

Carbon Mitigation Action Plan 2020-2025 Progress 2021-22

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Transport				
Electrification	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	Economic, Brand advertising (on vehicle livery) Raising awareness of positive reputation of HCC Health benefits from reduced air pollution	Fleet has been reduced to 2 vehicles, as engagement team was scaled back to 2 people. Vehicles continue to be used for transporting materials to and from events across the County as they have been resuming again.
Electrification	ETE department to change all (suitable) diesel vehicles to Electric.	Highways (commissioning)	Economic, saving in running costs. Health benefits from reduced air pollution.	Ongoing with new electric cars and vans due in 22/23.
Electrification	Transition Skanska HHSC Operational fleet (3.5T, 7.5T 15T) to electric.	Highways (commissioning)	Economic, saving in running costs. Health benefits from reduced air pollution.	Ongoing for very small vans.
Electrification	Transition Skanska company car fleet to hybrid and electric.	Highways (commissioning)	Economic, saving in running costs. Health benefits from reduced air pollution.	Ongoing
Electrification	Look at travel plans for site teams and personnel visiting site or provide electric pool vehicles for members of staff regularly traveling for work.	Highways (commissioning)	Economic, saving in running costs. Health benefits from reduced air pollution.	Ongoing
Electrification	Geotechnic and Land Survey vehicles to change to electric where appropriate (4x4 electrics not readily available).	Highways (commissioning)	Economic saving in running costs Health benefits from reduced air pollution.	Under review due to battery power.
Electrification	Transition Skanska equipment / plant to electric	Highways (commissioning)	reduced transport pollution costs and time	Trials and ongoing work across all plant and equipment. All routine maintenance vegetation operations, such as hedge trimming, leaf blowing, and minor tree-clearance works, are now being carried out with battery-powered strimmer's, chain saws, leaf blowers and the like. Larger types of plant are becoming available, and we piloted the use of a new-to-market electric dumper which provides more than an 85% reduction in CO2 emissions. A new battery electric loader and an electric plate compactor have also been trialled in one of the depots

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Electrification	To explore the possibility of introducing an Ultra-Low Emission Vehicles (ULEVs) scheme across Hampshire County Council (HCC).	HR	The Ultra Low Emission Vehicles scheme would play a key role in contributing to and embedding HCC's Climate Change Strategy as it promotes an environmentally-friendly method of transport which reduces the carbon footprint. It also has financial benefits for both the employee and employer (Tax and NI) as it is administered via salary-sacrifice. It would also form part of an employee's total reward package which may improve levels of engagement and act as a staff retention and motivation tool	Proposals being put forward for consideration
Electrification	Actively trial and promote new vehicle technology when it arrives on the market e.g. electric minibus	CCBS	Reduced air pollution	We are continuing to seek opportunities to test and trial new, or more green, vehicle technologies. Still limited offerings due to global parts shortages. Also a reluctance for manufacturers to test electric base vans to the correct braking standard for conversion to minibuses. No manufacturer built EV minibuses on the market.
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	Health: reduced GHG emissions, improved air quality, Economic: reduced running costs of vehicles	The main challenge has been in relation to behaviour change and overcoming barriers to change - charge point and range anxiety. We have actively engaged with services to discuss options, provide realistic options, and organise the appropriate charge point infrastructure. There are currently 52 EV's in HCC's vehicle fleet (33% of eligible in-scope vehicles have been transitioned to EV to date).
Electrification	COMPLETE 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	Expansion of EV network for EV drivers; Improved air quality	Complete
Electrification	Provision of pilot on-street residential electric vehicle charge points	Highways (traffic)	Expansion of EV network for EV drivers with a focus on residents; Improved air quality	Phase 1 pilots, usage (kWh) continues to grow. Year 1 report to be produced in May/June 2022. Phase 2 designed and to be delivered in 22-23.

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Travel planning	Bid for schemes that enable us to decarbonise transport systems	Strategic Transport	decarbonising the transport system	The UK levelling up agenda and reduction in government grants has meant that HCC has recently had limited success. Highlights include, capacity funding for public transport, grants for supporting bus operators, and small sum for active travel. Lowlights have been a zero funding settlement for HCC's Bus Service Improvement Plan.
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	Staff attendance, reputation, physical health, mental health, congestion, improved local relations, air quality, life skills, road safety, financial savings (individual and corporate), carbon reduction, viability on local public transport services,	This activity is progressing in parts, but the combined impact of the pandemic which has unsettled staff travel patterns, and the need to do new policy work such as school streets, has required the reallocation of resources to other priorities.
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	Physical health, mental health, congestion, improved local relations, air quality, life skills, road safety, financial savings, carbon reduction, viability on local public transport services, crime reduction, staff attendance	Significant progress has been made with regulatory and voluntary travel plans following the recent recruitment of a small team to undertake this activity. School Street pilots are drawing to a close and will be evaluated soon.
Travel planning (reduced travel)	Green scheduling of work/jobs to reduce carbon emissions through travel, winter maintenance	Highways (commissioning)	reduced transport pollution, costs and time	Delayed due to capacity.
Travel planning (reduced travel)	First time fix avoid duplicate visits. Also multi-skilled gangs to avoid multiple visits.	Highways (commissioning)	reduced transport pollution, costs and time	Ongoing
Travel planning (reduced travel)	Complete Transport and health needs assessment	Public health	Health	As per 2021-2022 - action complete.
Travel planning (reduced travel)	Work with providers to develop provision according to needs within the Hampshire boundaries.	Children's' services	Reduction in costs to travel budgets Increase in outcomes for children through greater variety of placements and placements closer to home Health benefits from use of public transport through encouraging walking to get to transport	The Modernising Placements Programme (MPP) continues as per the plan. The new fostering households target has increased further, and the programme remains on track.
Travel planning (reduced travel)	Increase the number of in house foster carers, and increase occupancy in the in house residential provision.	Children's' services	Reduction in costs to travel budgets Increase in outcomes for children through greater variety of placements and placements closer to home Health benefits from use of public transport through encouraging walking to get to transport	The Modernising Placements Programme (MPP) continues as per the plan. The new fostering households target has increased further, and the programme remains on track.

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Travel planning (reduced travel)	Consider the climate impact alongside safeguarding when making decisions about placements.	Children's' services	Reduction in costs to travel budgets Increase in outcomes for children through greater variety of placements and placements closer to home Health benefits from use of public transport through encouraging walking to get to transport	The issue of placement suitability and capacity is currently a national crisis. We are confident that MPP will positively contribute, as does our investment and commitment to local Hampshire foster carers and Hampshire residential children's homes, but this remains challenging. Our residential strategy is exploring the increases of our internal residential estate.
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	Children's' services	Reduction in costs to travel budgets Increase in outcomes for children through greater variety of placements and placements closer to home Health benefits from use of public transport through encouraging walking to get to transport	Pool cars are frequently used by staff and car sharing is routinely encouraged. Public transport is encouraged and supported where this is possible, efficient, and safe. Corporate comms reminders are published to the landing site when opening browsers.
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)	Air quality	The ROMANSE Twitter account was created in April 2009 and has amassed 21,173 followers to date. ROMANSE website traffic between 2 May 2021 - 30 Apr 2022 shows 258,521 page views, with 70% returning visitors. This shows that the public are using the ROMANSE output to make informed choices depending on current events on our transport network, where they can compare CCTV, a live traffic flow map and Twitter notifications.
Travel planning (reduced travel)	Enhance on-street parking and loading controls to reduce congestion	Highways (traffic)	Health (decrease in acute and long term conditions due to poor air quality)	Executive Member Decision to end all seven remaining agencies and create a single countywide parking service. 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)	Health (decrease in acute and long term conditions due to poor air quality)	Generally only undertaken in response to reported or observed concerns.
Travel planning	*NEW Equipment prescribers to ensure items fully explained and accepted, prior to request & to order all items for each person together to reduce multiple visits	Adults social care	economic, improved customer service and communication	Restarting training this year to train prescribers to issue equipment correctly. We have also produced a how to guide on equipment prescription. We are using technology to route journeys. Furthermore, we track vehicles to look at speeding and poor driving habits as well as using HVO fuel to reduce carbon emissions.
Travel planning (reduced travel)	*NEW Booking service users and carers into community hubs/ virtual appointments rather than social workers travelling to individual services/ service users homes	Adults social care	Better community links, and impacts on social isolation	Community hubs paused during Covid with appointments taking place virtually instead. Community hubs model for appointments to be re-visited now that Covid restrictions have been lifted although virtual appointments to continue where appropriate.

