

## Climate Change Action Plan – Year one actions

### Theme 1 Organisation Carbon Reduction

Ref	Theme	Initial 5- Year Priorities	In- year Actions	Lead	Resource Requirements where known	Timeframe	Detail	Benefits/impacts where known
CN0120	Organisation Carbon reduction	Smart/Agile working	<p>Work with SMART working lead to ensure that future SCC SMART working policy results in a carbon benefit</p> <p>Draw up proposals for home based working part/fulltime for members and staff</p>	Smart Working Programme		To be agreed with project leads	<p>Incorporate Covid – 19 working into mainstream working. IT now supports this.</p> <p>Green impacts Awards may support this.</p> <p>SCC Communications around making the right sustainability choice, whether at home or work.</p> <p>Needs to find what the balance is between energy use from home or work.</p>	<p>Reduction in mileage has benefits but needs to consider additional home heating.</p> <p>Reduction in mileage expenses.</p>
CN0220	Organisation Carbon reduction	School buildings are large energy users. Reduce energy consumption on lighting and heating	<p>Review current lighting replacement programme and prepare a costed plan to ensure 95% lighting is LED by 2025 where there is a business case.</p> <p>Determine how many schools have not had recent energy audits and prepare a costed plan to ensure that all schools have an up to date energy audit.</p>	Entrust	Energy Audits £50,000	To be agreed with project leads	SCC Communications around making the right sustainability choice at school.	SCC maintained schools generate 6,853 tonnes carbon per annual on heating and hot water.
CN0330	Organisation Carbon reduction	Complete SCC Renewable Energy Audit.	<p>Take forward two new SCC renewable energy schemes. See comments and identify 2.</p> <p><i>(NB: Partnership work will build on SSLEP Energy strategy and ensure delivery of aims across Stoke and Staffordshire. Energy Strategy must be upgraded to reference that UK has now enshrined net zero by 2050 into law.</i></p>	Waste and Sustainability Team/ Entrust, County Farms, Energy LEP	Biomass and solar PV already Budgeted.	To be agreed with project leads	<p>This includes an audit and development of two of the below:</p> <p>Use appropriate county farm land for solar energy</p> <p>Explore county farm potential for anaerobic digesters.</p> <p>Update on large scale project currently being worked on and get update from Energy LEP</p> <p>installing two new biomass boilers on SCC estate.</p>	<p>Biomass boilers estimated savings 80 tonnes per annual.</p> <p>Existing Solar PV saves 93 tonnes per annual</p>
CN0420	Organisation Carbon reduction	Review the Street Lighting operation and energy contract	<p>Future contracts to have a high% of green energy.</p> <p>Understand the benefits/risks of having reduced hours of operation on some streetlights.</p> <p>Explore potential for increased percentage of LED streetlights conversion.</p>	1	TBC	To be agreed with project leads	<p>Change to renewable sources</p> <p>If electricity renewable, then this is only a budget consideration. Although would allow more renewable energy available to wider Staffordshire.</p>	108,000 street lights and illuminated signs throughout Staffordshire – all power be renewable energy – so now represents 9100 tonnes savings
CN0520	Organisation Carbon reduction	Complete SCC Carbon baseline for 18/19 and monitor 19/20 carbon emissions against baseline	Completed by consultants.	Maloney Associates	7,500	Complete	Scope 1 = Direct emissions from own or controlled sources (E.G. Heating Boilers).	Total SCC emissions 50,651 tonnes Scope 1 – 9,336 Scope 2 – 7,510 Scope 3 – 33,805

							<p>Scope 2 = Indirect emissions from the generation of electricity from Carbon sources.</p> <p>Scope 3 = Indirect emissions, include are sources of carbon not with scope 1 or 2 (for example emissions from contracts services)</p>	
CN0620	Organisation Carbon reduction	Planning/Housing	<p>Review property strategy to enshrine sustainability at heart. This ties in with carbon reduction plan for SCC property.</p> <p>Identify SCC Land to be released for low carbon purposes.</p>	Strategy Property Unit/ Waste and Sustainability Team	TBC	To be agreed with project leads	<p>This will tie in with carbon reduction plan at (1) for SCC property.</p> <p>SCC may set up property company through a joint venture arrangement with an experienced low carbon homes developer.</p>	
CN0720	Organisation Carbon reduction	<p>Planning</p> <p>Working with Planning Authorities to ensure high environmental standards are included in all new developments</p>	<p>Liaise with all district and boroughs to identify planning considerations to include climate change mitigation</p> <p>Consultation responses from SCC on Form X to all planning applications must contain a standard condition requesting high environmental standards on all new builds.</p>	Waste and Sustainability Team	NA	To be agreed with project leads	Discussions to be opened with D&B's with reference to EV infrastructure	

