

READING MEANS BUSINESS ON CLIMATE CHANGE

READING'S CLIMATE CHANGE STRATEGY 2013-2020

THEME ACTION PLANS

DRAFT NOVEMBER 2013

Theme 1: Energy Supply

Strategic Priority 1: Reduce electricity and gas consumption within the commercial and public sectors

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T1SP1.1 ¹	Produce report identifying the commercial and public sector electricity consumption in Reading and identifying key opportunities for energy efficiency	Summer 2014	report	Reading Borough Council	University of Reading T.S.B.E. Centre (Technologies for Sustainable Built Environment)
T1SP1.2	Develop and support a group of organisations to invest in their own energy efficiency programmes	March 2014	Meeting of group	Reading Borough Council	Business group - Reading UK CIC, Climate Berkshire
T1SP1.3	Council Energy Plan Programme - corporate buildings and new Civic Refurbishment project	2013-2016	Civic refurbishment project 2014 Low energy Street lighting 2013 to 2016 Other building refurbishment projects 2014-16	Reading Borough Council	Public sector group
T1SP1.4	Continue to offer schools support on energy and carbon management and seek potential development	ongoing	Service Level Agreement published ahead of each business year. Report number of signatories.	Reading Borough Council	Reading Schools

¹ T = theme; SP = strategic priority

Strategic Priority 2: Introduce smart meters and energy storage solutions in Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T1SP2.1	Produce a model that identifies where electricity loads in buildings can be reduced at peak periods.	Dec 2014	Engineering Doctorate Thesis with T.S.B.E.	Reading Borough Council	University of Reading. T.S.B.E. centre.
T1SP2.2	Raise awareness of benefits of smart meters for households and businesses	December 2015	publicity on smart meters by 2015	utility companies	Reading Borough Council
T6PS5.4	Encourage and increase the number of meters and other resource monitoring/ saving devices installed in buildings and other energy/resource using facilities across Reading	March 2014	source resources to deliver messages year 2	Reading Borough Council	University of Reading

Strategic Priority 3: Develop heat supply networks to deliver low carbon heat in Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T1SP3.1	Identify planning sites that are suitable for decentralised energy networks.	March 2015	Shortlist of suitable sites identified.	Reading Borough Council, Thames Valley Energy	Climate Berkshire
T1SP3.2	Identify existing anchor heat-loads, such as hotels, high density domestic developments, leisure centres etc.	September 2014	produce heat map of borough.	Thames Valley Energy	Reading Borough Council
T1SP3.3	Identify procurement approaches for capital investment and operational functions.	September 2015 March 2016	Initial report on options for specific sites. Business planning for sites or private sector driven through planning/investment.	Reading Borough Council,	Private sector

Strategic Priority 4: Increase amount of energy generated locally using renewable technologies

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T1SP4.1	Create a renewable energy deployment strategy for group of businesses and public sector organisations	March 2014	Produce report for end March 2014	Thames Valley Energy	Reading Borough Council
T1SP4.2	Produce Reading Borough Council Energy and Carbon Management Policy	March 2014	Report to Strategic Environment, Planning and Transport committee March 14	Reading Borough Council	
T1SP4.3	Produce a renewable energy investment strategy to provide 8% of local power, identifying most investable renewable energy in borough, making consideration of solar photovoltaics, solar thermal, ground source heat pumps, wind, anaerobic digestion, biomass and gasification processes, and hydro power.	September 2014	Report to Reading Climate Change Partnership	Thames Valley Energy	Reading Borough Council
T1SP4.4	Deliver Council Energy Plan Programme - Renewable energy projects - includes Photovoltaic Solar panels and biomass heating.	March 2016	<ul style="list-style-type: none"> • 1st Biomass project March 2014 • Solar photovoltaic on housing Aug 2014 	Reading Borough Council,	Thames Valley Energy
T1SP4.5	Work with small businesses to encourage uptake of renewable energy	September 2014	5 x Re-Start Local events, 60 businesses 12hrs assistance	Reading Borough Council, Institute for Sustainability	Thames Valley Energy
T1SP4.6	Build local supply chains for technologies by building local skills and engaging local companies in larger contracts	September 2014	6 x Re-Start Local events, 60 businesses 12hrs assistance	Reading Borough Council, Institute for Sustainability	Thames Valley Energy
T1SP4.7	Attract local and inward investment for renewable energy development	Sept 2015	Identify investment routes for projects identified in 4.3.	Reading UK CIC	Reading Borough Council

