

Matrix to Assess Climate Change Impacts Aim is to reduce Carbon Emissions (CO2) by 80% by 2050	Positive impact	Negative impact	Mitigation measure	Effect on CO2 emissions (+ or - tonnes of CO2)	Opportunity to promote
Water Water Use and Flooding	Less water used	Resources are tight so may not be available	Consider linking into existing work programmes	Information not available	Water efficiency measures could be fitted into existing buildings
Energy Energy efficiency and energy saving in buildings, including opportunities for installation of renewable energy generation	<p>New build properties should be more energy efficient</p> <p>A programme of communal boiler replacement, energy efficiency improvements, heat recovery ventilation, anti condensation programme and boiler upgrades will improve energy efficiency.</p>	The reduced investment in the Council's existing stock (which was agreed at Cabinet on 15 December 2015) could affect energy efficiency and fuel poverty	Maximise resources in the HRA to maximise investment in the stock	Information not available	<p>New build properties – savings on energy bills</p> <p>Capital programme will improve energy efficiency via various measures as part of a programme of works.</p>

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Air Air quality, pollution	Less pollution via better energy efficiency	Inefficient boilers that are not replaced will have a negative impact on local air quality and the more energy inefficient a home is, the more you have to use the boiler, the more air pollutants from that boiler.	Maximise resources in the HRA to maximise investment in the stock	Information not available	New build properties – savings on energy bills Capital programme will improve energy efficiency via various measures as part of a programme of works.
Waste – reducing, reusing and recycling waste	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Land Use of brown-field and green-field sites	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Bio-diversity Effects on bio-diversity including green space,	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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trees, rivers and streams					
Transport Travelling to deliver service. Discouraging car use and encouraging walking, cycling and use of public transport	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Buildings Adaptability of buildings to heat or flooding. Use of green roofs, rainwater harvesting etc.	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Commentary on any differences in financial costings for climate change mitigation / adaptation measures including energy efficiency and potential external grant sources
Not applicable as this is a strategic level report
Potential “whole life costing” savings ie: increased installation costs will achieve running cost savings over lifetime; including reduced use of resources eg: water saving devices

Not applicable as this is a strategic level report
Explanation of Proposal chosen in context of results matrix assessment, including what mitigating steps can and have been taken
<p>The reduced investment in the Council's existing stock (which was agreed at Cabinet on 15 December 2015) could affect energy efficiency and fuel poverty.</p> <p>The capital programme includes provision for communal boiler replacement, energy efficiency improvements, heat recovery ventilation, anti condensation programme and boiler upgrades to a more efficient standard after 10-12 years. However, exact carbon savings or number of installations cannot be quantified at this stage as the programme is still to be developed. The annual carbon savings from the Capital programme are reported via the Council's Climate Local initiative.</p> <p>The service is reviewing work programmes to secure potential funding from Carbon Offset Fund.</p>
<u>Total Tonnes of CO2 & DEC rating of building to be occupied:</u> TO BE QUOTED DIRECTLY IN CABINET REPORT
Report not specific to one building so not applicable.