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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	Reduced social isolation supports independent living	Service has resumed as of February 2022 and is running at full capacity. Met with project leads in April 2022 and to date the project has assisted 454 unique users with 1431 individual journeys. User feedback suggests that had the service not been in place 16% would have used their own car (rather than the group transport) 63% would have used higher cost options such as Taxis and 21% would have cancelled their health appointment owing to a lack of transport. The project continues to deliver against its aim of reducing social isolation and loneliness with 72% of respondents stating they felt less isolated from their communities.
Digital enablers	Complete 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	Health (providing timely care in a way that meets the patient's needs)	As per 2021-2022 - action complete.
Digital enablers	Using technology in care to support remote access	Adults social care	Increased productivity, costs, reduced wear and tear on fleet	Reintroducing Telemedicine into service. 50% of training now delivered online. Meetings held via teams where appropriate. Use of digital enablers to reduce paper and printing. Equipment available to staff where appropriate for flexible working and working from home. Increase in available devices and improvements in connectivity to allow for virtual service user visits where appropriate.
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	Health (providing timely care in a way that meets the patient's needs)	We now provide TEC services to in excess of 14,000 individuals across Hampshire, making a significant impact in reducing reliance on more intensive forms of care delivery.
Digital enablers	Consider greater use of tele-conferencing to reduce time wasted travelling to/from meetings and vehicle use anyway.	highways (commissioning)	Reduce electricity/fuel costs, more efficient use of staff time at work, congestion benefits, better work life balance.	Fully embedded.
Digital enablers	Consider HCC managed Design working at home to reduce commuting in and out of Winchester.	highways (commissioning)	Reduce electricity/fuel costs, more efficient use of staff time at work, congestion benefits, better work life balance.	Fully embedded.
Digital enablers	Flexible working practices including teleconferencing, the use of drop-in centres and working from home	Public health	Reduce electricity/fuel costs, more efficient use of staff time at work, congestion benefits, better work life balance.	Complete - PH largely now work from home as a permanent arrangement, with all members of staff working flexibly in a hybrid fashion. Unnecessary travel is actively discouraged.
Digital enablers	Embed a culture of working flexibly through the use of devices, Microsoft Teams, conferencing, Skype etc.	Children's' services	Reduce electricity/fuel costs, more efficient use of staff time at work, congestion benefits, better work life balance.	Complete - The use of virtual meetings is now encouraged and supported across CSD where appropriate and where it does not impinge on the quality of our interventions with children and families.

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Digital enablers	*NEW Completing more customer facing tasks on the phone and online	Adults social care	Quicker outcomes promoting prevention	CART is in the early stages of improving Chatbot functionality on their webpages to encourage the public to make referrals online as well as signpost via automated flows to online resources. This will improve comms to service users by using the Chatbot welcome message to communicate key information. The Chatbot is part of the work to improve the department's front door by making the most of new technology to support callers to self-serve their queries as far as possible, improve customer experience and create more capacity amongst frontline teams. Work to improve the Chatbot functionality will be completed during 2022/23.
Digital enablers	Using technology including telephone conference calls to enable flexible working whilst reducing emissions and avoiding fossil fuel consumption in travel. Using mobile technology as an alternative to home visits	Adults social care	Family friendly employment practices; less reliance of office space	During Covid-19, in so far as possible and appropriate, AHC staff worked remotely from home, utilising technology which significantly reduced travel. During 2021-22, face to face social work visits have resumed and teams have established 'new ways of working'. Whilst this has seen more people travelling to office locations for work, this has largely been on a Hybrid basis and working patterns have not returned to pre-pandemic levels of travel and office based working. In view of SP25, there is interest in establishing more 'back office' staff as home workers.
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	Cycle to Work is a government initiative to encourage cycling as a means of transport to work. It reduces carbon emissions and promotes a healthy lifestyle. It also has financial benefits for both the employer and employee (Tax and NI) as it is administered via salary sacrifice	Proposals being put forward for consideration
Active travel	Complete Developing evidence on health benefits of alternatives for transport	Public health	Physical health, mental health, air quality, life skills, road safety, financial savings	As per 2021-2022 - action complete
Active travel	Supporting behaviour change around 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	Physical health, mental health, air quality, life skills, road safety, financial savings	School Streets first phase has now been evaluated; the scheme has also been extended for another year.
Active travel	Supporting active travel team with community travel plans (Whitehill and Bordon new developments)	Public health	Physical health, mental health, air quality, life skills, road safety, financial savings	Better points scheme has been trialled in Whitehill and Bordon to incentivise active travel.

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Active travel	Encouraging staff to walk or cycle to work, and use park and ride facilities	Public health	Physical health, mental health, air quality, life skills, road safety, financial savings	PH largely now work from home as a permanent arrangement, with all members of staff working flexibly in a hybrid fashion. When travel is necessary, most staff drive and use park ride facilities, with many staff also cycling, walking and using public transport.
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	Health (increased physical activity)	PH provided further input on LTP4 prior to the public consultation - now pending outcome of public consultation in order to provide further input into thematic papers etc.
Active travel	Develop an active travel topic paper for LTP4 including developing HCC design principles for implementing better walking or cycling schemes.	Strategic transport	improved Quality of our cycling and walking environments	LTP4 includes an active travel section and is out to consultation till 26 June 22.
Active travel	Supporting schools with travel planning and measures (e.g. cycle training)	Public health	Health and educational benefits (increased physical activity, awareness environmental pollution)	PH continue to commission active travel team to carry out school travel planning initiatives.
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	Physical health, mental health, congestion, improved local relations, air quality, life skills, road safety, financial savings, viability on local public transport services, crime reduction, reduced no. of complaints	Currently scoping a commission for service to develop development control and master planning guidance. Subject to consultation and then adoption this will support the emerging LTP4 policy on the same topic.
Travel - Delivery efficiencies	COMPLETE Deliver the reduction in GHG emissions from the integration of Couriers and County Supplies fleets	CCBS	Reduced carbon footprint, improved air quality	COMPLETE In the first year after the Integration 1st June 2020 to 31st May 2021 the following was achieved: 25% reduction of mileage among County Supplies and Couriers vehicles (606,387 miles) from the 805,429 miles baseline set from 1st June 2019 to 31st May 2020. 9% reduction of fuel use among County Supplies and Couriers vehicles (101,609 litres) from the 110,678 litres baseline set from 1st June 2019 to 31st May 2020. 21% reduction in CO2e emitted (333,758KGCO2e) from the 424,830KGCO2e baseline set from 1st June 2019 to 31st May 2020.

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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	Offering staff benefits, including discount on public sector travel (i.e. South Western Railway currently offer discounts of up to 20% on season tickets) will continue to promote an environmentally-friendly form of transport (i.e. Less travel by car) which will help to reduce carbon emissions.	Proposals being put forward for consideration
Public transport	Partnerships with bus operators to improve vehicle emissions through new vehicle investment or retrofit existing buses with clean exhaust technology.	Strategic Transport	Economic, air quality; healthier lifestyles	Funding secured through DfT's Zero Emission Bus Regional Area fund. £6.9m for electric buses in Gosport, Fareham and Portsmouth. Joint bid with First Bus and Portsmouth CC for 34 new electric vehicles and associated infrastructure. Delivery in 2023/24. New fleet of Euro 6 specification buses to be launched on Eclipse in June 22.
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	Economic, air quality; healthier lifestyles	Portsmouth & Southampton Transforming Cities Fund (TCF) projects are delivering bus priority measures, improved passenger facilities, quicker journey times by bus. Supported by more real time information screens, bus stop improvements and Solent Transport's Mobility as a Service public transport ticketing 'App'. There are now over 600 Real Time screens in Hampshire. 1km extension to the Fareham-Gosport BRT busway opened in 2021. Project to enforce bus priority measures by CCTV under development, helping to keep bus lanes clear and speed up bus services.
Public transport	Continued membership and engagement in Transport for the South East - Transport Strategy to 2050	Strategic Transport	Air quality, health benefits, economic benefits (reduced road congestion).	Work with TfSE to bring forward a Strategic Investment Plan (SIP) is reaching its conclusion following significant technical work. HCC will formally respond to the SIP later in the year.
Public transport	Develop a new public transport Strategy as part of LTP 4: <ul style="list-style-type: none"> •Develop and promote concepts for rapid bus inc. bus priority measures <ul style="list-style-type: none"> •Develop and interchange plan for rail stations •Enhance existing integrated ticketing system •Enhance bus stop infrastructure across Hampshire •Grant fund tap on tap off bus technology to improve the customer experience •Implement enforcement of bus lanes and use hypothecated income to subsidise public transport 	Strategic transport	Health, Environment, Economic and Social	LTP4 is out to consultation till 26 June 2022 and includes a public transport section