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T1SP4.8	Encourage local communities and businesses to support the development of renewable energy in their communities .	July 2014	Communication plan for renewable energy for communities and businesses. Identify potential buildings and locations. Identify interested parties Provide technical advice to interested groups	Reading Borough Council	Reading Voluntary Action, Greater Reading Environmental Network, Transition Town Reading
T1SP4.9	Create a number of community showcase facilities in Reading	March 14	Identify potential buildings, RISC solar and Green Park wind turbine, To identify others	Reading Borough Council	RISC, Green Education
T1SP4.10	Implement a bulk buy scheme for renewable energy	TBC	Identify opportunities for renewable energy supplier discounts	Transition Town Reading	Reading Neighbourhood Network

Theme 2: Low Carbon Development

Strategic Priority 1: Buildings in Reading to be built to high standards of energy efficiency incorporating on-site renewable energy where possible

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP1.1	Ensure new buildings in Reading meet high standards of energy efficiency in design and construction & install the most appropriate on site renewable energy generating technologies; specifically, review available and emerging standards	March 2016	Establish planning policies that support standards with highest feasible FEE (Fabric Energy Efficiency)	Reading Borough Council	
T2SP1.2	Attract low carbon developments to Reading that adopt high standards of energy efficiency such as Minergie or Passive House	March 2015	Actively engage with developers about demonstration homes to gauge market interest	Reading Borough Council	
T2SP1.3	Research and investigate potential for 'Community Energy Fund' ahead of zero carbon standards	Mar 2015	Report with recommendations about implementing scheme.	Reading Borough Council	other authorities who have already implemented carbon offsetting funds
T2SP1.4	Implement a local allowable solutions 'Community Energy Fund' to take advantage of allowable solutions locally; implement planning policies that require its use by developers who are not able to establish sufficient on site measures to reduce carbon emissions to zero carbon through Fabric Energy Efficiency	November 2015 dependant on building regulations and planning policy developments	Implementation of fund mechanism	Reading Borough Council	Adjacent authorities, Climate Berkshire

Strategic Priority 2: Retrofit energy efficiency measures into Reading's buildings

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP2.1	Make guidance available for householders and businesses on retro-fitting renewable energy and energy-saving technologies, including technologies and financial assistance	Six monthly reviews	Regularly updated web pages - Information and links on RCA (Reading Climate Action) website to EST and other websites, as necessary/relevant.	Reading Climate Change Partnership	
T2SP2.2	Review performance of Reading homes as shown by the Private Housing Condition Survey and use information to target energy saving activity and action.	September 2013	Completion of Home Energy Conservation Act report.	Reading Borough Council	Housing associations and Landlord groups
T2SP2.3	Develop case studies and show homes networks ('such as super-homes') that encourage renovation and re-use of empty buildings rather than new homes. Explore links to refurbishments of older buildings.	March 2015	Establish specific show homes in Reading through volunteers and/or where funding available. Possible link to heritage open days.	Reading Borough Council	Superhomes network, Reading community groups

Strategic Priority 3: Improve properties to reduce fuel poverty in Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP3.1	Provide personalised service to help house holders access Energy Company Obligation subsidies and other services/funding available.	December 2013	Continue Warm Homes initiative.	Reading Borough Council	Energy companies and switching services
T2SP3.2	Provide switching/energy bills advice service for those struggling to afford to heat their homes.	Dec 2013	Integrate into Warm Homes Initiative.	Reading Borough Council	Energy companies and switching services
T2SP3.3	Improve standards of empty homes and seek to re-occupy	March 2014	<ul style="list-style-type: none"> • Continue Council Tax premium for long term empty properties • Annual report on empty homes progress 	Reading Borough Council	
T2SP3.4	Loan lease on empty homes working in partnership with Registered Social Landlords	ongoing until March 2015	Approx 30 properties TBC	Reading Borough Council	Housing solution and Radian Housing
T2SP3.5	Continue to support those most vulnerable to fuel poverty, in particular those that are at imminent health risk through the 'Winter Watch' project	March 2014	<ul style="list-style-type: none"> • 2 x staff available to provide service • Reach at least 100 households in need 	Reading Borough Council	

