

North Yorkshire Council

Environment Executive Members

22 February 2024

Government Consultations: Future Homes Standard and Home Energy Model

Report of the Assistant Director – Environmental Services and Climate Change

1.0 PURPOSE OF REPORT

- 1.1 To outline the Future Homes Standard consultation and the Home Energy Model: Replacement for Standard Assessment Procedure consultation
- 1.2 To request approval for the North Yorkshire Council consultation response to the Future Homes Standard consultation to be in collaboration with regional partners led by the York and North Yorkshire Combined Authority
- 1.3 That the authority to approve the final responses be delegated to the Assistant Director Environmental Services and Climate Change.

2.0 BACKGROUND

- 2.1 There are two complementary consultations currently in process from Department for Levelling Up, Housing and Communities. These both conclude on 6 March 2024
 - i. Future Homes and Building Standards Consultation [The Future Homes and Buildings Standards: 2023 consultation - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/consultations/the-future-homes-and-buildings-standards-2023-consultation)
 - ii. Home Energy Model: Replacement for Standard Assessment Procedure [Home Energy Model: replacement for the Standard Assessment Procedure \(SAP\) - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/consultations/home-energy-model-replacement-for-standard-assessment-procedure)

3.0 CONSULTATION RESPONSES

- 3.1 The delivery of the Climate Change Strategy places an emphasis on 'Built Environment' in section 7(a) and does indicate that energy efficiency and decarbonisation of heat in buildings must be sought and that new properties are sustainable and do not require retrofitting in future. Both consultations provide the framework to enable us to deliver on these key components of the strategy. During the development of the Climate Change Strategy and subsequent public consultation, several responses from residents indicated that they assumed the Council already had powers to ensure new build properties were built to a high thermal efficiency standard, but this is in fact not the case. The current consultation being considered also includes the role Building Standards play in preparing for a changing climate and this further supports our 'Adaptation' priorities in section 8(d) of our Strategy.

3.2 FUTURE HOMES BUILDING STANDARDS

- 3.2.1 Energy efficiency requirements for new homes and non-domestic buildings are set by Part L (Conservation of Fuel and Power) and Part 6 of the Building Regulations 2010 ("the Building Regulations"). The consultation sets out plans for achieving the Future Homes Standard and Future Buildings Standard. Much of this consultation has regard to new homes and non-domestic buildings, however a small number of sections are also relevant to existing buildings.

3.2.2 The consultation also identifies the ‘co-benefits’ associated with the proposed new standards:

- Improve the quality and longevity of buildings
- Reduce running costs for occupants regarding energy bills and maintaining a comfortable temperature environment. It does recognise that the capital cost of property development will increase.
- Improvements to ventilation and energy efficiency standards can prevent damp and mould, excess cold and heat, and improve air quality.
- Benefits to local supply chains for renewable technologies and skills developments for the future.
- Improving resilience to the impacts of climate change.

3.2.3 A summary of the main proposals in this consultation is provided below:

New buildings: Setting the performance requirements at a level which ensures new homes and non-domestic buildings have high fabric standards, use low-carbon heating and are ‘zero-carbon ready’ (meaning no further work will be needed for them to have zero carbon emissions once the electricity grid has fully decarbonised). Importantly consideration for options to reduce running costs, while maintaining thermal comfort, balanced against build costs.

Metrics: Retaining existing metrics for use in the national calculation methodologies as these effectively support policy priorities for the Future Homes and Future Buildings Standards. Proposal that current metrics remains optimal for use in the national calculation methodologies. These metrics cover the most important aspects of building performance, but also do not excessively inhibit design flexibility for developers, designers and architects.

Guidance on fabric and fixed building services: Improvements to the minimum standards for fixed building services and on-site electricity generation. Proposal to improve the guidance and minimum standards for heat losses from building services which directly support the installation of ‘zero-carbon ready’ technologies. Includes new guidance for the installation of smart meters. It is not proposed to change the minimum building fabric standards for homes, provided through the Approved Document guidance, compared to the Part L 2021 standards as they provide a good basis for the Future Homes and Buildings Standards.

Material change of use: Seeking views on improved standards for dwellings created through material change of use. These dwellings contribute to the housing supply and affordable housing objectives but can perform less well relative to new build homes. These changes intend to protect consumers from high bills and reduce emissions as far as practicable.

Real-world performance of homes: Gathering evidence around two proposed measures to improve building performance in new homes against expected energy use: fabric performance testing and improving Home User Guides.

Heat networks: Supporting the expansion of cleaner heat networks. New homes and non-domestic buildings can be connected to existing heat networks, but they should uphold the performance requirements outlined in this consultation. This means that heat networks should produce sufficient clean heat to heat new homes and non-domestic buildings added to the network. At a minimum, the heat required by any additional homes or buildings connected to an existing heat network should match the low-carbon heat generation capacity of the network.

Accounting for exceptional circumstances: Changes to the regulations permitting local authorities to relax or dispense the energy efficiency requirements in cases where they judge that being required to fully meet the standards would be unreasonable. This is in recognition of the fact that as the energy efficiency requirements set for new buildings become stricter the chances that a small number of buildings legitimately cannot be designed to meet them increases.

Legislative changes to the energy efficiency requirements in the Building

Regulations: Changes to the Building Regulations to repeal redundant regulations and to reflect that reducing carbon emissions is a central aim of the Future Homes and Buildings Standards.

Review of approach to setting standards: For domestic buildings, the government is separately consulting on the new 'Home Energy Model' (HEM), which will replace the Standard Assessment Procedure (SAP) for the energy rating of new homes. Alongside this, for domestic buildings the consultation includes improvements to the current 'notional building' approach to setting energy efficiency requirements. For non-domestic buildings, a number of improvements and updates are proposed to the National Calculation Methodology used to assess building performance in non-domestic buildings.

Transitional arrangements: There are two options for transitional arrangements, comprising a 6-month or up to 12-month period between the Future Homes and Buildings Standard legislation being laid (in 2024) and is coming into force (in 2025), followed by a 12-month transitional period. These transitional arrangements are intended to allow industry sufficient time to adapt.