## Theme 2 - Air Quality

Ref	Theme	Initial 5- Year Priorities	In- year Actions	Lead	Resource Requirements where known	Timeframe	Detail	Benefits/impacts where known
AQ0120	Air Quality	Home to School Transport	Agree emission standards for future home to school contracts that can be introduced in a phased fashion to align with zero carbon requirements at a pace that is affordable for the authority and operators.	Dominic Davidson		To be agreed with project leads	A finance scheme for new vehicles could be an option to reduce revenue costs.  look into the possibility/potential cost of this.	
AQ0220	Air Quality	Highway, Waste and Countryside Services Fleet Operations	Review current fleet emission standards and agree future replacement programme that will align with zero emission standards at a pace that is affordable for the authority.	Amey/Waste and Sustainability Team / Countryside Services  FleetCare	Nil	To be agreed with project leads		Waste haulage – HWRC haulage 2025 tonnes carbon  Amey Highways fuel 1,923
AQ0320	Air Quality	Produce county-wide Air Quality Management Plan Action Plan	Engage with Borough and Districts Councils to develop an AQMP.  Work with Borough and Districts Councils to identify funding opportunities to improve air quality.  Work with AQ team to improve Air quality	Waste and Sustainability Team, Air Quality Team.	TBC	To be agreed with project leads		<ul style="list-style-type: none"> <li>This work should already be in place but implementation of plans needs to be a high priority.</li> </ul>

### Theme 3 – The Natural Environment

Ref	Theme	Initial 5- Year Priorities	In- year Actions	Lead	Resource Requirements where known	Timeframe	Detail	Benefits/impacts where known
NE0120	Natural Environment	Review grass verge maintenance contracts and change potential areas to different habitat classification (wooded/wetland) to increase bio-diversity and create carbon sequestration.	Increase the width of unmown grass in some areas for the 2021 growing season. Introduce policy to encourage tree/shrub planting in verges especially along main roads, outside schools and areas of poor air quality.	Waste and Sustainability Team, Highways, Amey	NA	To be agreed with project leads	This to be done in preparation for 2021 grass cutting season.	Less carbon generated through the maintenance of verges  Verge act as wildlife corridors to increase diversity
NE0220	Natural Environment	Ensure all SCC Highways contracts support delivery of our climate change agenda or adapt to climate change, such as flood prevention, are managed so their operation mitigates that risk.	Agree actions with Highways & Built County and Flood Risk Team	Highways & Built County, Amey	£50,000	To be agreed with project leads	Expected to include gully cleaning in high risk areas.	
NE0320	Natural Environment	Begin to increase tree cover to level required for Government 2050 net zero target in Staffordshire.	Develop plan for delivering increased tree planting across Staffordshire.  Identify land owned by SCC and other land owners suitable for tree planting.  Seek to influence landowners to encourage tree planting.  Assisting Districts and Borough's with increasing tree cover in urban areas and new developments – including working with the National Forest in Burton to use Burton as an exemplar for other urban conurbations; and  Where communities have already begun planting trees and increasing bio-diversity – work with these communities to further increase opportunities perhaps with SCC owned land or through advice, guidance or signposting to community grants.	Waste and Sustainability Team, County Farms, D&Bs, other stakeholders	TBC	To be agreed with project leads	CCWG accepted that the increase in tree cover should be in areas which do not significantly increase SCC's liability.  Restart Burton Tree Project as exemplar for other urban areas. This is to be match funded by National Forest.  Work with the Woodland Trust and Districts/Boroughs.	National target: 30,000 Ha tree planting per yer.  Staffordshire contribution (based on land area) 2% = 600 Ha per year,  County Farms total area = 3301 Ha or enough land for 5.5 years of planting  1ha of new woodland = removes 4-12 tonnes of Carbon per year.  Planting all of county farms with trees would make us Carbon Zero
NE0420	Natural Environment	Continue to work with projects which regenerate areas damaged by quarry excavation.	Identify areas impacted by quarry excavation and determine restoration plans including opportunities to expand delivery of other climate change priorities such as tree planting.	Waste and Sustainability Team	TBC	To be agreed with project leads	Projects like Transforming the Trent Valley should be priority. These can also be an economic regeneration opportunity e.g. creating a national water park linking areas of water through the Trent and Dove Valleys to offset pollution from the A50/38 corridor	See NE-0320

