

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Cross-Cutting	Understanding the impacts										
	Medium	XC1	We will develop an online system to monitor the social and financial impacts of severe weather on our services and roll this out across partners	Short	All impacts from severe weather assessed; greater monitoring to develop understanding of the potential impacts from climate change; informed planning and cost:benefit analyses	KCC	Kent Resilience Forum; Districts	Flood & Water Management Bill (2010);	Medium	Medium	Severe Weather Impacts Monitoring System (SWIMS) in development as an online tool for all partners
	Medium	XC2	We will undertake an annual analysis of incidents requiring multi-agency emergency planning response to ascertain whether climate change may be a contributory factor (e.g., disease, pollution, migration).	On-going	Building understanding of the impacts of climate change and on-going monitoring	KCC	Kent Resilience Forum		Low	Medium	Severe Weather Impacts Monitoring System (SWIMS) in development as an online tool for all partners
	Medium	XC3	We will map the current climate projections (UKCP09) and flood risk on to our current GIS systems to build a picture of priority areas at risk	Complete	Currently not fully aware of what climate change means on a local level	KCC		Your Nearest; Flood & Water Management Bill;	Low	Medium	KentView
	Medium	CC4	We will continually review best practice both nationally and internationally to inform our on-going planning for preparing for climate change and share this through our Climate Change Network and web portals	Short	Climate change adaptation and awareness is a rapidly moving field and a central resource of information can save time and better inform our decision making	KCC	All		Low	Medium	Climate Change Adaptation library
	Medium	XC5	We will, as part of our rural strategy, research the implications of climate change on food security in the county and develop actions where necessary	Short	The implications of climate change on our food security is already a known concern nationally but we need to develop our understanding on a local level	KCC		Rural strategy; Assessment of foods reliant on irrigation	Medium	Medium	Evidence base completed
	Medium	XC6	We will undertake a Local Climate Impacts Profile across Kent partners to determine our current vulnerability to severe weather events	Complete	To better understand the impacts of climate change, we need to have an understanding of our current vulnerability are to severe weather	KCC	All		Medium	Medium	Partnership LCLIP complete and outputs on Kent Connects
	Communication and training										
High	XC7	We will develop guidance for Members and senior managers on integrating climate change in to decision-making and review this regularly	Complete	All actions and decisions need support from elected members and senior management; decisions may result in projects which will be impacted by climate change into the future	KCC		Kent Environment Strategy; Climate Change Act (2008)	Low	High	Climate Change: A pack for Kent's decision makers	

* Short = <2 years, medium = 2-5 years, long term = 5+ years.

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place	
Cross-Cutting	High	XC8	We will develop an event for elected Members on Sustainability & Climate Change and integrate this into elected Member induction processes	Short	Elected Member support is integral to the delivery of actions; Member support is cited as one of the key requirements nationally for undertaking any actions.	KCC	TBC	Kent Environment Strategy	Low	High		
	Responding and taking action											
	High	XC9	We will develop criteria for assessing the sustainability of key decisions	Short	Key decisions often result in long-term products which will be impacted by climate change and could therefore require significant retrospective investment if not considered up front	ALL	ALL	Kent Environment Strategy	Low	High		
	High	XC10	We will review the need for a 'critical fund' for reacting to severe weather events across the public sector and ensure that our 'reserve funds' as outlined in the Pitt Review are maintained	Medium	Increased costs of reacting to more frequent severe weather events	TBC	TBC	Flood and Water Management Act (2010);	High	High		
	High	XC11	We will ensure that adapting to climate change is appropriately addressed within our business plans and strategies. This will range from increasing understanding to direct action as appropriate and as understanding grows across our organisations.	Short	Kent Forum acknowledge that climate change will impact across our services; integration of risks and opportunities into business processes to aid resilience of service delivery	ALL	ALL, EA	Kent Environment Strategy; Climate Change Act (2008)	Low	High	Currently integrated into most partner's plans	
	High	XC12	We will ensure that climate change and severe weather events are appropriately addressed within all our risk management and business continuity processes (e.g., through use of Mataco software development)	Short	The risks of severe weather events are already addressed within our community risk register; climate change is known to be a risk to our service delivery	ALL	ALL	Risk management processes; Civil Contingencies Act (2004)	Low	High	Recent event held in November 2009 for risk managers across the Kent Partnership. Presentations on Kent Connects	