Strategic Priority 4: Enable uptake of Green Deal and associated grants in Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP4.1	Establish a contracted Green Deal Energy Company Obligation provider in Reading; contract to include local employment, high quality of specified works, high customer standards and finance as needed	March 2014	<ul style="list-style-type: none"> • Develop awareness raising programme for Green Deal in the borough • Develop proposals for ECO funded schemes that also incorporate social benefit 	Reading Borough Council	Housing associations - Affinity, Catalyst, other Berkshire Authorities
T2SP4.2	Prepare scheme to publicise the Green Deal to appropriate households	ongoing	Progress report with number of households contacted	Reading Borough Council	
T2SP4.3	Continue to offer advice to householders about the Green Deal through Green Deal Pioneer Place project	March 2014	Provide telephone service. 2 x officers who can assist householders.	Reading Borough Council	Chosen Green Deal contractor and associated sub-contractors Dept of Energy and Climate Change
T2SP4. 4	Monitor and review up-take of Green Deal and Energy Company Obligation funding through government statistics or if not available from the major provider(s) in the area	annually	<ul style="list-style-type: none"> • Number of participants at each stage • Funding allocated • Annual energy saving due to Green Deal Energy Company Obligation 	Reading Borough Council	Green Deal contracted party

Strategic Priority 5: Monitor and minimise the 'embodied carbon' incorporated into construction projects

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP5.1	Identify suitable research to identify case studies of mechanisms to estimate embodied energy/carbon in new development	March 2014	Identify case studies.	Peter Brett Associates	
T2SP5.2	Identify the carbon costs of development for life-time carbon when submitting planning applications in accordance with Code for Sustainable Homes and BREEAM standards	March 2016	Planning policy review	Reading Borough Council	Reading Borough Council
T2SP5.4	Develop policies that stipulate energy and sustainable design solutions that are appropriate to the density and location of buildings	March 2016	Review of planning policy documents.	Reading Borough Council	University of Reading

Strategic Priority 6: Continue to develop planning policies that:

- support the reduction of green-house gas emissions directly and indirectly from the borough
- reduce the risks of climate change on the communities of Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP6.1	Ensure that drainage design is sufficient to allow for increased intensity rainfall in new developments and infrastructure construction/repairs	Ongoing	Six monthly report	Reading Borough Council	Environment Agency (until SuDS Approval Boards take responsibility)
T2SP6.2	Assess care homes for risk of heat waves; implement measures to ensure that care customers are not at risk of hot conditions; develop low carbon cooling approaches for care homes	March 2015	Report	Reading Borough Council	
T2SP6.3	Ensure public spaces and park-areas have sufficient shade and places to rest to reduce risks of over-exposure to sun and potential health impacts, through implementation of Tree Strategy (see Natural Environment chapter and Action Plan)	March 2014	Timetable for Tree Strategy	Reading Borough Council	Tree wardens
T2SP6.4	Establish funding to conduct research into predicted impacts from storm damage in Reading to 2100 to inform building design; revise planning policies in light of evidence	March 2015	Research proposal by March 2014	University of Reading, Meteorology dept TBC	Reading Borough Council
T2SP6.5	Research 'green roofs and walls' to inform specific policies and make available guidance on their costs and benefits for developers, planners and public so that their relative merits for different policy objectives relating to climate change (and other benefits/dis-benefits) can be taken in to account in design and planning	March 2015	Planning policy review	Reading Borough Council	University of Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T2SP6.6	Continue to review strategic plans for economy, housing, population, industry etc. to ensure they are compatible with local and national emissions targets. Revise strategic plans to manage the amount, type, and location of housing and business development in and around Reading to deliver a low-carbon (and low-cost) economy	ongoing	Sustainability reports on strategic plans	Local Strategic Partnership, Reading Climate Change Partnership	Local Enterprise Partnership

