


Climate Change 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 interdependent.

KEY - progress against milestones

Green - good progress	Amber - some progress	Red - minimal progress	Yellow - interdependent action
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Key Policy Area	Programme	Key milestones	Progress 2021-2022
Transport 	Local Transport Plan 4	<ol style="list-style-type: none"> 1. Carbon from transport research - Identify measures most likely to achieve carbon reduction. 2. Deliver tranche 2 emergency active travel scheme if bid is successful. 3. All districts to have local Cycling Walking and Implementation plans. 4. Agree new Active Travel design principles and implement. 5. Develop an Electric vehicle strategy and action plan. 6. Deliver Transforming Cities programmes. 	<p>1 - DfT have published a decarbonisation toolkit. Work is also evolving with transport for the South East who are looking to develop a regional centre of excellence also looking at this issue. Across the sector various new assessment tools are also being developed and HCC officers are reviewing which ones may be applicable in a HCC context.</p> <p style="text-align: center;">2. Complete</p> <p style="text-align: center;">3. Ongoing</p> <p>4. The plan is to adopt them alongside the LTP4 in Early 2023 subject to DfT LTP4 guidance being issued. In the meantime they are being applied in current practice anyway.</p> <p>5. The Draft LTP sets a good policy framework but in addition to that TfSE have been asked by Government to develop a regional electric vehicles strategy. HCC will be inputting into that. Further to this Government are considering imposing a new statutory duty on Local Transport Authorities. The details of this are to be announced. When they are clear further HCC action will follow.</p> <p>6. Still on track although inflationary cost increases and reduced availability of materials in the construction sector may result in a need for the programme to be extended</p>

<p>Residential</p> 	<p>Hampshire-wide retrofit programme</p>	<ol style="list-style-type: none"> 1. Map energy efficiency of Hampshire's housing stock, understand potential for improvement and target energy efficiency solutions. 2. Design retrofit programme, making use of existing successful approaches (e.g. Energiesprong), and identifying potential pots of funding. 3. Engage with net zero hubs to support delivery of retrofit for low income households. 	<ol style="list-style-type: none"> 1. Parity Projects were commissioned to produce a Pathways Report that detailed the energy efficiency status of every residential property in the pan-Hampshire area. An overall report was produced as well as reports for each district/borough. The report summarised the total interventions required to bring the housing stock in Hampshire to net zero. The total cost would be between £17.3bn and £29.6bn and the number of tradespeople required would be between 2,220 and 6,170 per year to 2050, depending on the scope of intervention. 2. The climate change team has commissioned Parity Projects to develop a Residential Retrofit Programme for Hampshire. They have previously developed RetrofitWorks in London and Cosy Homes in Oxfordshire, which became the first profit making retrofit scheme in the county in December 2021. A six month consultation period will lead to the presentation of a bespoke business plan for Hampshire that could be launched in early 2023. This work will consider suitable funding and governance mechanisms, ensuring a sustainable outcome for Hampshire. 3. Central government provides funding to assist low-income households living in EPC rated E, F and G properties. This is primarily delivered through the Net Zero Hubs as the Local Authority Delivery (LAD) schemes. LAD3 is due to start in 2022. The Home Upgrade Grant and Boiler Upgrade Schemes offer grant funding to support households to install energy efficiency measures. The Environment Centre supports Hampshire residents in navigating these schemes. The Parity Project Pathways Report also identifies the lowest rated properties allowing for targeted interventions, helping to shape district/borough activities on retrofit.
<p>Buildings & Infrastructure</p> 	<p>Strategic Planning to support climate change</p>	<ol style="list-style-type: none"> 1. Working with the Hampshire & Isle of Wight Planning Officers' Group to develop a consistent approach with districts for setting energy efficiency levels on both domestic and commercial developments. 2. Working with the Hampshire & Isle of Wight Planning Officers' Group to develop practical guidance for planning authorities on how to leverage planning requirements to drive climate action. 3. Encourage land use planning that take into account carbon sequestration, renewables, nature, agriculture and promotes net environmental gain. 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. 	<p>HIPOG are working together to understand the implications of new and emerging legislation and guidance (such as the Environment Act and Levelling-Up and Regeneration Bill) and that tools are available to tackle climate change mitigation through land use planning. Forthcoming Building Regs changes are expected to help move towards net zero carbon homes with improved energy efficiency.</p>