	Medium	XC13	We will ensure our call centres have the capability to respond to increased demand during and following severe weather events	Short	One of the main impacts identified through the LCLIP project has been an increased pressure on call centres, mainly resulting in an impact on reputation. It has already been found that some areas have had advice services overloaded at times when staff have been unable to get to work	ALL	ALL		Medium	Medium		
	Medium	XC14	We will develop and maintain the Kent Climate Change Network consisting of officers and key stakeholders in the reduction of emissions and preparing for climate change	Short	A significant number of actions will require cross-organisational working; sharing best practice; raising awareness	KCC	ALL		Low	Medium	In place	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Cross-Cutting	High	XC15	We will develop a <i>Resilience Framework for Water</i> for Kent and develop a co-ordinated approach to the particular risks inherent in the county	Short	Looking to the future, it is likely that Kent will have an increasing economic stake in the sound management of local water issues. We need to anticipate an increasing role for KCC by developing our understanding of the potential risks and identifying actions to address them.	KCC	EA; Water companies ; Districts		Medium	High	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Health & Social Care	Understanding the impacts										
	High	HSC1	We will review the locations of services and vulnerable groups in relation to flood risk and ensure that those at risk have flood plans in place (e.g., care homes, gypsy and traveller sites etc)	Short	We need to ensure continuity of service during severe weather events and that vulnerable groups are able to cope with clear plans in place.	KCC	EA; Districts	Emergency Planning and EA both looking into this;	Medium	High	Care homes, flood risk and UKCP09 projections mapped on to Kent View; EA have worked with two care homes for flood plans
	Medium	HSC2	We will work with our partners in the south east to undertake research into the impacts of climate change on Health & Social Care services and develop recommendations to address changing needs across partners.	Short	Although we have insight into many of the impacts of climate change, this could be further interrogated for identification of long-term actions	Climate South East	All	Total Place	Medium	Medium	LCLIP outputs, UKCP09 projections; Health & Social care event outputs
	Medium	HSC3	We will, in partnership with biodiversity theme, identify and monitor where increased risk may emerge from invasive species and associated disease and plan accordingly.	Medium	Species are already known to be moving with climate change and so there is an increased risk of invasive species and associated diseases. Cuts to Trading Standards and Defra's Animal Health may result in increased risk through reduced monitoring.	Animal Health;	Emergency Planning; Kent Biodiversity Partnership; Trading Standards; Defra	Kent Biodiversity Strategy; Public Health Strategy	Low	High	ARCH project;
	Communication and training										
	Medium	HSC4	We will develop a communications strategy to respond to increased risks and opportunities from climate change, e.g., warning and informing of health risks associated with heatwaves; food safety in increased temperatures; flood advice sheets	Short	Increase in RTCs already identified across the county due to wetter driving conditions; increase in excess deaths during heatwaves; increase in food poisoning in hotter temperatures; mental and physical health impacts of flooding	Adaptation communications sub-group (TBC)	ALL; EA	Kent Environment Strategy; Public Health Strategy; Emergency Planning; EA	Medium	Medium	Public Warning & Informing strategy (Emergency Planning); Public Health Champions Programme; KHS Network management communications
	Medium	HSC5	We will identify and train key frontline service providers and professionals in providing advice for coping in severe weather and a changing climate.	Short	Our frontline service providers have contact with those who are most at risk from severe weather and climate change (and who may not respond to mailings, internet etc.)	Emergency Planning;	Social Services; Voluntary Sector; EA	Workforce strategies;; Kent Environment Strategy	Low	Medium	Half day workshops on business continuity undertaken; Annual conference; 2 seminars for Kent & Medway Care Alliance

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Health & Social Care	Responding and taking action										
	Medium	HSC6	We will work in partnership to raise awareness of the interdependencies between air quality and climate change, health and new development	Short	We know that air quality is impacted by hotter, drier temperatures and this has a knock-on effect on health, particularly with regards to respiratory disease	ALL	District Councils; EA; KCC; Public Health	Public Health Strategy	Low	Medium	Kent & Medway Air Quality Partnership workshop held in October 2010