Overheating (call for evidence): Seeking evidence on implementation of the Part O building regulation introduced in 2021 to reduce overheating in new homes, and intent to extend this standard to homes created through conversions. There are 95 questions in the Future Homes Standard consultation which formulate the consultation response. A first draft of the initial response at the time of report writing is included in Appendix A.

3.3 Home Energy Model: Replacement for Standard Assessment Procedure

3.3.1 The [Standard Assessment Procedure \(SAP\)](#) is the methodology currently used by the government to estimate the energy performance of homes across the United Kingdom. It is translated in Energy Performance Certificates commonly referred to as EPCs. This has particular resonance with North Yorkshire Council as performance metrics for the Home Upgrade Grant and the Social Housing Decarbonisation Grant are based on EPC ratings. The consultation proposes that the Home Energy Model will replace the SAP for the energy rating of dwellings. At present, this remains under development, and it is proposed that the Government will implement the first version of this model alongside the Future Homes Standard in 2025.

3.3.2 The requested consultation contributes to supporting the development of the Model while it is still at a formative stage, so that industry can participate in the development process. A key aim of the project has been to increase the transparency of the calculation methodology and Government have therefore published the Home Energy Model codebase and aim to develop it in the open in future. Looking ahead, we will be considering reforms to how the model will recognise new technologies and product-specific performance data, as well as how software is provided to energy assessors. This is a very technical consultation piece and officers will be taking advice from colleague in Property and Housing Services and partners to enable a response.

3.4 Initial responses to the Future Homes Building Standard is in Appendix C. A verbal update will be given at the meeting. At the time of report writing the response to the Home Energy Model is at a formative stage so further detail will be provided.

4.0 CONSULTATION UNDERTAKEN AND RESPONSES

4.1 Climate team officers have requested engagement from Housing, Planning, Building Control, Property and Align Property Services in contributing the consultation response which is being led by the current York and North Yorkshire Local Enterprise Partnership Low Carbon team. Registered Social Landlords have also engaged in developing the response. The Climate Change Business Partner officers for Community Development and Central Services will lead on developing the consultation response with partners.

5.0 CONTRIBUTION TO COUNCIL PRIORITIES

5.1 The Council has declared a Climate Emergency and pledged to play its part in tackling the causes and impacts of climate change.

5.2 The Strategy delivers the following specific Council Plan ambitions:

- Place and Environment:
 - Good quality, affordable and sustainable housing that meets the needs of our communities
- Economy
 - Economically sustainable growth that enables people and places to prosper
- Health and Wellbeing
 - People are supported to have a good quality of life and enjoy active and healthy lifestyles
 - Reduced variations in health through tackling the root causes of inequality
- People
 - In times of hardship, support is provided to those that need it most
- Organisation
 - A carbon neutral council

6.0 ALTERNATIVE OPTIONS CONSIDERED

6.1 To not respond to the consultation: To deliver the Climate Change Strategy and the Routemap to Carbon Negative, we seek to encourage and enable policy change to support net zero ambitions, so engagement in consultations such as this contribute to this aim.

6.2 To formulate an alternative response: The response will be developed collaboratively with partners to accommodate views from the York and North Yorkshire partners.

7.0 FINANCIAL IMPLICATIONS

7.1 The response to the consultation will not have any financial implications for the Council. Government policy on setting the Future Homes Standard and Standard Assessment Procedure regulations will ultimately have financial implications for North Yorkshire Council property and will be taken into account as necessary in future.

8.0 LEGAL IMPLICATIONS

8.1 The response to the consultation will not have a legal implication for the Council at this time.

9.0 EQUALITIES IMPLICATIONS

9.1 There are no impacts on protected characteristics as a result of this consultation. A screening document is located in Appendix B.

10.0 CLIMATE CHANGE IMPLICATIONS

10.1 The consultation response will deliver the Climate Change Strategy ambitions with regarding to mitigation priorities for the built environment, both retrofitting existing property and through ensuring new properties are designed to be climate responsible. Impact assessment included as Appendix C

11.0 REASONS FOR RECOMMENDATIONS

11.1 The recommendations will support delivery of the North Yorkshire Council Climate Change Strategy.

12.0 RECOMMENDATION(S)

12.1 That North Yorkshire Council responds to the Future Homes Standard consultation and to the Replacement for Standard Assessment Procedure consultation.

12.2 That the Future Homes Standard consultation is in collaboration with regional partners led by the York and North Yorkshire Combined Authority.

12.3 That authority to approve the final response be delegated to the Assistant Director Environmental Services and Climate Change.

APPENDICES:

Appendix A – Consultation draft as at 06.02.24

Appendix B – Equalities Impact Assessment

Appendix C – Climate Change Impact Assessment

Michael Leah

Assistant Director – Environmental Services and Climate Change

County Hall

Northallerton

07.02.24

Report Author – Jos Holmes, Climate Change Strategy Manager

Presenter of Report – Jos Holmes, Climate Change Strategy Manager

22.02.24 App C – Early draft of consultation response prepared by YNY Combined Authority colleagues following initial collaborative session in January 2024.

[The Future Homes and Buildings Standards: 2023 consultation - GOV.UK \(www.gov.uk\)](#)
Drafted responses to questions are in red – please use track changes to alter these answers or provide feedback.

Questions highlighted in yellow were not tackled at the discussion session on the 26th of January or need further technical knowledge – please use track changes to provide feedback or insight to a response.

Question 1. Are you responding as / on behalf of (select all that apply):

- Member of the public
- Builder/Developer
- Building Control Approved Inspector/Registered Building Control Approver
- Competent Persons Scheme Operator
- Designer/Engineer/Surveyor
- Architect
- Energy sector
- Installer/Specialist sub-contractor
- Local authority
- Housing Association
- Manufacturer/Supply chain
- National representative or trade body
- Professional body or institution
- Property Management
- Research/Academic organisation
- Other

Consortium including: York and North Yorkshire Combined Authority, North Yorkshire Council, Broadacres and Yorkshire Housing.