Theme 3: Natural Environment

Strategic Priority 1: Improve the quality and connectivity of natural habitats

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T3SP1.1	Review the Reading Biodiversity Action Plan and update the plan to take account of climate change	2015	New Biodiversity Action Plan in 2015	Reading Borough Council	None
T3SP1.2	Monitor the proportion of Local Wildlife Sites in positive conservation management in line with government guidance on Single Data List 160	ongoing	<ul style="list-style-type: none"> • All Reading Borough Council sites to be in positive conservation management by 2015 • Reading Borough Council to encourage other landholders to manage their sites 	Reading Borough Council	Other landowners as appropriate
T3SP1.3	Keep under review, in light of climate change science: Tree Strategy, Orchard Project, Open Spaces Strategy, Thames Parks Plan and the document 'Reading Waterspace - A Vision for the Thames and Kennet'	Sept 2014	Status report. Progress report on each project annually.	Reading Climate Change Partnership	Reading Borough Council
T3SP1.4	Identify areas of grass land of highest habitat value and manage as meadow	March 2014	<ul style="list-style-type: none"> • Staff training / awareness days • Statement about grass cutting policy on website 	Reading Borough Council	Private individuals and volunteer groups

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T3SP1.5	Help facilitate the work of the Berkshire Local Nature Partnership in respect of Reading sites.	ongoing	Input to BNLP	Reading Borough Council	Berkshire Local Nature Partnership
T3SP1.6	Undertake periodic ecological surveys of Reading's Local Wildlife Sites and review status in line with government and local guidance	each site is surveyed as a minimum every 5 years	Annual review of surveyed site status by Berkshire Local Wildlife Site Selection Panel	Reading Borough Council	Thames Valley Environmental Records Centre ,Berkshire Local Wildlife Site Selection Panel
T3SP1.7	Periodically update the Berkshire phase 1 habitat map	2018	Periodic review approx every 5 years, next due circa 2018	Thames Valley Environmental Records Centre	Reading Borough Council
T3SP1.8	Raise awareness of Biodiversity Opportunity Areas and seek opportunities to engage with landowners and encourage them to manage land in accordance with the objectives for their area	December 2013	Progress report and plan	Berkshire Local Nature Partnership	Thames Valley Environmental Records Centre, Reading Borough Council
T3SP1.9	Encourage groups, individuals and organisations to share ecological data with Thames Valley Environmental Research Centre so that this information can be used to inform studies into the effects of climate change on biodiversity	ongoing	Annual report from Thames Valley Environmental Records Centre to Reading Borough Council	Thames Valley Environmental Records Centre	
T3SP1.10	Assess adequacy of control over conversion of front gardens to parking	March 2014	Review of policy to committee with recommendations	Reading Friends of The Earth	Reading Borough Council
T3SP1.11	When reviewing management plans for public land ensure green infrastructure is considered as well as other physical and social issues; consider management plans with involvement of partners	Sept 2014	Produce checklist for key Green Infrastructure considerations to be applied to high profile sites.	Reading Borough Council	

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T3SP1.12	Raise awareness of the importance of green infrastructure for adapting to climate change and the economic benefits it provides	March 2014	Produce a briefing for multi-agency use in publicity.	Reading Borough Council	University of Reading, Reading Friends of the Earth
T3SP1.13	Assess and seek improvement of waterways, river and canal banks as wildlife corridors	March 2014	Identify improvements to managed areas.	Reading Borough Council	Environment Agency, Berkshire Local Nature Partnership Canals and Rivers Trust.
T3SP1.14	Assess and seek improvement of railways as wildlife corridors	March 2014	Identify activity through existing management plans.	Network Rail	Environment Agency, Berkshire Local Nature Partnership

Strategic Priority 2: Encourage local community groups and businesses to become more involved in the management of local green spaces

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T3SP2.1	Sustain and grow local wildlife activities, especially for children	ongoing	Wildlife community events (Estimated 94 meets in 2012)	Econet, Globe Groups	Connect Reading (businesses)
T3SP2.2	Encourage teaching about wildlife in schools; provide training and information for teachers; look at expanding Reading's Outdoor Classroom	March 2014	Produce action plan	Reading Borough Council	Berks, Bucks And Oxon Wildlife Trust, Econet
T3SP2.3	Provide guidance on wildlife gardening with assistance from partners	March 2014	Guidance on website. Establish a channel for local expertise sharing.	Econet, GLOBE groups (ORCG & Ridgeline)	Berks Bucks And Oxon Wildlife Trust, Econet