	High	HSC7	We will review and update our emergency response for rough sleepers in the county during severe weather and flood events	Short	Climate change and severe weather does not impact all equally. We know that vulnerable groups are particularly at risk	Kent Housing Group	Porchlight		Low	High	Identifying vulnerable people in an emergency plan
	Medium	HSC8	We will build into our contracting arrangements with external social care providers the requirements to have business continuity plans in place	Short	Need to ensure continuation of service and appropriate responses to severe weather and climate change as vulnerable groups are particularly affected	Kent Adult Social Services			Low	High	
	Medium	HSC9	We will review training and demand for Environmental Health Officers during periods of severe weather events and take action where necessary	Short (Review) Medium (Action)	Environmental Health has been identified as one of the most highly impacted service areas through increased demand already seen in all severe weather events.	Environmental Health			Low	Medium	Climate Change and its Health Implications
	Medium	HSC10	We will incorporate the risk from severe weather events into the positive risk management process for residents	Short	All climate scenarios and severe weather events could impact Kent residents in their homes; opportunity to build resilience in community	KASS Policy		Supporting Independence; ALfA	Low	Medium	
Medium	HSC11	We will review and, where required, develop early warning systems for those with respiratory illness during periods of poor air quality	Short	During periods of lower air quality (which climate change and weather systems influence), those with respiratory illnesses are disproportionately affected	Public Health;	Emergency Planning; Kent & Medway Air Quality Partnership ; Met Office		Medium	Medium		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place	
Biodiversity, Heritage & Natural Environment	Understanding the impacts											
	Medium	BI1	We will develop our understanding of the climate change responses, multifunctional value and adaptation capacity of forest ecosystems. (Multifor)	Short	Climate Change will impact forest ecosystems through a variety of means e.g., changing species and opportunities from longer growing seasons	AONB	ALL	Multifor	High	High	Multifor project funded through Interreg	
	High	BI2	We will review our coastal assets (including biodiversity and heritage) and develop long-term plans in co-ordination with Shoreline Management Plans.	Medium	Kent as a county has one of the longest coastlines in the UK. In light of potential (and on-going) coastal squeeze, we need to ensure our coastal assets are managed effectively.	Integrated Coastal Action Working Group - TBC	English Heritage	Shoreline management plans; Coastal erosion risk maps; Thames Estuary 2100; Greater Thames Estuary Coastal Habitat Management Plan (CHAMP)	Medium	High	Coastal volunteers; Kent Coastal Network	
	Medium	BI3	We will review the location of key heritage sites in Kent to identify those at greatest risk from the impacts of climate	Short	Heritage sites across Kent may be increasingly at risk from the impacts of climate change	Kent County Council (Heritage)			Low	Medium	Cross-reference with BI2	
	Communication and training											
	Medium	BI4	Communicate results of Habitat Change Analysis to key stakeholders including local planning authorities, districts and large land-holding organisations	Short	Provision of base information to investigate how (and if) climate change is causing an adverse effect on the extent and quality of priority habitats	KBAP	Districts; KCC		Low	High	HCA already being undertaken	
	Responding and taking action											
	High	BI5	We will develop and actively promote Biodiversity Opportunity Areas, the spatial framework for the Biodiversity Action Plan	Short	To ensure that all Districts (DC and Spatial Planning depts) are aware of the opportunities for enhancing biodiversity in their areas.	KBAP			Medium	High	16 BOAS have been identified in which action should be focussed and packs developed to explain and promote them	
	High	BI6	We will establish functional habitat areas and wildlife networks in Biodiversity Opportunity Areas that support local landscape character	Medium / Long	To facilitate species movement and improve habitat resilience	KBAP	Districts; KCC	Kent Environment Strategy;	High	High		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Biodiversity, Heritage & Natural Environment	High	BI7	We will research and promote the importance of helping biodiversity to adapt to climate change through spatial planning	Complete	To facilitate species movement and improve habitat resilience	KCC (Branch)			Medium	High	Branch project complete
	High	BI8	We will develop and utilise techniques to improve our mapping of our most valuable habitats in Kent and work with partners to monitor and conserve these habitats into the future (ARCH)	Medium	To acquire up to date data on key habitats extent, level of land cover and habitat change in the past 10-20 years	KCC (ARCH)		ARCH project	High	High	ARCH Project under way.