Question 2. If you are responding as a member of the public/a building professional, what region are you responding from? [drop down list of England regions + other]

N/A

Question 3. If you are responding as a member of the public, are you a [checkbox: private tenant, housing association/local authority housing tenant, private landlord, homeowner]

N/A

Question 4. If you are responding on behalf of a business/organisation, what is the name of your business/organisation? [free text]

York and North Yorkshire Combined Authority, North Yorkshire Council, Broadacres and Yorkshire Housing.

Question 5. If you are responding on behalf of a business/organisation, where is your business/organisation based/registered? [drop down list England regions + other]

Yorkshire & the Humber

Question 6. When you respond it would be useful if you can confirm whether you are replying as an individual or submitting an official response on behalf of an organisation and include:

- your name – Lucy Allis
- your position (if applicable), Local Authorities Climate Action Coordinator
- the name of organisation (if applicable), York and North Yorkshire Combined Authority
- an address (including post-code),

- an email address, and
- a contact telephone number

Heat network concurrent notional building options

Question 7. Which option for the dwelling notional buildings (for dwellings not connected to heat networks) set out in The Future Homes Standard 2025: dwelling notional buildings for consultation do you prefer? (See section 4.2.4)

a. Option 1 (higher carbon and bill savings, higher capital cost)

Option 1 is what is required to reach net zero by 2050 and to enable York and North Yorkshire to reach its regional ambitions for net zero by 2034 and carbon negative by 2040. Option 2 will result in missing the 2050 target, as well as reduced comfort and higher costs for building owners and/or occupiers. This approach will also ensure that homes built now will not need to be retrofitted in future years, providing benefits for households.

However, option 1 must link to local strategy and previous work such as Local Area Energy Plans to ensure the right measure in the right place (such as connecting to future heat networks, some areas having less of an emphasis on hydrogen etc.). Additionally, the standard must be flexible to allow innovation and not focus too much on one technology or solution – the current approach seems to rely on electrification which depends on the capacity of the grid and stifles innovation. For example, this approach seems more focused on solar and heat pumps than other technologies – whilst these are important and this response welcomes the approach, other solutions may be more suitable in certain areas. More detail on how reporting, reducing embodied emissions and strategy for existing buildings can be accounted for within option 1 would also be welcome.

There are some concerns about the impact of the higher capital cost of option 1. Without financial support, the additional costs may result in fewer homes being built, particularly if the cost of building the home outweighs its value. There is a wider piece of work to do alongside this standard to reflect energy efficiency in the value of the building. Additionally, skills support is needed to ensure good quality of housing and support industry to deliver the standards. Despite these concerns, option 1 is the only option that is compatible with local and national net zero ambitions.

b. Option 2 (lower carbon savings, increase in bill costs, lower capital cost).

Question 8. What are your priorities for the new specification? (select all that apply)

- low capital cost
- lower bills
- carbon savings
- other (please provide further information)

Carbon savings (including operational and embodied emissions) and lower bills/increased comfort should be the two top priorities for the standard to ensure alignment with net zero targets and ensure better comfort and wellbeing for owners/occupiers. Another priority for the specification should be adapting to our changing climate, such as mitigating against flood risk or overheating. However, to ensure that these priorities can be delivered at pace and scale, financial support and innovative business models should be prioritised so that housing supply is not affected, especially social housing.

Please provide any additional comments to support your view on the notional building for dwellings not connected to heat networks.

Question 9. Which option for the dwelling notional buildings for dwellings connected to heat networks set out in The Future Homes Standard 2025: dwelling notional buildings for consultation do you prefer?

a. Option 1 (higher carbon and bill savings, higher capital cost)

As for question 7, option 1 is what is required to reach net zero by 2050 and to support regional ambitions for net zero by 2034 and carbon negative by 2040. Option 2 will result in missing the 2050 target, as well as reduced comfort and higher costs for building owners and/or occupiers. This approach will also ensure that homes built now will not need to be retrofitted in future years, reducing the pressure on the future supply chain.

However, option 1 must link to local strategy and previous work such as Local Area Energy Plans to ensure the right measure in the right place, particularly where there are plans for future heat networks. Additionally, the standard must be flexible to allow innovation and not focus too much on one technology or solution. For example, this approach seems more focused on solar and heat pumps than other technologies – whilst these are important and this response welcomes the approach, other solutions may be more suitable in certain areas. More detail on how reporting and reducing embodied emissions is accounted for within option 1 would also be welcome.

There are some concerns about the impact of the higher capital cost of option 1. Without financial support, the additional costs may result in fewer homes being built, particularly if the cost of building the home outweighs its value. There is a wider piece of work to do alongside this standard to reflect energy efficiency in the value of the building. Additionally, skills support is needed to ensure good quality of housing and support industry to deliver the standards. Despite these concerns, option 1 is the only option that is compatible with local and national net zero ambitions.

b. Option 2 (lower carbon savings, increase in bill costs, lower capital cost)

Please provide any additional comments on the specification of the heat network in the notional building (See section 4.2.5)

Question 10. Which option do you prefer for the proposed non-domestic notional buildings set out in the NCM (National Calculation Methodologies) modelling guide?

a. Option 1

As option 1 recommends more solar coverage, option 1 should provide more benefits in terms of bills, support the transition to renewable energy and compliment the other performance targets for non-domestic buildings. However, this response questions what the justification is for the figures presented e.g. 40% or 75% coverage – where have these figures come from and how would this work on a case by case basis? Additionally, domestic and non-domestic buildings need to have similar standards and levels of net zero ambition as they are competing for land and it would be challenging if domestic or non-domestic buildings were cheaper and more beneficial for developers to build. This will also support the supply chain to develop.

b. Option 2

Question 11. What are your priorities for the new specification?



low capital cost

- lower bills
- carbon savings
- other (please provide further information)

Carbon savings (including operational and embodied emissions) and lower bills should be the two top priorities for the standard to ensure alignment with net zero targets and to provide an incentive for businesses to decarbonise. Another priority for the specification should be adapting to our changing climate, such as mitigating against flood risk or overheating. However, to ensure that these priorities can be delivered at pace and scale, lower capital costs should also be prioritised.

Please provide additional information to support your view on the proposed non-domestic notional buildings set out in the National Calculation Methodology modelling guide.

