



## Framework for Strategic Programmes 2020-2025 Carbon Mitigation



These Strategic Programmes have been designed to deliver outcomes to reach our targets in 2050 and are therefore very long term and extensive in nature. As this is the first of the Frameworks to 2025 it mainly focuses on setting the foundations for these longer term programmes. Therefore many of the milestones will go beyond 2025, will overlap in terms of delivery and will be interdependant.



### KEY - progress against milestones

Green - good progress	Amber - some progress	Red - minimal progress	Yellow - interdependant action
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Key Policy Area	Programme	Key milestones to 2025	Progress 2020-2021
<b>Transport</b>  	Local Transport Plan 4	<ol style="list-style-type: none"> <li>1. Carbon from transport research - Identify measures most likley to achieve carbon reduction.</li> <li>2. Deliver tranche 2 emergency active travel scheme if bid is successful.</li> <li>3. All districts to have local Cycling Walking and Implementation plans.</li> <li>4. Agree new Active Travel design principles and implement.</li> <li>5. Develop an Electric vehicle strategy and action plan.</li> <li>6. Deliver Transforming Cities programmes.</li> </ol>	<ol style="list-style-type: none"> <li>1. Complete - Findings are that national action alone is not enough to reach carbon neutrality from transport. Local action is needed and soon.</li> <li>2. Tranche 1 delivered and Tranche 2 is subject to a formal decision process in July 2021 following consultaiton.</li> <li>3. Substantial progress towrds having all districts covered with LCWIPS. Most now have drafts which will be going out to consultation in 2021.</li> <li>4. Draft principles have been drafted and were shared at an active travel conference for co-design.</li> <li>5. In progress as part of LTP4.</li> <li>6. The three year delivery programme is on track.</li> </ol> <p style="text-align: center;"><a href="https://www.hants.gov.uk/transport/transportschemes/hantscovidtravel">https://www.hants.gov.uk/transport/transportschemes/hantscovidtravel</a></p>
<b>Residential</b>  	Hampshire housing retrofit accelerator	<ol style="list-style-type: none"> <li>1. Map energy efficiency of Hampshire-owned housing stock and understand potential for improvement and target energy efficiency solutions.</li> <li>2. Establish framework for identifying which properties to prioritise focusing on EPC rated E, F, G properties.</li> <li>3. Design retrofit programme, making use of existing successfull approaches (e.g. Energiesprong), and identifying potential pots of funding i.e incentivising retrofit through council tax or business rate reduction.</li> </ol>	<ol style="list-style-type: none"> <li>1 &amp; 2. Liaison has been ongoing with the Greater South East and South West Energy Hubs regarding the Local Authority Delivery Phase 2 of the Green Homes Grant (GHG LAD2). The Energy Hubs will be the lead consortia partner in Hampshire, and the District/Borough Councils are identifying suitable houses in their area for retrofit (for low income and certain EPC bands). The climate change team will be offering a governance structure through the Hampshire Climate Change Officers group to update.</li> <li>3. Working with the New Economics Foundation on a green economy, with a focus on retrofit skills and financing. Also exploring the opportunity to map retrofit needs and investement across the whole Hampshire housing stock.</li> </ol> <p style="text-align: center;">40+ groups are engaged with the Greening Campaign, with 16 community groups currently active across 7 district/borough council areas. 2 groups have completed Phase 1 and are ready to start Phase 2 which includes retrofit (alongside rewilding and health &amp; wellbeing pillars). Estimated carbon savings of a minimum 600 tonnes of CO2.</p> <p style="text-align: center;">The Envrionment Centre Freephone Advice Line has received 376 calls since its launch in 2020, with enquiries predominantly focused on the Government's Green Homes Grant schemes and energy efficiency.</p>