	Medium	BI9	We will develop and pilot an economic approach to assess and quantify the potential benefits to residents' well being from the natural environment	Medium	Building the business case in light of future losses due to climate change	Natural England	KBAP	Kent Environment Strategy;	Medium	Medium	
	Medium	BI10	Deliver initiatives in the Kent area that enable people to more readily access green space and the historic environment such as Explore Kent, outdoor learning and volunteering	Medium	Increasing outdoor lifestyles due to increased temperatures	TBC	TBC	Action HSC8	High	High	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Co-dependencies	Cost of action	Cost of in-action	Actions already in place	
Kent Highway Services	Understanding the impacts										
	High	KHS1	We will develop and maintain a climate change risk register for our services, with risks incorporated into our standard risk management processes as appropriate	Short	All climate scenarios	Business Performance Team		Low	High	Some risks already addressed within risk register for severe weather	
	High	KHS2	We will review our current materials and processes for all our assets taking into consideration the implications of climate change and identify replacements where necessary	Medium	All climate scenarios. Some of our assets will be around into the future and susceptible to increased risks from climate change.	Head of Programmed Works & Maintenance Operations		Medium	High	Asset Management Plans in development	
	Medium	KHS3	We will monitor the impacts of severe weather events on our assets and use this information to inform assessments of maintenance and repair priorities	Short	Our current understanding of the impacts of severe weather events is limited and could be improved	Head of Programmed Works		Low	Medium	SWIMS	
	Communication and training										
	Medium	KHS4	We will work in partnership to inform the public about road drainage cleansing activities	Short	Increased risk of flooding resulting in potential increase in complaints and reputational damage.	Head of Programmed Works	Surface Waster Flood Management; Select Committee on Flood Risk	Low	Medium	Action included within Select Committee Flood Risk Plan	
	Responding and taking action										
	High	KHS5	We will require our suppliers to demonstrate how they will plan for and proactively manage the impacts of climate change	Short	The impacts of climate change will affect the capacity of our suppliers to deliver, the materials we use and how we deliver services	Commercial Manager		Low	High	New contracts contain the requirement for this	
	High	KHS6	We will proactively manage flood risk across our service building on recommendations in the strategic flood risk review and in line with our responsibilities within the Flood and Water Management Act (2010)	Short	More intense downpours and wetter winters are likely into the future and therefore are likely to increase flood risk in the county. Flooding has an impact on the delivery of all services for all partners across the county. Between 1999 and 2003, flood response cost KHS £931,880.	All Service Heads	Flood and Water Management Act (2010); Strategic Flood Risk Review; Pitt Review; Select Committee on Flooding	High	High	Strategic Flood Risk Review; Surface Water Management Plan in development for Kent.	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Kent Highway Services	High	KHS7	We will ensure that the impacts of climate change are appropriately addressed within our Transport Asset Management Plan (TAMP) taking action where needed	Short	All climate scenarios will impact our transport assets and severe weather events in the past have resulted in significant costs and impacts.	Head of Programmed Works		Varies	High	
	High	KHS8	We will require all new build and refurbishments to meet BREEAM 'very good' standard as part of the Capital Build Programmes	Short	Current new builds will be impacted by the impacts of climate change over their lifespan	Commercial Manager		High	High	This is currently a requirement
	High	KHS9	We will recycle and use water harvesting where possible as part of our gully waste management	Short	Twin pressures of increased flood risk impacting gully waste management and increased risk of drought.	Head of Programmed Works	Surface Waster Flood Management; Select Committee on Flood Risk	High	High	Action included in Select Committee Flood Risk plan; gully clearance budget increase from £1.8m to £2.8m
