

## Carbon Mitigation Action Plan 2020-2025 Progress 2020-21

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Transport</b>					
<b>Electrification</b>	4 engagement officers working with general public across Hampshire - attending events, meeting etc to raise awareness of Connect to Support Hampshire contributing to demand management for Adults' Health and Care. To minimise environmental impact these staff use electrical vehicles	Adults social care	Use of pool cars and public transport no longer required. Vehicles also used during the pandemic to distribute kit to staff which reduced the need to use the IT vehicles or ask staff to drive in.  Since the introduction of the three electric vehicles in 2019, they have saved 36.76 tonnes of carbon compared to petrol alternatives.		
<b>Electrification</b>	Incentivise use of electrically powered vehicles when technology has advanced to guarantee effectiveness and reliability	Adults social care		HCC Care Day opportunities have been paused during the pandemic. Services restarted in April. Planning wider transformation of approach and will consider transport issues within the work	
<b>Electrification</b>	ETE department to change all (suitable) diesel vehicles to Electric.	Highways (commissioning)	A review of possible vehicle changes in 21/22 is underway and some vehicles will get replaced with EV. Some vehicles will have to wait until 22/23 and 23/24 due to current lease agreements.	There is a risk that the electric supply and EV charging point in the ETE depots is not sufficient and is included in the future EV vehicle review.	
<b>Electrification</b>	Transition Skanska HHSC Operational fleet (3.5T, 7.5T 15T) to electric.	Highways (commissioning)		Due to manufacturers role out of this type of vehicle no progress to date, but anticipated to be a 5 year plus target.  Interim option is to use HVO which has a 90% carbon reduction, and this is being implemented in 2021 across the majority of the Milestone operational fleet and plant.	
<b>Electrification</b>	Transition Skanska company car fleet to hybrid and electric.	Highways (commissioning)	1 company van on trial for Milestone. Company car policy includes looking at low carbon options, but will be changed only upon end of lease.	Replacements will only occur when current leases come to an end. Currently every 5 years.	
<b>Electrification</b>	Look at travel plans for site teams and personnel visiting site or provide electric pool vehicles for members of staff regular traveling for work.	Highways (commissioning)		No progress to date	
<b>Electrification</b>	Geotechnic and Land Survey vehicles to change to electric where appropriate (4x4 electric not readily available).	Highways (commissioning)	A review of possible vehicle changes in 21/22 is underway and some vehicles will get replaced with EV. Some vehicles will have to wait until 22/23 and 23/24 due to current lease agreements.	There is a risk that the electric supply and EV charging point in the ETE depots and Trafalgar House is not sufficient and is included in the future EV vehicle review.	
<b>Electrification</b>	To explore the possibility of introducing an Ultra-Low Emission Vehicles (ULEVs) scheme across Hampshire County Council (HCC).	HR	Proposals are being developed for consideration	This workstream has been impacted by other priorities linked to Covid-19	

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Electrification	Actively trial and promote new vehicle technology when it arrives on the market e.g. electric minibus	CCBS	We are seeking opportunities to test and trial new, or more green, vehicle technologies. Technologies already being tested include HVO fuel and EV pool cars.		
Electrification	Default position to be electric vehicles as part of the HCC fleet replacement transition. Now this has been agreed, there needs to be guidance and challenge to departments on fleet replacements and new vehicle requests.	CCBS	Policy change in HCC to commit to EV replacement as default approach for eligible vehicles has been agreed. This applies to cars and small vans for which electric vehicles are viable alternatives. The County Council will now procure electric vehicles as default. By 2028, the cycle should be complete and in-scope fossil fuel powered cars and vans (hybrids) will be by exception only. Went to CMT for agreement on 13/01/21 and approved at the executive member decision day.		<a href="https://democracy.hants.gov.uk/documents/s68218/Decision%20Record.pdf">https://democracy.hants.gov.uk/documents/s68218/Decision%20Record.pdf</a>
Electrification	Public facing EV charging points to be supplied by a 100% renewable supplier. Provision of renewable energy EVCPs for HCC, subject to HCC decision on REGOs.	CCBS	<b>Complete</b> All public facing EV charging points are supplied by a 100% renewable energy provider under the Framework agreement. All EV charging points supplied on the HCC Corporate Estate have provided 100% renewable energy since the Renewable Energy of Guaranteed Origin (REGO) arrangement came into place on 1st October 2020.		
Electrification	<b>*NEW</b> Provision of pilot on-street residential electric vehicle chargepoints	Highways (traffic)	Phase 1 pilots (Winchester and Eastleigh) of installing 50 on-street residential electric vehicle charge points complete (2020/21). Phase 2 pilots (Aldershot) being designed (progress subject to OZEV funding bid 2021/22)		<a href="https://www.hants.gov.uk/transport/electric-vehicles">https://www.hants.gov.uk/transport/electric-vehicles</a>
Travel planning	Bid for schemes that enable us to decarbonise transport systems	Strategic Transport	Success in bidding for the emergency active travel fund		
Travel planning (reduced travel)	Review and implement HCC's own Corporate Travel Plan to reduce car alone journeys for both commuter trips and business trips.	Strategic transport		This project has paused due to the Covid situation which has disrupted workplace travel patterns. Project will be reinitiated post pandemic.	
Travel planning (reduced travel)	Through travel planning measures, in both regulatory and voluntary capacity, support residential development, workplaces and schools on the reduction in car alone journeys on Hampshire's roads	Strategic transport	Have continued to engage with businesses, schools and residents where possible. Schools have been supported with social distancing during the pandemic. School Streets initiative launched. Active Travel Fund schemes delivered. Transforming Cities Fund projects moved to delivery phase. Capability Fund bid submitted.		
Travel planning (reduced travel)	Green scheduling of work/jobs to reduce carbon emissions through travel, winter maintenance	Highways (commissioning)		Recent change over in scheduling software which has been the focus of integration.	
Travel planning (reduced travel)	First time fix avoid duplicate visits. Also multi-skilled gangs to avoid multiple visits.	Highways (commissioning)		Delay in getting terms and conditions through. Divestment/COVID	

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Travel planning (reduced travel)	Transport and health needs assessment	Public health	LTP4 contains an evidence section and transport and health		
Travel planning (reduced travel)	Work with providers to develop provision according to needs within the Hampshire boundaries.	Childrens' services	Working collaboratively with external providers protocol, retendering of contracts that will support the development of this action.	This action has been impacted by COVID-19.	
Travel planning (reduced travel)	Increase the number of in house foster carers, and increase occupancy in the in house residential provision.	Childrens' services	The Modernising Placements Programme is a Children's Services transformational programme which had corporate funding agreed in February 2021. This programme has objectives to achieve the actions highlighted. Further cost of change investment has also been agreed to achieve 155 new fostering households by 31 March 2023.		
Travel planning (reduced travel)	Consider the climate impact alongside safeguarding when making decisions about placements.	Childrens' services		This action has been impacted by COVID-19 with a shortage of placements nationally and an increased need for care for children with complex needs. This action will be taken forwards as part of the Modernising Placements Programme.	
Travel planning (reduced travel)	Increase the uptake of the use of pool cars when travelling outside of Hampshire and sharing of vehicles when staff are travelling to the same destination. Increase the use of public transport where possible and safe to do so	Childrens' services		Travel has been by exception during the pandemic so it is difficult to assess progress. Staff have also not been allowed to car share with social distancing rules. Staff travel claims by default have lowered. Deputy Director has agreed as HCC children's homes replace their house cars, these will be electric. This will need to be picked up again once social distancing is eased and behaviour change is again possible.	
Travel planning (reduced travel)	Provide accurate and timely travel information enabling people to vary their travel time, route and mode to minimise congestion	Highways (traffic)	The Intelligent Transport Systems team provide realtime traffic and travel information via Twitter and the Romanse on-line website, coordinated through the County Council's Traffic and Travel Information Centre.		<a href="https://romanse.org.uk/">https://romanse.org.uk/</a>
Travel planning (reduced travel)	Enhance on-street parking and loading controls to reduce congestion	Highways (traffic)	The County Council delivers on-street parking services within Fareham, Gosport, New Forest and Test Valley. The remaining district/borough councils (Winchester, Havant, East Hampshire, Rushmoor, Hart, Basingstoke and Eastleigh) operate an on-street parking service on the County Council's behalf under agency agreements. Measures may be identified and prioritised for investigation subject to operational funding.		
Travel planning (reduced travel)	Optimise traffic control assets to minimise stops and delay	Highways (traffic)	Generally only undertaken in response to reported or observed concerns.		
Travel planning (reduced travel)	To provide community transport using a minibus for vulnerable older people who need transport e.g. for shopping, Doctors appointments. The communal transport provision reduces the need for individual trips e.g. via taxis	Adults social care	At last return there had been 302 unique users of the service representing 912 individual journeys	Due to COVID restrictions service has not been operating as planned during lockdowns. As a result, the funding period has been increased. During the last lockdown, the service provided transport to vaccination appointments for those that required it.	<a href="#">Agenda for Executive Member for Countryside and Rural Affairs. Decision Day on Thursday, 19th September, 2019, 2.00 pm   About the Council   Hampshire County Council (hants.gov.uk)</a>

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Digital enablers	Writing in service specifications that providers need to engage with service users through digital means (e.g. sexual health services) reducing the need for travel to clinics	Public health	All new Public Health service specifications now or will contain a requirement for digital provision where this is safe and feasible.		
Digital enablers	<b>*NEW</b> Using technology in care to support remote access	Adults social care	All facilities where possible have been implemented		
Digital enablers	Provision of Technology Enabled care (TEC) services in people's own homes. Enables the reduction or delay of more intensive Home Care with relies on staff visiting service users at home, therefore a reduction on car/transport usage for staff.	Adults social care	TEC dashboard figure show there is an increase in home care assessments where TYEC is also considered and delivered as part of the POC. Annual performance figures show an ongoing impact in the hours of HomeCare delivered as a consequence of TEC POC.		<a href="https://argenti.co.uk/hampshire/">https://argenti.co.uk/hampshire/</a>
Digital enablers	Consider greater use of tele-conferencing to reduce time wasted travelling to/from meetings and vehicle use anyway.	highways (commissioning)	COVID has made this mandatory, whilst working from home. Need to work out what the new normal will be post-covid restrictions. Business case being created for better audio-visual set ups in each of the principle depots and Trafalgar House.	Survey to be created to capture travel arrangements per person.	
Digital enablers	Consider HCC managed Design working at home to reduce commuting in and out of Winchester.	highways (commissioning)	COVID has made this mandatory, whilst working from home. Need to work out what the new normal will be post-covid restrictions.	Survey to be created to capture travel arrangements per person.	
Digital enablers	Flexible working practices including teleconferencing, the use of drop-in centres and working from home	Public health	Flexible working arrangements was already common practice in PH and WFH became mandated practice due to Covid-19		
Digital enablers	Embed a culture of working flexibly through the use of devices, Microsoft Teams, conferencing, Skype etc.	Childrens' services	This has been fully achieved during the pandemic through necessity. The branch is now considering a set of rules and principles to enable this to be embedded as business as usual.		
Digital enablers	Using technology including telephone conference calls to enable flexible working whilst reducing emmissions and avoiding fossil fuel consumption in travel. Using mobile technology as an alternative to home visits	Adults social care		As the Department moves into new ways of working following the panedmic, it will be important to avoid a return to pre-COVID BAU and to maxmise potential for staff to work efficiently and limit unnecessary travel. This remains a focus under the Working Different workstream.	