Metrics

Question 12. Do you agree that the metrics suggested above (TER, TPER and FEE) be used to set performance requirements for the Future Homes and Buildings Standards? (Section 5.3)

- a. Yes
- b. Yes, and I want to provide views on the suitability of these metrics and/or their alternatives
- c. No, I think delivered energy should be used
- d. No, I think FEE should be changed
- e. No, for another reason (please provide justification)

Updated guidance and minimum standards

Question 13. Do you agree with the proposed changes to minimum building services efficiencies and controls set out in Section 6 of draft Approved Document L, Volume 1: Dwellings? (Section 6.2.1)

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Heat pump controls in new and existing homes

Question 14. Do you agree with the proposal to include additional guidance around heat pump controls for homes, as set out in Section 6 of draft Approved Document L, Volume 1: Dwellings?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view

Providing additional guidance around heat pump controls for homes will ensure compatibility between original and additional controls. However, it would be beneficial to have manufacturer provided training for industry to ensure compatibility on installation, and support for users of the controls. Furthermore, any systems designed as part of the home should be aligned to manufacturer specifications such as using the appropriate pipe diameter to allow for heat pump installation.

- c. No (please provide justification)

Providing additional information about heat pump systems in new homes

Question 15. Do you agree that operating and maintenance information should be fixed to heat pump units in new homes?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view

Information should be attached to heat pump units in new homes in accessible language to ensure that building residents/owners etc. understand the information as well as installers or maintenance companies. This should also be provided as part of wider information about the home (such as in the Home User Guide), and should provide a way to access further information and ask any questions. This could be provided as a QR code.

In addition to this, in new developments, the developer should also have a key point of contact when homeowners are moving in if they have any questions about how to use the heat pump. It is also suggested that for new developments there is a nominated community champion that can champion best practice.

- c. No (please provide justification)

Question 16. Do you think that the operating and maintenance information set out in Section 10 of draft Approved Document L, Volume 1: Dwellings is sufficient to ensure that heat pumps are operated and maintained correctly?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view

Yes, but as in the answer to question 15, directions of who to contact or where to visit for more information would be helpful. It would also be useful to be clear about who this information is targeting and to reflect this in the language and approach. Ideally, this information will be easy to understand for landlords, tenants, owner occupiers etc., and will make the benefits of maintaining heat pumps clear to provide an incentive.

- c. No (please provide justification)

Changes to guidance to limit heat loss in new homes

Question 17. Do you agree with the proposed changes to Section 4 of draft Approved Document L, Volume 1: Dwellings, designed to limit heat loss from low carbon heating systems?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

MCS requirements already cover a lot of these changes.

Question 18. Do you agree with the proposed sizing methodology for hot water storage vessels for new homes?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Also set out in MCS requirements?

Updated guidance and minimum standards for non-domestic buildings

Question 19. Do you agree with the proposed changes to minimum building services efficiencies and controls set out in Section 6 of draft Approved Document L, Volume 2: Buildings other than dwellings?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Limiting heat losses from building services in new communal areas of flats and non-domestic buildings

Question 20. Do you agree with the proposed guidance on the insulation standard for building heat distribution systems in Approved Document L, Volume 2: Buildings other than dwellings?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Non-domestic buildings of low energy demand (not exempt)

Question 21. Do you agree that the current guidance for buildings with low energy demand which are not exempt from the Building Regulations, as described in Approved Document L, Volume 2: Buildings other than dwellings should be retained without amendment?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Ideally we want as many buildings to be covered by the standard as possible to ensure compatibility with net zero.

Other guidance changes, lifts, escalators and moving walkways

Question 22. Do you agree that lifts, escalators and moving walkways in new buildings (but not when installed within a dwelling) should be included in the definition of fixed building services?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view

Include to make more energy efficient without compromising safety.

- c. No (please provide justification)

Question 23. Do you agree with the proposed guidance for passenger lifts, escalators and moving walkways in draft Approved Document L, Volume 2: Buildings other than dwellings?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Question 24. Do you have any further comments on any other changes to the proposed guidance in draft Approved Document L, Volume 2: Buildings other than dwellings?

- a. Yes (please provide comments)
- b. No

Material Change of Use Using a whole-building approach

Question 25. Should we set whole-building standards for dwellings created through a material change of use?

a. Yes

The same standards should apply to ensure that building new dwellings to the Future Homes & Buildings Standard is not more 'difficult' than creating dwellings through a Material Change of Use, as this may impact housing supply and lead to less energy-efficient dwellings. However, these whole-building standards should support our current building stock to be utilised to reduce embodied carbon emissions.

b. No, an elemental standard should be set with an option to use a notional building if the designer prefers

c. No, for another reason (please provide justification)

Scope of MCU standard

Question 26. Should the proposed new MCU standard apply to the same types of conversion as are already listed in Approved Document L, Volume 1: Dwellings?

a. Yes

b. No, standards should also apply to non-dwelling accommodation e.g., student or patient accommodation, care homes, and hotels

c. No, the standard should be clearer that it applies to houses of multiple occupation (please recommend specific building types you think the standard should apply to and provide justification)

d. No, for another reason (please provide justification)

Should apply to as many types of buildings as feasible – all types of buildings.

Categorising buildings undergoing an MCU

Question 27. Should different categories of MCU buildings be subject to different requirements?

a. Yes

Low rise buildings vs mid-high rise buildings have different opportunities for intervention, and some interventions may not be possible for certain buildings. There should be a presumption in favour of the highest energy efficiency standards aligned to the priorities of the standard, which can then be examined individually if they are not possible (with justification).

b. No (please provide justification)

Question 28. Which factors should be taken into account when defining building categories? (check all those that apply)

height of the building, i.e., low versus mid- to high-rise buildings

floor area of the building

the expertise of those carrying out the work

whether the conversion is a part- or whole-building conversion

Other (please state) Age of building and listed/conservation area status?

Please provide additional information to support your view.

Performance requirements for MCA – Notional specifications

Question 29. Do you agree with the illustrative energy efficiency requirements and proposed notional building specifications for MCU buildings?