<p>Energy Generation & Distribution</p> 	<p>Developing a local area energy strategy</p>	<ol style="list-style-type: none"> 1. Develop a Hampshire energy strategy to cover generation, distribution and efficiency. 2. Engage Hampshire residents on energy issues, from efficiency to community renewable energy generation. 3. Continue to support installation of solar panels and batteries for Hampshire households. 4. Liaise with LEP's, Local Net Zero Hubs etc to identify funding opportunities, partnerships and expertise. 	<ol style="list-style-type: none"> 1. The University of Southampton completed a report mapping the current energy landscape in Hampshire in December 2021. A further three years of work packages have been agreed with Southampton to provide a robust evidence base for an energy strategy and action plan for Hampshire to 2050. 2. Provide trusted advice to residents on a range of issues including Government's Green Homes Grant schemes, energy efficiency and renewable energy generation to support behaviour and lifestyle changes in partnership with The Environment Centre. Development of a new website will directly support the ongoing work on retrofit alongside helping to signpost residents to upcoming grants/funding and how to access them and provide guidance on the most appropriate financing for their circumstances. See also below section on community energy. 3. The Solar Together scheme is continuing to install solar PV on private homes with an average discount on the going market rate. Over 700 installations are expected by Autumn 2022. 4. The Council is working with Community Energy South, the University of Southampton, SSEN, the Local Net Zero Hubs, and the district and borough councils to forward the agenda.
<p>Energy Generation & Distribution</p> 	<p>'Support and Scale' Community energy programme</p>	<ol style="list-style-type: none"> 1. Review outcome of Community Energy South project to identify opportunities going forward for new community energy projects, providing community resilience. 2. Design a targeted technical support programme around the findings, building awareness for community groups, and providing information or financing routes 	<ol style="list-style-type: none"> 1. The Community Energy South (CES) project, funded by the Community Renewal Fund, Oct 21-Oct 22, is continuing to help 5 core community groups reach viability. A Hampshire Community Energy Steering group has been established to share best practice and to develop a community energy network. Masterclasses continue to spread the word and coordination with the Greening Campaign allows for more communities to become involved. 2. The £250,000 Revolving Community Energy Fund allows the council to invest up to £25,000 into any community energy company that reaches the share offer stage through the CES pathways programme. These small investments will signal Hampshire's belief in community energy and encourage further private investment. The steering group is also considering how to incorporate a Community Benefit Policy into the DNA of current and future community energy companies to ensure all communities are supported in developing energy projects and the benefits of renewable energy projects are seen across the community.
<p>Waste & circular economy</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>Twin stream recycling collections were established by Woods as the preferred environmental and economic option for Hampshire authorities to meet the requirements of the consistency agenda. National timescales have been delayed, with Hampshire authorities set to transition to twin stream collections from April 2024. National requirements for food waste collections will see a shift from energy recovery incineration to Anaerobic digestion for the treatment of food waste. Changes to red diesel usage mean that WCAs are looking at alternative fuels for collection vehicles. The Project Integra Joint Municipal Waste Management Strategy aligns itself with the waste hierarchy, with partnership working is a key objective of the strategy. This may provide opportunities for cross border working.</p>

