Climate change impact assessment

The purpose of this assessment is to help us understand the likely impacts of our decisions on the environment of North Yorkshire and on our aspiration to achieve net carbon neutrality by 2030, or as close to that date as possible. The intention is to mitigate negative effects and identify projects which will have positive effects.

This document should be completed in consultation with the supporting guidance. The final document will be published as part of the decision making process and should be written in Plain English.

If you have any additional queries which are not covered by the guidance please email climatechange@northyorks.gov.uk

Version 2: amended 11 August 2021

Please note: You may not need to undertake this assessment if your proposal will be subject to any of the following:
Planning Permission
Environmental Impact Assessment
Strategic Environmental Assessment

However, you will still need to summarise your findings in the summary section of the form below.

Please contact climatechange@northyorks.gov.uk for advice.

Title of proposal	Broomfield's Farm Eco-Homes Development
Brief description of proposal	The Broomfield's Farm Eco-Homes development will see the delivery of 49 low carbon affordable homes built on Zone Two of the Broomfield's Farm site in Whitby. The homes will all be affordable – shared ownership or social rented.
Directorate	Community Development
Service area	Regeneration North and East
Lead officer	Kerry Levitt
Names and roles of other people involved in carrying out the impact assessment	
Date impact assessment started	23/09/2024

Options appraisal
Were any other options considered in trying to achieve the aim of this project? If so, please give brief details and explain why alternative options were not progressed.

The Broomfield's Farm project is one of six priority projects chosen to be delivered through the Whitby Town Deal. The council considered a number of other routes to deliver the housing development including a competitively procured contract, partner delivery and purchasing of the land to resell. However, none of these options would have allowed for the deliver of the scheme within the timescales available.

What impact will this proposal have on council budgets? Will it be cost neutral, have increased cost or reduce costs?
Please explain briefly why this will be the result, detailing estimated savings or costs where this is possible.

The project will be delivered by Brierley Homes – a wholly owned subsidiary of North Yorkshire Council - and will receive grant funding from the Government through the Towns Fund. It will not impact on core council budgets. Grant payments to Brierley Homes will be managed by way of a third-party grant agreement prepared by Legal and Democratic Services. A requirement of the grant agreement, and subsidy control regulations, will be for Brierley Homes to provide the council with a full financial appraisal which will be verified by a council appointed Quantity Surveyor (QS). The Council will continue to act as Accountable Body for the Towns Fund money, but any costs incurred by the council in the development and monitoring of the project will be included within the full financial appraisal as a cost charged to Brierley Homes out of the grant amount.

How will this proposal impact on the environment? **N.B. There may be short term negative impact and longer term positive impact. Please include all potential impacts over the lifetime of a project and provide an explanation.**		**Positive impact** (Place a X in the box below where relevant)	**No impact** (Place a X in the box below where relevant)	**Negative impact** (Place a X in the box below where relevant)	**Explain why will it have this effect and over what timescale?** **Where possible/relevant please include:** • **Changes over and above business as usual** • **Evidence or measurement of effect** • **Figures for CO_2e** • **Links to relevant documents**	**Explain how you plan to mitigate any negative impacts.**	**Explain how you plan to improve any positive outcomes as far as possible.**
Minimise **greenhouse gas emissions** e.g. reducing emissions from travel, increasing energy efficiencies etc.	Emissions from travel		**X**		During the construction period there will be an increase in emissions from travel due to increased work activity creating a negative impact. However, once the project is complete, it should provide a positive impact on travel emissions from the installed facilities encouraging the use of electric vehicles and cycling.	Where possible the local supply chain will be used to deliver the project to minimise the amount of travel induced emissions.	Each home will have an EV charging point to encourage the use of electric vehicles to reduce travel emissions and cycle storage to encourage the use of cycling.
	Emissions from construction			**X**	The construction period will temporarily increase emissions due to an increased amount of activity in the area.	A planning and sustainability statement will be submitted which will outline how sustainable construction techniques will be utilised in the proposed development.	

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	Emissions from running of buildings	**X**			The homes on the Broomfield's Farm eco homes development will be sustainable and energy efficient saving up to 90% of carbon emissions compared to a standard housing development. The development aims to save 2776 tonnes of carbon dioxide emissions compared to a standard housing development.		The homes will be built with PV panels, air source heat pumps, higher standards of insulation and ev charging points.
	Emissions from data storage		**X**				
	Other						
Minimise **waste:** Reduce, reuse, recycle and compost e.g. reducing use of single use plastic				**X**	Because these are new homes that will have residents within them, there will be an increase in waste generated from the homes. Although it could be counter balanced that the waste generated is displacement from an existing	Homes will have access to the council's recycling and garden waste collections and will be encouraged to access these through local	

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				property rather than completely new increased waste.	council led campaigns /& advertising of services.	
Reduce **water** consumption			**X**	Because these are new homes that will have residents within them, there will be an increase in water consumption from the homes. Although, it could be counter balanced that the usage is displacement rather than a new increase in water consumption.		
Minimise **pollution** (including air, land, water, light and noise)		**X**		Pollution will temporarily increase during construction due to machinery use. However, the housing development is a low carbon development, and the homes will minimise their impact on pollution to the environment through the use of PV panels and air source heat pumps instead of gas boilers. This long-term positive impact of these homes will offset the short term negative impact.		The homes will be built with PV panels, air source heat pumps, higher standards of insulation and ev charging points.

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Ensure **resilience** to the effects of climate change e.g. reducing flood risk, mitigating effects of drier, hotter summers	**X**			The homes will be built with higher standards of insulation and air permeability which results in less heat loss from the homes in winter thereby keeping them warm with lower use of heating systems and likewise in the summer months, it keeps the homes cooler.		As above.
Enhance **conservation** and wildlife	**X**			The development will plant new wildflower meadows, hedgerows and trees encouraging biodiversity and maintaining habitat for local wildlife.		
Safeguard the distinctive characteristics, features and special qualities of **North Yorkshire's landscape**		**X**		The development is being built within an allocated site for housing but it is adjacent to the National Park and has potential to impact on this landscape.	The scheme will be designed in line with Local Plan Policy and the Council's Supplementary Planning Document for Residential Design and will use materials and landscaping to reflect the	

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					local environment and character of the area.	
Other (please state below)						

Are there any recognised good practice environmental standards in relation to this proposal? If so, please detail how this proposal meets those standards.
The homes on the Broomfield Farm housing development will be low carbon. They will include PV panels, air source heat pumps, higher standards of insulation and electric vehicle charging points. All of these interventions and standards will result in reducing emissions from the housing development by 90% compared to a standard housing development.

Summary Summarise the findings of your impact assessment, including impacts, the recommendation in relation to addressing impacts, including any legal advice, and next steps. This summary should be used as part of the report to the decision maker.

There will be a temporary negative impact from the construction of the homes but long-term these homes will be sustainable and reduce carbon emissions. This scheme will set a benchmark and encourage positive action in tackling climate impact from construction and residential buildings in future housing developments.

Sign off section

This climate change impact assessment was completed by:

Name	Kerry Levitt
Job title	Principal Regeneration Officer
Service area	Regeneration North and East
Directorate	Community Development
Signature	Kerry Levitt
Completion date	01.10.2024

Authorised by relevant Assistant Director (signature): Kathryn Daly

Date: 1/10/24