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Active travel	To explore the possibility of introducing a Cycle to Work scheme across Hampshire County Council (HCC).  [n.b. Hampshire Fire and Rescue Service and Hampshire Constabulary already have a Cycle to Work scheme in place]	HR	Proposals are being developed for consideration; this workstream has been impacted by other priorities linked to Covid-19		
Active travel	Developing evidence on health benefits of alternatives for transport	Public health	LTP4 contains an evidence section and transport and health		
Active travel	Active travel to schools including travel audits, transition from early years to primary and primary to secondary. This work is targeted to areas with poor air quality, higher deprivation and higher levels of obesity). Scootability training in schools. Also, the active travel team project to engaged with schools and local businesses (e.g segensworth) around drop-off and pick-up practices through monitoring air quality around the school site	Public health	School Streets' pilots with 6 schools. 3 of these have school street closures and 3 do not. Evaluation to follow. PH (with ETE) looking at forward planning active travel for workplaces and schools		
Active travel	Supporting active travel team with community travel plans (White Hill and Borden new developments)	Public health	Community Travel Plans for Whitehill and Borden now established. PH (with ETE) looking at forward planning active travel for workplaces and schools in target areas.		
Active travel	Encouraging staff to walk or cycle to work use park and ride facilities	Public health	Covid19 has meant staff generally encouraged to stay at home		
Active travel	Work with ETE to provide input into Hampshire's local transport plan and district movement strategies - give advice and guidance on air quality, active travel and health benefits	Public health	This work is ongoing as part of BAU. PH continues to contribute t the LTP4 process which has an active travel focus. PH and ETE looking to be key contributors to a Cente of Active Travel Excellence. PHE hosts the Active Travel Task Force, of which PH is a member, in order to identify good practice.		
Active travel	Deveop an active travel topic paper for LTP4 including developing HCC design principles for implementing better walking or cycling schems.	Strategic transport	Active travel conference has been run to test design principles. Other stages of work relate to the LTP4 engagement and then consultation and adoption by December 2021		<a href="https://www.hants.gov.uk/local-transport-plan">Local Transport Plan   Hampshire County Council (hants.gov.uk)</a>
Active travel	School travel planning and measures (e.g cycle training)	Public health	This work continues in both general comms but in the PH active travel work targeted at schools, commissioned by PH. .		
Active travel	Encourage developers to consider better routes to schools in all new development to ensure they promote active travel and reduced car alone journeys.	Strategic transport	Ongoing as part of development planning process		

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Travel - Delivery efficiencies	Deliver the reduction in GHG emissions from the integration of Couriers and County Supplies fleets	CCBS	The merger of County Supplies and Couriers took place on 1st June 2020. A baseline (pre-merger) carbon footprint for 19-20 has been set which will be compared to the post-merger carbon footprint 20-21. The mileage, fuel and carbon savings will be calculated when the data is available (from June 2021 onwards)		
Public transport	To continue to offer staff incentives on public transport, such as discounts on railway / bus travel (i.e. South Western Railway currently offer discounts of up to 20% on season tickets)	HR	Options to be considered and reviewed as appropriate		
Public transport	Partnerships with bus operators to improve vehicle emissions through new vehicle investment or retrofit existing buses with clean exhaust technology.	Strategic Transport	Developing proposals for advanced partnerships with operators.		
Public transport	Continued operation and investment in public transport infrastructure (e.g. bus stops and priority measures), information (e.g. real time displays and leaflets) and promotion.	Strategic Transport	Ongoing		
Public transport	Continued membership and engagement in Transport for the South East - Transport Strategy to 2050	Strategic Transport	Ongoing		
Public transport	Develop a new public transport Strategy as part of LTP 4: <ul style="list-style-type: none"> <li>•Develop and promote concepts for rapid bus inc. bus priority measures</li> <li>•Develop and interchange plan for rail stations</li> <li>•Enhance existing integrated ticketing system</li> <li>•Enhance bus stop infrastructure across Hampshire</li> <li>•Grant fund tap on tap off bus technology to improve the customer experience</li> <li>•Implement enforcement of bus lanes and use hypothecated income to subsidise public transport</li> </ul>	Strategic transport	Stages of work relate to the LTP4 engagement and then consultation and adoption by December 2021		<a href="https://www.hants.gov.uk/transport/transport-plan-4">Local Transport Plan   Hampshire County Council (hants.gov.uk)</a>

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Public transport	Delivery of recently won funding bids such as the Transforming Cities Programmes of work across South Hampshire, Future Transport Zones, Tranche 1 and 2 of the DfT's emergency active travel funding. Schemes include: Bus Rapid Transit, public transport ticketing schemes, cycling and walking infrastructure; transport interchanges; mobility hubs; smart logistics trials including use of drones, public realm improvements, Mobility as a Service (MaaS) products, Demand Responsive Transport (DRT) and possible e-scooter trials.	Strategic Transport	Good progress being made on multiple programmes . For detail see ETE capital programme reports and updates for progress.		
Fuel type	Trial fuel additives / fuel alternatives to Skanska vehicles on HHSC.	Highways (commissioning)	Looking at data from other Milestone contracts to for HVO use in Hampshire to reduce carbon emissions. Working with HTM to implement this. Anticipated Milestone savings only of a 83% carbon reduction, 1,061 tCO <sub>2</sub> e saved annually. Exact figures to be confirmed.	HTM looking to secure county wide decision to move to HVO. Milestone could go stand-alone if no county-wide decision is made.	
Fuel type	Change the Skanska Dragon Patcher burners from Diesel to Kerosene.	Highways (commissioning)	Currently being investigated for kerosene tanks being stored in the depots.	Awaiting business case to be presented to commissioning team.	
Fuel type	Pilot of a Hydrotreated Vegetable Oil (HVO) fuel for 4 vehicles in County Supplies / HTM / Highways lab fleets, with HVO supply (fuel bowser) to HTM Micheldever site. If HVO trials are successful, transition to a HVO fuel for the HCC diesel fleet.	CCBS	A HVO pilot study was initiated in August 2020 using 4 vehicles. The 4 vehicles will operate on HVO fuel instead of diesel for the duration of the year-long study and are inspected at regular intervals. The study has been successful to date with no vehicle issues or faults reported as a result of the fuel.		
Air quality	Shaping air quality communication messages and campaigns	Public health	Supporting HCC branded comms on days such as National Clean Air Day, and working with District/Borough LA EH colleagues in achieving consistent messaging, liaising with ETE colleagues in order to ensure corporate consistency.		
Air quality	Developing an air quality position statement to increase dialogue between ETE and public health	Public health	The AQPS has been drafted and evolved. In essence, this has been superceded with open supportive dialogue between ETE and PH. A future meeting, post Covid19, needs to occur between ETE and PH to determine whether a stakeholder facing PS is still needed as this too may have been superceded by TCPA SPD event support for stakeholders and an ETE & PH presence at District/Borough LA EH hosted working groups covering air quality.		
Air quality	AQMA - districts produce action plans on which PH may be invited to provide advice, guidance and data. The DPH also approves final AQMA's.	Public health	This is ongoing as part of BAU		

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Air quality	<b>*Complete</b> Air quality sub group of the Environmental Health Chief Officers group - present data and PHE toolkit on health benefits of AQ for every district	Public health	Complete. This data/presentation has been provided.		
Air quality	Supplementary Planning Document guidance on air quality and spatial planning (links with transport and environment)	Public health	A PH commissioned, TCPA hosted, event for planners, EH, PH and ETE has occurred. The purpose was to develop shared understanding of the need for and the means of achieving a common approach to drafting SPD's for large developments impacting on local air quality at District/Borough level. TCPA recommendations are now being reviewed by PH/ETE in order to identify salient stakeholder actions.		
Air quality	Developing an Strategic Environmental Assessment for the STP and Sustainability Appraisal for the HWMP incorporating air quality	Adults social care		This action will be reviewed and refined as part of work to develop the Department's strategic approach to climate change	



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<b>Energy Distribution and Generation</b>					
Renewable energy	Where effective, using solar panels to reduce energy consumption	Adults social care	All facilities where possible have been implemented		
Renewable energy	Install PV panels on ETE depot buildings.	Highways (commissioning)	Milestone surveys ongoing across all ETE depots.		
Renewable energy	Install PV panels on Trafalgar House building roof.	Highways (commissioning)	400tCO2e carbon saved through life of contract with Trafalgar House building.	May be limited with property ownership (including recent change to ownership), need to check relevant agreements.	
Renewable energy	Install EV charging points in Trafalgar House Car Park.	Highways (commissioning)	Ongoing work on this with plans for implementation within 2021.	Survey of power proved sufficient to install. Now working with landlords to seek lease approvals. Need to determine what ECPs are being installed linked to lease.	
Renewable energy	All HCC instructed temporary site offices & messes to have PV panels and or wind turbines to be carbon efficient for medium sized sites (I.E. sites in excess of 4 months duration) or consider all sites	Highways (commissioning)		No progress to date	
Renewable energy	<b>*Complete</b> Transition of energy supply for HCC estate to 100% renewables	CCBS	<b>Complete</b> Provision of renewable energy supply has been added to the energy framework for HCC from October 2020 to April 2022. HCC's electricity is 100% renewable due to Renewable Energy of Guaranteed Origin (REGO) agreement, following the Council's commitment to this in the autumn 2020.		
Renewable energy	<b>*Complete</b> Provision of renewable energy supply to be added to the next energy frameworks by September 2020. Fully renewable energy to be included as optional in contracts for HCC & schools	CCBS	<b>Complete</b> Provision of renewable energy supply has been added to the energy framework. Fully renewable energy has been included as optional in contracts for HCC & schools. Work is underway with schools to encourage them to join the REGO.		
Energy efficiency	Using LED light bulbs to reduce energy consumption whilst maintaining safety	Adults social care		Requires prioritisation by landlord	
Energy efficiency	<b>*NEW</b> Ensuring that all computer equipment (laptops, monitors, etc.) are turned off when not in use and not left on standby overnight	ETE Business Support	Colleagues encouraged to switch off devices when not in use.	Ongoing in EII West due to COVID - 19 restrictions	
Energy efficiency	Changing policy for lighting new developments to reduce the extent to which street lighting increases over time	Highways (traffic)		No change in policy at this time.	
Energy efficiency	Transition Skanska equipment / plant to electric	Highways (commissioning)	Some trials have been undertaken. Low carbon catalogue released by Milestone central procurement team, so will be transitioning out equipment at end of lease timeframes.	Roll-out depends on lease timescales. More complex for subcontractors to change their equipment/tool use.	