<p><b>Buildings &amp; Infrastructure</b></p> 	<p>Strategic Planning to support climate change</p>	<ol style="list-style-type: none"> <li>1. Working with the Hampshire &amp; Isle of Wight Planning Officers' Group to develop a consistent approach with districts for setting energy efficiency levels on both domestic and commercial developments.</li> <li>2. Working with the Hampshire &amp; Isle of Wight Planning Officers' Group to develop practical guidance for planning authorities on how to leverage planning requirements to drive climate action.</li> <li>3. Encourage land use planning that take into account carbon sequestration, renewables, nature, agriculture and promotes net environmental gain.</li> <li>4. Encourage local authorities within the county to use their planning and procurement powers to support the development of the zero carbon homes market in the region.</li> </ol>	<p>Engagement with the Local Planning Authorities through HIPOG has commenced. Looking to suggest that a sub-group be established to look at these issues in 2022.</p>
<p><b>Energy Generation &amp; Distribution</b></p> 	<p>Renewable energy generation accelerator</p>	<ol style="list-style-type: none"> <li>1. Mapping of opportunities for renewable energy generation across the County, including for example, commercial and industrial large roof sites.</li> <li>2. Liaise with LEP's, Energy Hubs etc to identify funding opportunities, partnerships and expertise.</li> <li>3. Identify key stakeholders, partners, business decision-makers etc for opportunities for joint working.</li> <li>4. Set up monitoring and reporting structure to identify how many feasibility studies are converted.</li> </ol>	<ol style="list-style-type: none"> <li>1. A project has been initiated with the University of Southampton to map the current and future energy Landscape for the wider Hampshire area. A gap analysis will form the basis for a future-looking energy strategy.</li> <li>2,3&amp;4. Ongoing engagement with LEPs, Energy Hubs etc. Community energy work is supporting renewable energy generation in Hampshire and the New Economics Foundation (NEF) work is looking at skills and financing, alongside mapping key stakeholders and partners going forward.</li> <li>4. The Solar Together Hampshire scheme had above average registrations and acceptances of the solar PV and battery storage offer, with an acceptance rate of 19% versus a target of 15%. 8,242 residents registered their interest for the scheme, with 1,567 residents continuing to accept. The supplier auction secured an average 36% discount compared to current market rates. It is expected that approximately 1,000 tonnes of carbon can be saved through the scheme.</li> </ol>
<p><b>Energy Generation &amp; Distribution</b></p> 	<p>'Support and Scale' Community energy programme</p>	<ol style="list-style-type: none"> <li>1. Review outcome of Community Energy South project to identify opportunities going forward for new community energy projects, providing community resilience.</li> <li>2. Design a targeted technical support programme around the findings, building awareness for community groups, and providing information or financing routes</li> </ol>	<p>1&amp;2. The CES project is on track and underway, providing first step support to the top 5 most developed community groups. Guidance is being produced to include, for example, technical, legal, governance and funding aspects. Masterclasses were delivered to over 90 individuals to introduce community energy. Also, developing a pilot project to act as a guide for other community groups going forward. Discussions underway for next steps for a strategic programme.</p>
<p><b>Energy Generation &amp; Distribution</b></p> 	<p>Energy Innovation Zone</p>	<ol style="list-style-type: none"> <li>1. Identify critical local energy issues which could be addressed to unlock a more resilient energy system for Hampshire.</li> <li>2. Design the Energy Innovation Zone concept and proposal, securing buy-in from relevant parties.</li> <li>3. Submit funding application to Central Government.</li> </ol>	<p>1-3. This work can only start after the work with Southampton University (see above) and New Economics Foundation is completed. Due to start in 2022.</p> <p>2-3. Will review relevance of an "Energy Innovation Zone" based on work and engagement with LEPs etc.</p>

