

**CLIMATE CHANGE PAPER - ACTION PLAN- APPENDIX A**

	<b>Short Term (to 2011)</b>	<b>Medium Term (to 2016)</b>	<b>Long Term (to 2021)</b>
<b>The Growth agenda</b>			
<p><b>Energy</b>  <i>Promote energy efficiency and renewable energy infrastructure to support zero carbon buildings</i></p>	<ul style="list-style-type: none"> <li>• Work with Renewables East to identify the viability of delivering site-wide renewable energy solutions for Northstowe</li> <li>• Support development of a special purpose vehicle to promote regional renewable energy initiatives</li> <li>• Develop a Renewable Energy Infrastructure Strategy for Growth to inform the Long Term Delivery Plan</li> <li>• Identify which public buildings in Northstowe can connect to a heat main to purchase local renewable power and heat</li> </ul>	<ul style="list-style-type: none"> <li>• Use learning from Northstowe to promote site-wide renewable solutions for growth sites</li> <li>• Establish ring-fenced carbon investment fund to provide upfront investment in low carbon infrastructure</li> <li>• Develop opportunities to provide the 600,000m<sup>2</sup> of public buildings planned in the in the growth sites with access to low or zero carbon energy supply</li> </ul>	<ul style="list-style-type: none"> <li>• Support the development of clean technology cluster in Cambridgeshire</li> </ul>

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<p><b>Transport</b> <i>Minimise CO2 emissions from growth related transport</i></p>	<ul style="list-style-type: none"> <li>• Work through RSS review to promote the Quality Charter to ensure homes, employment and services are correctly located for jobs and services</li> <li>• Identify how the estimated 240,000 tonnes per annum growth related transport emissions identified in the LTDP can be reduced</li> <li>• Promote and fund where applicable a network of strategic walking and cycling infrastructure for new developments</li> <li>• Sustainable Transport Plans for new communities including Southern Fringe</li> </ul>	<ul style="list-style-type: none"> <li>• Seek funding to support sustainable transport solutions for growth</li> <li>• Focus HGF funding to help develop sustainable transport solutions</li> <li>• Work with the Northstowe Community Trust to support new residents to establish healthy low carbon transport and lifestyle habits</li> <li>• Public transport – incentivising Cambridge Guided Bus usage</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure full implementation of measures listed in the local transport plan and CHUMMS</li> <li>• Use variable tariff to support sustainable transport projects</li> </ul>
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<p><b>Water</b> <i>Deliver water neutrality for new growth</i></p>	<ul style="list-style-type: none"> <li>• Deliver two Water Cycle Strategies for Cambridgeshire including: Major Sites in and around Cambridge plus Fenland and East Cambs.</li> <li>• Support the development of the Water Cycle Strategy for Hunts</li> <li>• Identify key water infrastructure requirements for growth and the sustainability measures that can be enacted.</li> <li>• Co-ordinate production of joint surface water management plans with planning authorities and developers (from Pitt Review)</li> <li>• Seek funding opportunities to deliver pilot projects in Growth sites on rainwater harvesting and storage systems, grey water recycling, cool roofs and porous pavements</li> </ul>	<ul style="list-style-type: none"> <li>• Develop guidance and understanding around achieving water neutrality in new developments</li> <li>• Get buy-in from stakeholders to Integrated Urban Drainage Management Systems (Pitt Review)</li> <li>• Deliver pilot projects for non-potable parallel water systems</li> <li>• Deliver cool roofs and pavements pilot projects</li> <li>• Work with the Northstowe Trust to identify possibilities for managing and maintaining SUDS locally</li> </ul>	<ul style="list-style-type: none"> <li>• Support the use of water bodies in new developments as heat sinks to support the adaptation to climate change</li> </ul>
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<p><b>Waste</b> <i>Design zero waste communities</i></p>	<ul style="list-style-type: none"> <li>• Develop a code of conduct with developers to ensure minimisation of construction waste</li> </ul>	<ul style="list-style-type: none"> <li>• Support the County Council to deliver 3 replacement recycling centres and new sites at Northstowe and around Cambridge</li> </ul>	
<p><b>Sustainable Construction</b> <i>Make Cambridgeshire the UK hub for sustainable construction</i></p>	<ul style="list-style-type: none"> <li>• Deliver aspirations stated in the Quality Charter to ensure masterplans for strategic sites contain comprehensive zero-carbon methodologies</li> <li>• Support Huntingdon Eco-home project through HGF funding</li> <li>• HGF support for the International Climate Exchange Project to develop skills in the construction industry</li> <li>• Support the development of a common building specification for zero carbon public buildings</li> </ul>	<ul style="list-style-type: none"> <li>• Work to deliver national academy for sustainable construction at Northstowe</li> <li>• Develop pilot projects demonstrating new techniques in sustainable construction at Northstowe and Cambridge fringe sites</li> <li>• Identify best practice methods of construction that seek to minimise embodied carbon in products and processes</li> </ul>	
<p><b>Green Infrastructure</b> <i>Promote high quality green infrastructure and open space to mitigate the effects of climate change and support habitat recreation as carbon sinks</i></p>	<ul style="list-style-type: none"> <li>• Review the Green Infrastructure Strategy to strengthen the role of GI in mitigating and adapting to climate change</li> </ul>	<ul style="list-style-type: none"> <li>• Identify an investment framework for the GI Strategy to support the adaptation and mitigation to climate change</li> </ul>	<ul style="list-style-type: none"> <li>• Invest over the long term in large scale GI projects such as the Great Fen and Wicken Fen that can have significant benefits for the mitigation and adaptation to climate change.</li> </ul>