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Energy efficiency	Retrofit LED lights in ETE depots and Skanska's Trafalgar House	Highways (commissioning)	Depot assessments being organised for 2021 to ascertain extent of options for carbon reduction.	Awaiting surveys and business case.	
Energy efficiency	Replacement of high-pressure sodium street lights with low energy LEDs	Highways (traffic)	13,000 street lights in Hampshire are LED. Contract negotiations underway with the street lighting PFI service provider to facilitate the replacement of a further 12,000 approx high power street lights with LEDs.		
Energy efficiency	Replacement of incandescent traffic signal lanterns with low energy LEDs (will in some cases require whole sites to be upgraded to ELV, not just the lanterns to LED)	Highways (traffic)	New installations will be LED. At existing sites, incandescent lamps are replaced with LEDs when sites are refurbished.		
Energy efficiency	De-illumination of traffic signs (where permitted in the Regs).	Highways (traffic)		No projects currently underway.	
Energy efficiency	Installation of low energy LED street lights at new developments (policy in place and now to only accept LED lighting for new developments)	Highways (traffic)	Limited pilot trial of solar powered street lights underway.		
Energy efficiency	Conversion to LED lighting across all Countryside service maintained depots over next 5 years. New buildings to be fitted with LED Light fittings & PIRs	CCBS	As of April 2021, the proportion of Countryside Service maintained depots with LEDs was 68%.		
Energy efficiency	Completion of current LED programme (EPP4). LED lighting programme scheduled to continue for corporate estate buildings which did not meet EPP4 criteria.	CCBS	Most projects for EPP4 are now complete. The EPP4 Programme is to continue past 31st March to ensure completion of the final project. Over 1.6 million kWh have been saved as a result of the Programme and emissions reductions total ~600tCO2e from 2017/18 to 20/21	No issues to report. The Programme running past the 31st March target date is to ensure that final project has been completed.	
Energy efficiency	Continuation of schools' Energy Performance Programme.  The Schools Energy Performance Programme provides an opportunity to look at energy improvement works to reduce energy use, carbon and revenue cost by installing various measures and improvement works such as LED Lighting, pipework insulation, heating controls etc, following an energy survey being carried out.	CCBS	28 schools have been completed through the schools' Energy Performance Programme by end of March 2021. Five schools were completed during 20/21. At least 6 schools are lined up for 21-22 and more may join during the year.  Over 1.25 million kWh have been saved as a result of the schools' Energy Performance Programme so far and emissions reductions so far total ~390tCO2e saved from 2017/18 to 20/21.		

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Decarbonisation	*NEW Public Sector Decarbonisation Scheme Programme	CCBS	<p><b>New action</b></p> <p>£29.3m has been secured from Central Government for decarbonisation schemes to reduce carbon emissions on our built estate (corporate and school buildings).</p> <p>HCC decarbonisation Programme has been launched by Property Services, with completion expected in Autumn 2021.</p> <p>Projects include window replacements (£16.9m), Solar PV installation (£6.75m) Oil to gas transition (£2.8m) and heating controls (£2.84m)</p>		
HCC emissions	Calculate carbon footprint (scope 1, 2 & 3) of HCC Corporate Estate annually, in a 'State of the Estate' report, in order to develop a targeted plan to tackle worst performing assets as a priority.	CCBS	<p>An initial estimated HCC carbon footprint (scopes 1, 2 &amp; 3) was published in a County Council report to Cabinet in February 2021.</p> <p>A 'State of the estate' report is to be developed with a targeted plan to tackle worst performing assets as a priority.</p>		<a href="https://democracy.hants.gov.uk/documents/s65896/Internal%20Carbon%20Reduction.pdf">https://democracy.hants.gov.uk/documents/s65896/Internal%20Carbon%20Reduction.pdf</a>

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<b>Buildings and Infrastructure</b>					
Energy efficiency	Repairing, upgrading and investing in buildings	Adults social care	Energy efficient glazing project underway - facilities that would benefit identified.		
Energy efficiency	Reduce reliance and demand for energy consumption in static buildings as well as reduce fossil fuel consumption in travel to specific office base	Adults social care	Based on staff survey results from October 2020, there has been an increase of 69% in the number of AHC staff who now work mostly or entirely at home. (4% pre COVID-19 and 73% at October 2020)	As the Department moves into new ways of working following the pandemic, it will be important to avoid a return to pre-COVID BAU and to maximise potential for staff to work efficiently and limit unnecessary travel. This remains a focus under the Working Different workstream.	
Highways construction/materials	Providing input into local plans to promote walkable streets through creating safe, attractive and convenient routes	Public health	This is ongoing as each District renews and consults on their 'Local Plan'. A number of 'Local Plans' have now been contributed to.		
Highways construction/materials	Planning of asset location to accommodate future road work and maintenance implications - Already undertaken but could look at improving this with Developers.	Highways (commissioning)	Updating at Technical Guidance for HCC and developers		
Highways construction/materials	Change all (suitable) Hot machine laid materials to 'Warm Mixes' for use on the highway network.	Highways (commissioning)	Trials and discussions with industry complete- Instructions to be issued to ETE staff.		
Highways construction/materials	Increased incorporation of RAP (Recycled asphalt pavement) into all hot asphalt.	Highways (commissioning)		No progress to date	
Highways construction/materials	Change all (suitable) Hot binder course materials to 'cold lay' for use on the highway network.	Highways (commissioning)	Trials and discussions with industry ongoing - to be further discussed across ETE services and then added to technical guidance and contracts specifications.		
Highways construction/materials	Use HBM as base and binder course material wherever possible on highway network.	Highways (commissioning)	Trials and discussions with industry ongoing - to be further discussed across ETE services and then added to technical guidance and contracts specifications.		
Highways construction/materials	Use recycled plastic kerbs and plastic gully covers for use on the highway network.	Highways (commissioning)	Plastic kerbs being used on HHSC contract but not yet standard spec. Business case is being progressed.	No longer looking at plastic gully covers as these are not viable.  Look at incorporating recycled iron work covers/frames.	
Highways construction/materials	Use recycled plastic street furniture, and recycled plastic traffic management equipment for use on the highway network. Produce more locally sourced materials for use on highway network	Highways (commissioning)		Awaiting information from Procurement Manager. Info delayed due to ongoing divestment.	

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Highways construction/materials	Use of above ground sensors at traffic signals - i.e. no loop detectors in the carriageway to minimise impact to maintenance and disruption to road users and number of site visits required and amount of disruption required	Highways (Traffic)	Above ground detection routinely used in place of inductive loop detection within the carriageway where appropriate. Anticipated technology innovation is likely to expand use beyond current limitations.		
Highways construction/materials	Cement and lime stabilisation, use where ground conditions are poor - reduction in requirement to bring materials into and off of site.	Engineering Consultancy		Not yet being measured for environmental assessment	
Highways construction/materials	Innovation quality questions in tender selection, to encourage carbon reduction	Engineering Consultancy		Not yet being measured for environmental assessment	
Highways construction/materials	Update/Change all ETE technical guidance, surfacing options documents, Model contract docs, and all other Highway and infrastructure related policies, procedures, guidance and advise to specify carbon reduced materials, methods or working, use of recycled materials etc in all future projects/works and the like.	highways (commissioning)		No progress to date	
Highways construction/materials	Ensure technical teams have the appropriate training and skills to facilitate the development of low carbon solutions.	Highways (commissioning)	Carbon training being developed with aim of 95% of all staff and operatives on Hampshire Highways contract by end of 2021. Lunch and Learns also being introduced to bring further understanding on low carbon alternatives.	Need to consider how this is rolled out across ETE	
Minerals infrastructure	Establish baseline emission data and monitoring schemes for minerals infrastructure proposals.	Strategic Planning	Authority to proceed with a partial update of HMWP given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place. Work has also commenced on the revised validation checklist which will look at climate change assessment requirements.		<a href="https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4">https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4</a>
Minerals infrastructure	Review and update the Hampshire Minerals & Waste Plan and its policies to enable establishment of carbon baseline, monitoring and implementation of carbon reduction measures.	Strategic Planning	Authority to proceed with a partial update of HMWP given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place. Work has also commenced on the revised validation checklist which will look at climate change assessment requirements.		<a href="https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=5">https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=5</a>
Waste Infrastructure	Review, baseline and develop plans. Emissions from throughput monitored daily, input material part of review. Consideration of regional infrastructure options.	Waste and resource management	Continues as part of both consistency agenda and review of disposal contracts. Climate change impacts will be considered as part of decisions making going forward. Engage with the forthcoming Minerals & Waste Plan update in 2021.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Residential</b>					
Energy efficiency and reduction	Providing advice and heating solutions for those who struggle to heat their homes, particularly those most vulnerable to the cold (Hitting the Cold Spots).	Adults Social care	<p>Estimated lifetime carbon savings resulting from energy efficiency measures installed (tCO2e): 1,031.46</p> <ul style="list-style-type: none"> <li>No. of people assisted by advice line: 791 (including some who continued to receive support from previous year) <ul style="list-style-type: none"> <li>Practical measures installed: 95</li> <li>Level of external funding leveraged: £134,077 <ul style="list-style-type: none"> <li>Training: 20 attendees</li> </ul> </li> </ul> </li> <li>Number of clients experiencing an improved financial situation: 117</li> </ul>	Challenges in delivering training to other organisations due to Covid, however online training is currently being produced.	
Energy efficiency and reduction	A freephone advice line and online advice service. Providing straightforward advice about climate change and sustainability, including energy efficiency and home insulation, to support communities, including those involved with the Greening Campaign	Climate Change	<p>The Environment Centre have responded to 376 telephone enquiries, have received 688 unique website views and have facilitated wide social media engagement (approx. 55k 'impressions' (views/likes etc.))</p> <p>The greatest proportion of enquiries were in relation to the Government's Green Homes Grant schemes (308), followed by energy efficiency (224) and renewable energy generation (98) enquiries. Approximately 40% of both energy efficiency enquiries and renewable energy generation enquiries were subsequently referred for further specialist installation advice.</p>		<a href="https://www.hants.gov.uk/freephone-advice-line/">Freephone advice line   Hampshire County Council (hants.gov.uk)</a>
Community energy	Supporting and enabling local communities to be more energy efficient and to build their own capacity for renewable energy by establishing a Community Energy Network across Hampshire. A pilot project will find start-up projects for community groups	Climate Change	<p>A survey received 80 responses, and helped to identify five community groups. Community Energy South hosted an online 'Masterclass' in May 2021, attended by up to 90 participants, to share the training, guidance and best practice across all Hampshire groups.</p> <p>Community Energy South are now working with one community group in-depth to assist them to take their community projects to the next stage. This will include developing technical and feasibility aspects, project financing and financial feasibility, production of a business plan and the establishment of a legal entity. Other frontrunner communities will also be supported through the development of a bespoke 'Kick-Start' mentoring package.</p>		<a href="https://www.hants.gov.uk/community-energy/">Community energy   Hampshire County Council (hants.gov.uk)</a>
Community energy	Solar Together group buying scheme. Providing the opportunity for selected homeowners and small to medium businesses to buy high quality solar panels at a highly competitive price. Reverse-auction scheme which usually favours local suppliers	Climate Change	<p>Registration for Solar Together Hampshire was open from 15 February to 23 March and 8,007 residents registered for the scheme. The supplier auction, held on the 23 March, attracted an average 36% discount across all systems compared to prevailing market rates. Following the action, 1,436 registrants accepted their Solar PV quotation and 131 accepted their battery quotation for installation. The acceptance rate for solar PV was 19% versus a target of 15%.</p> <p>Detailed surveys are now being undertaken by the winning installer and installations are planned to be completed by the end of October 2021.</p>		<a href="https://www.hants.gov.uk/solar-buying-scheme/">Solar buying scheme   Hampshire County Council (hants.gov.uk)</a>
Behaviour change	Greening Campaign - supporting community groups, via parish councils, progress through a series of phases to make carbon savings in their homes and within communities. Each Phase contains an Information Pack, on-line resources, videos and supports residents by email. Training is also provided.	Climate Change	<p>In the last year, the Greening Campaign has engaged with 40 groups in Hampshire. Of these, 16 groups are currently active, and 2 groups have completed Phase 1 – and these groups have already outlined their interest to commence Phase 2 (rewilding, retrofit and health &amp; wellbeing). The groups are distributed across 7 of the District and Borough Council areas.</p>		<a href="http://www.greening-campaign.org/">http://www.greening-campaign.org/</a>