<p><b>Waste &amp; circular economy</b></p> 	<p>Work with districts within Hampshire Waste Partnership to transition towards a carbon-driven waste system</p>	<p>Consistent recycling collections due to be introduced nationally from 2023.</p>	<p>Woods report analysing the optimum recycling collection system for Hampshire authorities finalised in early 2021. Carbon impacts was a key factor used in scoring the available collection options.</p>
<p><b>Natural environment</b></p> 	<p>Carbon sequestration opportunities</p>	<ol style="list-style-type: none"> <li>1. Understand the role of carbon sequestration and agree a monitoring and measurement framework.</li> <li>2. Map out all potential areas for action.</li> <li>3. Maximise appropriate opportunities for tree planting, rewilding, and biodiversity net gain etc to support carbon sequestration.</li> </ol>	<p>State of Natural Environment report published:  <a href="https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf">https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf</a></p> <ul style="list-style-type: none"> <li>- Annual Biodiversity Monitoring Report updated and Ecological Network Mapping updated.</li> <li>- Carbon storage mapping (by habitat type) available to inform habitat restoration/re-creation proposals.</li> <li>- Hampshire Spatial Framework for the environment and infrastructure work commissioned (March 2021) and due to be completed by July 2021: <a href="https://hampshire-spatial-framework-luc.hub.arcgis.com/">https://hampshire-spatial-framework-luc.hub.arcgis.com/</a></li> <li>- Work started on calculation of baseline carbon sequestration on the HCC green estate in 2020.</li> <li>- 1351 trees were planted in the 2020/21 season. Assuming each one of these trees reaches 40cms diameter (an estimated 20 years growth) 1351 new trees will have absorbed 18,942,688.5 kgs of CO2.</li> <li>- The Hampshire Tree Strategy was published in early 2020. A review of tree planting opportunities across the HCC rural estate has identified areas for future schemes to assist in the delivery of the Tree Strategy and mitigate for the impacts of Ash Dieback. A Hampshire Tree Strategy Action Plan is now being developed in liaison with the Forestry Commission, the Woodland Trust and other partners so that delivery of the strategy will link in with current and emerging policies and requirements around environmental net gain and local nature recovery strategies as set out in the Environment Bill and respond to the effects of Ash Dieback.</li> </ul>
<p><b>Business &amp; green economy</b></p> 	<p>Energy Efficiency in SME's</p>	<ol style="list-style-type: none"> <li>1. Identify SME's and networks.</li> <li>2. Scope out resources and information already available, to produce information about energy efficiency aimed at businesses.</li> <li>3. Working group with businesses to establish where HCC can support.</li> <li>4. Set up apprenticeship and training schemes.</li> <li>5. Link with local energy efficiency businesses.</li> <li>6. Establish how to set up a measurable baseline in order to set up a voluntary emissions reduction target.</li> </ol>	<p>1-6. This work can only start after the work by New Economics Foundation is completed.  Due to start in 2022.</p>

<p><b>Business &amp; green economy</b></p> 	<p>Developing a Hampshire green economy</p>	<p>1. Working with SME's etc, including those in rural areas, to understand the opportunities to develop a green economy in Hampshire.</p>	<p>The Council partnered with Hubbub to host a Green Recovery event for the Hampshire 2050 Partnership . Subsequently, work has been underway with the New Economics Foundation (NEF), aiming to improve living standards, rather than targeting GVA growth, by supporting the creation of good, secure jobs, and reducing emissions.</p> <p>The green recovery framework with NEF has so far included:</p> <ul style="list-style-type: none"> <li>- Reviewing the current state of jobs and skills required for a Green Economy.</li> <li>- Understanding the wider implications for economic recovery on all sectors of society youth, deprivation etc.</li> <li>- Interviewing key stakeholders within HCC, the Hampshire 2050 Partnership and some key figures. <ul style="list-style-type: none"> <li>- Identifying 'skills' as the single category for a deep dive analysis.</li> </ul> </li> <li>- Undertaking a Multi-Criteria Assessment framework survey to assess priority areas/actions with the Hampshire 2050 Partnership.</li> <li>- Developing Policy Labs with key stakeholders to focus on Skills and Retrofit.</li> </ul> <p>More work will be needed in 2022 to work with partners to deliver outcomes of NEF work.</p>
<p><b>Business &amp; green economy</b></p> 	<p>Retrofit training</p>	<p>1. Engage with Hampshire Futures etc to help set up construction and engineering training on retrofitting i.e commissioning and maintenance of heat pump systems.</p>	<p>This work can only start after the work by New Economics Foundation is completed. Due to start in 2022.</p>