Theme 4: Water Supply and Flooding

Strategic Priority 1: Manage demand for and supply of water to reduce the expected impact of water shortages on consumers and on wildlife

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T4SP1.1	Publish and deliver the Water Resources Management Plan	ongoing	Improved 'Supply Demand Balance'	Thames Water	Environment Agency
T4SP1.2	Monitor the frequency of occurrence of drought conditions and restrictions on supply	2020	<ul style="list-style-type: none"> • Hosepipe bans less frequent than every 10 years • 'Temporary Use Bans' less frequent than every 20 years 	Thames Water	Environment Agency
T4SP1.3	Ensure that Reading's strategic development plans are compatible with expected availability of water supplies	on review of planning policy documents	Approval by Thames Water and Environment Agency	Reading Borough Council	Thames Water, Environment Agency
T4SP1.4	Identify key groups of Reading water users for whom supply restrictions may be business-critical and assist them to become more resilient	2015	Identification of key groups	Environment Agency	Local Economic Partnership, Reading UKCIC, Chamber of Commerce, Thames Water
T4SP1.5	Reduce demand for water in existing buildings by providing free water saving devices	ongoing	Deployment of devices to building operators.	Thames Water	
T4SP1.6	Incorporate water efficiency measures into development control practice and Reading Borough Council policies.	Mar 2016	Incorporation of water efficiency as a priority into planning policy reviews. Incorporation of water management into Councils policies.	Reading Borough Council	
T4SP1.7	Establish joint working approach with Thames Water, the Environment Agency and Reading Borough Council to engage public support to reduce consumption at times of water stress.	Mar 2015	Establish coordination practices.	Thames Water	Environment Agency, Reading Borough Council

Strategic Priority 2: Reduce the carbon footprint of water supply and water heating

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T4SP2.1	Work with Thames Water to educate consumers and property developers to reduce the use of hot water	Ongoing Annual reporting.	<ul style="list-style-type: none"> • Target water saving actions to include hot water consumption • Report on up-take of measures to reduce hot water consumption 	Reading Climate Change Partnership Behavioural Change Group,	Thames Water, Reading Borough Council
T4SP2.2	Encourage use of low carbon energy sources to heat water - see Strategic Priority 3 in Energy Supply section)	July 2014	Produce a list of measures for reducing household hot water wastage/consumption.	Thames Water	Reading Borough Council
T4SP2.3	Reduce energy used in water supply and sewage treatment	ongoing	Data submitted to Carbon Reduction Commitment Registry (regulated by Environment Agency)	Thames Water	

Strategic Priority 3: Reduce risks of damage due to flooding

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T4SP3.1	Issue flood warnings	ongoing	As per Flood Management Programme.	Environment Agency	Other principal response agencies
T4SP3.2	Implementation of Council Flood Plan	ongoing	Annual report	Reading Borough Council	
T4SP3.3	Implement sustainable urban drainage systems (SuDS) in accordance with Planning policies and in delivery of infrastructure	ongoing	Number of new SuDS installed depm	Reading Borough Council	Developers, Environment Agency (until SuDS Approval Boards take over responsibility)
T4SP3.4	Seek to establish resources to conduct a review of the implementation of effective SuDS across borough	March 2014	Audit report on capability	University Of Reading	Reading Borough Council, Environment Agency
T4SP3.5	Identify properties at risk of flooding and provide advice on resistance and resilience measures	March 2014	Complete survey of users and plan future action	Reading Borough Council	Local Economic Partnership, Reading UK CIC, Chamber of Commerce, Thames Water, Environment Agency
T4SP3.6	Engage with major utilities, service providers and retailers to gain assurance that essential supplies can be maintained in conditions of flood	March 2014	Action plan to do this prepared and agreed	Reading Borough Council	Thames Water Highways Agency, Local Economic Partnership, Reading UK CIC

Theme 5: Transport

Strategic Priority 1: Develop a transport infrastructure which supports more low carbon travel options for people in Reading