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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	Air quality, traffic easing, health, economic	Good progress is still 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)	Economic, saving in traditional fuel and possible maintenance costs. Health benefits from reduced air pollution	HVO fuel now in all HCC depot and used by Milestone and HCC owned vehicles.
Fuel type	Change the Skanska Dragon Patcher burners from Diesel to Kerosene.	Highways (commissioning)	Economic, saving in overall dragon patching costs.	Ongoing
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	Reduced air pollution	After a successful initial pilot of 4 vehicles, the pilot was expanded to all 5 depot bulk fuel sites in August 2021. All HCC vehicles now have access to HVO fuel. HVO is also being provided to partners. As of April 2021, 598,453 litres of HVO has been provided.
Air quality	Shaping air quality communication messages and campaigns	Public health	Health (decrease in acute and long term conditions due to poor air quality)	Continuing to support HCC comms as well as liaising with ETE to ensure corporate consistency. Continuing to work with District/Borough as well as colleagues within NHS to produce joined up messaging.
Air quality	Developing an air quality position statement to increase dialogue between ETE and public health Change to - work in partnership with ETE and district & borough colleagues to implement air quality recommendations.	Public health	Health (decrease in acute and long term conditions due to poor air quality)	Open dialogue between ETE and PH continuing
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	Health (decrease in acute and long term conditions due to poor air quality)	Ongoing as part of BAU

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Air quality	<p>*Complete Air quality sub group of the Environmental Health Chief Officers group - present data and PHE toolkit on health benefits of AQ for every district</p>	Public health	Health (decrease in acute and long term conditions due to poor air quality)	Complete
Air quality	<p>Work with Town and Country Planning Association and ETE to deliver four workshops with partners across Hampshire to decide action on air quality. Implement recommendations as per the TCPA report May 2022.</p>	Public health	Health	<p>TCPA commissioned to deliver two further workshops to drill down salient actions around air quality. A final report has been produced with recommendations for air quality improvement which will be taken forward as part of a task and finish group.</p>

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Energy Distribution and Generation				
Renewable energy	Where effective, using solar panels to reduce energy consumption	Adults social care	economic	All facilities where possible have been implemented
Renewable energy	Install PV panels on ETE depot buildings.	Highways (commissioning)	economic	Completed.
Renewable energy	Install PV panels on Trafalgar House building roof.	Highways (commissioning)	economic	Ongoing
Renewable energy	Install EV charging points in Trafalgar House Car Park.	Highways (commissioning)	economic	Ongoing
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)	Economic, reduce air pollution	New specification written and included in model contract documents.
Renewable energy	*Complete Transition of energy supply for HCC estate to 100% renewables	CCBS	Reduced air pollution	Complete
Renewable energy	*Complete 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	Reduced air pollution	Complete
Energy efficiency	Using LED light bulbs to reduce energy consumption whilst maintaining safety	Adults social care	Economic	Implemented in all services where appropriate
Energy efficiency	Ensuring that all computer equipment (laptops, monitors, etc.) are turned off when not in use and not left on standby overnight	ETE Business Support	Reduced electricity costs.	Ongoing as part of BAU
Energy efficiency	Changing policy for lighting new developments to reduce the extent to which street lighting increases over time	Highways (traffic)	Economic	Ongoing

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Energy efficiency	Retrofit LED lights in ETE depots and Skanska's Trafalgar House	Highways (commissioning)	Economic, employee wellbeing	Ongoing
Energy efficiency	Replacement of high-pressure sodium street lights with low energy LEDs	Highways (traffic)	Economic, reduce air pollution	Contract negotiations remain underway.
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)	Economic	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)	Economic	Ongoing
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)	Economic	Ongoing
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	Cost reduction	1 project currently in progress to install LED lighting at HSS. Residual amount of funding left, and likely 1 more project will be undertaken this financial year to spend this.
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	Cost reduction	Currently on hold. Salix no longer operate the loan scheme. Property Services are looking into alternative ways to continue this programme.

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Decarbonisation	*NEW Public Sector Decarbonisation Scheme Programme	CCBS	Economic	<p>The Grant funded Phase 1 Decarbonisation Programme is now more than 90% complete and is progressing well to its conclusion this Summer in accordance with Salix Public Sector Decarbonisation Scheme (PSDS) timelines.</p> <ul style="list-style-type: none"> - 72 sites have received double glazing - 252 sites have received solar PV roof panels - 15 sites have had boiler conversions from oil to gas - 15 sites have had cavity wall installations - 65 sites have received upgraded heating controls <p>The Phase 1 Decarbonisation Programme represents a serious commitment to carbon reduction and includes both corporate and school sites.</p> <p>Preparatory work is commencing in readiness for bidding for a further round of PSDS funding in the autumn.</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	Economic and environmental	<p>An Energy League table has been established measuring the Scope 1 and 2 carbon footprint of all HCC buildings. This will enable us to tackle the worst performing assets as a priority.</p> <p>An Energy Decarbonisation Plan is being developed. The Energy Decarbonisation Plan comprises a Heat Decarbonisation and a Power Decarbonisation Plan.</p> <p>A Low Carbon Construction Plan is further being developed to ensure that new buildings align with the Council's Climate Change Long Term Strategy.</p>

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Buildings and Infrastructure				
Energy efficiency	*Complete Repairing, upgrading and investing in buildings	Adults social care	Buildings operate effectively in extremes of temperature, lower energy consumption, more efficient heating	Completed in all services where facilities that would benefit were identified in 2020-21
Highways construction/materials	Providing input into Local Plans to promote walkable streets through creating safe, attractive and convenient routes	Public health	Health (increased physical activity), social (decreased crime/anti-social behaviour)	Ongoing as part of BAU
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)	Economic, reduce air pollution	Updating 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)	Economic, saving in electricity costs.	Embedded in HHSC and model contract documents. There has been an increase in the use of warm mix/cold lay asphalt for resurfacing schemes.
Highways construction/materials	Increased incorporation of RAP (Recycled asphalt pavement) into all hot asphalt.	Highways (commissioning)	Economic, saving in electricity costs.	Ongoing
Highways construction/materials	Change all (suitable) Hot binder course materials to 'cold lay' for use on the highway network.	Highways (commissioning)	Economic, saving in electricity costs.	Rolled out in 22/23 programme, further trials and learning required.
Highways construction/materials	Use HBM as base and binder course material wherever possible on highway network.	Highways (commissioning)	Economic, saving in electricity costs.	Embedded in HHSC and model contract documents. Highways are continuing to work with the term contractor to increase the use of recycled materials in highway functions, such as HBM and cold recycled bituminous bound materials (CRBM) in the construction of carriageways and footways.
Highways construction/materials	Use recycled plastic kerbs and plastic gully covers for use on the highway network.	Highways (commissioning)	Reduced musculoskeletal injuries, economic	Not yet standard in HHSC, further contract guidance required.
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)		Trials being undertaken
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)	Economic	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.

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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	Assessment of environmental benefit is difficult and needs to be done on a site by site basis and has restricted use to mainly greenfield sites where the ground conditions are suitable. Note the framework contract would often be required to take on design liability for this element and may not be willing or able to do so.	Requirement to consider suitability of use on a scheme-by-scheme basis to be incorporated into the Pavement Foundation Design Technical Guidance Note to be published summer 2022. The Technical Guidance note being used for all Engineering Consultancy Schemes but also by districts, partners and external developers.
Highways construction/materials	Innovation quality questions in tender selection, to encourage carbon reduction	Engineering Consultancy	The identification and trialling of new low carbon techniques and materials	Draft specification for the use of low carbon energy on construction sites has been drafted and will be incorporated into all new highway contracts by summer 2022. This includes the use of HVO fuel/ULEVs/renewable energy sources for temporary site accommodation for both HCC accommodation/plant and contractors accommodation/plant. Approval for funding of development project with framework contractors approved to help develop suitable measures to include in contracts (directly specified or through quality measures). Work to progress on this element summer 2022.
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)	Economic, saving in traditional fuel and possible maintenance costs. Health benefits from reduced air pollution?	The review and work on the ETE technical guidance documents is well underway. Review of materials has commenced with some trials and these are being written into the technical guidance.
Highways construction/materials	Ensure technical teams have the appropriate training and skills to facilitate the development of low carbon solutions.	Highways (commissioning)	Economic, reduce waste	Climate/carbon workshops undertaken and learning across all staff improving
Minerals infrastructure	Establish baseline emission data and monitoring schemes for minerals infrastructure proposals.	Strategic Planning	Economic and health	We are seeking to establish a baseline through revisions to the policies in the Partial Update of the Plan. Work has also commenced on the revised validation checklist which will look at climate change assessment requirements.
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	Economic and health	Work is ongoing on the Partial Update of the Plan however this has been subject to delay and a revised Local Development Scheme will be subject to Cabinet and County Council decisions in June/July 2022. Work has also commenced on the revised validation checklist which will look at climate change assessment requirements.
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	Economic and health	Energy Recovery Facility emissions are monitored by Veolia for permitting conditions. Veolia are looking at haulage mileage. Veolia are trialling biodiesels in some of their HWRC haulage.