	High	KHS10	We will ensure that our Local Transport Plan 3 considers sustainability issues including the long-term implications of climate change	Short	This is a long term plan with implications likely to be impacted by climate change scenarios into the future	Head of Highway Transportation	Regeneration Framework; Kent Environment Strategy;			Scoping paper commissioned on impact of climate change on LTP3
	Medium	KHS11	We will monitor and review the grass cutting season in light of longer growing seasons and take appropriate action if and when required	Short	Growing seasons have already increased across the county resulting in knock-on costs across partners	Head of Programmed works		Medium	Medium	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Communities	Understanding the impacts										
	High	CO1	We will identify our communities at greatest risk from climate change (and in particular flooding) taking into account UKCP09 and socio-demographics	Medium	We know that some communities will suffer greater impacts than others, e.g., those with a high proportion of vulnerable groups or in areas at risk from flooding.	EA	KCC; Coastal authorities; Integrated Coastal Working Group	Localism; Emergency Planning; EA; Safer, Stronger Communities; Coastal erosion risk maps; Strategic flood risk planning	Medium	High	KentView maps projections and socio-demographics; Coastal Communities 2150 interreg bid in place; Project completed on mapping vulnerabilities and climate change
	Low	CO2	We will review our rest centres with relation to their locations and capacity during severe weather and climate change	Short	We need to ensure that there are safe areas for Kent residents during periods of extreme weather	Kent Resilience Forum	Districts	Emergency Planning	Medium	High	Rest centres already identified across the county so low risk currently
	High	CO3	We will review current levels of insurance across communities in Kent to establish those at highest risk and work with insurers to mitigate costs where possible	Short	Insurance costs are likely to increase into the future turning off individuals in the community who need it most	KCC			High	High	
	Communication and training										
	Medium	CO4	We will review those groups who have the greatest contact with communities and ensure that they are equipped with the right information for community resilience to severe weather (link to HSC5)	Short	Many groups and individuals work with community groups and are trusted members of the community.	KCC	KentCAN; Districts; Voluntary sector; Libraries and Archives	Warning and Informing Strategy (Emergency Planning)	Low	Medium	Community Wardens already provide advice and support which can be developed; volunteer centres and libraries have networks which could be utilised
	Low	CO5	We will raise awareness within communities through a community conference on climate change adaptation focussing on key priorities, e.g., flooding.	Short	Raising awareness of risk to build resilience in communities through support in preparation of plans	KCC	EA;ACRK; Districts; Emergency Planning	Big Society; Localism	Low	Medium	Conference previously held on climate change and active community groups identified
	Medium	CO6	We will develop clear communications so that individuals are aware of what they can expect from services during severe weather events and clarify responsibilities post-events	Short	Managing expectations	Emergency Planning	Adaptation communications sub-group	Warning and Informing Strategy (Emergency Planning)	Low	Medium	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Communities	Responding and taking action										
	High	CO7	We will support and empower communities (prioritising those at greatest risk) to build resilience to the impacts of severe weather through community-led resilience plans	Medium	Building capacity within communities themselves as the experts in how they are impacted by severe weather. Resilience plans can incorporate longer term planning.	Emergency Planning	KCC; Districts; Kent CAN; EA	Localism; Emergency Planning; EA; Big Society; CC2150 project; Action with Communities in Rural Kent (ACRK) Community-led planning	Low	High	Community Emergency Plan template developed, roll out September 2010.; ACRK Community-led planning
	High	CO8 / KES	We will undertake a county-wide home energy and water efficiency scheme	On-going	Increased risk from drought into the future and linking up programmes. Need for energy saving.	KCC	Districts; HIAs; KFRS	Fuel Poverty; ; Kent Environment Strategy; Kent Housing Strategy	High	High	Phase I currently underway targeting four areas.