**Theme 4 – Waste**

Ref	Theme	Initial 5- Year Priorities	In- year Actions	Lead	Resource Requirements where known	Timeframe	Detail	Benefits/impacts where known
W0120	Waste	Reduce, Re-use and Recycle Communications Campaign	Continue delivery of Waste Communications Plan.  Develop a Food Waste Communication Campaign by March 2021.	Waste and Sustainability Team	Funded within existing Waste Team budget	To be agreed with project leads	The campaign will have working with schools as a focus to drive behaviour change.	For every tonne of waste reduced, will save 45.5Kg of carbon per year.  current food waste reduction target 944 tonnes = 42.9 tonnes of carbon.  current budget to achieve this tonnage reduction £50,000 = £1165 per for carbon savings.  Financial saving for not disposal of food waste, £98 per tonne.
W0220	Waste	JWMB be requested to explore the benefits of MRF facility in the county to improve recycling rates and reduce collection costs and CO2 emissions.	Agree short- and long-term agreements for the reprocess of DMR with the WCAs	Waste and Sustainability Team	Funded within Waste Team budget	To be agreed with project leads	Carbon saving that can be achieved through a in county MRF/transfer, would be on the haulage of the WCAs and WDA.	Benefits to Staffordshire Waste Partnership members as well as SCC.

## Theme 5 – Behavioural Change

Ref	Theme	Initial 5- Year Priorities	In- year Actions	Lead	Resource Requirements where known	Timeframe	Detail	Benefits/impacts where known
BC0120	Behaviour Change	Work with SCC Education Team, Schools Forum and Youth organisations to educate children about sustainability and also receive ideas from them on how to meet this challenge.	<p>Identify approach to develop SCC Climate Change Strategy and begin scoping approach to sustainability.</p> <p>To develop a behaviour change plan for climate change across key audiences including children and young people.</p> <p>To build on existing activity being carried out by the Waste and Sustainability Team and also link with energy audits (CN0220)</p>	Waste and Sustainability Team		To be agreed with project leads		<p>Agree benefits measurement as part of development.</p> <p>Promotion of SCC's approach to address Climate Change Emergency.</p>
BC0220	Behaviour Change	Work with local businesses to improve their impact on climate change	<p>To work with Staffordshire Business Environment Network to identify opportunities to forward climate change agenda.</p> <p>To work with the Economic Recovery &amp; Renewal Cell to identify opportunities to encourage clean industry and jobs as part of work to recover from Covid-19.</p>	Sustainability Team & SBEN	25,000 annually	To be agreed with project leads		None SCC Benefits, would have carbon reduction impact across county
BC0320	Behaviour Change	Introduce Councillors Climate Change Community Fund	This will enable councillors and community groups to become climate change champions in their community and help to raise the profile of SCC climate change work.	Waste & Sustainability Team	£1000 per councillor	To be agreed with project leads		Projects that identify carbon saving to be prioritised.
BC0420	Behaviour change	SCC Policies and reports to include a Climate Change Impact Assessment	CCIA to be developed and completed for all new policies and reports, so that all SCC actions consider climate change	Waste & Sustainability Team	TBC	To be agreed with project leads		
BC0520	Behaviour change	Climate Change Strategy	Produce a Strategy with SMART Targets detailing how we are going to achieve Zero Carbon by 2050	Waste and Sustainability Team and Transformation Support Unit with technical support from consultants	TBC	To be agreed with project leads	SCC objective is the carbon reduction target set by the Government. The yearly action Plan details the actions we will take yearly. Base lining helps us Monitor performance. Also need a timeline of the things we need to look at when over the coming years.	30 years to achieve carbon neutrality = reduction of 1650 tonnes of carbon per year.
BC0620	Behaviour change	Work with Borough/District Council members to progress climate change agenda	<p>Set up a joint meeting with cabinet leads on Climate Change at the district and Boroughs</p> <p>To discuss actions and project that can offer Climate Change benefits jointly such as a County wide network of EV Charging points or areas of tree planting/carbon sequestration</p>	Waste and Sustainability Team	TBC	To be agreed with project leads	The JWMB could prove a suitable partnership board to take this agenda forward quickly	<p>Benefits, would have carbon reduction impact across county</p> <p>Having D&amp;B support will enable great Climate impact to improve with SCC operation</p>