## Framework for Strategic Programmes 2020-2025 Climate Change Resilience

These Strategic Programmes have been designed to deliver outcomes to reach our targets in 2050 and are therefore very long term and extensive in nature. As this is the first of the Frameworks to 2025 it mainly focuses on setting the foundations for these longer term programmes. Therefore many of the milestones will go beyond 2025, will overlap in terms of delivery and will be interdependent.

Key Policy Area	Programme	Key milestones to 2025	Progress 2020-2021
<b>Transport</b> 	Highways Infrastructure (Management)	<ol style="list-style-type: none"> <li>1. Identify and map highway assets most at risk from weather fluctuations.</li> <li>2. Develop existing highway asset data sets to identify required maintenance interventions.</li> <li>3. Identify appropriate material treatment and/or mitigation measures.</li> <li>4. Identify appropriate design standards and materials for new capital infrastructure.</li> <li>5. Embed life cycle and investment planning across all assets to optimise resilience of the network.</li> </ol>	<ol style="list-style-type: none"> <li>1. A highway resilient network (including assets) is being developed and mapped - this will need further refinement to identify specific one off assets most at risk from weather fluctuations.</li> <li>2. Development of existing highway asset data sets has commenced with improved flood hot spot identification. Drainage assets are well progressed and being reviewed with a trial of sensors to assess maintenance interventions.</li> <li>3. Little progress on this item to date - see material comments in item 4 below.</li> <li>4. A review and development of ETE technical guidance documents are underway for HCC and third party capital infrastructure. A review of materials has commenced with some trials of warm and cold materials proving successful. This will need to be written up and rolled out across the departments guidance docs, live contracts and into the relevant technical guidance.</li> <li>5. Life cycle tools and investment planning for ITS assets is being developed. This will give the department life cycle plans for C/W's, F/W's, Structures and ITS. This will help investment planning at budget setting stage for all assets to optimise resilience of the network.</li> </ol>
<b>Residential</b> 	Hampshire housing retrofit accelerator	<ol style="list-style-type: none"> <li>1. Map energy efficiency of Hampshire-owned housing stock and understand potential, ensuring resilience to overheating etc. is considered.</li> <li>2. Establish framework for identifying which properties to prioritise in terms of installing resilience measures such as SuD's and providing shading.</li> <li>3. Identify low regrets adaptation measures which can be easily integrated with typical energy retrofits.</li> </ol>	<ol style="list-style-type: none"> <li>1 &amp; 2. Liaison has been ongoing with the Greater South East and South West Energy Hubs regarding the Local Authority Delivery Phase 2 of the Green Homes Grant (GHG LAD2). Priority is emissions not resilience, more work needed to incorporate resilience.</li> <li>3. Working with the New Economics Foundation on a green economy with a focus on retrofit skills and financing. Also exploring the opportunity to map retrofit needs and investment across the whole Hampshire housing stock. This will help to support the resilience measures but more work is needed to understand how measures can be identified and delivered.</li> <li>3. Need to work across teams like Flood &amp; Water Management to identify messages for residents on building resilience.</li> </ol>
<b>Buildings &amp; Infrastructure</b> 	Urban resilience targets	<ol style="list-style-type: none"> <li>1. Engage with district councils on urban resilience, understand their current level, planned activities and general appetite.</li> </ol>	<p style="text-align: center;">Engagement with the Local Planning Authorities through HIPOG has commenced. Looking to suggest that a sub-group be established to look at these issues.</p>