- a. Yes
- b. No

There should be a presumption in favour of the highest energy efficiency standards aligned to the priorities of the standard, which can then be examined individually if they are not possible (with justification).

Question 30. If you answered no to the previous question, please provide additional information to support your view. Select all that apply. The requirements are:

- too stretching
- not stretching enough
- not economically viable
- not practical/technically feasible
- other (please provide further details)

Question 31. Do you agree with using the metrics of primary energy rate, emission rate and fabric energy efficiency rate, if we move to whole dwelling standards for MCU buildings?

- a. Yes
- b. Yes, and I want to provide additional suggestions or information to support my view
- c. No (please provide justification)

Relaxation of the notional building standards for MCU

Question 32. Under what circumstances should building control bodies be allowed to relax an MCU standard?

- a. None, building control bodies should not be able to relax MCU standards
- b. Building control bodies should be able to relax under the following circumstances (please provide further details)
 - the technical or practical feasibility of achieving the standards, for example the weight of insulation or the space available to install loft insulation
 - that space is affected outside of the dwelling, for example pavements or access alleys are made too narrow
 - consideration of historic and traditional dwellings
 - Where there are other interventions that will be more effective e.g. connecting to a heat network rather than having a heat pump – multiple technologies should be considered to allow for innovation.

Question 33. Do you have views on how we can ensure any relaxation is applied appropriately and consistently?

Please select all that apply:

- there should be guidance on circumstances where relaxation of the notional standard may be appropriate
- there should be monitoring of how relaxation is applied
- only formal relaxation or dispensation through the local authority should be possible
- other (please provide further details)

Minimum limiting standards for residential MCU conversions**Question 34.** Should a limiting standard be retained for MCU dwellings?

- a. Yes (please provide further details)
- b. No, it is too strict
- c. No, it is not strict enough
- d. No, there is not enough information
- e. No, for another reason (please provide further details)

Question 35. If a limiting standard is retained, what should the limiting standard safeguard against?

- Please select all that apply:
- risk of moisture, damp and mould
- high energy demand and energy bills (please provide recommended values referring to ADL volume 1 Table 4.3)
- other (please provide further details)

The limiting standard should also safeguard against a lack of comfort (and the resulting impact on wellbeing), and a CO2 emissions standard. It should also safeguard against excessive future costs which may be incurred from any further energy efficiency upgrades by ensuring homes are ready for any future interventions which cannot be provided at the time of building (such as installing infrastructure to support connecting to a heat network).

Unintended consequences including supply impacts**Question 36.** Do you wish to provide any evidence on the impacts of these proposals including on viability?

- a. Yes (please provide evidence)
- b. No

Applying other new build standards to MCU: BREL, photographic evidence, Home User Guides and airtightness testing**Question 37.** Do you agree that a BREL report should be provided to building control bodies if we move to energy modelling to demonstrate compliance with MCU standards?

- a. Yes
- b. Yes, and photographic evidence is needed
- c. Yes, and I'd like to provide further information
- d. No (please provide justification)

Question 38. Do you agree that consumers buying homes created through a material change of use should be provided with a Home User Guide when they move in?

- a. Yes
- b. Yes, and I'd like to provide further information

As with providing information on heat pumps, providing householders with as much information as possible in an accessible way will be really important for helping people to make their homes energy efficient and understand their home. The Home User Guide information could be joined up with the survey process attached to buying homes and similar processes for rental properties to ensure early intervention and a streamlined service. Information should also be included that helps

householders to avoid using buildings in different ways to those assumed at the design stage, such as having the heating on more often.

c. No (please provide justification)

Question 39. Do you agree that homes that have undergone an MCU should be airtightness tested?

a. Yes

b. Yes, and I'd like to provide further information

As in the answer to question 38, providing more information is key. Airtightness testing would provide more information to the householder, allowing them to understand if further upgrades are needed. It will also improve comfort for occupants and make estimates of emissions reductions more accurate.

c. No (please provide justification)

Real-world performance of homes & performance testing

Question 40. Do you think that we should introduce voluntary post occupancy performance testing for new homes?

a. Yes

b. Yes, and I'd like to provide further information

Without further performance testing, emissions reduction estimates are likely to be incorrect, jeopardising net zero targets regionally and nationally. This could also include how householders use their homes and where behaviour changes could be made. It may be beneficial to make these tests mandatory and randomised to provide a clear picture of the housing stock and to link this to RICS surveys. Additionally, there needs to be guidance in place as to what happens if this testing highlights performance issues, particularly as performance gaps are common.

c. No (please provide justification)

Future Homes Standards brand

Question 41. Do you think that the government should introduce a government-endorsed Future Homes Standard brand? And do you agree permission to use a government-endorsed Future Homes Standard brand should only be granted if a developer's homes perform well when performance tested? Please include any potential risks you foresee in your answer.

a. Yes

b. Yes, and I want to provide additional suggestions or information

A brand endorsed by central government would be very helpful – research done locally about retrofit etc. has highlighted that trust and recognising a brand is one of the main barriers to people having energy efficiency improvements done in their home, so choosing a home that has been 'rubber stamped' by government is likely to be an incentive. However, this would need to be performance tested and regularly reviewed e.g. just because a supplier is compliant initially, that doesn't mean they will continue to be. Additionally, this brand would need to interact well with local initiatives for retrofit and energy efficiency such as Retrofit One-Stop-Shops and be sensitive to differences across the country. It is more likely that organisations will engage with the brand if there is funding and training associated with it that comes from central government, and the opportunity to localise the approach.

- c. Yes, but I think there are risks associated with introducing a government-endorsed brand
- d. No (please provide justification)

Commissioning fixed building services

Question 42. Do you agree with the proposed changes to Approved Document F, Volume 1: Dwellings to improve the installation and commissioning of ventilation systems in new and existing homes?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 43. Do you agree with the proposal to extend Regulation 42 to the installation of mechanical ventilation in existing homes as well as new homes?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Commissioning hot water storage vessels

Question 44. Do you think the guidance on commissioning hot water storage vessels in Section 8 of draft Approved Document L, Volume 1: Dwellings is sufficient to ensure they are commissioned correctly?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 45. Are you aware of any gaps in our guidance around commissioning heat pumps, or any third-party guidance we could usefully reference?