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Waste and Circular Economy</b>					
Catering waste prevention	Single use (non-recyclable) plastics will be eliminated from catering front of house of CCBS services.	CCBS	An audit has taken place to identify any plastic items in use in front of house which are not recyclable, compostable or biodegradable. Targets have been set by the services involved to eliminate single-use plastics from catering front of house by end of December 2025.		
Waste prevention	Winter Maintenance - route optimisation.	Highways (commissioning)	This is under review but is very challenging. This is also linked to SP23 work.		
Waste prevention	<b>*Complete</b> Adopting paperless methods of record management	Adults social care	Electronic recording of case notes and assessments has been in place since 2005 with the introduction of SWIFT and was extended in 2009 with ESCR. There are currently 5 million AHC documents in ESCR and c. 400,000 added per year.	Introduction of Care Director should further improve electronic record management/	
Waste prevention	<b>*NEW</b> Being a paperless function	ETE Business Support	Successful whilst working remotely, to be continued in an office environment.		
Waste prevention	<b>*NEW</b> Reuse equipment, for example PPE items	ETE Business Support	Some progress has been made, however this will increase once we are more office based.		
Waste prevention	<b>*NEW</b> Avoid creating future waste products where feasible; recover and reuse waste from essential products.	Highways (traffic)	In HCC directly delivered areas, Penalty Charge Notice (PCN) holders are made from biodegradable material. In HCC directly delivered areas, digital residents parking permit scheme to replace paper-based permit application process and paper parking permits.		
Waste reduction and increased recycling	Validation and analysis of waste collection data for CCBS services to establish their baseline waste generation and assess the realistic potential for recycling. Liaison with CCBS services to set waste reduction and recycling targets.	CCBS	Waste data for 2019-20 has been obtained and cleansing has taken place. The data analysis is taking place currently. The next stage will be to identify opportunities and work with services to set waste reduction and recycling targets to drive improvements. A phased approach to working with services has been developed.		
Recycled materials	Create a recycled cold binder and base materials from planings/waste to use in the highway network.	Highways (commissioning)		No progress to date	
Recycled materials	Create a recycled aggregate sub-base materials from waste to use back in the highway network.	Highways (commissioning)		No progress to date	

Progress 2020 - 2021					
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Recycled materials	Safeguard existing recycling capacity and support new aggregate recycling proposals.	Strategic Planning	Authority to proceed with a partial update of HMWP given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place.		<a href="https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4">https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4</a>
Recycled materials	Strategy to commit to ensuring that all collateral is made from sustainable materials and wherever possible recyclable or biodegradable.	Childrens' services		This is ongoing. No new collateral has been ordered during COVID-19 as events have not taken place and all information has been provided electronically. To be addressed as society opens again and face to face events once again take place.	
Recycled materials	Already encourage use of recycled materials for pavement construction (roads and footways of new developments and major schemes) egg IBAA and Type 1 Materials, HBM, already in standard details but could emphasise.	Engineering Consultancy		No progress to date	
Recycled materials	HBM and use of road chippings to be used back on new roads, and kept within Hampshire. i.e road surfacing chippings removed from roads, is used for HBM	Highways (commissioning)		No progress to date	
Disposal	Review alternative methods, consider longer-term feasibility and implementation within boundaries of existing contracts and future aims	Waste and resource management	Continues as part of both consistency agenda and review of disposal contracts. Climate change impacts will be considered as part of decisions making going forward. Engage with the forthcoming Minerals & Waste Plan in 2021.		
Disposal	Review alternative methods, consider longer-term feasibility and implementation within boundaries of existing contracts and future aims	Strategic Planning/Waste & Resource Management	Strategic Planning: Authority to proceed with a partial update of HMWP given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place.		<a href="https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4">https://democracy.hants.gov.uk/ie/ListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4</a>
Collections	Work with Waste Collection Authorities through Hampshire Waste Partnership/Project Integra to consider alternative whole system approaches, reducing carbon impacts and improving efficiency and compliance with Gov objectives (Env Bill and Resources & Waste Strategy)	Waste and resource management	The Woods report has assessed preferred collection methods for Hampshire authorities in line with the consistency agenda. This work included carbon impacts as a key scoring criteria. The outcomes have been shared with PI partners.	Implementation from 2023.	
Food waste collection	Explore the feasibility of expanding food waste collections to Schools.	CCBS	We have obtained waste collection data for 2019-20. 2020-21 data is to be obtained when available.  The 2019-20 data is to be analysed, and local intelligence will be used, to identify locations where food waste is likely to be generated. The feasibility of introducing new food waste collections will then be explored.		



Progress 2020 - 2021					
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Food waste collection	Explore the feasibility of expanding food waste collections in CCBS' managed locations e.g. Offices, CCBS sites.	CCBS	<p>We have obtained waste collection data for 2019-20. 2020-21 data is to be obtained when available.</p> <p>The 2019-20 data is to be analysed, and local intelligence will be used, to identify locations where food waste is likely to be generated. The feasibility of introducing new food waste collections will then be explored.</p> <p>A food waste pilot study has begun at a Country Park which is intended to demonstrate the benefits of expanding food waste collections.</p> <p>Potential for additional pilot studies in the future are being explored e.g. a food waste composter at 2 Country Park sites, where the compost created would then be used onsite.</p>		
Reuse	Drive material up the hierarchy, enable reuse ahead of recycling; support local organisations that enable reuse	Waste and resource management	Work continues with Veolia to drive reuse of material taken to HWRCs.	Work to update the webpages refocussing disposal options on reuse and prevention has been moved back to 2021.	
Closed Landfill	Closed Landfill: Manage and monitor closed landfills incl landfill gas - reuse gas where feasible and minimise carbon impacts	Waste and resource management		Site visits have been limited due to the pandemic. Future decisions will incorporate climate change impacts.	

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Business and Green Economy</b>					
<b>Business Emissions</b>	Establish what our business membership and representative organisations are doing in relation to carbon reduction. Ask them to undertake intelligence of members, e.g. Carnival, Exxon Mobil to learn what those companies' priorities are and how we can work together on this shared agenda.	Economic development		No progress to date	
<b>Business Emissions</b>	Act as a strategic partner to the ERDF LoCASE project which will deliver business support, guidance and grant funding to SMEs	Economic development		No progress to date	
<b>Locally sourced food</b>	Developing a Hampshire eating out healthily award which will incorporate a sustainability element prioritising locally sourced food	Public health		This has been paused due to Covid19. Criteria, EH engagement, branding and web infrastructure were established prior to Covid19. However, further stakeholder engagement and immediate viability are to be considered in light of Covid19 impact on businesses and EH resources.	
<b>Green technology</b>	Establish a marine innovation 'catapult' at Fawley - a national centre of excellence for industry to develop low carbon solutions for the future.	Economic development		No progress to date	

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Natural Environment</b>					
Carbon sequestration and public education	Develop a climate positive Country Park at River Hamble	CCBS	<p>Thinking has begun on the climate positive park project and a project manager has been appointed to the project.</p> <p>A workshop has taken place to establish initial scope and parameters of project and themes have been laid out.</p> <p>Early actions already implemented includes: a) Changes to the roof design on the new visitor centre building at River Hamble CP providing greater insulation. b) Arrangements for Photo Voltaics to be retro fitted to the visitor centre to generate electricity and hot water on site c) Materials for the visitor Centre are locally sourced, wooden cladding for the visitor centre has been sourced from River Hamble Country Park.</p>		
Carbon sequestration and public education	<p>Develop the Sir Harold Hillier Gardens Frontier Garden, using it as a climate change educational tool. The Frontier Garden will be a major capital project to enable growth and development of the Garden and forms a fundamental part of the Gardens' masterplan. It will be a development of the East end of the Gardens which will enhance the Garden's plants collection and provide opportunities for the public to enjoy, and learn about, plants currently considered to be at, or even beyond, the limits of outdoor hardiness in the British Isles but which may become more familiar and widely-grown in the future as our climate changes. The Garden currently grows over 12,500 different plant types and holds 14 National Plant Collections, and it is anticipated that the Frontier Garden will enhance the reputation of the Sir Harold Hillier Gardens.</p>	CCBS	<p>The Frontier Garden will be a landmark project introducing new plants which haven't been grown in the UK before. The Frontier Garden project will include development of a new area of the Garden including state of the art new propagation unit, a staff room, tool store, and volunteer hub and potentially catering, retail and other facilities so forms a major capital project. The propagation unit will also be key to conserving both the SHHG rare collections and supporting other sites with species preservation.</p> <p>In light of the changes to the original idea, further consultation will be needed with the designer and HCC colleagues. The Gardens are planning to launch a major fundraising campaign during 2021 and the timescale is to be determined. Work continues on aspects of the project, most notably research into the planting content of the Garden and we are seeking to ensure that the materials used in the developing have high environmental credentials. This development aligns strongly with the identity of the gardens and it is anticipated that the Frontier Garden will enhance the world-class reputation of the Garden.</p>	<p>Delivery start date of April 2021 postponed due to the significant amount of funding required to develop the Frontier Garden and the impact of Covid-19. The estimated cost of the project has risen as thinking has developed and new opportunities have emerged in relation to the original concept.</p> <p>Funding sources are being explored and a fund raising initiative is likely to commence in 2021. The project has now been broken down into various phases rather than one project. Each of these phases will offer benefits to the Gardens and presents a more manageable approach.</p> <p>Phase 1 (Extension to Jermyn's House and visitor infrastructure) are due for completion in Summer 2021. Other aspects of the development, such as the state of the art propagation unit, will benefit the both current Gardens and the future Frontier Garden.</p>	
Carbon sequestration and public education	<p>Develop Runway's End outdoors centre into a carbon neutral eco-centre</p> <p><b>*Complete</b></p>	CCBS	<p><b>Complete</b></p> <p>Carbon footprints have been calculated for 2019-20 and 2020-21 (scopes 1, 2 &amp; 3). An offsetting provider has been identified and Runway's End's emissions have been offset for both 2019-20 and 2020-21. Runway's End is the first operation within CCBS that is operating carbon neutrally.</p> <p>A Carbon management plan is to be developed for Runway's End. Infrastructure improvements for decarbonisation are being considered, including glazing, LED lighting and solar panels which are being investigated and scoped currently.</p> <p>The team at Runway's End are currently introducing additional environmental activities to residential programmes. During the next 12 months, they will be looking to develop signage to inform customers about their environmental credentials and energy use onsite.</p> <p>Runway's End are establishing better biodiversity areas within the site. Areas of interest include a pond, and 440 new native hedge saplings to arrive in April 2021. Volunteers from the Rushmoor Borough community to help with planting.</p>		