	High	CO9	We will develop exemplar projects in the county for water efficiency	Medium	Building capacity and awareness across the county	Kent Water Demand Management Group			High	High	Savings on Tap (Ashford); Kent Area-based retrofitting programme; Savings at Home
Medium	CO10	We will develop and trial a scheme with community volunteers to provide advice and assistance to communities and in particular self-identified vulnerable members of the community.	Medium	All climate impacts and severe weather events will have a significant impact on communities and in particular vulnerable groups; increase localism and community ownership.	KentCAN?	KCC; Districts; EA	Localism; Big Society	Medium	Medium		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Cost of action	Cost of in-action	Actions already in place	
Businesses (SMEs)	Understanding the impacts										
	Medium	BU1	We will encourage Kent SMEs to monitor the impacts of severe weather on their business to inform future planning	Short	We know businesses are significantly impacted across the county by severe weather events with 62% of businesses in East Kent reporting impacts from severe weather over a two year period.	KSBP	KCC; Emergency Planning	Low	Medium	SWIMS; Business Link research	
	Medium	BU2	We will develop an evidence base on water demand for irrigation and engage with key horticultural businesses to develop plans as appropriate	Short	Water demand for horticulture is now the fastest growing sector for Kent's largest water supply company. This demand peaks during drought periods and the water is not returned to the environment after use. The sector contributes strongly to the Kent economy	KCC	Kent Rural Board; EA; Water companies	Low	High		
	Communication and training										
	Medium	BU3	We will work with key sectors for which climate change provides significant risks or opportunities to raise awareness of the implications (e.g., opportunities for tourism and risks for horticulture and water use)	Short / Medium	During a heatwave in 2003, there was a 42% increase in tourism. 67% of the area of Kent is agricultural land contributing £600m to the Kent economy	KCC	EA; Districts;	Low/	Medium	Coastal Communities 2150	
	Responding and taking action										
	High	BU4	We will provide online guidance to Kent businesses in the production of business continuity plans and adaptation measures through <i>South East Business Carbon Hub</i> and <i>Kent Prepared</i> websites	Short	Currently businesses are not addressing climate change risk across sectors as well as wider business continuity issues; 54% of SMEs in the south east (62% in East Kent) experienced impacts from severe weather over a w-year study. In the same study 38% reported damaged stock from storms	Low Carbon Futures Programme (KCC)	Emergency Planning	Medium	High	South East Business Carbon Hub; Business Support Centre; Kent Prepared	
	Medium	BU5	We will develop and widely promote a free business environmental accreditation scheme incorporating both mitigation and adaptation measures (Steps to Environmental Management - STEM)	Short	We need to consider our suppliers capability to provide continuity of service	Low Carbon Futures Programme	ALL	Medium	Low	Already in development through Low Carbon Futures project	
	High	BU6	We will review business demand for advice and training in risk management processes relating to climate change and severe weather and develop programmes accordingly, e.g., a central resource of expertise across Kent partners	Short	A large number of SMEs across the county have no business continuity in place and 80% of businesses who experience flooding closing within two years as a direct result of the flood event. In addition, heat waves result in a dramatic decline in business for nearly all sectors except tourism.	Low Carbon Futures Programme	Local Partnerships (e.g., Canterbury for Business etc.)	Medium	High		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Public Sector Estate	Understanding the impacts										
	High	PSE1	We will review the risks posed to the public sector estate from climate change through identifying locations and service type and mapping against climate projections and flood risk.	Short	Need to build understanding of estate and opportunities available	ALL	ALL	Strategic Flood Risk Review	Low	High	Locations already known and mapping available through KentView
	Communication and training										