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T5SP1.1	Build pedestrian cycle bridge	March 2015	procure, build, monitor use	Reading Borough Council	Sustrans, landowners
T5SP1.2	Launch cycle hire	Spring 2014	monthly use	Reading Borough Council	Various
T5SP1.3	New and upgraded premier cycle routes	ongoing	new links and new facilities	Reading Borough Council, (Local Sustainable Transport Fund partnership)	
T5SP1.4	Support electric vehicle charging	2014	to be developed	Reading Borough Council, business	Car park operators
T5SP1.5	Apply best practice (from around UK) to road layouts	ongoing during resurfacing programme	reduction in injury accidents	Reading Borough Council	
T5SP1.6	Improve pedestrian/cycle facilities at local destinations and local environment	ongoing	New crossings, cycle stands installed; local area enhancements	Reading Borough Council, Local Sustainable Transport Fund partnership	Community, business

Strategic Priority 2: Reduce energy use and embodied energy in transport infrastructure

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T5SP2.1	Expand low energy lighting and control (e.g. dimming)	ongoing	monitor energy use	Reading Borough Council, Local Sustainable Transport Fund partnership	SSE
T5SP2.2	De-illuminate street furniture	ongoing	monitor energy use	Reading Borough Council	SSE

Strategic Priority 3: Manage transport infrastructure and services to prepare for climate change

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T5SP3.1	Reallocate road space to public transport and cycling	ongoing	By road or route	Reading Borough Council	
T5SP3.2	Improve traffic signal operation	ongoing	By junction	Reading Borough Council	
T5SP3.3	Management of transport related assets	ongoing	Faults, repair rates, response in extreme weather	Reading Borough Council	
T5SP3.4	Give appropriate advice for new development	ongoing	to be developed	Reading Borough Council	Developers

Strategic Priority 4: Encourage non-car travel for all sectors of the population, through targeted advice, incentives and enforcement

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T5SP4.1	Personalised travel planning (arranging travel plan for individual	to March 2015	Take customers through questionnaire - Conversations held	Reading Borough Council	Businesses
T5SP4.2	Develop financial and non-financial incentives to use sustainable travel methods (e.g. challenges, promotions)	ongoing	Participation, mode shift	Local Sustainable Transport Fund partnership, various	Reading Borough Council
T5SP4.3	Parking/bus lane enforcement (inc. camera car)	ongoing	to be developed	Reading Borough Council	
T5SP4.4	Promote new website and add to functionality	to March 2015	Measure use and app development	Reading Borough Council	Media, business
T5SP4.5	Variable Message Signing expansion	2013	to be developed	Local Sustainable Transport Fund partnership	
T5SP4.6	Introduce a Smart ticketing system	to March 2015	Increase sustainable travel	Reading Borough Council, Reading Transport Ltd	Various
T5SP4.7	Social media use for travel planning	ongoing	More reliable journey planning	Community, business	
T5SP4.9	Planned extension of 20mph speed limits/zones as appropriate to local conditions	ongoing	New schemes annually	Reading Borough Council, Police	

Strategic Priority 5: Reduce the air pollution from vehicles

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T5SP5.1	Extend park and ride	March 2015	New park and ride southeast, south & west	Reading Borough Council,	West Berks and Wokingham councils, Local Sustainable Transport Fund partnership and train operating companies, Business
T5SP5.2	Parking management	ongoing	Restrictions, enforcement	Reading Borough Council	
T5SP5.3	Bluetooth network management	2013	Journey time reliability	Reading Borough Council, Local Sustainable Transport Fund partnership	
T5SP5.4	Emissions or congestion permitting, gating	to be developed	Appropriate measures introduced	Reading Borough Council	Department for Transport, Department for Environment Food and Rural Affairs

Theme 6: Purchasing, Supply and Consumption

Strategic Priority 1: Enable people to make sustainable purchasing choices

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP1.1	Identify/support best practice champions in key areas	Sept 14	form a delivery group, recruit champions	Reading Borough Council	Connect Reading
T6SP1.2	Gather information on best practice	Mar 15 then on going	Publish best practice from delivery group on Reading Climate Action website.	Reading Borough Council	
T6SP1.3	Establish a forum for sharing ideas	Mar 15 then on going	Forum launch	Reading Voluntary Action	Reading International Solidarity Centre (RISC)

Strategic Priority 2: Support and encourage local purchasing and the development of local supply chains