Progress 2020 - 2021					
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Information and education	<p>Develop projects and initiatives to raise awareness of:</p> <ul style="list-style-type: none"> <li>-The climate impacts on the natural environment</li> <li>-Steps HCC are taking to increase carbon capture and storage</li> <li>-The action individuals, organisations and other authorities can take to support positive carbon sequestration activity. (e.g. Parish Pollinator Project)</li> </ul>	CCBS	<p>An education and engagement task force has been set up to investigate areas for improvement in the departments' environmental engagement and education activities. The current focus is around how we are educating the public and our service users on climate change and the environment.</p> <p>The taskforce have surveyed educational staff within the services to identify strengths, opportunities, and areas for improvement for delivering environmental education to customers.</p> <p>School teachers have been surveyed to understand environmental topics of interest for education campaigns.</p> <p>A virtual education and learning resources library is being developed for staff to access.</p> <p>Pollinator project set up with six Parishes. Engagement with Parishes to carry out enhancements for pollinators within Parishes.</p> <p>River Hamble Country Park reestablishment of conservation wildlife headlands to go ahead. This was also completed last year. Small wildflower plot has been established outside the River Hamble rangers depot.</p>		
Carbon sequestration	<p>Understand our carbon sequestration and risks to it. Use this as a baseline from which to increase carbon sequestration and make informed decisions about our land use and land management to support this:</p> <ul style="list-style-type: none"> <li>-Determine the extent of the carbon currently being sequestered and increase carbon capture and storage across CCBS landholdings.</li> <li>-Calculate the current and future risks to carbon sequestration.</li> <li>-Develop a decision making tool for increasing carbon sequestration against taking into account other benefits.</li> <li>-Develop a strategy for increasing carbon sequestration across the CCBS green estate.</li> <li>-Share the learning and learn from our partners.</li> </ul>	CCBS	<p>Stored and annual carbon sequestration figures and habitat mapping are completed for the whole of the Countryside Service Estate which acts as baseline for habitat management and how adaptation may be applied where appropriate. Carbon sequestration is currently being calculated for the wider HCC green estate (including the County Farms Estate, Properties, Childrens Services (schools estate) and ETE) with results expected during Spring 2021.</p> <p>Initial risks to carbon sequestration have been identified. To quantify the risks from climate change on HCC Land and estate, the corporate mitigation tool has been reviewed. The principles of this tool can be used but will need some amendments to provide a decision making tool for changes to land use and adaptation and will incorporate data produced by Natural England on climate vulnerability and changes to habitat and species.</p>	<p>Calculating current and future risks to carbon sequestration will be more time consuming than initially thought. Using existing data from Natural England and through use of the Farm toolkit for farms can bring together the required information but will however demand a greater focus on analysis and interpretation. Once these have been completed, this can then be taken in combination with storage and sequestration figures to determine what land management actions are feasible thus forming the basis of a strategy.</p>	
Tree planting	Investigate green screen concept and include in schemes as appropriate.	Highways (commissioning)		No progress to date	
Tree planting	Increase tree planting and re-wilding of appropriate areas, the goal being to increase canopy cover percentages and the associated carbon sequestration.	Highways (commissioning)	1351 new trees planted by ETE arboriculture in 20/21		
Biodiversity Net Gain	Increase amount of semi-natural habitat including tree planting and woodland/habitat creation through <b>capital schemes</b> , planning advice on HCC development schemes and LPA planning applications to increase carbon sequestration	Environment	<p>State of Natural Environment report published.</p> <p>Hampshire Spatial Framework for the environment and infrastructure work commissioned (March 2021).</p>		<p><a href="https://documents.hants.gov.uk/hants2050/StateofNaturalEnvironmentReport.pdf">https://documents.hants.gov.uk/hants2050/StateofNaturalEnvironmentReport.pdf</a></p> <p><a href="https://hampshire-spatial-framework-luc.hub.arcgis.com/">https://hampshire-spatial-framework-luc.hub.arcgis.com/</a></p>

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Organisational Emissions</b>					
Policy and Guidance	To review existing policies and procedures (i.e. Flexible Working Policy, Expenses Policy) to ensure they align with HCC's Climate Change Action Plan and Strategy. For example, introducing a Climate Change Impact Assessment	HR	Work in this area is currently being scoped, including what the review will consist of and which policies/how to guides are a priority		
Purchased goods/services	Purchased Goods: Develop climate related KPIs for existing suppliers and climate related contractual terms for new suppliers / contracts. Work with existing suppliers to implement KPIs. Apply new contractual terms to future tenders once approved, to incorporate climate considerations into purchase of goods through County Supplies.	CCBS	All tenders issued by County Supplies are now required to include evaluation criteria and KPIs relating to sustainability and climate change.  Climate change related KPIs are also being introduced to Suppliers on contracts not due for renewal before the end of 2021.  Development of a set of prompts, evaluation criteria and KPIs for inclusion in contracts has begun.  A bank of questions and KPIs for sustainable procurement has been created. This is a living document designed to help guide commissioners and procurement officers when planning new projects.  A procurement exercise is underway in County Supplies for warehouse packaging. For the first time, this exercise has included evaluation criteria with a focus on sustainability and environmental impact.		
Purchased goods/services	Procurement of catering suppliers and products with objective of reducing food packaging and / or ensuring packaging is 100% compostable, recyclable or biodegradable	CCBS	It has been agreed that we can introduce KPIs and contractual terms for our departmental food frameworks to require packaging to be 100% compostable, recyclable or biodegradable by 2025.  The sandwiches and food to go contract is due for renewal soon and we will be looking to introduce a KPI for more sustainable packaging within this.		
Purchased goods/services	Develop the Council's procurement processes to accommodate the Council's Climate Change policy/strategy and associated Action Plan	Procurement	(see below)		
Purchased goods/services	Update the Council's procurement strategy to incorporate the Council's Climate Change policy/strategy	Procurement	The sandwiches and food to go contract is due for renewal soon and we will be looking to introduce a KPI for more sustainable packaging within this.		
Purchased goods/services	<b>*complete</b> Update procurement guidance to ensure it signposts to relevant information on Climate Change considerations when procuring goods, works and services.	Procurement	<b>Completed</b> Procurement guidance has been updated to include Climate Change considerations.		
HCC emissions	T21 estates review to include sustainability	Public health	T21 estates review to include sustainability		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Behaviour Change</b>					
Encouraging behaviour change in staff	Participate in the annual Green Office Week in May.	Childrens' services		This did not take place as offices are closed due to COVID-19. This will be picked up May 2022.	
Encouraging behaviour change in staff	Promoting and incentivising materials recycling culture for staff and service users	Adults social care	The shift to home working for a significant proportion of AHC staff and increased digital working has reduced the amount of printed materials, and materials being disposed of at HCC offices.	Further work may be helpful to understand staff attitudes towards recycling and any barriers to improving recycling rates across staff and service users in different settings to inform next steps. This will be considered as part of a planned workshop on the Department's future, strategic response to carbon mitigation.	
Encouraging behaviour change in staff	Encouraging / incentivising service providers to increase environmental awareness and record their approach	Adults social care	An updated reference to the HCC Carbon Mitigation plan is being included in all MPS statements, to promote awareness. Further work required to promote awareness and understanding (via the newsletter/CRM)		<a href="https://www.hants.gov.uk/socialcareandhealth/adultsocialcare/strategy-market-position">https://www.hants.gov.uk/socialcareandhealth/adultsocialcare/strategy-market-position</a>
Encouraging behaviour change in residents	Identify or develop and deliver resources to support children to engage with the climate change discussions and to encourage each to make one commitment.	Childrens' services		Impacted by Covid-19. Meetings planned May 2021 to resume thinking and action planning.	
Active travel	Support on the reduction in car journeys to school through the engagement with schools on travel planning measures to promote active and sustainable modes, using the national Modeshift STARS accreditation scheme as a recording mechanism of activity and achievement.;	Strategic Transport	Continuing to deliver a broad range of support services to school. HCC is also seeking to pilot a number of school streets. This is road closures outside schools where school drop off is an issue. However, modal split surveys have not been collected during the pandemic.		<a href="#">Pilot scheme to create safer and healthier 'School Streets' gets the green light   Hampshire County Council (hants.gov.uk)</a>
Active travel	The use of a localised active and sustainable travel brand, My Journey, between HCC, PCC and SCC including a one-stop shop website with journey planning tool and various social media channels.	Strategic Transport	Brand recognition study has been undertaken. The results of this are being considered before finalising the reviews		
Energy	Education of staff, carers and children to be developed and rolled out to ensure all aware of individual responsibilities and impact.	Childrens' services		Impacted by covid-19 response. Meetings planned May 2021 to resume thinking and action planning.	
Food	Ambassadors of Climate Change to be identified for the Children's Homes and foster carers to lead on changing shopping habits to utilise food waste where available in communities and reduce all waste.	Childrens' services		Impacted by covid-19 response. Meetings planned May 2021 to resume thinking and action planning.	