	High	PSE2	We will develop guidance and recommendations on measures (and associated costs and benefits) which can be taken to build resilience across the public sector estate e.g., grey water harvesting, passive cooling, insulation, sustainable urban drainage etc.	Short	All climate projections; development of clear business cases for action; improving understanding and collating information on technologies and actions available	KCC (SILCS)	ALL	Kent Design Guide; Guidance from CIRIA, BSRIA, BRE etc.	Low	High	North East RIEP project; Kent Design Guide; Tonbridge & Malling guidance notes
	Medium	PSE3	We will undertake a programme of training and guidance on the impacts of climate change for building / facility managers	Short	All climate projections; building capacity for delivery of actions	KCC	ALL	Kent Design Guide	Low	Medium	This is already in development for KCC around energy efficiency and so can be expanded and shared across partners
	Responding and taking action										
	High	PSE4	We will review our drainage capacity across our estate and implement / increase sustainable drainage systems, clearing and maintenance programmes as appropriate	Short	Increased flood risk across the county	ALL	ALL	Surface Water Management Plans; Strategic Flood Risk Review	Medium	High	
	High	PSE5	We will research the implications of climate change on our insurance and work with companies to mitigate these	Short	Likely increase in insurance costs in light of increased frequency of severe weather events; litigation risks from buildings not structurally sound; increased risk of falling trees damaging property;	KCC	ALL		Medium	High	
High	PSE6	We will review and re-locate where necessary key ICT infrastructure to ensure that impacts of over-heating and flooding are addressed	Short (Review) Medium (Action)	Known past flooding events impacting ICT; equipment susceptible to over-heating; business continuity	ALL	ALL	ICT strategy	Medium	High		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Public Sector Estate	High	PSE7	We will identify where estate can be rationalised or building use altered across the public sector and ensure that the impacts of climate change are addressed	Medium	Need to deliver efficiencies; all climate projections impacting estate and this needs to be considered in long term planning	Total Place		Kent Environment Strategy; Total Place	High	High	
	High	PSE8	When retrofitting and maintaining our estate we will determine opportunities for passive cooling and other adaptation measures to be implemented at the same time (and in co-ordination with other opportunities such as renewables).	Short	All climate projections will impact buildings; increased litigation risk; safety of staff and service users	ALL	ALL		Medium	High	This already occurs for some partners
	High	PSE9	In commissioning new buildings we will integrate climate change considerations into the design phase.	TBC	New buildings will be impacted by climate change over their lifetime including increased flood risk, heatwaves, drought etc. The costs of retrofitting buildings after events is generally higher than if incorporated into build at outset.	ALL (guidance through PSE3)	ALL	Kent Design Guide; Sustainable Construction Policy (KCC); BREEAM; Select Committee on Renewable Energy	Low	High	
	Medium	PSE10	We will audit planting regimes around the public sector estate and review the need for changing species, watering and cutting frequency	Short	Growing period already known to have increased; more drought conditions impacting watering regimes	TBC	TBC		Medium	Medium	
	High	PSE11	We will work in partnership to review the opportunities from Feed-in Tariffs across the public sector estate and develop recommendations and programme of retrofitting across Kent partners	Short	Risk of loss of utilities and energy supply; maximising opportunities from hotter summers; money which could be utilised for other measures	ALL	ALL	Select Committee on Renewable Energy; Low Carbon Sector Strategy; Kent Environment Strategy	High	High	

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Public Sector Staff	Understanding the impacts										
	High	PSS1	We will develop resources for officers to generate actions for their business units identifying risks and opportunities of climate change. We will use the outputs to further inform our wider planning.	Short	We have addressed priorities here as identified through meetings with senior management, this action will ensure that ALL teams have assessed climate risks and opportunities	KCC	ALL		Low	High	Green Guardian toolkit; presentation and spreadsheet for senior managers all on Kent Connects