<p>Natural environment</p> 	<p>Carbon sequestration opportunities</p>	<ol style="list-style-type: none"> 1. Understand the role of carbon sequestration and agree a monitoring and measurement framework. 2. Map out all potential areas for action. 3. Maximise appropriate opportunities for tree planting, rewilding, and biodiversity net gain etc to support carbon sequestration. 	<p>1 & 2. The County Council has worked closely with Districts, Parishes and other partners such as the Hampshire and Isle of Wight Local Nature Partnership, Natural England and the Forestry Commission on a range of initiatives including carbon storage mapping and the preparation of a natural capital plan (https://hantswightlnp.wordpress.com/projects/).</p> <p>3. The County Council is currently implementing a further £1.2million investment to protect and enhance the natural environment, and tackle climate change, including projects such as rewilding and creating a propagation unit at Sir Harold Hillier Gardens to nurture plants at risk from rising temperatures.</p> <p>3. County Council appointed as provisional Responsible Authority for the preparation of the Local Nature Recovery Strategy for Hampshire.</p> <p>In July 2021, the County Council committed to prepare an Environment Strategy that would create a shared vision and outcomes across the County Council that will help tackle key challenges and opportunities through collaboration, embedding environmental issues, considerations and thinking in all that we do. It will recognise Hampshire's environment's fundamental importance to our economy and productivity, health & wellbeing, and climate resilience. It will identify key objectives and outcomes which will be delivered through existing or emerging strategies (e.g., economic strategy, Local Nature Recovery Strategy etc.).</p>
<p>Business & green economy</p> 	<p>Energy Efficiency in businesses</p>	<ol style="list-style-type: none"> 1. Identify businesses and networks. 2. Scope out resources and information already available, to produce information about energy efficiency aimed at businesses. 	<p>A COP26 event was delivered with businesses at Queen Elizabeth County Park - 'The Journey to Carbon Neutral'. Aligned with the UN Climate Change Conference, COP26, the event attracted 50 Hampshire based businesses, sharing their innovative ideas and technologies to showcase solutions to achieving sustainable carbon neutral targets.</p> <p>Speakers from Marwell Zoo, Amiri, Lionel Hitchen, and powerQuad outlined how they were striving to become more sustainable and reach climate targets. The event provided an opportunity for businesses to network and build relationships to support one another in achieving carbon neutrality and sustainability.</p>
<p>Business & green economy</p> 	<p>Developing a Hampshire green economy</p>	<ol style="list-style-type: none"> 1. Working with businesses etc, including those in rural areas, to understand the opportunities to develop a green economy in Hampshire. 	<p>An Economic Strategy is currently being developed, with a draft presented to the Hampshire 2050 Partnership in July 2022. The Strategy will cover the Hampshire County Council area, though recognises the important links elsewhere, particularly with Pan-Hampshire partners, many of whom represent the Hampshire 2050 Partnership.</p> <p>Increasingly, environmental crises around the world are a reminder of how much economic damage natural disasters can cause. Designing an economic strategy for Hampshire needs to respond to this complexity. This strategy will help guide and shape our decisions to ensure that Hampshire continues to thrive and support the wellbeing of all our residents and our unique place.</p>

**Business & green
economy**



Developing a
Hampshire green
economy

1. Engage with businesses to develop a Hampshire-wide retrofit programme and to identify necessary skills to deliver.



Following recommendations from the New Economics Foundation and analysis from Parity Projects a clear picture of the trades and skills required to deliver retrofit has emerged to guide our future programme of work.




As part of the home retrofit for the able to pay market, engagement and exploration being undertaken by Parity Projects and the climate change team there is a focus on the skills required and how to bolster the training and learning. Engagement of further education and technical colleges will inform the business case to be presented to HCC at the end of 2022.




A licence agreement has been entered into with the Retrofit Academy to begin developing training and skills for retrofit in Hampshire.

Climate Change Framework for Strategic Programmes 2020-2025

Climate Change Resilience

Key Policy Area	Programme	Key milestones	Lead Department	Progress 2021-2022
Transport 	Highways Infrastructure (Management)	<ol style="list-style-type: none"> 1. Identify and map highway assets most at risk from weather fluctuations. 2. Develop existing highway asset data sets to identify required maintenance interventions. 3. Identify appropriate material treatment and/or mitigation measures. 4. Identify appropriate design standards and materials for new capital infrastructure. 5. Embed life cycle and investment planning across all assets to optimise resilience of the network. 	ETE	<ol style="list-style-type: none"> 1. A highway resilient network (including assets) is ongoing, but capacity issues means this will be progressed in 22/23. 2. Development is on going with mapping. Gully sensors trial will commence in 22-23 to ensure more effective routine cleansing. However, there have been issues with a lack of chips available globally. 3. Little progress on this item to date - see material comments in item 4 below. 4. Review of materials has commenced with some trials and these are being written into the technical guidance. Most Technical Guidance Notes are now published and these in conjunction with the Asset Management scheme consultation process ensure that new highway infrastructure (added from the capital programme or developer led schemes) consider the lifecycle of the new asset and are designed to limit whole life costs and future maintenance requirements which will reduce the carbon footprint of the highway service and limit network disruption. 5. Life cycle tools and investment planning for ITS assets is almost complete. This means the department has 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.
Residential 	Hampshire-wide retrofit programme	<ol style="list-style-type: none"> 1. Map energy efficiency of Hampshire's housing stock, understand the potential for improvement, ensuring resilience to overheating etc. is considered, and target solutions. 2. Design retrofit programme, including resilience measures, making use of existing successful approaches (e.g. Energiesprong), and identifying potential pots of funding 3. Engage with net zero hubs to support delivery of retrofit for low income households. 	ETE	<ol style="list-style-type: none"> 1. Parity Projects were commissioned to produce a Pathways Report that detailed the energy efficiency status of every residential property in the pan-Hampshire area. An overall report was produced as well as reports for each district/borough. While resilience is not the focus of this work, more energy efficient homes will be more resilient to both the impacts of climate change (such as extreme heat) and to energy supply/price shocks. 2. The development of the residential retrofit scheme is engaging with stakeholders from a broad section of society, including advocacy groups, universities, practitioners and utilities. This process will inform the nature of the programme and resilience will be a consideration in this process. 3. Central government provides funding to assist low-income households living in EPC rated E, F and G properties. This is primarily delivered through the Net-Zero Hubs as the Local Authority Delivery (LAD) schemes. LAD3 is due to start in 2022. The Home Upgrade Grant and Boiler Upgrade Schemes offer grant funding to support households to install energy efficiency measures. The Environment Centre supports Hampshire residents in navigating these schemes. The Parity Project Pathways Report also identifies the lowest rated properties allowing for targeted interventions, helping to shape district/borough activities on retrofit.