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP2.1	Publish impartial/ peer reviewed information to guide local purchasing for dissemination.	On going	Toolkit developed to support local companies to access public contracts.	Demeter (commissioned by Institute for Sustainability)	
T6SP2.2	Compile information guide identifying the key standards and kite-marks.	Mar 14 Mar 15	<ul style="list-style-type: none"> • set up initial info source • provide formal guide then update ongoing 	Reading Borough Council	Institute for Sustainability, Energy Savings Trust, University of Reading

Strategic Priority 3: Promote and encourage new business models focused around the 'circular economy'

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP3.1	Organise regular seminars on key subjects such as circular economy.	Sept 14	First seminar. 1 per annum	University of Reading	
T6SP3.2	Establish a group of organisations that have an interest in exploring 'circular economy' approaches	September 2014	Group established	Kyocera Document Solutions (UK) Ltd	

Strategic Priority 4: Develop standards and the commitment to sustainable procurement in both the public and private sectors

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP 4.1	Link up with existing public and business sector initiatives and build on current standards/procedures	Sept 16	First group of businesses and organisations to have produced a Purchasing Supply and Consumption/ Waste Plan	Reading Borough Council	Environment Agency, NHS, Kyocera Documents Solutions UK Ltd, Connect Reading
T6SP 4.2	Develop local diverse, flexible supply chains and work with them to improve environmental standards of procurement	Sept 14	RE-Start Local Project. Work with 60 SMEs (small and medium enterprises) to outline public sector opportunities and standards.	Reading Borough Council	Institute for Sustainability
T6SP 4.3	Explore the potential to develop an accreditation scheme with Reading businesses	Mar 15	Initial feasibility	Kyocera Document Solutions (UK) Ltd.	Other champions identified through group.
T6SP 4.4	Nominate commercial and public sector “champions” in Reading area to highlight best practice	Mar 15	recruit champions in each sector	Reading Borough Council	Environment Agency, NHS, Kyocera Documents Solutions UK Ltd, Connect Reading
T6SP 4.5	Hold collaborative workshops between public and private sector procurers in Reading and other local Council areas to discuss/share knowledge	Sept 14	First workshop (annually thereafter)	Reading Borough Council	Business champions
T6SP 4.6	Develop financial and non-financial incentives (e.g. challenges, promotions) and competition.	Dec 14	Category award best organisation for Sustainable procurement/waste.	Reading Climate Change Partnership	WRAP
T6SP 4.7	Hold joint demand/supply chain events to bring local procurers and SME suppliers closer together pre competition	Sept 14	RE Start Local project	Institute for Sustainability/ Reading Borough Council	

Strategic Priority 5: Increase recycling rates

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP5.1	Continue to seek ways to improve Council collections and apply known best practice	Mar 15	Review of Council Collections	Reading Borough Council	Re3
T6SP5.2	Research/map and validate currently available methodologies and update knowledge	Mar 15	Set up initial info sources	Institute for Sustainability	Reading Borough Council
T6SP5.3	Disseminate knowledge and best practice in relation to recycling across the Borough to all communities and sectors	ongoing	re3 partnership - integrate into review	Reading Borough Council re3 Partnership	
T6SP5.4	Work with businesses to improve the uptake of recycling of trade waste and to collaborate on finding markets for surplus goods and materials	Mar 14	Town centre recycling cardboard contract	Reading UK CIC	Connect Reading

Strategic Priority 6: Reduce waste by supporting the re-use and repair of products and materials

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T6SP6.1	Use networks and variable communication methods to inform /encourage reduction, reuse and recycling, peer to peer lending and collaborative consumption	Sept 14	Information made available through web and other media.	re3 Partnership	Sue Ryder, Transition Town Reading, share & repair café
T6SP6.2	Identify particular examples/case studies (Reading and beyond) of innovative approaches to waste reduction, recycling and reuse.	Mar 15	% waste reduction for subsectors of borough to 2018	Reading Borough Council	WRAP, Community sector
T6SP6.3	Set up special interest working group to study and report on best practice and innovations.	Mar 15	form a special interest group, source initial case studies/info 1 year : source resources to deliver messages/seminars year 2	Reading Borough Council	
T6SP6.4	Promote and disseminate knowledge widely re practical approaches	year 1 and ongoing	% waste reduction for subsectors of borough to 2018	Kyocera	