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Residential				
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	Improved health for those who are particularly susceptible to the cold. Improved economic situation where more cost effective heating solutions are identified. Reduced fuel poverty. Greater social support as more likely to have friends visit	<p>Estimated lifetime carbon savings resulting from energy efficiency measures installed (tCO2e): 1,597.34</p> <ul style="list-style-type: none"> • No. of people assisted by advice line: (including some who continued to receive support from previous year) 1070 • Practical measures installed: 186 • Level of external funding leveraged: £214,371.91 • Training: 272 attendees <p>Looking at the possibility of introducing digital feedback forms.</p>
Energy efficiency and reduction	A freephone advice line and online advice service provided by The Environment Centre - 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	Cost savings, health, social	<p>The Environment Centre have responded to 136 telephone enquiries in 21-22, mainly regarding insulation and renewable energy generation.</p> <p>Over 65,000 people were engaged over their social media channels, and 4,799 viewed the webpages.</p> <p>The Environment Centre's website will be undergoing development and will include web-based tools such as webchat. The new website will also directly support the New Economics Foundation recommendation for a "One-Stop Shop" for retrofit to create a central hub of information.</p>
Community energy	Establishing a Community Energy Network across Hampshire with Community Energy South.	Climate Change	Cost savings, health, social	<p>Community Renewal Funding awarded to support the development of 5 community energy projects from concept to fruition. The Overton community project – Test Source Community Energy is in the final stages of reaching a share offer stage. SSEN have agreed to fund a Microbusiness Energy Advice Service for Energy Alton.</p> <p>A 'Revolving Community Energy Fund' that will invest up to £25,000 for any individual community energy project was launched in May 2022, as part of the Community Energy Pathways project.</p>
Community energy	Solar Together group-buying scheme.	Climate Change	Cost savings, health, social	<p>Some delays to the scheme caused by covid, Brexit and supply chain issues have now been resolved with over 800 residents' solar PV installations planned to be completed by Autumn 2022</p>

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Behaviour change	<p>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.</p>	Climate Change	Cost savings, health, social	<p>Community Renewal Funding awarded to work with more communities. 11 communities have so far signed up to phase 1.</p> <p>5 communities have completed phase 1, with 977 households choosing carbon saving behaviours and placing the card in their window. An estimated 818.25 tonnes of carbon have been saved by the 5 communities, with an approximate annual cost saving of over £300,000. A further 9 communities have joined phase 2.</p> <p>Parish event delivered in November 2021 with 58 parish council representatives attending.</p>

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Waste and Circular Economy				
Catering waste prevention	COMPLETE Single use (non-recyclable) plastics will be eliminated from catering front of house of CCBS services.	CCBS	environmental	COMPLETE No front of house single use plastic is used under normal circumstances: The only single use plastic still in use in HC3S kitchens are: <ul style="list-style-type: none"> • bottles containing cleaning chemicals (health and safety) • clingfilm used to keep food safe and to extend life and reduce food waste.
Waste prevention	Winter Maintenance - route optimisation.	Highways (commissioning)	Economic (fewer salt-runs, less salt purchased/transported) health (reduced air pollution)	To be implemented in 22/23 - winter season now linked to Savings Programme for 2025.
Waste prevention	*Complete Adopting paperless methods of record management	Adults social care	Reduce demand for energy consumption associated with printing, storing, recycling paper based materials	Completed
Waste prevention	Being a paperless function	ETE Business Support	Cost reduction - reducing waste.	Ongoing as part of BAU
Waste prevention	Reuse equipment, for example PPE items	ETE Business Support	Cost reduction - reducing waste.	Ongoing as part of BAU
Waste prevention	*NEW Avoid creating future waste products where feasible; recover and reuse waste from essential products.	Highways (traffic)	Economic	Executive Member Decision to end all seven remaining agencies and create a single countywide parking service. Negotiations underway to agree hand-over timings.
Recycling	Decontaminating and recycling 90% prescribed equipment items	Adults social care	Economic	90% of equipment recycled - aim is to continue to improve the recycling rate

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
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	Environmental protection	<p>Data on waste collection and recycling rates has been collected and validated, with realistic potential goals for recycling rates established.</p> <p>Liaison is underway with Country Parks and Sir Harold Hillier Gardens to understand what waste disposal facilities are currently available for visitors and how those might be improved with increased signage and other behaviours change elements.</p> <p>A "toolkit" of guidelines designed to assist staff and services with making good decisions on waste disposal is being developed. The aim is to roll this out through SharePoint and other channels to help all services with improving recycling rates and reducing waste volumes generally.</p>
Recycled materials	Create a recycled cold binder and base materials from plannings/waste to use in the highway network.	Highways (commissioning)	Economic	Completed
Recycled materials	Create a recycled aggregate sub-base materials from waste to use back in the highway network.	Highways (commissioning)	Economic	Ongoing trials. Micheldever Recycling Facility continues to provide a sustainable approach for Hampshire County Council to recycle its own network and reuse waste material into roads and footways. The facility is a leading example of what can be achieved and as well as winning awards has also attracted interest from others within the construction industry.
Recycled materials	Safeguard existing recycling capacity and support new aggregate recycling proposals.	Strategic Planning	Economic and health.	Work is ongoing on the Partial Update of the Plan however this has been subject to delay and a revised Local Development Scheme will be subject to Cabinet and County Council decisions in June/July 2022.
Recycled materials	Strategy to commit to ensuring that all collateral is made from sustainable materials and wherever possible recyclable or biodegradable.	Children's' services	Reduction in food costs Healthy eating Community participation	Corporate procurement advice is followed and adhered to, the effective and efficient use of food and other daily living resources in children's homes and other settings is promoted and encouraged.
Recycled materials	Already encourage use of recycled materials for pavement construction (roads and footways of new developments and major schemes) eg IBAA and Type 1 Materials, HBM, already in standard details but could emphasise.	Engineering Consultancy	Economic	CBRM specification developed and to be incorporated into all highways contracts and standard details summer 2022, together with the promotion of warm mix surfacings rather than hot mix surfacings. Research into the use of low carbon concrete to progress Autumn 2022 with the aim of incorporating this into contracts where suitable by end of financial year.
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)	Economic, environmental	Completed

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Disposal	Review alternative methods, consider longer-term feasibility and implementation within boundaries of existing contracts and future aims	Waste and resource management	Economic, health, social	Government's consistency agenda means that more kerbside residual waste (food) will shift from Energy Recovery to Anaerobic Digestion, which is government's preferred environmental route for this waste. Veolia are working on removing material, for example mattresses, to recycle their components rather than incinerate. The disposal contract runs until 2030 and we will look at what our future infrastructure needs are likely to be.
Disposal	Review alternative methods, consider longer-term feasibility and implementation within boundaries of existing contracts and future aims	Strategic Planning/Waste & Resource Management	Economic, health, social	Strategic Planning: Work is ongoing on the Partial Update of the Plan however this has been subject to delay and a revised Local Development Scheme will be subject to Cabinet and County Council decisions in June/July 2022.
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	Economic, health, social and wider environmental benefits	The refreshed Joint Municipal Waste Management Strategy (JMWMS) for Project Integra has been published, with agreement for all collection authorities to move to twin stream recycling collections. These were identified as the best option in terms of carbon impacts, amongst others. HCC has approval to submit a planning application for the new MRF to accommodate the twin stream collection process. Different authorities are at different stages of transitioning to twin stream ahead of April 2024 planned start date. Several authorities have introduced or are introducing separate food waste collections ahead of the forthcoming legislation. HCC continues to work with partners through Hampshire Waste Partnership and developing an Inter-Authority Agreement.
Food waste collection	Explore the feasibility of expanding food waste collections to Schools.	CCBS	Economic and environmental	Work is underway to investigate feasibility of food waste collections and raising awareness of this issue with schools because most schools do not currently have food waste collections.

