

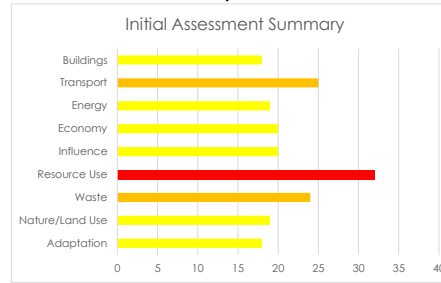
Climate Change Impact Assessment Summary

Project/Proposal Name	Housing Strategy	Portfolio	Operational Services
Committee	Strategy and Resources	Lead Member	Tom Hunt
Strategic Priority		Lead Officer	Suzanne Allen
Date CIA Completed	10/05/24	CIA Author	Jack Hewitt, Ruth Ward
		Sign Off/Date	

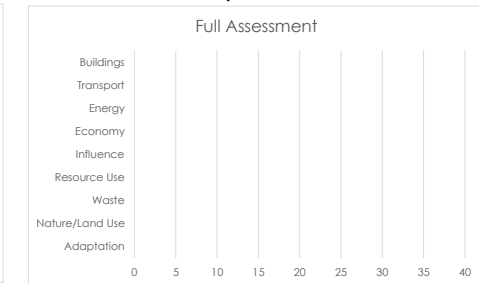
Project Description and CIA Assessment Summary	<p>The Housing Strategy sets out the city's housing priorities for the next ten years. The key climate related impact arising from the Housing Strategy is contained within the stated ambition that housing carbon emissions will have been reduced to net zero by 2030.</p> <p>The Strategy sets out several priorities to achieve this, which are key to the impact assessment. Through the Strategy, the Council will work with partners to:</p> <ol style="list-style-type: none"> 1. Develop a residential net zero plan for all housing in the city, setting out how we will utilise our existing resources such as the heat networks, explore energy generation opportunities and encourage installation of insulation and ventilation to best prepare homes for modern systems when the market can supply them economically. 2. Build the skills and capacity to deliver our ambition, encouraging a diverse and inclusive workforce in the sector, which reflects our local communities and fairly shares the benefits of business growth, new skills and jobs. 3. Improve understanding and awareness, promoting and supporting the opportunities to reduce carbon emissions, developing the Warm Homes Sheffield website and promotional campaigns to reach out to landlords, homeowners, tenants, and partners. 4. Prioritise vulnerable households delivering fair and inclusive decarbonisation that is led by local communities and reflects the diverse needs of our communities and neighbourhoods. 5. Support climate and flood resilience through better green infrastructure around Sheffield's homes, protecting ecological sites and encouraging measures which supports nature, reduces the air temperatures and improves the liveability of our urban neighbourhoods including sustainable urban drainage (SUDS), and contributing to the implementation of the Flood Protection Programme. <p>The Climate Impact Assessment indicates that the Housing Strategy will achieve a moderate decrease in CO2e emissions compared to before across most areas. The drive to build more homes will increase resource usage, however this brings other benefits through connectivity, and benefits for the green economy. It is important to note that the Strategy itself is high-level, and that delivery will be via series of action plans. The plans will be shaped by the vision, ambitions, and priorities set out within the strategy.</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