Progress 2020 - 2021					
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Food	Prevent and reduce waste arisings, incl food waste in particular through active public engagement. Activities include home composting, recipes for leftovers, correct food storage and menu planning.	Waste and resource management	Resident engagement in 2020 was hampered by the lack of public face to face events. Engagement shifted largely to online/social media including paid campaigns which highlighted the impact of food waste on climate change. Training for the community champions has also shifted online. The grant fund has funded a range of community projects which deliver waste prevention projects at a local level.	Unspent delivery budget has been rolled over for delivery in 2021/22 and the delivery plan updated. Plans are in place to procure both a digital food waste solution and a practical toolkit for residents meaning that engagement is less reliant on face to face events.	
Food	Increase number of low carbon (vegetarian and plant-based) meal options on the menus provided by CCBS services.	CCBS	The services involved have set individual targets for this action and progress will be assessed in 2022 and on an ongoing basis. Targets include changing food purchasing and increasing the number of vegetarian and plant based meals on menus, where feasible.	This activity has been delayed due to Covid restrictions meaning catering outlets have been closed for much of 2020 and into the early part of 2021.	
Food	Shift red meat-based meals to lower carbon carnivorous options (white meat, poultry, fish) provided by CCBS services.	CCBS	The services involved have set individual targets for this action and progress will be assessed in 2022 and on an ongoing basis. Targets relate to reducing red meat purchasing and / or reducing the proportion of red meats purchased and increasing availability of lower carbon meals on menus where practicable.	This activity has been delayed due to Covid restrictions meaning catering outlets have been closed for much of 2020 and into the early part of 2021.	
Food	Behaviour change: Re-arrange layout of menus and re-word product descriptions to better promote low carbon options	CCBS	Services involved have committed to rewording, and changing the layout of, menus. This will promote lower carbon (e.g. vegetarian) meal options. The first menu to change has been drafted and recipes are being developed. Menu roll-out is planned for May 2021. Country Park site(s) to be agreed prior to re-opening Primary school non-meat option for the classic two course hot meal menu is at the top from after the 2021 Easter holiday.	This activity has been delayed due to Covid restrictions meaning catering outlets have been closed for much of 2020 and into the early part of 2021.	

## Climate Change Resilience Action Plan 2020-2025 Progress 2020-21

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Resilient Buildings and Non-Highway Infrastructure</b>					
<b>Buildings</b>	<p>Education of staff, families and children Include impact of a 2 degree rise in temperature in health and safety audits now to plan for the future Work with providers to educate around climate resilience to ensure that buildings can cope with an increase in temperature Consider flood action plans in risk management in children's homes Educate staff and carers about potential risk of increased flooding in the future and encourage thinking about mitigations or actions should it occur.</p>	Childrens' services		Education of staff, families and children has been impacted by the COVID-19 response. Meetings are scheduled for May 2021 to take this forwards. The current external provider frameworks are being developed ahead of retendering so this will be included.	
<b>HCC owned buildings</b>	Develop the measures for building resilience to the impacts of a 2 degree C global temperature rise as part of a State of the Estate report	CCBS	Thinking has taken place around how climate change is likely to affect buildings on the Corporate Estate, and will be developed further in 2021. The 'State of the Estate' report in 2021 and will include narrative around risks to a 2 degree C temperature rise for the Corporate Estate and improving resilience.		
<b>Planning</b>	Preparation of design guides and bulletins for land release / development sites - establishing parameters that encourage robust GI, connectivity for walking/cycling routes etc, and promoting the benefits offered by landscape and biodiversity for ameliorating climate within urban areas.	Planning and Environment	State of the Natural Environment Report published (January 2021). Hampshire Spatial Framework for the environment and infrastructure work commissioned (March 2021) and due to be completed by July 2021. Collaborating with Partnership for South Hampshire on publication of design bulletins. Centre for Active Travel Excellence established and policies for Healthy Places embedded in LTP4.		<a href="https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf">https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf</a>
<b>Planning</b>	Work with the Environment Agency, local planning authorities and other partners to develop the planning skills and capabilities to advise developers on how adaptive approaches should inform strategic local plans, and enable climate resilient places.	Planning and Environment	Collaborating with HIPOG on the response to the Planning White Paper. Regular meetings with the EA. Collaborating with Partnership for South Hampshire on publication of design bulletins. Commitment to building capacity for adaptive approaches captured in Policy 4 of 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>



			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Planning policy	<p><b>HCC Policy</b> - Better implementation of Hampshire Minerals and Waste Policy Climate Change Policy (validation), increased emphasis on recycled aggregates / DM event - highlight policy requirements / Review and update of HMWP Climate Change policies / Plan as a whole (e.g. net gain) / Seek formal consultation response from Climate Change experts?</p> <p><b>HCC Influence</b> on Local Plan making and major development proposals - encourage and promote use of smart and challenging planning policies with CC emphasis that are enforced.</p> <p><b>HCC provided data/evidence</b> (demography, land supply, HBIC, HE, transport etc.) <b>HCC State of the Environment</b> report and <b>HCC Spatial Framework</b> to better inform decision making.</p>	Strategic planning	Work has commenced on reviewing the validation checklist. Approval now given to commence the partial update of the HMWP. Continue to engage with LPAs on local plans and major developments. Engagement with PFSH and HIPOG on climate issues. State of the Natural Environment Report published (January 2021). Hampshire Spatial Framework for the environment and infrastructure work commissioned (March 2021) and due to be completed by July 2021.	Question as to whether we need to seek external expert advice on climate change issues to feed into consultation responses and planning decision making.	<p><a href="https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4">https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4</a></p> <p><a href="https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf">https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf</a></p>
Planning policy	Review Hampshire Minerals & Waste Plan policies to ensure suitable consideration given to location of minerals and waste infrastructure to be resilient to climate change.	Strategic Planning	Following the 2020 Review of the HMWP, authority to proceed with a partial update of Plan given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place.		<p><a href="https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4">https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;MId=6561&amp;Ver=4</a></p> <p><a href="https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf">https://documents.hants.gov.uk/hampshire2050/StateofNaturalEnvironmentReport.pdf</a></p>
Landscape	Review and update Landscape and Development Checklist - To include requirement for development to demonstrate a net environmental gain	Planning and Environment	Strategic planning: Validation checklist being reviewed and will cover ENG. Collaborating with HIPOG and HLGLG on the review and updating of the Landscape and Development Checklist		<a href="https://www.yumpu.com/en/document/read/26434364/landscape-development-checklistindd-southampton-city-council">https://www.yumpu.com/en/document/read/26434364/landscape-development-checklistindd-southampton-city-council</a>
Landscape	Review and revise Hampshire Townscape Character Assessment to assess sensitivity to climate related changes.	Environment		No progress to date.	

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Preservation of historic buildings	<ol style="list-style-type: none"> <li>1. Commitment to maintaining the HER as the evidence base to monitor the state of the historic environment ,and any decline and the efficacy of any intervention/project /strategy.</li> <li>2. Support Citizen programme or equivalent (community based archaeological recording of archaeology revealed in erosion)</li> </ol>	Environment	Histroic Environment Record is maintained and up to date		
Preservation of historic buildings	<ol style="list-style-type: none"> <li>1. Identify and map areas of wetland with this potential, map on to HER.</li> <li>2. Programme of precautionary palaeo environmental sampling before loss.</li> </ol>	Environment		No progress to date.	
Preservation of historic buildings	Ensure that Defra have an active policy regarding historic landscape resilience (and within their stewardship schemes) and understanding and measuiring change. Ensure designated landscapes (National Parks and AONBs) have an active policy as above	Environment	currently historic enviroment issues are being addressed in the ELMs pilot		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Resilient Transport Systems and Highways Infrastructure</b>					
Highways Materials	Amend design commission Task Orders to include a Climate Change section requiring design for effects of climate change (higher temperatures for longer periods / more intense rainfall / costal erosion).	Highways (commissioning)		This is under discussion and needs to be progressed	
Highways drainage	Improve Drainage systems as issues are identified	Highways (commissioning)	31 no. Operation Resilience schemes delivered in 20/21		
Highways drainage	Increase capacity of soakaways / SUDs	Highways (commissioning)	ETE Technical Guidance notes updated		
Highways drainage	Consider use of new and emerging sensors to help manage just in time cleansing of gullies etc	Highways (commissioning)	Trial is being developed for delivery during 2021.		
Highways drainage	SUDS - use of open drainage systems, to encourage greener space, bio diversity and tie in the LLFA's also to plan layout with regards to flood events.	Highways (commissioning), Planning and Environment	Local Flood and Water Management Strategy published		<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>
Highways drainage	Tree pits/attenuation built into one system along side of highways	Highway (Commissioning)		No progress to date.	
Network resilience	Consider design of new schemes to ensure long-term durability of carriageways and footways in clay soil areas	Highways (commissioning)		No progress to date.	

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Network resilience	Identification of routes on the highway network prone to treefall. Include in Network Resilient Plan and Weather Emergency Plan. Develop mitigation measures	Highways (commissioning)	Ongoing mapping as part of the resilient network review and hot spots with Asset Management.		
Network resilience	Ensure Winter Emergency Plan is fit for purpose and link to the Network Resilient Plan (review both regularly). Identify hotspots on resilient network and develop mitigation measures.	Highways (commissioning)	A full review of the winter maintenance treated network is under review. Upon completion a review of opportunities for efficiencies will be carried out.		
Network resilience	Ensure flooding events and high risk areas are recorded on GIS. Data collection, routine cleansing and schemes to be prioritised accordingly. Develop and implement a Network Resilience Plan	Highways (commissioning)	Ongoing mapping as part of the resilient network review and hot spots with Asset Management.		
Network resilience	Identification of routes on the highway network prone to groundwater flooding. Include in Network Resilient Plan and Weather Emergency Plan. Develop mitigation measures	Highways (commissioning)	Ongoing mapping as part of the resilient network review and hot spots with Asset Management.		
Weather resistant network	Potentially increase SCRIM and other technical survey frequency to monitor impact and risk	Highways (commissioning)		No progress to date.	
Weather resistant network	Consider increasing survey regime in potentially affected structures	Highways (commissioning)		No progress to date.	