<p><b>How can Growth support existing communities?</b>                      This part of the action plan will need to be developed with the Climate Change Partnership (CCP) as part of the LAA. Some ideas could include the following actions but it is important that these complement the work of the CCP.</p>			
<p><b>Energy</b></p>	<ul style="list-style-type: none"> <li>• Identify how and where renewable energy infrastructure for growth can be extended into existing communities.</li> <li>• Identify opportunities for renewable energy infrastructure as part of the growth agenda which can supply the national grid to reduce Cambridgeshire per capita carbon emissions</li> <li>• Identify if it is possible to ring fence monies from new developments to support energy efficiency measures for existing housing stock</li> </ul>	<ul style="list-style-type: none"> <li>• Support ICE project through HGF funding to embed low-carbon principles in housing and economic development</li> <li>• Work to ensure public sector buildings can provide anchor loads for district heating and low carbon infrastructure networks</li> <li>• Develop proposals on a sub-regional carbon offset mechanism between existing communities and new developments</li> </ul>	<ul style="list-style-type: none"> <li>•</li> </ul>
<p><b>Transport</b></p>	<ul style="list-style-type: none"> <li>• Support local public transport schemes</li> <li>• Support local walking and cycling networks that link new and existing communities</li> <li>• Encourage existing communities to adopt principles used for travel planning for new communities</li> </ul>	<ul style="list-style-type: none"> <li>• Participation in TIF working group to establish solutions to congestion in Cambridge</li> <li>• Ensure transport solutions for growth sites connect to and enhance travel options within existing communities</li> </ul>	<p>To be identified.</p>

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<b>Water</b>	<ul style="list-style-type: none"> <li>Identify how water neutrality for growth can support retro-fitting of existing houses to improve water efficiency.</li> </ul>	<ul style="list-style-type: none"> <li>Facilitate dialogue with water companies to identify effective metering and how to achieve universal application.</li> </ul>	
<b>Sustainable Construction</b>	<ul style="list-style-type: none"> <li></li> </ul>		<ul style="list-style-type: none"> <li>Ensure sustainable construction skills are developed throughout the region to support the growth of a sustainable construction sector.</li> </ul>
<b>Cambridgeshire Horizons</b>			
<b>How we go about our business?</b>			
Our Business	<p>Sign up to the Nottingham Declaration and Cambridge City Climate Change Charter</p> <p>Identify Cambridgeshire Horizons Business 'Carbon Footprint '</p> <p>Develop a training programme for Horizons staff to ensure knowledge of the climate change agenda suitable to their roles</p>	<p>Ensure Horizons role as a Growth Delivery Vehicle is known for its work on delivering low and zero carbon innovation</p> <p>Agree a 'Carbon Reduction' Strategy based on the carbon footprint of the business including travel plans etc</p>	