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. This is reflected in the draft ambition that housing carbon emissions will have been reduced to net zero by 2030, and the vision that everyone in the city has a home that is ready for a changing climate. The Residential Net Zero plan will set out the steps to achieving carbon neutral status for homes of all tenure types across the city.</p> <p>New homes – The Future Homes Standards 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 the best standard of new homes across all tenures to support the Council’s ambitions to improve the quality, safety and thermal efficiency of new build homes to achieve net zero in the city by 2030. This ambition will be reflected in the Housing Strategy, and will be prioritised when the Strategy is delivered.</p> <p>Existing council homes – The Residential Net Zero plan will act as a delivery mechanism for the Housing Strategy, setting out the plan to make Council homes net zero, this includes bringing the estimated 6,900 homes that are below EPC level C up to a minimum of EPC level C by 2030.</p> <p>Existing private homes - Sheffield has a higher proportion of properties in the lowest bands F-G than the England average, which are mainly in the private sector, 24% of private rented are in the lowest bands. Evidence will be used to prioritise action in the worse performing homes and most vulnerable households.</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 building regulations and Future Homes Building Standard 2025. The 2022 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	In line with the Draft Local Plan, the Housing Strategy will prioritise new housing development within the city centre, and 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. The Housing Strategy will support climate and flood resilience through better green infrastructure around Sheffield’s homes, protecting ecological sites and encouraging measures which supports nature, reduces the air temperatures and improves the liveability of our urban neighbourhoods including sustainable urban drainage (SUDS), and contributing to the implementation of the Flood Protection Programme.	6
Transport	Demand Reduction	The Housing Strategy will reflect the commitments of the Draft Local Plan and the Central Area Strategic 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.	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. Consultation will be undertaken with Transport colleagues during the delivery of the Strategy and in the construction of new homes.	6
	Public Transport	The Housing Strategy will encourage connected lifetime neighbourhoods where people can interact, support each other, and reduce social isolation. Part of this will be to ensure appropriate public transportation in neighbourhoods. Consultation will be undertaken with Transport colleagues during the delivery of the Strategy and in the construction of new homes.	7
	Increasing Active Travel	The Housing Strategy will reflect the commitments of the Draft Local Plan and the Central Area Strategic 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
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 Building Regs Update 2025 requires all new build homes to be net-zero ready from 2025 onwards. Renewables and alternative heating systems such as air source heat pumps will have a part to play in organisation achieving this. The Council is moving to the use of heat pumps from gas boilers and the addition of PV to meet the Future Homes Standard 2025.</p> <p>The residential net zero plan will set out how we will utilise our existing resources such as the heat networks, explore energy generation opportunities and encourage installation of insulation and ventilation to best prepare homes for modern systems when the market can supply them economically.</p> <p>The Council housing investment programme will consider energy generation capability for existing stock, where technically and financially feasible such as photovoltaic panels, air, and ground source heat pumps.</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 residential net zero plan will help to achieve reduced demand for energy through energy efficiency improvements. The Housing Strategy will commit to the Council’s net zero goals, which will influence decision making in the delivery stage.	7

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	
2	The project will achieve a significant decrease in CO2e emissions compared to before.
1	



Progress Towards Net Zero

Increasing infrastructure for renewables generation	Through the residential net zero plan we will explore energy generation opportunities and encourage installation of insulation and ventilation to best prepare homes for modern systems when the market can supply them economically. The Council Housing Investment Programme will consider energy generation capability for existing stock, where technically and financially feasible such as photovoltaic panels, air, and ground source heat pumps.	6
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0	The project can be considered to achieve net zero CO2e emissions.
Carbon Negative	The project is actively removing CO2e from the atmosphere.



Economy	Development of low carbon businesses	The Housing Strategy will act as a delivery tool for the Regional Strategic Economic Plan, providing direction for the type and tenure of homes needed to help provide a balanced housing offer and attract and retain businesses and their workforce. The Strategy will build the skills and capacity to deliver our ambitions relating to net zero, encouraging a diverse and inclusive workforce in the sector, which reflects our local communities and fairly shares the benefits of business growth, new skills and jobs. The Strategy will set a long term strategic vision for the city. By providing more homes and housing choice that help provide a balanced housing offer, this will allow business to better attract and retain their workforce. The commitment to net zero within the Strategy provides long term reassurance, allowing for business to invest in green technology and opportunities with greater confidence.	7
	Increase in low carbon skills/training	The Housing Strategy will provide direction for the type and tenure of homes needed to help provide a balanced housing offer and attract and retain businesses and their workforce. Through the delivery of Strategy, we will build the skills and capacity to deliver our ambitions relating to net zero, encouraging a diverse and inclusive workforce in the sector, which reflects our local communities and fairly shares the benefits of business growth, new skills and jobs.	7
	Improved business sustainability	Increased housing supply can facilitate growth in our economy. We want local people and businesses to benefit through employment, training and procurement principles that add social value in the housing sector and this will be reflected as a priority within the Housing Strategy. Opportunities to develop skills vital to the green economy will be facilitated by the Housing Strategy's commitment to net zero, in turn influencing development of new homes.	6