	Communication and training										
	Medium	PSS2	We will develop staff communications to ensure that our officers are able to cope during severe weather events both in their homes and at work	Short	Severe weather events – staff unable to get to work; impacts on health and mental health through impacts at home	Adaptation communication sub-group	ALL	National Heatwave Plan; Business Continuity	Low – Medium	High	This is an action within the Personnel & Development Action Plan (KCC)
	Medium	PSS3	We will identify and train key officers in the use of the climate change projections (UKCP09) to provide a central resource of expertise for the public sector	Short	All climate impacts – building knowledge	KCC	ALL		Low	Low	Some officers from across the partnership have undergone UKCIP training
	Responding and taking action										
	High	PSS4	We will encourage and increase flexible working (e.g., through use of IT and teleconferencing) to assist in business continuity during severe weather events.	Short	Severe weather impacts – those partners who have historically coped best have had flexible working in place	ALL	ALL	Office Transformation Strategy (KCC); Better Workplaces;; FaME	Medium	Medium	Already encouraged in most partner organisations
	Medium	PSS5	We will train staff to assist in ensuring continuity of essential services during severe weather events	Medium	Severe weather events – staff currently being utilised from across services with minimal training and resulting in loss in delivery of others	ALL	ALL		Medium	Medium	
Medium	PSS6	We will review and monitor the Health & Safety of our staff and in particular those based outdoors for long periods of time. We will look to develop criteria for staff comfort addressing increased working temperatures	Short	All climate scenarios could impact the health and safety of our staff	ALL	ALL	Investors in People; H&S	Low	Medium		

Theme	Priority	Ref	Action	Time to implement*	Why is this needed?	Lead	Delivery partners	Co-dependencies	Cost of action	Cost of in-action	Actions already in place
Waste	Understanding the impacts										
	Medium	WA1	We will review how climate change may impact waste types and what changes to waste facilities may be required in the future e.g., increased green waste collection and treatment	Medium	Climate change is likely to result in longer growing seasons	Kent Waste Managers Group	Kent Waste Partnership		Dependent on review	Medium	
	Communication and training										
	Medium	WA2	We will clarify and widely communicate responsibilities for activities post-events	Short	To ensure efficient use of resources and that costs are correctly apportioned	Kent Waste Managers Group	WCAs; WDA; KRF		Low	High	
	Medium	WA3	We will prepare lists of waste types and how they will be affected by climate change and associated severe weather and use this to develop Kent-wide advance communication advising residents on what to do with their waste in differing conditions	Short	Needed in advance to advise residents and waste disposal outlets. Mainly flooding, but could consider other weather impacts. improved response; being prepared; assistance to residents	Kent Waste Managers Group	Disticts; KCC; Medway		Low	Medium	
	Responding and taking action										
	Medium	WA4	We will ensure that refuse/recycling/ cleansing contracts contain clauses that require contractors to make resources available to deal with emergencies	Short	In order to provide adequate and flexible resources to help with any impact / emergency and costs incurred	Kent Waste Managers Group	All WCAs and WDA.		Low	Medium	
	Medium	WA5	We will develop cross-boundary working / arrangements for waste disposal after severe events (SE7 project?)	Short	Need to maximise resource and capacity post events; Economics of scale; joint procurement for one off events	South East Seven	Disposal authorities ; KCC; Medway and others in SE area	First activity would be to share existing contracts, consider adequacy and then produce ideal wording	Medium	Medium	
Medium	WA6	We will ensure that climate change impacts are appropriately addressed within our Waste and Mineral Development Framework	Short	The framework is a long term document with outcomes which could be impacted by a changing climate and severe weather events	KCC			Medium	High	A sustainability appraisal has been carried out for the framework incorporating climate change	