quality and comfortable homes' and to do this significant investment will be needed in the private and owner-occupied sectors to address housing hazards. The wider housing sector will therefore need to come together to drive forward innovative approaches, the trialling of new technologies and sharing of expertise.</p> <p>It is important to note that the Strategy itself is high-level and does not directly reduce emissions. Delivery will be via existing and new junior housing strategies, delivery plans and key policies that will be shaped by the vision, ambitions, and priorities set out within the Strategy.</p> <p>Delivery of some priorities within the Strategy may lead to a moderate increased climate impact as a standalone</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	Yes
Energy	Yes	Waste	Yes
Economy	Yes	Nature/Land Use	Yes
		Adaptation	Yes

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

Housing Strategy 2024-34

Category	Impact	Description of Project Impact	Score
Buildings and Infrastructure	Construction	<p>The Housing Strategy will support the delivery of the corporate priority for the city to meet net zero by 2030.</p> <p>New homes – The Housing Strategy confirms the city's commitment to ensuring all new homes are built to national regulation standards. The Future Homes Standard Building Regs Update 2025 requires all new build homes to be net-zero ready from 2025 onwards. Throughout the planning process the Council will strive for all new homes to be built to the highest possible design and sustainability standards.</p> <p>Existing homes – A residential net zero plan will be developed for all housing in the city, setting out how we will attract strategic investment to encourage and deliver installation of insulation and ventilation to best prepare homes for modern systems when the market can supply them.</p> <p>Sheffield has a higher proportion of properties in the lowest bands F-G than the England average. These are mainly in the private sector and 24% of private rented are in the lowest bands. The Housing Strategy has a priority to improve quality and safety standards across all homes, including in the private sector, using evidence to prioritise action and investment in the worst homes.</p>	6
	Use	The detail of the design standards for new build housing will be developed as the different sites move through the planning stages in line with the 2022 Future Homes Building Standard 2025. The 2022 Building Regulations now require all new homes to have at least 1 EV charging point. They will also consider construction and infrastructure elements such as green spaces and facilities.	6
	Land use in development	<p>In line with the Draft Local Plan, the Housing Strategy will prioritise new housing development on existing brown field sites to reduce the environmental impact on green field sites and the green belt. The Draft Local Plan also sets the requirement for SuDs to be used all new developments where viable.</p> <p>The Strategy has a priority to support climate and flood resilience through better green and blue infrastructure around Sheffield's homes, protecting ecological sites and encouraging measures which restore and enhance nature, reduce the air temperatures, and improve the liveability of our urban neighbourhoods including sustainable urban drainage (SuDS), and contributing to the implementation of the Flood Protection Programme.</p>	6
Transport	Demand Reduction	The Housing Strategy will make neighbourhood assets work better for the whole community through multiagency approaches at a neighbourhood and citywide level, ensuring play, social spaces, transport and buildings are suitable, well used and cared for.	6
	Decarbonisation of Transport	The Housing Strategy supports the corporate priority for the City to meet net zero by 2030. The June 2022 Building Regulations require the provision of at least 1 EV charging points for electric cars when building new homes, helping to contribute to the decarbonisation of transport.	6
	Public Transport	The Strategy aims to help create connected places through making neighbourhood assets work better for the whole community including transport.	8
	Increasing Active Travel	The Housing Strategy reflects the commitments of the Draft Local Plan to accelerate the delivery of new, well-connected homes in and around the city centre. This will reduce the demand for transport as new homes will be in easy access of a range of services by foot and by bike.	6

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	
5	
	The project will achieve a moderate decrease in CO2e emissions compared to before.
4	
3	

Progress Towards Net Zero

Energy	Decarbonisation of Fuel	<p>The Housing Strategy will support the corporate priority for the city to meet net zero by 2030. The Future Homes Standards 2025 requires all new build homes to be net-zero ready from 2025 onwards. The Strategy prioritises utilising our existing resources such as the heat networks, and exploring strategic energy generation and investment opportunities when the market can supply them economically.</p> <p>The Strategy will improve the understanding and awareness of green technology to help reduce carbon emissions and prioritise vulnerable households in the delivery of decarbonisation.</p>	6
	Demand Reduction/Efficiency Improvements	There is likely to be increased energy demand through the delivery of new homes, but the new developments will look to use energy efficiency measures to help achieve the Future Homes Building Standard 2025. The initiatives outlined in the section above will help to achieve reduced demand for energy through energy efficiency improvements.	7
	Increasing infrastructure for renewables generation	<p>The Housing Strategy aims to retrofit existing homes to be low emission and resilient to a changing climate, and ensure our new homes are built to a high sustainability standard. From 2025 the Future Buildings Standard requires the use of PV on new development and for at least 1 electric charging point to be provided.</p> <p>An expansion and renewal of our district heating network for homes and businesses and exploring energy generation are key parts of our decarbonisation approach.</p>	6

Economy	Development of low carbon businesses	<p>The housing sector will need to continue to adapt to operate effectively in a changing climate, responding to new opportunities in technology, investment, and legislation which will also provide excellent opportunities for training, employment and business growth.</p> <p>The Housing Strategy has a priority to build the skills and capacity to deliver our net zero ambition by encouraging a diverse and inclusive workforce in the sector. This will reflect local communities and fairly share the benefits of business growth, new skills, and jobs.</p>	7
	Increase in low carbon skills/training	The Housing Strategy has a priority to build the skills and capacity to deliver our net zero ambition by encouraging a diverse and inclusive workforce in the sector. This will reflect local communities and fairly share the benefits of business growth, new skills, and jobs.	7
	Improved business sustainability	The Strategy will encourage added social value, including the creation of employment and training opportunities for local people, aiming for maximum local benefit from investment in the housing sector.	8