Influence	Awareness Raising	Housing's role in meeting zero carbon targets will be a theme that is embedded throughout the draft Housing Strategy. For example, via the key ambition that Housing carbon emissions will have been reduced to net zero by 2030, and the vision that everyone has a home that is ready for a changing climate. Through the commitment to reaching net zero, awareness will be raised about the importance of sustainable approaches to delivering new housing.	6
	Climate Leadership	The Housing Strategy is a corporate priority and so will be used to raise awareness of climate issues and the role that housing plays in meeting the council's net zero ambitions. Knowledge, understanding and awareness will be promoted via communication campaigns to reach landlords, homeowners, tenants and partners, along with a Warm Homes Sheffield website. There will be a clear commitment within the ambitions of the Strategy that is in line with the Council's net zero goal.	7
	Working with Stakeholders	The Housing Strategy will be developed and delivered jointly with our key partners. The initial consultation for the Strategy asked the public about their attitudes to making homes more energy efficient and what support is needed. This initial consultation demonstrated weaker support for the net zero related ambition, with responses relating to how achievable this was, and how far it should be priorities compared to, for example, affordability. Further consultation work will be undertaken to consider how this can be best approach with residents. Stakeholders from the energy sector have been invited onto the Strategy's stakeholder group to give input into the priorities and how they can support us to meet carbon zero - this will continue through the delivery of the Strategy over the next ten years.	7

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.	8
	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 and the Central Area Strategic 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 also 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.	8
	Circular Economy	Please see Waste Reduction.	8

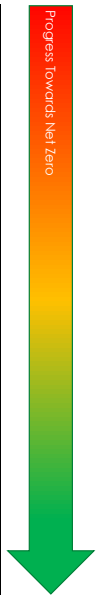
Nature/Land Use	Biodiversity	New housing developments will need to achieve a minimum of 10% BNG from Autumn 2023. Delivery of the Housing Strategy will be in line with this.	5
	Carbon Storage	The Housing Strategy will support carbon storage through better green infrastructure around Sheffield's homes, protecting ecological sites and encouraging measures which supports nature, reduces the air temperatures and improves the liveability of our urban neighbourhoods	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, with the Housing Strategy outlining the priority to implement sustainable urban drainage, and contributing to the implementation of the Flood Protection Programme. Green infrastructure for housing areas will prioritise work that supports flood resilience and introduce flood resistant planting where appropriate.	8

Adaptation	Exposure to climate change impacts	Included in the vision for the Strategy will be that everyone in Sheffield has a home that is ready for a changing climate. In tandem with delivering more homes, therefore, it will be key 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	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. The Strategy will aim to ensure that our diverse communities have equal access to affordable safe and warm homes and that everyone is appropriately supported to live healthy independent lives. It is important that barriers are removed for people trying to access housing and housing services, and this will be forefront to our strategic approach. The Strategy will prioritise vulnerable households in delivering fair and inclusive decarbonisation that is led by local communities and reflects the diverse needs of our communities and neighbourhoods. In line with this, the delivery of the Strategy will explore more sustainable ways of supporting decarbonisation work in the private sector to help residents to manage rising fuel bills, including invest-to-save models such as comfort plans.	6
	Just Transition	Council housing tenants will benefit from work to de-carbonise our housing stock and through the delivery of new council homes. 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. The Housing Strategy will reflect that a flexible and opportunistic approach should be taken to improve the energy efficiency of existing private homes. As a high-level strategy, further detail will be included in rolling delivery plans throughout the ten-year lifespan of the Strategy. This will, for example, potentially involve taking a spatial and household led approach to undertaking measures and bidding for funding to ensure the worse properties with most vulnerable households are improved. When delivering the Strategy, we will seek opportunities to work with private landlords to achieve higher standards in the private rented sector. Resources should be used to address the lowest standards in the private rented sector, and this involves the Council taking a proactive approach.	6

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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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	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.



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					