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Weather resistant network	Consider increase in surveys/monitoring and cross party collaboration with EA and other appropriate bodies	Highways (commissioning)	Collaborating with Coastal Protection Authorities, Coastal Partners and Environment Agency on coastal defence projects for areas at risk e.g. Hayling Island / Langstone, Stokes Bay, Hurst Spit to Lymington		<a href="https://consult.environment-agency.gov.uk/solent-and-south-downs/hurst-spit-to-lymington-project/#:~:text=The%20Hurst%20Spit%20to%20Lymington%20project%20aims%20to%20investigate%20how.potential%20works%20that%20is%20proposed.">https://consult.environment-agency.gov.uk/solent-and-south-downs/hurst-spit-to-lymington-project/#:~:text=The%20Hurst%20Spit%20to%20Lymington%20project%20aims%20to%20investigate%20how.potential%20works%20that%20is%20proposed.</a>
Weather resistant network	Identification of embankments and assessment of slope stability and establish routine surveys	Highways (commissioning)		No progress to date.	
Claims	Review claims processes and procedures. Review Insurance type and cover.	Highways (commissioning)		No progress to date.	
Highways infrastructure	Upgrade/modify susceptible equipment/install fans	Highways (traffic)	Installation would be subject to operational issues anticipated in the future and pro-active installation is not considered necessary at this time. This will be kept under review.		
Highways infrastructure	Enhanced base seals/fit mesh to air vents	Highways (traffic)	Installation would be subject to operational issues anticipated in the future and pro-active installation is not considered necessary at this time. This will be kept under review.		
Highways infrastructure	Enhanced base seals/raise cabinets	Highways (traffic)	Installation would be subject to operational issues anticipated in the future and pro-active installation is not considered necessary at this time. This will be kept under review.		
Highways infrastructure	Upgrade electrical installations to extra low voltage	Highways (traffic)	New and replacement installations are extra low voltage where technically feasible.		
Scheme programming	Investigate impact of climate change on scheme programming (ecology windows / weather / temperature)	Engineering Consultancy		No progress to date.	
Governance	Project development - Review and update Good Governance / Gateway process to recognise importance of Climate Change adaptation / mitigation objectives	Strategic Transport	Review is being scoped as part of the LTP4 which includes a topic paper on scheme selection, development and delivery. Work planned to conclude in December 21. Project gateway refresh to include Climate Change element.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Data	Adopt Ecosystems Services tool to establish baseline value of existing natural environment assets e.g. CAVAT	Highways (Commissioning - Arboriculture) and Environment		No progress to date.	
Strategy	Ensure Highways Management Action Plan integrates countywide Green Infrastructure Strategy	Highways (Commissioning), Planning and Environment	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>

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Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Waste and Circular Economy (inc water resource)</b>					
<b>Water recycling</b>	Grey water recycling in ETE depots	Highways (commissioning)		No progress to date.	
<b>Waste infrastructure</b>	Review, baseline (where we are now) and develop appropriate plans. Use previous work undertaken on NI188 to help identify risks and mitigations	Waste & resource management		Progress has been limited by workloads and restrictions on site visits as a result of the pandemic. Climate change will be considered as part of process in any future infrastructure decisions.	
<b>Closed landfill</b>	Review, baseline (where we are now) and develop appropriate plans. Use previous work undertaken on NI188 to help identify risks and mitigations	Waste & resource management		Progress has been limited by workloads and restrictions on site visits as a result of the pandemic.	
<b>Behaviour change</b>	Education of staff, families and children about the impact of climate change on the availability of water supplies and encouragement of water saving strategies across all settings (eg. Turn tap off when brushing teeth).	Childrens' services		Education of staff, families and children has been impacted by the COVID-19 response. Meetings are scheduled for May 2021 to take this forwards. The current external provider frameworks are being developed ahead of retendering so this will be included.	
<b>Water storage</b>	Planting trees: increase shading, reduce temperatures, increase evapotranspiration, increase water infiltration, reduce speed of overland flows, improve biodiversity etc.	Highways (Commissioning) and Environment	Strategic meeting with Southern Water CEO and response submitted to Water for Life - Hampshire consultation. Water stewardship objectives reflected in Local Flood and Water Management Strategy. Involvement with development of new Drainage and Wastewater Management Plans (Thames, Wessex and Southern Water) and Water Resources South East Catchment Workshops. No progress for ETE Commissioning to date ref tree planting, we will need to better understand risk areas.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Resilient Natural Environment</b>					
<b>Biodiversity/habitat preservation or restoration</b>	Provision of data and specialist advice: to protect all remaining areas of priority habitat, and to restore and re-create new areas of native habitat and green infrastructure to improve overall resilience to climate change through being 'more, bigger, better, joined up'; ensuring a more permeable landscape of sufficient habitat connectivity and quality to facilitate species dispersal and adaptation as their climatic space moves, to improve capacity of land to absorb more carbon, and to provide cooling and improved air quality in urban areas	Environment	<p>Annual Biodiversity Monitoring Report updated.</p> <p>Ecological Network Mapping updated.</p> <p>Carbon storage mapping (by habitat type) available to inform habitat restoration/re-creation proposals.</p> <p>HBIC data made available to 25 funding partners and &gt;500 developer requests.</p>	Delayed implementation of mandatory Biodiversity Net Gain due to delay to the passing of the Environment Bill. No statistics as yet on BNG regarding County applications/schemes	<p><a href="https://documents.hants.gov.uk/biodiversity/HBICAnnualBiodiversityMonitoringReport2019-20.pdf">https://documents.hants.gov.uk/biodiversity/HBICAnnualBiodiversityMonitoringReport2019-20.pdf</a></p> <p><a href="http://documents.hants.gov.uk/biodiversity/MappingtheHampshireEcologicalNetworkFinalReport.pdf">http://documents.hants.gov.uk/biodiversity/MappingtheHampshireEcologicalNetworkFinalReport.pdf</a></p>
<b>Biodiversity/habitat preservation or restoration</b>	Contributing to the South Downs Joint Accord - preserving national parks and encouraging physical activity	Public Health	Ongoing		
<b>Biodiversity/habitat preservation or restoration</b>	Review Hampshire Minerals & Waste Plan to ensure restoration policies given suitable consideration to climate change resilience e.g. flood attenuation storage, green/blue infrastructure networks etc.	Strategic Planning	Following the 2020 Review of the HMWP, authority to proceed with a partial update of Plan given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place.		<a href="https://democracy.hants.gov.uk/ieListDocuments.aspx?Cid=163&amp;Mid=6561&amp;Ver=4">https://democracy.hants.gov.uk/ieListDocuments.aspx?Cid=163&amp;Mid=6561&amp;Ver=4</a>
<b>Biodiversity/habitat preservation or restoration</b>	<p>Increased resilience through expanding and connecting habitats.</p> <p>Opportunities for nature recovery and rewilding identified.</p> <p>Adaptive and updated management practices reviewed through updated management plans.</p> <p>Adopted Pollinator Action Plan</p>	CCBS	<p>We are looking to make a statement about what rewilding means for the Natural Environment.</p> <p>Pollinator strategy has been developed and is underway. This involves working to increase pollinator habitats in Parishes. Working with Parish Councils to enable them to locate relevant pollinator information online via the Parish Pages and this will be live this year.</p> <p>The Countryside Service have launched a tree project which includes a service-wide system to identify possible tree planting locations within the Countryside Service Estate.</p>		