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Food waste collection	Explore the feasibility of expanding food waste collections in CCBS' managed locations e.g. Offices, CCBS sites.	CCBS	Economic and environmental	<p>Food waste collections are in place in some HCC locations, including around catering areas.</p> <p>A food waste pilot study at a Country Park demonstrated benefits of food waste collections. Food waste collections have subsequently been introduced at Queen Elizabeth Country Park and Royal Victoria Country Park.</p> <p>Food waste quantification is taking place in some locations where food waste is anticipated to be generated to identify potential opportunities.</p>
Reuse	Drive material up the hierarchy, enable reuse ahead of recycling; support local organisations that enable reuse	Waste and resource management	Economic, health, social and wider environmental benefits	<p>Approval was given to take forward a trial of a new reuse service in Hampshire. This will be set up in Andover. Work continues to drive material up the hierarchy through the Waste Prevention Programme, including promotion of reuse, repair and alternatives including charities and Freegle. The Grant Fund programme has supported a variety of projects in 2021/22 including repair cafes. The grant funded projects have saved the equivalent of 5.5 tonnes of carbon. These figures are taken from monitoring information supplied by projects for 1 year after funding is awarded.</p>
Closed Landfill	Closed Landfill: Manage and monitor closed landfills incl landfill gas - reuse gas where feasible and minimise carbon impacts	Waste and resource management	Economic and wider environmental benefits	<p>Veolia are prioritising landfill gas utilisation to generate electricity over flaring and are required to do so under their permit.</p>

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Business and Green Economy				
Business Emissions	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	Identify opportunities to collaborate and raise awareness amongst businesses of things they can do to mitigate impact and get support to adapt.	Ongoing
Business Emissions	Act as a strategic partner to the ERDF LoCASE project which will deliver business support, guidance and grant funding to SMEs	Economic development	The grants programme will support local SMEs to: improve their energy efficiency and resource use; support eco-innovative and low carbon solutions in ways that improve business performance in terms of resilience, profitability and competitiveness; and at the same time create jobs and contribute to the protection of the environment	Ongoing
Locally sourced food	Developing a Hampshire eating out healthily award which will incorporate a sustainability element prioritising locally sourced food	Public health	Promote healthy and sustainable food. Support and highlight businesses that provide this.	Environmental Health Officers in districts/boroughs largely showing support for a catering award so this is now being redeveloped with a greater number of sustainability criteria in mind.
Green technology	Establish a marine innovation 'catapult' at Fawley - a national centre of excellence for industry to develop low carbon solutions for the future.	Economic development	Developing world-leading technologies and techniques to deliver low/no carbon products and services that can service the UK economy and be exported	

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Natural Environment				
Carbon sequestration and public education	Develop a climate positive Country Park at River Hamble	CCBS	Cost reduction, increased public education, test new approaches for future schemes. Environmental protection	<p>The Barn' (a new cafe), has opened at River Hamble Country Park which features many environmentally friendly features such as solar panels, electric car charging points, extra insulation. 'The Barn' has been constructed using locally sourced timber and recycled construction materials to minimise it's carbon emissions.</p> <p>A battery has been installed onsite to store electricity and we are seeking to improve storage efficiency so that electricity can be used on site rather than going back to the grid. In the lifetime of the new barn building at River Hamble it has generated 5.67 megawatts, with 4.91 megawatts this year. As of Spring 2021, 41% of the power is from solar, 16% from the battery and 43% from the grid.</p> <p>'The Barn' forms part of ambitious plans to make the River Hamble site a climate friendly park.</p>
Carbon sequestration and public education	Develop the Sir Harold Hillier Gardens Feature Garden, using it as a climate change educational tool. The Feature 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.	CCBS	Increased public education, economic	<p>The Feature Garden project was impacted by Covid-19 due to funding and operational challenges. During this time, the opportunity was taken to revisit the project to ensure it's fit for purpose and enables Sir Harold Hillier Gardens to meet its business and climate change objectives.</p> <p>Meetings have been held with senior HCC staff to look at the revised list of priorities for the East end of the Garden. The design of the Feature Gardens has been revisited to ensure the Feature Garden is a success. The project will be re-costed prior to SHHG engaging a full range fundraiser to work with on-site staff in generating the funds necessary for the project and other climate change initiatives. Discussions are being held with the feature garden designer Tom Stewart-Smith who is, from recent experience, bringing new ideas to the table which will further the project.</p> <p>A new propagation unit is key to the Feature Garden and will also benefit Sir Harold Hillier Gardens operationally when complete. Funding of £150k has been obtained for the propagation unit. Sir Harold Hillier Gardens are in dialogue with experts in the field around the best possible design within budget for the new propagation unit. The most affordable option is currently likely a recycled structure with new glass, but there are some supply chain challenges.</p>
Carbon sequestration and public education	Develop Runway's End outdoors centre into a carbon neutral eco-centre *Complete	CCBS	Environmental protection. Increased public education, economic	The garden name has changed and needs to be called a Feature Garden from now on.

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Information and education	<p>Develop projects and initiatives to raise awareness of:</p> <ul style="list-style-type: none"> -The climate impacts on the natural environment -Steps HCC are taking to increase carbon capture and storage -The action individuals, organisations and other authorities can take to support positive carbon sequestration activity. (e.g. Parish Pollinator Project) 	CCBS	Environmental protection, health and wellbeing, social	<p>A kickstart engagement ranger has been employed for 6 months to engage with visitors to 'The Barn' at River Hamble Country Park and communicate climate change benefits to the public. Social media is being used to highlight key successes for climate change like menus and materials used in 'The Barn'.</p> <p>Tree planting has taken place for the reflections and connections woodland at River Hamble Country Park. Over 80 staff have taken part to plant over 750 trees. More tree planting is planned for October and there will be opportunities for the public to plant trees. Hedgerow planting has taken place at River Hamble involving local badge groups.</p> <p>A tree education pack is being developed for schools to provide guidance on how to plant the right tree in the right place.</p> <p>Climate change and nature recovery podcasts are planned which will be published on https://lookingafternature.co.uk/</p> <p>For the Parish pollinator project, enquiries have been received from 11 parishes. Projects underway with 6 parishes. Agreeing a joint approach with Highways. Working with Hampshire Biodiversity Information Centre (HBIC) on Road Verges of Environmental Importance (RVEI) and advice on seed mixes. Met with Hampshire and Isle of Wight Wildlife Trust (HloWWT) to agree the wider campaign and joint working. Starting to bring in site staff and local access team to act as local contacts to enable the pollinator project.</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"> -Determine the extent of the carbon currently being sequestered and increase carbon capture and storage across CCBS landholdings. -Calculate the current and future risks to carbon sequestration. -Develop a decision making tool for increasing carbon sequestration against taking into account other benefits. -Develop a strategy for increasing carbon sequestration across the CCBS green estate. -Share the learning and learn from our partners. 	CCBS	Environmental protection	<p>Carbon stored on the HCC green estate has been estimated to be around 1.4m tonnes.</p> <p>Carbon sequestration is currently being calculated.</p> <p>Now moving on to assessing the current and future risks to habitats.</p> <p>A decision making tree has been developed to aid the thinking. This tool can be applied to further work.</p>
Tree planting	Investigate green screen concept and include in schemes as appropriate.	Highways (commissioning)	Social	Ongoing

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Tree planting	Project to address a section of wasteland where currently fly tipping and re-purpose for allotments for people with physical disabilities	Adults social care	Social, educational	Project has commenced after significant covid delays and issues with sourcing materials, but clearance is underway.
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)	Carbon sequestration benefits of increased canopy cover. Reduced fuel usage due to less cutting.	Increase tree planting to double in the 22/23 tree planting season. Trialling several sites for wildflower verges in rural locations with contractor Milestone and some urban sites under the agency agreement with the districts
Local Nature Recovery Strategy	NEW - Preparation and implementation of Local Nature Recovery Strategy (a new system of spatial strategies for nature)	Environment	Environment, biodiversity, social, health and wellbeing	County Council appointed as provisional "Responsible Authority" for the preparation of a LNRS for Hampshire. The most valuable existing habitat has been mapped and will continue to be updated.
Biodiversity Net Gain	Increase amount of semi-natural habitat including tree planting and woodland/habitat creation through capital schemes , planning advice on HCC development schemes and LPA planning applications to increase carbon sequestration	Environment	Biodiversity net gain	BNG metric 3.0 starting to be used to increase net biodiversity in both district and county planning applications but still awaiting government guidance and secondary legislation. The setting up of a register and mapping of BNG currently being developed