<p>Buildings & Infrastructure</p> 	<p>Urban resilience targets</p>	<p>1. Engage with district councils on urban resilience, understand their current level, planned activities and general appetite.</p>	<p><i>ETE</i></p>	<p>HIPOG are working together to understand the implications of new and emerging legislation and guidance (such as the Environment Act and Levelling-Up and Regeneration Bill) and that tools are available to help deliver urban resilience.</p>
<p>Buildings & Infrastructure</p> 	<p>Flood risk management</p>	<p>1. Engagement with district councils and developers regarding new developments on flood risk land.</p>	<p><i>ETE</i></p>	<p>Suite of 18 Catchment Management Plans (CMPs) prepared covering all catchments in Hampshire. Plans highlight areas most at risk and policies to reduce risk. Hampshire Strategic Flood and Water Management Partnership relaunched. Worked with Environment Agency on preparation of the Flood Risk Management Plan (FRMP) for the Farnborough area.</p>
<p>Buildings & Infrastructure</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 & 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><i>ETE</i></p>	<p>1. PFSH has commissioned a green-belt study for the south of the County which is looking at opportunities for protecting and enhancing green corridors. Emerging local plans provide the evidence base for green infrastructure strategies and plans. The Local Nature Recovery Strategy will also provide a county-wide evidence base.</p> <p>2. The Hampshire Framework: Towards 2050 has been prepared.</p> <p>3. HIPOG are working to understand what tools are available through new and emerging legislation and policy which will help planning address climate change requirements.</p>

