

# Climate Change Strategy Reporting Summary - August 2020

Theme	Ambition	Headline Target	Programme	Description	Status	Co - benefits	SCC - actual CO2e saved (tonnes p/a)	SCC - projected CO2e saved (tonnes p/a)	Countywide - actual CO2e saved (tonnes p/a)	Countywide - projected CO2e saved (tonnes p/a)	Total costs and SCC contribution (£000)	Total expenditure to date (£000)
Organisation emissions	Achieve net zero carbon local authorities that lead by example in promoting sustainable practices across their operations, estate, and vehicles.	Net zero carbon For Surrey's organisational emissions by 2030 or sooner	Street lighting LED conversion	Converting 89,000 street lights to LED	Ongoing, due to be completed 2022	SCC revenue savings from energy expenditure, minimising light pollution to residents		6,200		6,200		
Transport and air quality	Deliver and promote an integrated, accessible, affordable and reliable public and active (walking or cycling) transport system across the County, thereby reducing journeys and improving local air quality for improved health and wellbeing of our residents.	60% emissions reduction in the Transport sector by 2035 against BAU as a minimum.										
Energy generation	To support the national decarbonisation ambition by leading renewable energy generation expansion and bringing low carbon heating into Surrey homes through smart, decentralised systems.	15% of energy from solar PV by 2032.	Renewable energy from Eco Park	Renewable energy produced by anaerobic digestion plant and gasifier	Ongoing	SCC revenue savings from energy expenditure, positive example of energy from waste						
			Solar PV array	5MW solar PV array installation on Trumps Farm closed landfill site	Business case in development due for decision in Nov 2020	SCC revenue savings from energy expenditure, reduces reliance on national grid, positive RE message				2,150		
Housing and planning	To create low carbon, healthy homes for our residents that reduce emissions, have lower running costs and improve the wellbeing of our community.	66% emissions reduction in the domestic housing sector by 2035 against BAU as a minimum.	Green Homes Local Authority Delivery (GHLAD)	Government funding for energy efficiency and low carbon measures for low income households in poorly insulated homes	Subject to successful funding bid - decision in Oct 2020	Estimated savings from residents fuel bills of £160k p/a, reducing instances of fuel poverty, investing in Surrey's green economy				660		

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Buildings and infrastructure	To drive forward the transition to a zero carbon built environment, through the pursuit of lower operational energy use, increased supply of renewable energy to Surrey's buildings and reduced embodied carbon – the GHG emissions associated with non-operational phases e.g. construction	61% emissions reduction across commercial and public buildings sector by 2035 against BAU as a minimum	Low Carbon in the South East (LoCASE)	An EU funded programme offering grants to SME businesses for energy efficiency and low carbon measures	Due to commence in Oct 2020 for three years	Revenue savings for SME businesses, investment in Surrey's green economy	900	G
Waste, resources and circular economy	Rethink our current approach to waste, to create a system centred on circular economy principles that seeks to prioritise the reduction of waste creation, encouraging innovative approaches to waste reutilisation and recycling - throwing away will become a last resort	70% of all local authority collected waste reused, composted or recycled by 2030						N/A
Land use and food systems	Develop a land use framework for Surrey focused on increasing accessible green spaces, woodland cover in appropriate locations in line with national targets and sustainable farming practices	1.2 million trees planted by 2030	New trees planted in 20/21	SCC to plant 50,000 trees in an area of new woodland in 20/21. CO2 savings are estimated across 40 year life of trees	Ongoing - suitable land to be identified	Improved biodiversity and habitat creation, improved air quality, better resilience to changing climate	12,500	A
Industry and green economy	Pursue the transition to clean growth, through the decarbonisation of all major sectors and investment in the development of clean technologies and industries that create jobs and improve the quality of life for our residents	56% emissions reduction across industry by 2035 against BAU as a minimum						N/A