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Organisational Emissions				
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	Ensuring all policies and guidance documents embed the principles of the Climate Change Strategy will promote a clear and consistent vision and encourage best practice	To be considered as part of any review of a policy/how to guide
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	Economic - ensuring we're clear on where greatest impacts are, and targeting effort and resource at the right opportunities. Environmental protection	All contracts procured through County Supplies are now tendered including at least 5% of the weighted score dedicated to sustainability and environmental consideration. Partner authorities working on collaborative contracts have also committed to the same goals. Scope 3 emissions have been analysed against each product category which allows work to focus on more impactful areas. Where contracts have been identified as highly emitting (particularly Dry, Chilled & Frozen Food, and MFDs and Document Solutions) work is underway with those suppliers to understand what they already have in place to mitigate emissions, and to plan future actions on how to improve the contracts.
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	Environmental benefits	This is a long term project. Contractual requirements are being assessed. HC3S have started working with a new greengrocer to see if packaging can be reduced.
Purchased goods/services	*complete Develop the Council's procurement processes to accommodate the Council's Climate Change policy/strategy and associated Action Plan	Strategic Procurement	Potential for indirect local economic, social and health benefits	Completed
Purchased goods/services	Update the Council's procurement strategy to incorporate the Council's Climate Change policy/strategy	Strategic Procurement	Potential for indirect local economic, social and health benefits	Draft strategy in progress. The approval process for the strategy needs clarifying.
Purchased goods/services	*complete Update procurement guidance to ensure it signposts to relevant information on Climate Change considerations when procuring goods, works and services.	Strategic Procurement	Potential for indirect local economic, social and health benefits	Completed

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
Behaviour Change				
Encouraging behaviour change in staff	Participate in the annual Green Office Week in May.	Children's' services	Reduction in food costs Healthy eating Community participation	While a survey has not progressed this year, participation will be supported through district events to engage with CSD staff and the community regarding increased understanding and behaviour change.
Encouraging behaviour change in staff	Promoting and incentivising materials recycling culture for staff and service users	Adults social care	economic	Staff continue to be far less reliant on printed materials given reduced access to printers as increased home working continues.
Encouraging behaviour change in staff	New To consider how AHC policies and guidance might be updated to support the County Council's carbon reduction commitment	Adults social care	Wider awareness, cultural change,	The Department is currently reviewing its suite of policies and guidance and as part of the approvals progress, considering is being given to whether each has satisfactorily considered the carbon / climate change impacts. Some policies have been updated to include references to carbon reduction - however, the review is still underway.
Encouraging behaviour change in service provider	Encouraging / incentivising service providers to increase environmental awareness and record their approach	Adults social care	Wider awareness, cultural change,	Market Position Statements and Extra Care Promotional Brochures for 2021-22 were updated to include reference to the County Council's climate change commitment. For the Extra Care Contract we have underway we are doing the following: - Clause in contract reinforced in specification. - Tender question (Gateway pass/fail question) confirming Service Provider's commitment to support the Council's Climate Change Strategy and Action Plan. - Included requirement to report on action taken to support the Council's Climate Change Strategy and Action plan yearly.
Encouraging behaviour change in staff	NEW Deliver Carbon Literacy Training to Climate Change Champions in the CCBS department	CCBS	Wider awareness, cultural change,	A total of 21 staff in CCBS have received Carbon Literacy Training so far. Certification has been received from Carbon Literacy Project for two. Certification is being sought currently for the remaining 19.
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.	Children's' services	Reduction in food costs Healthy eating Community participation Wider environmental benefits	Our children's homes encourage young people to participate in the recycling arrangements in the homes and develop new ideas for more sustainable living arrangements in the homes

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
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	Physical health, mental health, congestion, air quality, life skills, road safety, financial savings, carbon reduction, viability on local public transport services, crime reduction, partnership working between the LAs, reputation of HCC	School Travel Planning work has re-started following Covid lockdowns. This includes a number of national campaigns such as Modeshift STARS and Walk to School week. School engagement with Travel Planning is being considered a requirement for a School Street in a future policy following completion of the trial included in the Active Travel Fund package of works.
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	Physical health, mental health, congestion, air quality, life skills, road safety, financial savings, carbon reduction, viability on local public transport services, crime reduction, partnership working between the LAs, reputation of HCC	Brand being used in marketing campaign associated with cross boundary active travel workstreams such as Transforming Cities Fund.
Energy	Education of staff, carers and children to be developed and rolled out to ensure all aware of individual responsibilities and impact.	Children's services	Reduction in energy costs	Following on from the Climate Forest schools project in 2020-21, a new climate initiative focussed on Climate Unity is now underway with approx. 50 of Hampshire schools engaged alongside several community groups. The focus for each of the projects has been informed in consultation with children and encapsulates their concerns and hopes for the future. There are a variety of resources which have been collated and made available for schools to use , to support their engagement with this agenda across their curriculum and community, which can be accessed on the Hampshire moodle site. The open access site provides the opportunity for schools to share their work and disseminate good practice across the county. Reducing pollution, conservation of natural environments and resources, the impact of waste, and the need for carbon efficiency are all included as key issues within the project as identified by the CYP.
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.	Children's services	Reduction in food costs Healthy eating Community participation Wider environmental benefits	The formation of fostering Hives has supported the sharing of ideas to pool resources and offer peer support. This will be built upon in the next year.

Project Area	Action	Service delivering	Co-benefits	Progress 2021-2022
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	Reduction in food costs Healthy eating Community participation Wider environmental benefits	<p>Work continues to promote food waste reduction through the Waste Prevention Programme, including community champions and social media campaign. The Grant Fund programme has supported a variety of projects in 2021/22 including composting and community fridges. The grant funded projects have saved the equivalent of 5.5 tonnes of carbon. These figures are taken from monitoring information supplied by projects for 1 year after funding is awarded.</p> <p>HCC has supported the second national Food Waste Action Week with a focus on the climate impacts of food waste. 1200 home compost bins sold diverting 126 tonnes of household waste (including food and garden). 538 people have been engaged at public events.</p>
Food	Increase number of low carbon (vegetarian and plant-based) meal options on the menus provided by CCBS services.	CCBS	Health benefits, environmental benefits	<p>The services involved have assessed progress towards this action separately. Successes so far include reducing the red meat content of some meal items and increasing the number of vegan and vegetarian menu items.</p> <p>Examples of successes to date during 2020-21 include introducing meal options which contain reduced meat and increased vegetable content and introducing new menus at Country Parks where the core menus now contain additional vegetarian and plant based options.</p>
Food	Shift red meat-based meals to lower carbon carnivorous options (white meat, poultry, fish) provided by CCBS services.	CCBS	Health benefits, environmental benefits	<p>The services involved have assessed progress towards this action separately. Successes so far include reducing the number of red meat options on some menus.</p> <p>A success to date during 2020-21 includes reducing red meat options on menus.</p>
Food	COMPLETE Behaviour change: Re-arrange layout of menus and re-word product descriptions to better promote low carbon options	CCBS	Health benefits, environmental benefits	COMPLETE Menus have been altered as proposed to promote lower-carbon options.

Climate Change Resilience Action Plan 2020-2025 Progress 2021-22

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Resilient Buildings and Non-Highway Infrastructure				
Buildings	<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</p> <p>Work with providers to educate around climate resilience to ensure that buildings can cope with an increase in temperature</p> <p>Consider flood action plans in risk management in children's homes</p> <p>Educate staff and carers about potential risk of increased flooding in the future and encourage thinking about mitigations or actions should it occur.</p>	Children's services	Health benefits (from increased fluid intake)	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.
HCC owned buildings	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	Economic	A Climate Change Long Term Strategy for the Built Estate has been written, establishing a context for a Built Estate Adaptation Plan to be developed in due course, alongside decarbonisation plans. Initial research work by the University of Southampton into the risk exposure to overheating in schools has been completed, and discussions are ongoing regarding progressing this with a funded research programme for the wider estate.
Planning	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	Environmental (E), Economic (Ec), Social (S), Health (H), Biodiversity (B)	County Council appointed as provisional "Responsible Authority" for the preparation of a LNRS for Hampshire. The most valuable existing habitat has been mapped and will continue to be updated.
Planning	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	Economic, social, health, wider environmental benefits	Collaborating with HIPOG planning reform and Levelling-up and Regeneration Bill. Regular meetings with the EA re: . 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.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Planning policy	<p>HCC Policy - 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>HCC Influence 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>HCC provided data/evidence (demography, land supply, HBIC, HE, transport etc.) HCC State of the Environment report and HCC Spatial Framework to better inform decision making.</p>	Strategic planning	A successful planning system (planning policies) should deliver Economic, Social and Environmental benefits as envisaged in the NPPF. Quality of place - natural & built environment - should improve health and wellbeing, create a sense of community and reduce the need to travel etc.	Work has commenced on reviewing the validation checklist. Work ongoing on the partial update of the HMWP. Looking to improve engagement with LPAs on local plans and major developments. Engagement with PfSH and HIPOG on climate issues. Hampshire Framework due to be completed by Summer 2022.
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	Economic, social	Work is ongoing on the Partial Update of the Plan however, this has been subject to delay. A revised Local Development Scheme will be subject to Cabinet and County Council decisions in June/July 2022.
Landscape	Review and update Landscape and Development Checklist - To include requirement for development to demonstrate a net environmental gain	Planning and Environment	Economic, social, mental health	Review and updating of the Landscape and Development Checklist being progressed.
Landscape	Review and revise Hampshire Townscape Character Assessment to assess sensitivity to climate related changes.	Environment	Economic, social, health	No progress to date.
Preservation of historic buildings	<ol style="list-style-type: none"> 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. 2. Support Citizen programme or equivalent (community based archaeological recording of archaeology revealed in erosion) 	Environment	Economic, social, health, wider environmental benefits	Historic Environment Record is maintained and up to date
Preservation of historic buildings	<ol style="list-style-type: none"> 1. Identify and map areas of wetland with this potential, map on to HER. 2. Programme of precautionary palaeo environmental sampling before loss. 	Environment	Social, mental health	No progress to date.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Preservation of historic buildings	Ensure that Defra have an active policy regarding historic landscape resilience (and within their stewardship schemes) and understanding and measuring change. Ensure designated landscapes (National Parks and AONBs) have an active policy as above	Environment	Social, mental health	currently historic environment issues are being addressed in the ELMs pilot