<p><b>Buildings &amp; Infrastructure</b></p> 	<p>Flood risk management</p>	<p>1. Engagement with district councils and developers regarding new developments on flood risk land.</p>	<p>As the Lead Local Flood Authority, HCC has:</p> <ul style="list-style-type: none"> <li>- Continued to engage with LPAs as the statutory consultee for surface water management on major developments since 2015 <a href="https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/911812/surface-water-drainage-review.pdf">https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/911812/surface-water-drainage-review.pdf</a></li> <li>- Chaired quarterly Technical Delivery Group meetings involving representatives of risk management authorities including LPAs.</li> <li>- Published the new Local Flood and Water Management Strategy: <a href="https://documents.hants.gov.uk/flood-water-management/local-flood-water-management-strategy.pdf">https://documents.hants.gov.uk/flood-water-management/local-flood-water-management-strategy.pdf</a></li> <li>- Supported the preparation of the national "Report of a review of the arrangements for determining responsibility for surface water and drainage assets".</li> <li>- Started to work with Partnership for South Hampshire on Strategic Flood Risk Assessment.</li> <li>- Participated in the Environment Agency Flood and Coastal Resilience Innovation Programme Community: <a href="https://www.gov.uk/guidance/flood-and-coastal-resilience-innovation-programme">https://www.gov.uk/guidance/flood-and-coastal-resilience-innovation-programme</a>.</li> <li>- Commissioned Outer Winchester – Strategic Flood and Water Management Pilot Programme.</li> </ul>
<p><b>Buildings &amp; Infrastructure</b></p> 	<p>Strategic Planning to support climate change</p>	<p>1. Encourage local planning authorities to create an evidence base of existing green corridors as well as potential urban heat island.</p> <p>2. Establishing a spatial framework to steer sustainable and resilient development, to include consideration of the impacts of climate change on development.</p> <p>3. Encourage through the Hampshire &amp; Isle of Wight Planning Officers' Group the development of guidance for planning authorities on how to leverage planning requirements to drive climate action that addresses resilience.</p>	<p>Engagement with LPAs through HIPOG has commenced. The Hampshire Spatial Framework has been commissioned and will be completed by July 2021.</p>
<p><b>Energy Generation &amp; Distribution</b></p> 	<p>'Support and Scale' Community energy programme</p>	<p>1. Review outcome of Community Energy South (CES) project to identify opportunities going forward for new community energy projects, providing community resilience.</p> <p>2. Design a targeted technical support programme around the findings of the CES project, building awareness for community groups, and providing information or financing routes.</p>	<p>1&amp;2. The CES project is on track and underway, providing first step support to the top 5 most developed community groups. Guidance is being produced to include, for example, technical, legal, governance and funding aspects. Masterclasses were delivered to over 90 individuals to introduce community energy. Also developing a pilot project to act as a guide for other community groups going forward. Discussions underway for next steps for a strategic programme.</p>