- a. Yes (please provide further details)
- b. No

Commissioning on-site electricity storage systems

Question 46. Do you think the guidance for commissioning on-site electrical storage systems in Section 8 of draft Approved Document L, Volume 1: Dwellings is sufficient to ensure they are commissioned correctly?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Routes to certification and enforcement mechanisms

Question 47. Do you agree with proposed changes to Approved Document L, Volume 1: Dwellings and Approved Document F, Volume 1: Dwellings to (a) clarify the options for certifying fixed building services installations and (b) set out available enforcement options where work does not meet the required standard?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Home User Guides

Question 48. Do you think the additional information we intend to add to the Home User Guide template, outlined above, is sufficient to ensure home occupants can use their heat pumps efficiently?

- a. Yes
- b. Yes, and I'd like to provide further information

It may also be helpful to provide information about how to maintain a heat pump here, which is proposed to be fixed to the outside of the heat pump. Additionally, it is important that the onus for explaining this information does not fall on operatives (without proper training/support) – it could be that the guides are accompanied by QR codes/help numbers to government/municipality websites/staff.

- c. No (please provide justification)

Question 49. If you are a domestic developer, do you use, or are you planning to use, the Home User Guide template when building homes to the 2021 uplift? Please give reasons in your response.

- a. Yes (please provide further details)
- b. No (please provide further details)

Question 50. Do you have a view on how Home User Guides could be made more useful and accessible for homeowners and occupants, including on the merits of requiring developers to make guides available digitally? Please provide evidence where possible.

- a. Yes, (please provide further details)

More accessible language is needed - for example 'thermal comfort' is not really an accessible term, so either this term should be replaced or there could be a glossary provided explaining what all the terms and phrases mean. The use of a database for Home User Guides is a good idea to ensure that documents are easy to access (alongside paper copies for anyone who requires them) and can be easily transferred between new owners/occupiers. These should also be shared and highlighted along with other documents such as tenancy agreements and surveys when buying or renting a dwelling to ensure it becomes a normal part of the overall package.

- b. No

Question 51. Do you think that there are issues with compliance with Regulations 39, 40, 40A and 40B of the Building Regulations 2010? Please provide evidence with your answer.

- a. Yes (please provide justification)

People completing the work will need support with this, and could be supported via documents like the Home User Guides.

- b. No (please provide justification)

Question 52. Do you think that local authorities should be required to ensure that information required under Regulations 39, 40, 40A and 40B of the Building Regulations 2010 has been given to the homeowner before issuing a completion certificate?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

To incorporate into answer: How do you measure this? If a homeowner has been given the information, does that count or do they need to be satisfied with it and understand everything?

Heat networks

Question 53. Do you agree that new homes and new non-domestic buildings should be permitted to connect to heat networks, if those networks can demonstrate they have sufficient low-carbon generation to supply the buildings' heat and hot water demand at the target CO2 levels for the Future Homes or Buildings Standard?

- a. Yes
- b. Yes, and I'd like to provide further information

Where feasible new homes and non-domestic buildings should be able to connect to heat networks. This should align with the agreed approach for Heat Network Zoning to allow new homes to be connected to new heat networks (or to include the infrastructure to connect them when they exist) and align with Local Area Energy Plans.

- c. No (please provide justification)

Question 54. Do you agree that newly constructed district heating networks (i.e., those built after the Future Homes and Buildings Standard comes into force) should also be able to connect to new buildings using the sleeving methodology?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 55. Do you agree with the proposed guidance on sleeving outlined for Heat Networks included in Approved Document L, Volume 1: Dwellings and Approved Document L, Volume 2: Buildings other than dwellings?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 56. Do you agree that heat networks' available capacity that does not meet a low carbon standard should not be able to supply heat to new buildings?

- a. Yes
- b. No (please provide further details regarding how this unused higher carbon capacity should be accounted for)

To incorporate: Where there are proposed building works near a heat network, can they be supported to decarbonise rather than discounted?

Question 57. What are your views on how to ensure low-carbon heat is used in practice?

Question 58. Are there alternative arrangements for heat networks under the Future Homes and Building Standards that you believe would better support the expansion and decarbonisation of heat networks?

Smart Meters

Question 59. Do you agree that the draft guidance provides effective advice to support a successful smart meter installation in a new home, appropriate to an audience of developers and site managers?

- a. Yes
- b. No

If not, please provide suggestions for how the draft guidance could be improved. Please provide evidence and sources for your statements where appropriate.

Question 60. Do you agree that voluntary guidance referenced in draft Approved Document L, Volume 1: Dwellings is the best approach to encouraging smart meters to be fitted in all new domestic properties?

- a. Yes
- b. No

If not, is there anything else you think the government should be doing to ensure that smart meters are fitted in all new build properties?

Accounting for exceptional circumstances

Question 61. Do you agree that it should be possible for Regulation 26 (CO₂ emission rates) to be relaxed or dispensed with if, following an application, the local authority or Building Safety Regulator concludes those standards are unreasonable in the circumstances?

- a. Yes
- b. No (please provide justification)

Question 62. [If yes to previous question], please share any examples of circumstances where you think it may be reasonable for a local authority to grant a relaxation or dispensation?

Question 63. Do you think that local authorities should be required to submit the applications they receive, the decisions they make and their reasoning if requested?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 64. Are there any additional safeguards you think should be put in place to ensure consistent and proportionate use of this power?

Legislative changes to the energy efficiency requirements

Question 65. Do you agree that Part L1 of Schedule 1 should be amended, as above, to require that reasonable provision be made for the conservation of energy and reducing carbon emissions?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Regulations 25A and 25B

Question 66. Do you agree that regulations 25A and 25B will be redundant following the introduction of the Future Homes and Buildings Standards and can be repealed?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

A review of our approach to setting standards

Question 67. Do you agree that the Home Energy Model should be adopted as the approved calculation methodology to demonstrate compliance of new homes with the Future Homes Standard?