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Resilient Transport Systems and Highways Infrastructure				
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 / coastal erosion).	Highways (commissioning)		Commissions now having climate change or carbon considerations included where relevant.
Highways drainage	Improve Drainage systems as issues are identified	Highways (commissioning)	Economic	Works completed, reviewed progress and changes implemented in 22/23 around assessment of future drainage schemes. This will be reviewed again in 23/24.
Highways drainage	Increase capacity of soakaways / SUDs	Highways (commissioning)	Economic, social	ETE TG completed.
Highways drainage	Consider use of new and emerging sensors to help manage just in time cleansing of gullies etc	Highways (commissioning)		Delayed due to capacity and availability of the correct sensors post Brexit. To be implemented in 22/23.
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	Social, mental health	Local Flood and Water Management Strategy published in 2020-21.
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)	Long-term benefit to maintenance costs	No progress to date.
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)	Increased safety for highway users and reduction in network disruption	Part completed - ongoing review of the resilient network following the storms in Feb 22.
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)	Increased safety for highway users and reduction in network disruption	Review completed some actions underway and further actions for 2023 year.
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)	Minimise disruption on the highway network and limit the number of highway claims relating to flooding	Ongoing mapping as part of the resilient network review and hot spots with Asset Management. Amended the web form for reporting flooding so that flooding hotspots can be accurately plotted, and so that it provides the necessary info for the new drainage scheme submission and prioritisation process

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
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)	Increased safety for highway users and reduction in network disruption	Ongoing mapping as part of the resilient network review and hot spots with Asset Management. Amended the web form for reporting flooding so that flooding hotspots can be accurately plotted, and so that it provides the necessary info for the new drainage scheme submission and prioritisation process
Weather resistant network	Potentially increase SCRIM and other technical survey frequency to monitor impact and risk	Highways (commissioning)	Increased safety for highway users	Financial impacts not taken forward.
Weather resistant network	Consider increasing survey regime in potentially affected structures	Highways (commissioning)	Increased safety for highway users	Financial impacts not taken forward.
Weather resistant network	Consider increase in surveys/monitoring and cross party collaboration with EA and other appropriate bodies	Highways (commissioning)	Minimise disruption on the highway network; Economic	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
Weather resistant network	Identification of embankments and assessment of slope stability and establish routine surveys	Highways (commissioning)	Increased safety for highway users	No progress to date.
Claims	Review claims processes and procedures. Review Insurance type and cover.	Highways (commissioning)	Minimise highway authority's liability and reduction in payouts	Review undertaken with legal and actions completed. This was linked to the Highway Inspections process review.
Highways infrastructure	Upgrade/modify susceptible equipment/install fans	Highways (traffic)	Economic	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)	Economic	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)	Economic	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.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Highways infrastructure	Upgrade electrical installations to extra low voltage	Highways (traffic)	Economic	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	Economic	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	Economic, social, health, wider environmental benefits	Project gateway review is on-going. Climate change adaption / mitigation tool included in all formal decisions associated with the Capital Transport Programme.
Data	Adopt Ecosystems Services tool to establish baseline value of existing natural environment assets e.g. CAVAT	Highways (Commissioning - Arboriculture) and Environment	Economic, social, health, wider environmental benefits	No progress to date.
Strategy	Ensure Highways Management Action Plan integrates countywide Green Infrastructure Strategy	Highways (Commissioning), Planning and Environment	Economic / Social / Health	Hampshire Spatial Framework for the environment and infrastructure work completed in 2021.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Waste and Circular Economy (inc water resource)				
Water recycling	Grey water recycling in ETE depots	Highways (commissioning)	Economic	Highways are also looking at other ways to harvest the water for our use within its own operations.
Waste infrastructure	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	Economic, wider environmental benefits, social and possibly health	Heat: Veolia assesses risk to staff and mitigate, including provision of sun protection, appropriate shelter and hydration. Flood: flood maps have been produced to assess all infrastructure and identify at-risk sites. Any future developments will be assessed as part of EIA. The proposed building for the reuse service has been retrofitted with new facilities and measures to reduce its carbon footprint.
Closed landfill	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	Economic, social, health, wider environmental benefits	Flood maps have been produced to assess all infrastructure and identify at-risk sites. Efford closed landfill site is included in the Environment Agency's Keyhaven to Lymington review of sea defences project.
Behaviour change	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	Reduction in water costs through more efficient use	Water stations are available in CSD buildings and remote working arrangement have supported the saving of water across CSD office spaces. Our children's homes encourage young people to participate in the development of new ideas for more sustainable living arrangements in the homes
Water storage	Planting trees: increase shading, reduce temperatures, increase evapotranspiration, increase water infiltration, reduce speed of overland flows, improve biodiversity etc.	Highways (Commissioning) and Environment	Economic / Social / Health	Increase tree planting to double in the 22/23 tree planting season.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Resilient Natural Environment				
Biodiversity/habitat preservation or restoration	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	Economic - more attractive place to live and work, Social/health - wellbeing - more accessible habitats & greenspace to visit, to absorb/spread recreational disturbance, improved water and air quality	Annual Biodiversity Monitoring Report updated for 2021/22, includes stats of all SSSIs in favorable condition and gains/losses in SINC's. Habitat mapping being updated to inform new Nature Recovery Network as part of the forthcoming LNRS. Carbon Storage and Sequestration Maps produced for Hampshire. Natural Capital Plan produced for Hampshire & IoW. HBIC data made available to 25 funding partners and over 600 developer requests.
Biodiversity/habitat preservation or restoration	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	Social and health benefits.	Ecological Network Mapping updated.
Biodiversity/habitat preservation or restoration	Increased resilience through expanding and connecting habitats. Opportunities for nature recovery and rewilding identified. Adaptive and updated management practices reviewed through updated management plans. Adopted Pollinator Action Plan	CCBS	Natural capital benefits in appropriately managed habitats are relatively cost effective and sustainable in the long term. Public awareness, support and action re: Pollinators	For the Parish pollinator project, enquiries have been received from 11 parishes. Projects underway with 6 parishes. Agreeing a joint approach with Highways. Working with Hampshire Biodiversity Information Centre (HBIC) on Road Verges of Environmental Importance (RVEI) and advice on seed mixes. Met with Hampshire and Isle of Wight Wildlife Trust (HloWWT) to agree the wider campaign and joint working. Starting to bring in site staff and local access team to act as local contacts to enable the pollinator project. Reflections and Connections Woodland underway at River Hamble feeds into this. Resilience discussions have taken place with ETE around flood management.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
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	Economic - more attractive place to live and work,	<p>trailing several sites for rural locations with contractor Milestone and some urban sites under the agency agreement with the districts.</p> <p>Carbon storage mapping (by habitat type) available to inform habitat restoration/re-creation proposals.</p> <p>Improved data on Road Verge of Ecological Importance to also protect and retain biodiversity.</p>
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	Air quality	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	Access to the coast providing health and social benefits.	Work continues with partner organisations. An initial concept briefing has taken place and a consultant has been commissioned to deliver a landscape-scale strategy for the Hook to Titchfield area.
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	Economic - more attractive place to live and work, Social/health - more attractive and accessible for coastal visits/exercise - more habitat to absorb/spread recreational disturbance, improved water quality	Refresh of North Solent Shoreline Management Plan commenced in 2021
Management of coastal habitats	Understanding of impacts of sea level rise and climate change on the Hampshire coastline and landscape character areas.	Environment	Economic / Social / Health	Hampshire Spatial Framework for the environment and infrastructure work completed.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
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	Economic, social, health, wider environmental benefits	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	Economic, social, health, wider environmental benefits	A review has started on all three areas: Calshot, Hurst Spit and Hayling Island. Hurst Spit- Data collection and analysis and local stakholder 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	Economic, social, health, wider environmental benefits	Ongoing officer and member attendance at RFCC meetings
Resilient trees	Increase appropriate standard tree planting Highway and non-highway land	Highways (Commissioning) and Environment	Economic - more attractive place to live and work, Social/health - wellbeing - more accessible habitats & greenspace to visit, to absorb/spread recreational disturbance Urban cooling, shading, flood attenuation	On going in 21/22 and for 22/23. Increase tree planting to double in the 22/23 tree planting season.
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	Improved animal health / zoonotic control. Public health.	The new County Farms Policy is in place. Currently working through implementation of this Policy, including the establishment of climate change targets in partnership with farm tenants.
Highways vegetation	Cut and collect trails of grass verges.	Highways (commissioning)	Social and health benefits.	Cut and collect for rural areas – cut vegetation is being removed from site to be turned into compost. Removing the mown vegetation allows the verge space for wildflowers to grow, promoting pollinator populations and increasing biodiversity.
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	Economic, social, health, wider environmental benefits	Trials of rewilding due Autum 2023 with possible further link to the RHS live lab rural verges.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
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	Economic, social, health, wider environmental benefits	Local Flood and Water Management Strategy published in 2020-21.
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	Social, health and wider environmental benefits	Suite of 18 Catchment Management Plans (CMPs) prepared covering all catchments in Hampshire. Plans highlight areas most at risk and policies to reduce risk. Hampshire Strategic Flood and Water Management Partnership relaunched. Worked with Environment Agency on preparation of the Flood Risk Management Plan (FRMP) for the Farnborough area.
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; on-line 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	Social, health and wider environmental benefits	Working with Countryside and the Climate Change team on producing infographics, videos and podcasts on Natural Flood Management and Working with Natural Processes (WWNP).
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	Social, health and wider environmental benefits	Suite of 18 Catchment Management Plans (CMPs) prepared covering all catchments in Hampshire.
Flood and water management	Refresh and relaunch Hampshire Strategic Flood and Water Management Partnership Board as annual FWM conference	Environment	Economic, social, health, wider environmental benefits	Hampshire Strategic Flood and Water Management Partnership relaunched.
Flood and water management	Advising riparian owners on maintaining and managing watercourses; Regulation and consent for work on Ordinary Watercourses	Environment	Economic, social, health, wider environmental benefits	New guidance developed and made available through website and social media platforms
Flood and water management	Plan, develop and deliver flood risk and coastal defence schemes	Environment	Economic, social, health, wider environmental benefits	Flood alleviation schemes undertaken at Eversley, Farnborough, Outer Winchester and Farringdon.
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	Social	Work is ongoing on the Partial Update of the Plan however, this has been subject to delay and a revised Local Development Scheme will be subject to Cabinet and County Council decisions in June/July 2022.