<p>Energy Generation and Distribution</p> 	<p>'Support and Scale' Community energy programme</p>	<ol style="list-style-type: none"> 1. Review outcome of Community Energy South (CES) project to identify opportunities going forward for new community energy projects, providing community resilience. 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>ETE</p>	<ol style="list-style-type: none"> 1. The Community Energy South project, funded by the Community Renewal Fund, Oct 21-Oct 22, is continuing to help 5 core community groups reach viability. A Hampshire Community Energy Steering group has been established to share best practice and to develop a community energy network. Masterclasses continue to spread the word and coordination with the Greening Campaign allows for more communities to become involved in energy generation. Local, community owned energy adds resilience at the community level to future energy shocks. 2. The £250,000 Revolving Community Energy Fund allows the council to invest up to £25,000 into any community energy company that reaches the share offer stage through the CES pathways programme. The steering group is also considering how to incorporate a Community Benefit Policy into the DNA of current and future community energy companies to ensure all communities are supported in developing energy projects and the benefits of renewable energy projects are seen across the community. Resilience is a major consideration for any community benefit policy.
<p>Waste & Circular Economy</p> 	<p>Work with districts within Hampshire Waste Partnership to create a more resilient waste system</p>	<ol style="list-style-type: none"> 1. Identify critical points of vulnerability in the waste collection and treatment process. 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. 	<p>ETE</p>	<p>The Project Integra Joint Municipal Waste Management Strategy (JMWMS) aligns itself with the waste hierarchy, with partnership working is a key objective of the strategy. The JMWMS has been refreshed, with collection authorities agreeing to move to twin stream recycling collections which are the preferred option in carbon terms and may provide opportunities for cross boundary working. The Hampshire waste strategy will be updated later this year. The Hampshire Waste Prevention Programme incorporates circular practice ambitions. Hampshire has responded to government consultations on packaging reforms and national waste prevention plan to encourage greater focus on circular practices.</p>
<p>Natural Environment</p> 	<p>Green infrastructure opportunities</p>	<ol style="list-style-type: none"> 1. Understand the role of green infrastructure in reducing climate impacts (e.g minimising flooding and overheating) and agree a monitoring and measurement framework. 2. Maximise appropriate opportunities for tree planting, rewilding, and biodiversity net gain etc to support benefits such as habitat creation and flood management. 	<p>ETE/CCBS</p>	<p>Excellent feedback from partner organisations on the Hampshire Flood and Water Management Strategy.</p> <p>Suite of 18 Catchment Management Plans (CMPs) covering all catchments in Hampshire, highlighting areas most at risk of planning and focussing on working with natural processes and the drainage hierarchy to reduce risk.</p> <p>Pilot project looking at Natural Flood Management opportunities within the Itchen catchment to reduce flood risk down stream including in the city of Winchester.</p> <p>Working with Countryside and the Climate Change team on producing infographics, videos and pod casts on Natural Flood Management and Working with Natural Processes (WWNP).</p> <p>County Council appointed as provisional Responsible Authority for the preparation of the Local Nature Recovery Strategy for Hampshire. As part of its commitment to protecting the county's ecological diversity and cultural heritage, the County Council has signed an agreement with the Woodland Trust, working with Natural England and all the District and Unitary Councils, to produce an updated ancient woodland inventory.</p>

<p>Business & Green Economy</p> 	<p>Developing a resilient Hampshire green economy</p>	<p>1. Understand opportunities and barriers to developing a resilient green economy in Hampshire.</p>	<p>ETE</p>	<p>An Economic Strategy is currently being developed, with a draft presented to the Hampshire 2050 Partnership in July 2022. The Strategy will cover the Hampshire County Council area, though recognises the important links elsewhere, particularly with Pan-Hampshire partners, many of whom represent the Hampshire 2050 Partnership.</p> <p>Increasingly, environmental crises around the world are a reminder of how much economic damage natural disasters can cause. Designing an economic strategy for Hampshire needs to respond to this complexity. This strategy will help guide and shape our decisions to ensure that Hampshire continues to thrive and support the wellbeing of all our residents and our unique place.</p>
<p>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: Review Hampshire Corporate Climate Change Strategy and Public Health actions / value adding opportunities</p>	<p>Adults' Services/Public Health</p>	<p>In progress. Public Health have built relations with partners across the system, championing co-benefits of actions which support both health and the environment. With Transport and the Town and Country Planning Association, PH have delivered four workshops focusing on air quality and health, recommendations from which are now in the process of being implemented strategically.</p> <p>PH have also contributed to Transport strategic frameworks such as Local Transport Plan 4 (LTP4) and emerging Local Cycling and Walking Infrastructure Plans (LCWIPs) to ensure a Health in All Policies Approach is being taken. With spatial planning and Housing colleagues, the importance of sustainable design for both health and climate change resilience has been highlighted and considered when planning new developments.</p>
<p>Public Health</p> 	<p>Inequalities</p>	<p>Use a data-driven approach to identify the most significant inequalities in relation to climate change: Consider broader workforce and developing competence/confidence in climate change; Create short document including key reports, literature and e-learning for the benefit of Public Health shared learning; Scoping review and evidence summary on the health impacts of climate change</p>	<p>Adults' Services/Public Health</p>	<p>Data is being gathered and scoped to ensure a data-driven approach is being used. This includes data on social vulnerability, flood risk, heat stress risk and mental health impacts.</p>
<p>Public Health</p> 	<p>Joint working with the NHS</p>	<p>Take a system approach to climate change, working with the NHS to identify shared priorities</p>	<p>Adults' Services/Public Health</p>	<p>PH and AHC are supporting the implementation of NHS Greening Plan.</p>