			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Biodiversity/habitat preservation or restoration	Later and reduced frequency of mowing on highways vergers to enable plants to flower and set seed, to increase biodiversity and pollinator species	Highways (commissioning) and Environment	<p>The grass cutting regime was changed at the start of the new Highways service contract in 2017 to reduce the number of 1m cuts to one cut between April and June and to leave the verges unmown between July and September to allow plants to flower and set seed to be set, and increase availability of nectaring sources for pollinators. Full width cuts then take place later in the year every alternative year to reduce scrub encroachment. Areas of grass verge cut for highway safety purposes will continue to be cut as required.</p> <p>4 new RVEIs (Road Verges of Ecological Importance) were added to the RVEI programme since July 2020 bringing the total to 208 . RVEIs receive cuts at particular times of year appropriate to their needs. The 4 added over the past year are important for glow worms, ancient woodland flora, downland flora and rare plants</p>	The proposed trial of re-wilding verges did not take place due to the delays and difficulties with Covid last year, however it is still the intention to re-wild some wide verges in East Hampshire as a trial to establish what works are necessary and understand the impacts on the various verge cutting regimes. The areas (exact locations to be agreed and finalised) will be prepared later this year and into 2022 with the full trial taking place during next calendar year.	<a href="https://www.hants.gov.uk/press-releases/2020/12/2020-12-23-grass-cutting-and-weed-killing-in-hampshire">See: Grass cutting and weed killing   Hampshire County Council (hants.gov.uk)</a>
Biodiversity/habitat preservation or restoration	look at separating footpaths and cycle ways out and crafting corridors of trees to filter pollutants from cars	Highways (Commissioning - Arboriculture) and Environment		No progress to date.	
Management of coastal habitats	Joint departmental / long term strategic planning to prioritise key sites for change including those holding the line, managed retreat etc. May include need for adaptation and mitigation measures on reserves and/or adjacent/local sites and coastal access. Long term strategy required.	CCBS	Thinking is underway at key sites particularly Titchfield Haven and Lymington and Keyhaven. Also under consideration are Hooke with Warsash along this part of the coastline. In addition a number of sites are under consideration for benefits for mitigation, for nitrates, bent geese, and for sites on Hayling island with regard to inundation and coastal erosion/access.		
Management of coastal habitats	Provision of data and specialist advice: to protect undeveloped areas of coastline & estuary from development to; allow 'managed retreat', 'managed realignment', and restoration/re-creation of coastal habitats, to allow habitats to 'roll back' and link to others to improve overall resilience through being 'more, bigger, better, joined up'; will reduce nitrates levels reaching coastal waters; and improve capacity of land to absorb more flood water and carbon. More natural habitats such as wetlands and woodland have the potential to soak up water and mitigate flooding elsewhere	Environment	Refresh of North Solent Shoreline Management Plan commenced in 2019		
Management of coastal habitats	Understanding of impacts of sea level rise and climate change on the Hampshire coastline and landscape character areas.	Environment	Hampshire Spatial Framework for the environment and infrastructure work commissioned (March 2021) and due to be completed by July 2021.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Management of coastal habitats	Raise awareness and understanding of the impacts of Climate Change on the Solent and appropriate mitigation, resilience and adaptation measures (Solent Forum Business Plan: Objective 6)	Environment	Continued progress at meetings		
Management of coastal habitats	Collaborate on review of strategically important Shoreline Management Plans where significant infrastructure and HCC landholdings are implicated e.g. Hayling Island, Hurst Spit, Calshot etc	Environment and CCBS	A review has started on all three areas: Calshot, Hurst Spit and Hayling Island. Hurst Spit- Data collection and analysis and local stakeholder engagement underway. A stakeholder Advisory group has been set up. Starting to consider options analysis. Review of Calshot and Hayling Island (Billy line) is underway.		
Management of coastal habitats	Support Regional Flood and Coastal Committees for Southern, Thames and Wessex regions	Environment	Ongoing officer and member attendance at RFCC meetings		
Resilient trees	Increase appropriate standard tree planting Highway and non-highway land	Highways (Commissioning) and Environment	1351 new trees planted by ETE arboriculture in 20/21		
Adaptive management of rural estate	Adaptive management practices, review of cropping, livestock type and disease resistant varieties / breeds / crops. Animal health status set up.	CCBS	This work has started. A farm strategy has been drafted and includes climate change and nature recovery aspects to it. We are reviewing our internal management plans with a view to tracking adaptive management and monitoring systems. These will be updated over time. A review of internal management plans, which forms part of an operational change, has started. A review of the farm strategy is now underway.		
Highways vegetation	Cut and collect trails of grass verges.	Highways (commissioning)	The cut and collect trial of some entral reserves has commenced in 2021. This will take a full year to complete and then finding will be made available.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Highways vegetation	Ensure sufficient resources are in place to secure management, maintenance and benefits of ecosystem services i.e. new planting and grass, for at least a period equivalent to that required in planning approval.	Highways (Commissioning) and Environment	Linked to reviewing Good Governance / Gateway process action. The recent HTT Climate Change Workshop has started the process of looking at all areas of activity in the design, decision making and delivery of policy and schemes.		
Flood and water management	Publication and application of new Local Flood and Water Management Strategy and surface water policies to ensure development is designed to reduce flood risk i.e. Policies written to ensure that only developments which can prove they have enough attenuation on site for a 1% probability rainfall event plus a 40% upgrade for climate change (guidance from EA re percentages for different sites – anywhere between 20 and 40%); Undertake research for Defra (current).	Environment	Local Flood and Water Management Strategy published. Catchment Area Action Plans and policies in development. Support provided to Defra for the preparation of "Report of a review of the arrangements for determining responsibility for surface water and drainage assets"		<a href="http://www.gov.uk">Surface water and drainage: review of responsibilities - GOV.UK (www.gov.uk)</a>
Flood and water management	Develop 18 prioritised Catchment Area Action Plans - Working with communities to highlight flood and water management issues; Support for Parish Lengthsman schemes	Environment	In development. Due for completion 2021/22		
Flood and water management	Promote delivery of biodiversity, tree planting programmes and landscape enhancement to support flood risk reduction outcomes; Use of landholdings for flood attenuation; online storage, reed bed systems (flood attenuation and filtration) e.g. Education Estate, County Farms, Country Parks etc; application of Natural Flood Management principles e.g. Watercress and Winterbournes project.	Environment	Unsuccessful EOI submitted to Environment Agency Resilience Innovation Programme. Key concepts and ideas to be further developed and applied through Outer Winchester – Strategic Flood and Water Management Pilot Programme		<a href="https://democracy.hants.gov.uk/documents/s62243/Report.pdf">https://democracy.hants.gov.uk/documents/s62243/Report.pdf</a>
Flood and water management	Implement and adopt Sustainable Drainage Systems (drainage hierarchy) to reduce flood risk, reduce maintenance and increase ecology and biodiversity. Promote better management / control through policies in new Local Flood and Water Management Strategy and Catchment Management Plans.	Environment	Local Flood and Water Management Strategy published. Catchment Area Action Plans and policies in development.		
Flood and water management	Refresh and relaunch Hampshire Strategic Flood and Water Management Partnership Board as annual FWM conference	Environment	Review of purpose and terms of reference for Partnership Board completed.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Flood and water management	Advising riparian owners on maintaining and managing watercourses; Regulation and consent for work on Ordinary Watercourses	Environment	New guidance developed and made available through website and social media platforms		<a href="#">Riparian Responsibility - YouTube</a>
Flood and water management	Plan, develop and deliver flood risk and coastal defence schemes	Environment	Major flood alleviation schemes at Buckskin, Romsey and Winchester completed		<a href="#">Flood Alleviation Projects   Hampshire County Council (hants.gov.uk)</a>
Flood and water management	Review of Hampshire Minerals & Waste Plan to ensure steady and adequate supply of aggregates to ensure availability of material for flood event materials e.g. sand bags, beach replenishment etc.	Strategic Planning	Following the 2020 Review of the HMWP, authority to proceed with a partial update of Plan given by Cabinet and Council in Jan/Feb 2021 with Local Development Scheme agreed. Agreement from all partners also now in place. .		<a href="https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;Mid=6561&amp;Ver=4">https://democracy.hants.gov.uk/ieListDocuments.aspx?CId=163&amp;Mid=6561&amp;Ver=4</a>
Landscape	Develop countywide Green and Blue Infrastructure Strategy integrating Ecological Network mapping and Nature Recovery Networks etc	Environment	Collaborating with LNP, Wildlife Trust, National Parks etc. Tracking National Pilot Local Nature Recovery Strategies. Will accelerate with the Environment Act.		
	Develop and implement Tree Strategy including 1 million trees on the Highways project.	Environment	Work started on Hampshire Tree Strategy Action Plan. Collaboration with LNP, Wildlife Trust, Forestry Commission, Streets for Trees, Greening Campaign and other partners		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Resilient Communities</b>					
Community planning and resilience	Emergency planning for a range of events that may occur secondary to climate related adverse weather conditions that can impact on health such as: heatwaves; cold weather; mosquitos; ticks; and flooding. This also encompasses providing information about the physical and mental health effects of emergencies such as flooding.	Adults' health and care/public health		Impacted by Covid-19 response. No progress to date	
Community planning and resilience	Generate and issue regular communications and incorporate into audits to check it is not missed or overlooked. Plans include measures to mitigate effects of global warming such as extreme weather and personal resilience. Service business continuity plans to include consideration of how the service will remain resilient in the face of climate change impacts.	Adults' health and care/public health	Specific mitigation actions are also included in emergency response plans (heatwave and cold weather plans for example) and these plans are updated annually.	Audits / reviews of service business continuity plans are due to commence in the Summer 2021	
Community planning and resilience	Meals on Wheels service delivering hot nutritious meals who need support to manage and maintain nutrition. Procedures in place to deliver accessible meals to these individuals even in severe weather and highlight if support is required from local friends or relatives	Adults' health and care/public health	Public Health has stated scoping links and opportunities in response to Food Poverty.  During the pandemic, AHC was able to work effectively with partners to ensure that vital basic food parcels were delivered to vulnerable who were self isolated or shielding across the county		
Community planning and resilience	Visits are prioritised according to need and risk Business continuity plans are updated regularly for priority services Alternative, flexible working arrangements are embedded so more local travel is possible Where appropriate, other methods of contact such as Skype are used to engage with families	Childrens' services	Behavioural change has been a direct result of the pandemic resulting in flexible working arrangements and contact with families virtually which has accelerated the achievement of this action.	Whilst behavioural change has been achieved within a pandemic situation, the branch is now undertaking work to agree a set of principles to embed and sustain these changes as business as usual.	
Health	Develop Air Quality Management Plan including working with schools, workplaces and communities to raise awareness of air quality issues and what can be done to reduce exposure to pollutants through the routes taken, green walls, turning engines off and so on.	Strategic Transport	Clean Air Zones investigated in 4 locations (inc. Southampton) have taken place including the development of actions plan. However, the pandemic has impacted traffic levels which means this last year has seen a drop in emissions levels and so monitoring performance is not considered representative of action plans yet. PH and ETE continue to liaise with District/Borough LA's with AQMA's to identify opportunities to reduce vehicle related emissions such as CAZ's, and Environmental Health written Supplementary Planning Documents drafted to reduce impact of new housing developments in infrastructure and emissions. Winchester CC has consulted on its SPD. An event for planners, ETE/PH and EH reps to achieve relevant implementable SPD's has been held.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Health	Education of carers and staff to ensure appropriate use of sunblock and increased fluid intake	Childrens' services	There is advice available to foster carers, this needs to be more obvious within the Foster Carers' Handbook. It is embedded practice that guidance and advice is given each time we receive a heatwave alert. [PH/EP also issue alerts to childcare settings and schools, issue public facing comms, and training support to early years settings].	Advice to be included in the FC Handbook.	
Health	Reduce exposure by i) using more efficient protective clothing ii) consider greater use of evening/overnight working in summer months.	Highways (commissioning)	2 reports in 2020 via the HHSC contract. The HHSC is looking to roll-out twilight gangs to help reduce potential for sunburn and heat exposure, along with improving productivity. Long sleeve tops are mandatory requirement to manage sun exposure.		
Energy efficiency and reduction	A freephone advice line and online advice service. Providing straightforward advice about climate change and sustainability, including energy efficiency and home insulation, to support communities involved with the Greening Campaign	Climate Change	The Environment Centre have responded to 376 telephone enquiries, have received 688 unique website views and have facilitated wide social media engagement (approx. 55k 'impressions' (views/likes etc.)) The greatest proportion of enquiries were in relation to the Government's Green Homes Grant schemes (308), followed by energy efficiency (224) and renewable energy generation (98) enquiries. Approximately 40% of both energy efficiency enquiries and renewable energy generation enquiries were subsequently referred for further specialist installation advice.		
Community energy	Supporting and enabling local communities to be more energy efficient and to build their own capacity for renewable energy by establishing a Community Energy Network across Hampshire. A pilot project will find start-up projects for community groups	Climate Change	A survey received 80 responses, and helped to identify five community groups. Community Energy South hosted an online 'Masterclass' in May 2021, attended by up to 90 participants, to share the training, guidance and best practice across all Hampshire groups. Community Energy South are now working with one community group in-depth to assist them to take their community projects to the next stage. This will include developing technical and feasibility aspects, project financing and financial feasibility, production of a business plan and the establishment of a legal entity. Other frontrunner communities will also be supported through the development of a bespoke 'Kick-Start' mentoring package.		
Community energy	Solar Together group buying scheme. Providing the opportunity for selected homeowners and small to medium businesses to buy high quality solar panels at a highly competitive price. Reverse-auction scheme which usually favours local suppliers	Climate Change	Registration for Solar Together Hampshire was open from 15 February to 23 March and 8,007 residents registered for the scheme. The supplier auction, held on the 23 March, attracted an average 36% discount across all systems compared to prevailing market rates. Following the action, 1,436 registrants accepted their Solar PV quotation and 131 accepted their battery quotation for installation. The acceptance rate for solar PV was 19% versus a target of 15%. Detailed surveys are now being undertaken by the winning installer and installations are planned to be completed by the end of October 2021.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
Behaviour change	Greening Campaign - supporting community groups, via parish councils, progress through a series of phases to make carbon savings in their homes and within communities. Each Phase contains an Information Pack, on-line resources, videos and supports residents by email. Training is also provided.	Climate Change	In the last year, the Greening Campaign has engaged with 40 groups in Hampshire. Of these, 16 groups are currently active, and 2 groups have completed Phase 1 – and these groups have already outlined their interest to commence Phase 2 (rewilding, retrofit and health & wellbeing). The groups are distributed across 7 of the District and Borough Council areas.		
Residential homes	Providing input into local plans including the design of new build homes and their heating, cooling and ventilation systems as well as influencing the role of community development workers and how this may link with emergency planning	Planning and Environment	Primarily Local Planning Authority issue but HCC will influence where possible through Hampshire & Isle of Wight Planning Officers Group and where extra care/supported housing is planned. Public Health also review large scale planning applications (housing) to consider health impact in relation to dwellings but also active travel, access to green/blue space etc.		

			Progress 2020 - 2021		
Project Area	Action	Service delivering	Progress	Outstanding issues with delivery and response	Links to reports/website or other relevant information
<b>Resilient Businesses &amp; Green Economy</b>					
<b>Skills</b>	Initiate roundtable discussions with key business leaders to discuss their role in working with us to maintain local economic resilience whilst adapting to climate change impacts and putting in place preventative and mitigating measures. Engage with FSB and Chamber of Commerce and others to reach SMEs	Economic development		Impacted by Covid-19 response. No progress to date	
<b>Skills</b>	Encourage businesses, through our partner networks, to recognise the longer-term benefit and business sense of adapting to lower dependency on fossil fuel energies, adopting rainwater harvesting, switching off the lights, etc.	Economic development		Impacted by Covid-19 response. No progress to date	