



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

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 in the summary section of the form below.

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

Title of proposal	North Yorkshire Local Flood Risk Management Strategy
Brief description of proposal	Draft consultation on the North Yorkshire Local Flood Risk Management Strategy
Directorate	Business and Environmental Services
Service area	Development Management Team
Lead officer	Mark Henderson
Names and roles of other people involved in carrying out the impact assessment	Emily Mellalieu
Date impact assessment started	

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.

No this relates to an existing document that has already been published and is a legal requirement that the Council publish and review it.

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 action plan includes indicative costs for a series of proposed actions relating to the County Council's functions. The allocation of funds towards specific projects will however be submitted for approval to the relevant committees for decisions when more detailed information is known and at the appropriate stages of project development. There is therefore no financial implication associated with the Strategy review at this stage, although decisions will be required during its delivery.

How will this proposal impact on the environment?		Positive impact (Place a X in the box below where	No impact (Place a X in the box below where	Negative impact (Place a X in the box below where	Explain why will it have this effect and over what timescale? Where possible/relevant please include: <ul style="list-style-type: none"> • Changes over and above business as usual • Evidence or measurement of effect • Figures for CO₂e • 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				
	Emissions from construction			X	Potential negative impact of constructing flood risk assets. Re Flood Defence Grant in Aid (FDGiA) government financing scheme requires the completion of a carbon calculator to identify the carbon impacts of any project. These assessments will come forward as and when projects progress.	Actions to offset, mitigate or reduce carbon emissions will be identified through the use of the carbon calculator tool.	The schemes will, wherever, possible use low carbon or carbon neutral materials.
	Emissions from running of buildings		x				
	Other		x				

<p>How will this proposal impact on the environment?</p> <p>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.</p>	Positive impact (Place a X in the box below where	No impact (Place a X in the box below where	Negative impact (Place a X in the box below where	<p>Explain why will it have this effect and over what timescale?</p> <p>Where possible/relevant please include:</p> <ul style="list-style-type: none"> • Changes over and above business as usual • Evidence or measurement of effect • Figures for CO₂e • Links to relevant documents 	<p>Explain how you plan to mitigate any negative impacts.</p>	<p>Explain how you plan to improve any positive outcomes as far as possible.</p>
Minimise waste : Reduce, reuse, recycle and compost e.g. reducing use of single use plastic		x				
Reduce water consumption		x				
Minimise pollution (including air, land, water, light and noise)			x	<p>Potential negative impact of constructing flood risk assets. The Flood Defence Grant in Aid (FDGiA) government financing scheme requires the completion of a carbon calculator to identify the carbon impacts of any project. These assessments will come forward as and when projects progress.</p>	<p>Actions to offset, mitigate or reduce carbon emissions will be identified through the use of the carbon calculator tool.</p>	<p>The schemes will, wherever, possible use low carbon or carbon neutral materials.</p>
Ensure resilience to the effects of climate change e.g. reducing flood risk, mitigating effects of drier, hotter summers	x			<p>The schemes are directly linked to providing communities with assets that take into account future increases in flood risk frequency and impact and better protecting and providing greater resilience for them.</p>		

<p>How will this proposal impact on the environment?</p> <p>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.</p>	Positive impact (Place a X in the box below where	No impact (Place a X in the box below where	Negative impact (Place a X in the box below where	<p>Explain why will it have this effect and over what timescale?</p> <p>Where possible/relevant please include:</p> <ul style="list-style-type: none"> • Changes over and above business as usual • Evidence or measurement of effect • Figures for CO₂e • Links to relevant documents 	<p>Explain how you plan to mitigate any negative impacts.</p>	<p>Explain how you plan to improve any positive outcomes as far as possible.</p>
Enhance conservation and wildlife	x			A number of natural flood management schemes will be brought forward as part of the Strategy which will enhance conservation and wildlife.		
Safeguard the distinctive characteristics, features and special qualities of North Yorkshire's landscape	x			A number of natural flood management schemes will be brought forward as part of the Strategy which will enhance conservation and wildlife.		
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.

There are a number of standards included within the Strategy which relate to the design of SuDS systems to protect properties from flood risk, for example.

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.

Overall the Strategy will provide environmental enhancements to communities. In addition the Strategy will provide improved protection and resilience from flood risk as a result of climate change impacts, through the programme of works identified.

The inclusion of natural flood management measures will go hand in hand with flood defences and is a positive as it provides co-benefits.

Sign off section

This climate change impact assessment was completed by:

Name	Mark Henderson
Job title	Senior Flood Risk M Engineer
Service area	Development Management Team
Directorate	Business and Environmental Services
Signature	Mark Henderson
Completion date	29/07/2022

Authorised by relevant Assistant Director (signature): Barrie Mason

Date: 22 August 2022