Influence	Awareness Raising	Improving understanding and awareness of net zero and promoting the opportunities to help reduce carbon emissions is a key priority in the Strategy, as well as developing the Warm Homes Sheffield website and promotional campaigns to reach out to landlords, homeowners, tenants, and partners.	7
	Climate Leadership	The Housing Strategy is a Tier 1 Strategy so will be used to raise awareness of climate issues and the role that housing plays in meeting the Council's net zero ambitions.	7
	Working with Stakeholders	<p>The Housing Strategy has been developed with partners. The first phase of consultation for the Strategy asked the public about their attitudes to making homes more energy efficient and what support is needed. Stakeholders from the energy sector fed back on the draft Strategy and their comments were considered.</p> <p>Delivering the ambitions for housing will require collaboration to make the most of resources, skills and expertise. It will also require the commitment and action of the housing sector partners, stakeholders and communities across Sheffield to come together to make our homes and neighbourhoods places where people choose to live and can thrive.</p>	7

2	The project will achieve a significant decrease in CO2e emissions compared to before.
1	
0	The project can be considered to achieve net zero CO2e emissions.
Carbon Negative	The project is actively removing CO2e from the atmosphere.



Resource Use	Water Use	The Housing Strategy outlines the ambition to deliver more homes. Water use will increase due to increased density of housing, however measures to try and recycle water will be explored. The Draft Local Plan limits wholesome water use in new buildings limited to 110 litres per person per day.	6
	Food and Drink	Increased number of homes will lead to increased population and therefore more food and drink consumption.	9
	Products	Increased number of homes will lead to increased population and therefore more product consumption.	9
	Services	The Housing Strategy outlines the ambition to deliver more homes. This will increase the demand for services. However, the Housing Strategy will reflect the commitments of the Draft Local Plan to accelerate the delivery of new well-connected homes in and around the city centre. This will reduce the demand for transport as new homes will be in easy access of a range of services by foot and by bike.	6

Waste	Waste Reduction	The Strategy will prioritise the delivery of new homes. The Draft Local Plan seeks sustainable building design, advocating the use of sustainable building materials, the reuse of existing buildings where possible, the creation/ restoration of habitats that absorb carbon (e.g. wetlands, woodland) and expecting all developments to incorporate features such as passive solar design and water efficiency measures (e.g. grey water recycling and rainwater harvesting). The policies promote waste minimisation and the maximising of recycling during construction and operation. The Draft Local Plan also sets the requirement for SUDs and attenuation tanks to be used for all new developments where viable.	8
	Waste Hierarchy	Please see Waste Reduction.	
	Circular Economy	Please see Waste Reduction.	8

Nature/Land Use	Biodiversity	New housing developments will need to achieve a minimum of 10% BNG from Autumn 2023.	5
	Carbon Storage	The Housing Strategy supports climate and flood resilience through better green and blue infrastructure around Sheffield's homes.	6
	Flood Management	Flood risk may increase due to new developments. The Draft Local Plan sets the requirement for SUDs and attenuation tanks to be used for all new developments where viable. Green infrastructure for housing areas will prioritise work that supports flood resilience.	8

Adaptation	Exposure to climate change impacts	One of the key objectives of the Housing Strategy will be to increase the number of safe energy efficient homes. This includes helping to make sure that people live in homes that can be kept warm in the winter and cooler in the summer. A range of measures will be championed in the Housing Strategy to increase insulation and energy efficiency of homes as outlined in the CIA.	6
	Vulnerable Groups	Key indicators show clear spatial difference in Sheffield and a stark difference in outcomes for people who live in different parts of the city, come from different backgrounds or who share different characteristics. Almost a quarter of our population is living in areas that are in the 10% most deprived nationally. Lower income households are most likely to be living in the lowest quality homes and within Sheffield a high proportion of households from Black, Asian, and Minoritised Ethnic backgrounds live in areas of the city which have higher levels of homes with excess cold hazards. These households are likely to be most impacted by the effects of climate change and have the least ability to respond. The Strategy will prioritise vulnerable households, supporting fair and inclusive decarbonisation that is led by local communities and reflects the diverse needs of our communities and neighbourhoods.	6

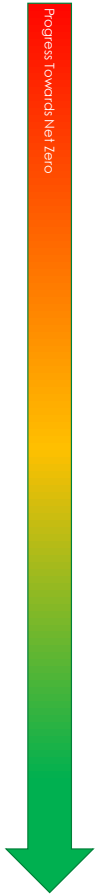
Just Transition	<p>The city's social housing stock needs significant investment to meet the Decent Homes Standard, which is the current minimum standard it must achieve.</p> <p>However, we know that private housing is in a worse condition than social, 80% of owner-occupied homes and 70% of private rented properties have an EPC rating of D and below.</p> <p>Significant investment is in this sector to address housing hazards with the potential to cause serious harm. It is recognised that not all owner occupiers need help to make informed decisions about maintenance or safety issues in their homes, but it is important that good advice and support is available should homeowners need it.</p>	6
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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					

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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.



Influence	Awareness Raising					
	Climate Leadership					
	Working with Stakeholders					

Resource Use	Water Use					
	Food and Drink					
	Products					
	Services					

Waste	Waste Reduction					
	Waste Hierarchy					
	Circular Economy					

Nature/Land Use	Biodiversity					
	Carbon Storage					
	Flood Management					

Adaptation	Exposure to climate change impacts					
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Vulnerable Groups					
Just Transition					