<p><b>Energy Generation &amp; Distribution</b></p> 	<p>Energy Innovation Zone</p>	<ol style="list-style-type: none"> <li>1. Identify critical local energy issues which could be addressed to unlock a more resilient energy system for Hampshire.</li> <li>2. Design the Energy Innovation Zone concept and proposal, securing buy-in from relevant parties.</li> <li>3. Submit funding application to Central Government.</li> </ol>	<p>1-3 This work can only start after the work with University of Southampton (see above) and New Economics Foundation is completed. Due to start in 2022.</p> <p>2-3. Will review relevance of an "Energy Innovation Zone" based on work and engagement with LEPs etc.</p>
<p><b>Waste &amp; Circular Economy</b></p> 	<p>Work with districts within Hampshire Waste Partnership to create a more resilient waste system</p>	<ol style="list-style-type: none"> <li>1. Identify critical points of vulnerability in the waste collection and treatment process.</li> <li>2. Identify where circular practices and principles can be adopted or adapted to reduce their exposures. This includes looking at potential synergies and efficiencies across district boundaries.</li> </ol>	<p>Hampshire's waste strategy will be updated later in 2021 and will consider whole system costs and potential synergies. The outcomes of Government consultations on consistent collections, extended producer responsibility, and introducing a deposit return scheme will have a significant bearing on HCC's strategy development. The existing Waste Prevention Programme incorporates circular practice ambitions.</p>
<p><b>Natural Environment</b></p> 	<p>Green infrastructure opportunities</p>	<ol style="list-style-type: none"> <li>1. Understand the role of green infrastructure in reducing climate impacts (e.g minimising flooding and overheating) and agree a monitoring and measurement framework.</li> <li>2. Maximise appropriate opportunities for tree planting, rewilding, and biodiversity net gain etc to support benefits such as habitat creation and flood management.</li> </ol>	<ul style="list-style-type: none"> <li>-The Hampshire Spatial Framework has been commissioned and will be completed by July 2021 - The Framework is shaped around 10 themes – covering everything from biodiversity, landscape and seascape, to broadband, waste and minerals. However the spatial opportunities identified will be 'multifunctional', focusing on the place-based overlap between the themes: <a href="https://hampshire-spatial-framework-luc.hub.arcgis.com/">https://hampshire-spatial-framework-luc.hub.arcgis.com/</a></li> <li>- Publication of new Local Flood and Water Management Strategy which focuses on the benefits of Natural Flood Management.</li> <li>- Collaborative working with strategic partners to develop thinking about Local Nature Recovery Strategies</li> <li>- Work started on development of Hampshire Tree Strategy Action Plan and submitted response to England Tree Strategy consultation</li> <li>- Participation in ELM Convenor Partnership</li> </ul>
<p><b>Business &amp; Green Economy</b></p> 	<p>Developing a resilient Hampshire green economy</p>	<ol style="list-style-type: none"> <li>1. Research existing evidence and consult SME's etc, including those in rural areas, to understand the opportunities and barriers to developing a resilient green economy in Hampshire.</li> <li>2. Off the back of this, leverage partner organisations' activities and plan targeted interventions to support Hampshire's SMEs in taking on ambitious steps to improve resilience, and in the process, drive innovation.</li> </ol>	<ol style="list-style-type: none"> <li>1. The Council partnered with Hubbub to host a Green Recovery event for the Hampshire 2050 Partnership . Subsequently, work has been underway with the New Economics Foundation (NEF), aiming to improve living standards, rather than targeting GVA growth, by supporting the creation of good, secure jobs, and reducing emissions. <ul style="list-style-type: none"> <li>The green recovery framework with NEF has so far included: <ul style="list-style-type: none"> <li>- Reviewing the current state of jobs and skills required for a Green Economy.</li> <li>- Understanding the wider implications for economic recovery on all sectors of society youth, deprivation etc.</li> <li>- Interviewing key stakeholders within HCC, the Hampshire 2050 Partnership and some key figures.</li> <li>- Identifying 'skills' as the single category for a deep dive analysis.</li> </ul> </li> <li>- Undertaking a Multi-Criteria Assessment framework survey to assess priority areas/actions with the Hampshire 2050 Partnership.</li> <li>- Developing Policy Labs with key stakeholders to focus on Skills and Retrofit.</li> </ul> </li> <li>2. More work will be needed with partners using outcomes of NEF work.</li> </ol>

<p><b>*NEW*</b> Public Health</p> 	<p>Health co-benefits</p>	<p>Through the Health and Wellbeing Board, agree joint priorities between partners that both benefit health and mitigate climate change, including air quality, active travel, healthy homes</p>	<p>New programme added in 2021-22</p>
<p><b>*NEW*</b> Public Health</p> 	<p>Inequalities</p>	<p>Use a data-driven approach to identify the most significant inequalities in relation to climate change</p>	<p>New programme added in 2021-22</p>
<p><b>*NEW*</b> Public Health</p> 	<p>Joint working with the NHS</p>	<p>Take a system approach to climate change with the NHS, working through the Integrated Care System's Prevention and Inequalities Board to identify shared priorities</p>	<p>New programme added in 2021</p>