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Landscape	Develop countywide Green and Blue Infrastructure Strategy integrating Ecological Network mapping and Nature Recovery Networks etc	Environment	Economic, social, health, wider environmental benefits	County Council appointed as provisional "Responsible Authority" for the preparation of a Local Nature Recovery Strategy for Hampshire. The most valuable existing habitat has been mapped and will continue to be updated.
	Develop and implement Tree Strategy including 1 million trees on the Highways project.	Environment	Economic, social, health, wider environmental benefits	Work started on Hampshire Tree Strategy Action Plan. Collaboration with LNP, Wildlife Trust, Forestry Commission, Streets for Trees, Greening Campaign and other partners

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Resilient Communities				
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	Health (to protect from physical and mental harms of adverse weather events)	Public Health have increased capacity to look at emergency planning and map previous work around flooding, heat stress, mental health and climate, etc.
Community planning and resilience	Generate and issue reguar communciations 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	Health, economic	New action
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	Supporting customers to manage and maintain their nutrition has significant health benefits. In addition, the interaction with the driver provides social contact and the opportunity to carry out a wellbeing check, with any concerns raised and addressed. Action taken to address loneliness where identified	An average of 1236 clients were being supported at the end of each quarter. 351,640 meals were delivered during 2021/22 Although meals may have been delivered slightly outside the agreed timeframe, even in severe weather all meals were delivered as required.
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	Reduction in travel costs Children's wellbeing is promoted through contact via digital methods where physical contact is not possible Children remain well	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.
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	Physical health, mental health, congestion, air quality, life skills, road safety, carbon reduction, efficient and cleaner vehicles,	In development

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Health	Education of carers and staff to ensure appropriate use of sunblock and increased fluid intake	Childrens' services	Health	There is advice available to foster carers; this will be made more explicit within the Foster Carers' Handbook. It is embedded practice that guidance and advice is given each time we receive a heatwave alert. [Public Health also issues alerts to childcare settings and schools, issue public facing comms, and training support to early years settings].
Health	Reduce exposure by i) using more efficient protective clothing ii) consider greater use of evening/overnight working in summer months.	Highways (commissioning)	Health	Milestone now utilise twilight gangs when possible.
Energy efficiency and reduction	A freephone advice line and online advice service delivered by The Environment Centre. Providing straightforward advice about climate change and sustainability, including energy efficiency and home insulation, to support communities involved with the Greening Campaign	Climate Change	Cost savings, health, social	The Environment Centre have responded to 136 telephone enquiries in 21-22, mainly regarding insulation and renewable energy generation. Over 65,000 people were engaged over their social media channels, and 4,799 viewed the webpages. The Environment Centre's website will be undergoing development and will include web-based tools such as webchat. The new website will also directly support the New Economics Foundation recommendation for a "One-Stop Shop" for retrofit to create a central hub of information.
Community energy	Establishing a Community Energy Network across Hampshire with Community Energy South.	Climate Change	Cost savings, health, social	Community Renewal Funding awarded to support the development of 5 community energy projects from concept to fruition. The Overton community project – Test Source Community Energy is in the final stages of reaching a share offer stage. Executive Member ETE decision was taken in January 2022 to invest £10k when the share offer for Test Source Community Energy is launched. Two masterclasses for communities interested in developing community energy schemes have been delivered during the CRF funding period, with each having ~60 attendees.
Community energy	Solar Together group-buying scheme.	Climate Change	Cost savings, health, social	Some delays to the scheme caused by covid, Brexit and supply chain issues have now been resolved with 848 residents' solar PV installations planned to be completed by Autumn 2022

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
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	Cost savings, health, social	<p>Community Renewal Funding awarded to work with more communities. 11 communities have so far signed up to phase 1. 5 communities have completed phase 1, with 977 households choosing carbon saving behaviours and placing the card in their window. An estimated 818.25 tonnes of carbon have been saved by the 5 communities, with an approximate annual cost saving of over £300,000. A further 9 communities have joined phase 2.</p> <p>Parish event delivered in November 2021 with 58 parish council representatives attending.</p>
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	Health	<p>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.</p>

Project Area	Action	Service delivering	Co-benefits	Progress 21-22
Resilient Businesses & Green Economy				
Skills	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	Businesses are able to continue to operate and or adapt operations without adverse impact on or disruption to the business, staff and customers	<p>A COP26 event was delivered with businesses at Queen Elizabeth County Park - 'The Journey to Carbon Neutral'.</p> <p>Aligned with the UN Climate Change Conference, the event attracted 50 Hampshire based businesses, sharing their innovative ideas and technologies to showcase solutions to achieving sustainable carbon neutral targets.</p> <p>Speakers from Marwell Zoo, Amiri, Lionel Hitchen, and powerQuad outlined how they were striving to become more sustainable and reach climate targets. The event provided an opportunity for businesses to network and build relationships to support one another in achieving carbon neutrality and sustainability.</p>
Skills	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, swithching off the lights, etc.	Economic development	Businesses become more resilient to potential climate change impacts, save money in the longer term to re-invest in the business and continue to serve their customers and retain staff	<p>A COP26 event was delivered with businesses at Queen Elizabeth County Park - 'The Journey to Carbon Neutral'.</p> <p>Aligned with the UN Climate Change Conference, the event attracted 50 Hampshire based businesses, sharing their innovative ideas and technologies to showcase solutions to achieving sustainable carbon neutral targets.</p> <p>Speakers from Marwell Zoo, Amiri, Lionel Hitchen, and powerQuad outlined how they were striving to become more sustainable and reach climate targets. The event provided an opportunity for businesses to network and build relationships to support one another in achieving carbon neutrality and sustainability.</p>