- a. Yes
- b. Yes, and I'd like to provide further information
- c. No (please provide justification)

Question 68. Please provide any comments on the parameters in the notional building.

Question 69. Minimum standards already state that heat pumps should have weather compensation and we would like to understand if stakeholders think this is enough to ensure efficiency of heat pumps under the varying weather conditions across England. Should the notional building use local weather?

- a. Yes
- b. No

Please provide any evidence you have on the unintended consequences that could arise as a result of using local weather in the notional building. If possible, please comment on the impact on the construction industry in terms of design and building feasibility. We also welcome views on whether weather compensation is sufficient to ensure heat pump efficiency.

To incorporate: Could delay delivery of new homes if materials differ between regions? May put more stress on local supply chains which will impact the wider construction industry.

Buildings that contain multiple dwellings

Question 70. Do you agree with the revised guidance in The Future Homes Standard 2025: dwelling notional buildings for consultation no longer includes the average compliance approach for terraced houses? Please provide any evidence you have on the unintended consequences that could arise as a result of these changes.

- a. Yes

Currently the approach would leave estimates of target emission rate, primary energy rate and fabric efficiency rate as an average of several buildings, failing to highlight individual differences.

- b. No

Secondary Heating

Question 71. Do you agree with the revised guidance in Approved Document L, Volume 1: Dwellings which states that you should not provide a chimney or flue when no secondary heating appliance is installed?

- a. Yes

This would remove one area where warm air commonly escapes buildings, so this is a sensible change.

b. No

Please provide any further evidence.

Window and door U-value calculations

Question 72. Do you agree with the proposed approach to determine U-values of windows and doors in new dwellings?

a. Yes

Would improve the accuracy of the U-values of windows and doors, but would increase heat transfer modelling or testing for different window sizes and configurations.

b. No

Please provide any further evidence.

Thermal bridging

Question 73. Do you agree with the proposal to remove the default γ -value for assessing thermal bridges in new dwellings?

a. Yes

b. Yes, and I'd like to provide further information

c. No (please provide justification)

Curtain walling in homes

Question 74. Do you have any information you would like to provide on the homes built to the Future Homes Standard using curtain walling?

National Calculation Methodologies (NCM) for Non-domestic buildings

Reported underestimates of space heating in the NCM & other updates to SBEM and iSBEM

Question 75. Do you agree with the methodology outlined in the NCM modelling guide for the Future Buildings Standard?

a. Yes,

b. No (please provide justification)

Question 76. Please provide any further comments on the cSBEM tool which demonstrates an implementation of the NCM methodology.

Question 77. Please provide any further comments on the research documents provided alongside the cSBEM tool and which support the development of the NCM methodology, SBEM and iSBEM.

Transitional Arrangements

Question 78. Which option describing transitional arrangements for the Future Homes and Buildings Standard do you prefer? Please use the space provided to provide further information and/or alternative arrangements.

a. Option 1

b. Option 2

Please provide further information or suggest alternative transitional arrangements with your rationale and supporting evidence.

Question 79. Will the changes to Building Regulations proposed in this consultation lead to the need to amend existing planning permissions? If so, what amendments might be needed and how can the planning regime be most supportive of such amendments?

- a. Yes (please provide further information)
- b. No

Sunsetting of previous transitional arrangements for new buildings

Question 80. Do you agree that the 2010 and 2013 energy efficiency transitional arrangements should be closed down, meaning all new buildings that do not meet the requirements of the 2025 transitional arrangements would need to be built to the Future Homes and Buildings Standards?

- a. Yes
- b. No (please provide justification)

Question 81. What are your views on the proposals above and do you have any additional evidence to help us reach a final view on the closing of historical transitional arrangements? **Some mechanism is needed to ensure that the new standards are reflected and there isn't a 'loop hole' for those building slightly before.**

Part O – Call for evidence

Question 82. Part O does not apply when there is a material change of use. Should it apply?

- a. Yes
- b. Yes, but only for some types of conversion (please list from reg 5a-k or describe the type)
- c. No

Please provide more details about why Part O should/should not apply to a material change of use and, if possible, point to existing evidence/examples that demonstrates your view.

Question 83. Apart from material change of use, is there anything missing from the current scope of Part O?

- a. Yes, (please provide justification)
- b. No, (please provide justification)

Question 84. Can you provide evidence on how the addition of extensions or conservatories to domestic buildings can impact overheating risk on an existing building?

- a. Yes, (please provide justification)
- b. No

Requirement O: Overheating mitigation

Question 85. We are currently reviewing Part O and the statutory guidance in Approved Document O. Do you consider there to be omissions or issues concerning the statutory guidance on the simplified method for demonstrating compliance with requirement O1, for buildings within the scope of requirement O1?

- a. Yes (please provide justification)
- b. No

Question 86. Do you consider there to be omissions or issues concerning the statutory guidance on the dynamic thermal modelling method for demonstrating compliance with requirement O1 for all residential buildings?

- a. Yes, (please provide justification)
- b. No

Question 87. Do you consider there to be omissions or issues concerning the statutory guidance on ensuring the overheating mitigation strategy is usable for buildings within the scope of requirement O1?

- a. Yes, (please provide justification)
- b. No

Question 88. Do you consider there to be omissions or issues concerning the statutory guidance on protection from falling?

- a. Yes, (please provide justification)
- b. No

Question 89. Are you aware of ways that Approved Document O could be improved, particularly for smaller housebuilders?

- a. Yes, (please provide justification)
- b. No

Regulation 40B: Information about overheating

Question 90. Does Regulation 40B require revision?

- a. Yes, (please provide justification)

Could add that information must be provided in an accessible format i.e. plain language.

- b. No

Question 91. Do you consider there to be omissions or issues concerning the statutory guidance on providing information?

- a. Yes, (please provide justification)
- b. No

Question 92. Are there any improvements that you recommend making to the information provided about overheating in the Home User Guide template?

- a. Yes, (please provide justification)

As above, use of more accessible language and perhaps pictures or diagrams would help with the readability of the document. It doesn't read currently as though it is consumer facing. The page number for 'staying cool in hot weather' is also incorrect.

- b. No

Question 93. Are there any omissions or issues not covered above with the statutory guidance in Approved Document O that we should be aware of?

a. Yes

b. No

If you answered yes, please provide more details including suggestions on ways to improve the statutory guidance and point to existing evidence/examples that demonstrates why the gaps or issues you have identified should be reviewed as a priority.

Equalities and Impact Assessments

Question 94. Please provide any feedback you have on the potential impact of the proposals outlined in this consultation document on persons who have a protected characteristic. If possible, please provide evidence to support your comments.

Reliance on written and online resources may not be suitable for those with dyslexia or other similar disabilities, or older people/people who do not have online access or cannot get it easily.

Question 95. Please provide any feedback you have on the impact assessments.

Initial equality impact assessment screening form			
This form records an equality screening process to determine the relevance of equality to a proposal, and a decision whether or not a full EIA would be appropriate or proportionate.			
Directorate	Environment		
Service area	Environmental Services and Climate Change		
Proposal being screened	Government Consultations: Future Homes Standard and Home Energy Model		
Officer(s) carrying out screening	Jos Holmes, Climate Change Strategy Manager		
What are you proposing to do?	To respond to Government Consultation		
Why are you proposing this? What are the desired outcomes?	To enable Climate Change Strategy Delivery		
Does the proposal involve a significant commitment or removal of resources? Please give details.	No		
Impact on people with any of the following protected characteristics as defined by the Equality Act 2010, or NYC's additional agreed characteristics As part of this assessment, please consider the following questions: <ul style="list-style-type: none"> To what extent is this service used by particular groups of people with protected characteristics? Does the proposal relate to functions that previous consultation has identified as important? Do different groups have different needs or experiences in the area the proposal relates to? <p>If for any characteristic it is considered that there is likely to be an adverse impact or you have ticked 'Don't know/no info available', then a full EIA should be carried out where this is proportionate. You are advised to speak to your directorate representative for advice if you are in any doubt.</p>			
Protected characteristic	Potential for adverse impact		Don't know/No info available
	Yes	No	
Age		X	
Disability		X	
Sex		X	
Race		X	
Sexual orientation		X	
Gender reassignment		X	
Religion or belief		X	
Pregnancy or maternity		X	
Marriage or civil partnership		X	
People in rural areas		X	
People on a low income		X	
Carer (unpaid family or friend)		X	
Are from the Armed Forces Community		X	
Does the proposal relate to an area where there are known inequalities/probable impacts (for example, disabled people's access to public transport)? Please give details.	No		
Will the proposal have a significant effect on how other organisations operate? (for example, partners, funding criteria, etc.). Do any of these organisations support people with protected characteristics?	No		

Appendix C

Please explain why you have reached this conclusion.				
Decision (Please tick one option)	EIA not relevant or proportionate:	✓	Continue to full EIA:	
Reason for decision	No adverse impacts are anticipated.			
Signed (Assistant Director or equivalent)	Michael Leah			
Date	07.02.24			

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	Government Consultations: Future Homes Standard and Home Energy Model
Brief description of proposal	Response to Govt consultation
Directorate	Environment
Service area	Environmental Services and Climate Change
Lead officer	Michael Leah
Names and roles of other people involved in carrying out the impact assessment	Jos Holmes, Climate Change Strategy Manager
Date impact assessment started	26.01.24

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.

It is common practice to develop an action plan to delivery strategic aims. The various activities contained therein reflect the numerous projects and activities which we plan to take.

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.

At this stage, there will be no impact on Council budgets. The Delivery Pathway activities which already have budgetary approval are included. Projects which do not yet have budgetary approval will require the normal financial approval processes.

<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>	<p>Positive impact (Place a X in the box below where relevant)</p>	<p>No impact (Place a X in the box below where relevant)</p>	<p>Negative impact (Place a X in the box below where relevant)</p>	<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>
<p>Minimise greenhouse gas emissions e.g. reducing emissions from travel, increasing energy efficiencies etc.</p>	<p>Emissions from travel</p>	<p>x</p>				
	<p>Emissions from construction</p>	<p>X</p>		<p>The consultation includes reference to new builds</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>	<p>Positive impact (Place a X in the box below where relevant)</p>	<p>No impact (Place a X in the box below where relevant)</p>	<p>Negative impact (Place a X in the box below where relevant)</p>	<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>	
	Emissions from running of buildings	X			The consultation includes reference to reducing the emissions from existing buildings through retrofitting and low carbon heating.		Both operational and resident / business emissions are included.
	Emissions from data storage		X				
	Other	X			A wide range of mitigation measures are proposed.		
<p>Minimise waste: Reduce, reuse, recycle and compost e.g. reducing use of single use plastic</p>		X					
<p>Reduce water consumption</p>		X					
<p>Minimise pollution (including air, land, water, light and noise)</p>	X				The consultation proposals will result in a decrease in pollution as a co-benefit.		

<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>	<p>Positive impact (Place a X in the box below where relevant)</p>	<p>No impact (Place a X in the box below where relevant)</p>	<p>Negative impact (Place a X in the box below where relevant)</p>	<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>
<p>Ensure resilience to the effects of climate change e.g. reducing flood risk, mitigating effects of drier, hotter summers</p>	X			<p>The consultation refers to this in the Adaptation section.</p>		<p>This section will support both internal operational and wider resident and business resilience.</p>
<p>Enhance conservation and wildlife</p>	X	x				
<p>Safeguard the distinctive characteristics, features and special qualities of North Yorkshire's landscape</p>		X				
<p>Other (please state below)</p>						

Are there any recognised good practice environmental standards in relation to this proposal? If so, please detail how this proposal meets those standards.

Existing building control regulations

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.

The consultation is in response to proposals to improve energy efficiency and low carbon heating for both new build, retrofit and converted properties both domestic and non-domestic.

Sign off section

This climate change impact assessment was completed by:

Name	Jos Holmes
Job title	Climate Change Strategy Manager
Service area	Environment and Climate Change
Directorate	Environment
Signature	J Holmes
Completion date	26.01.24

Authorised by relevant Assistant Director (signature): Michael Leah

Date: 07/02/2024