Theme 7: Education, Communication and Influencing Behaviour

Strategic Priority 1: Further integrate sustainable behaviour promotion and practice throughout schools, colleges, universities, and workplaces

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T7SP1.1	Map existing activities being delivered across schools, colleges and higher education establishments in Reading which support delivery of the strategy's objectives	December 2013	Record of activities	Reading Borough Council	Reading College, University of Reading, Schools (Headteachers, governors...)
T7SP1.3	Develop plans for each sector to enhance education on climate change	July 2014	Identify opportunities and establish relevant educational resources	Reading Borough Council	School leads, Colleges and University of Reading
T7SP1.4	Encourage school children to become involved in local projects to encourage action to raise awareness of and tackle climate change and encourage continued participation in ECO schools scheme.	March 2014	<ul style="list-style-type: none"> • Raise level of achievement in Eco schools programme • Change with Climate Programme delivered 	Reading Borough Council,	University of Reading, Community groups, external groups such as Inter-Climate Network

Strategic Priority 2: Ensure that communication which is aimed at influencing climate change related behaviour is delivered in a consistent and targeted way

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T7SP2.1	Develop a media and communications strategy for the Climate Change Strategy targeted at and tailored to all relevant audiences, delivering consistent and relevant messages	Mar 14	Strategy delivered Communication plan delivered	Reading Borough Council	Environment Agency, University of Reading, Reading UK CIC
T7SP2.2	Engage partners in identifying potential communication channels for the various activities within the strategy and agreeing how these can be utilised	March 2014	Implement communication strategy with relevant organisations to expand participation	Reading Climate Change Partnership Board	Environment Agency, University of Reading, Reading UK CIC
T7SP2.3	Seek agreement through the Local Strategic Partnership that key partners will identify potential means to communicate messages and/or work in partnership - especially through existing communication channels	Sept 14	Take paper to Local Strategic Partnership outlining key messages and list of organisations that could disseminate	Reading Climate Change Partnership Board	Environment Agency, University of Reading, Reading UK CIC
T7SP2.4	Review membership of the Behaviour Change sub-group and its role in supporting strategy delivery	Mar 14	Develop programme	Reading Climate Change Partnership Board	
T7SP2.5	Use current available academic research to inform communications for the public and public sector approaches	ongoing	Linked to programme in T7SP2.4	Reading Climate Change Partnership Behaviour Change Group tbc	Reading Borough Council and other public sector organisations
T7SP2.6	Share findings and approach of behaviour change group with community groups and other relevant agencies	March 2014	policy evidence base	Reading Climate Change Partnership Behaviour Change Group	
T7SP2.7	Identify and support climate change schemes in the borough that meet the Strategic Priorities of the strategy; help to improve image of schemes and enhance uptake	Sept 15	Establish list of schemes and their hosting groups and organisations.	Reading Climate Change Partnership Behaviour Change Group	Reading Borough Council

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T7SP2.8	Define and consider target group(s) who may not take up measures and therefore remain vulnerable to climate change; consider measures that are suitable for these people	Sept 15	Establish a list of key vulnerabilities to Climate Change.	Reading Climate Change Partnership Behaviour Change Group	Education and training providers, Citizens Advice Bureau, Reading Borough Council

Strategic Priority 3: Engage organisations in the private sector, including residential and commercial landlords, in effective action to mitigate climate change

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T7SP3.1	Develop approaches to promote and engage landlords (and their tenants) across Reading to take up energy efficiency measures taking advantage of Green Deal/ Energy Company Obligation as appropriate	March 2014	<ul style="list-style-type: none"> • Identify key stakeholders/groups • Research activity elsewhere • Convene forum to discuss • Incorporate into Home Energy Conservation Act report 	Reading Borough Council	
T7SP3.2	Work through National Landlords Association accredited landlord scheme to improve insulation standard on properties	March 2014	Recruit further landlords	National Landlords Association, Reading Borough Council	
T7SP3.3	Gain better understanding of business drivers toward action to mitigate climate change	March 2014	Identify business stakeholder group	Reading Borough Council and project partners	

Strategic Priority 4: Develop the market for climate change related local business and the skills to ensure that local jobs are created in line with the growing low carbon economy

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T7SP4.1	Identify available funding to support programmes to enhance range of training in 'green skills' available locally	Mar 14	Review opportunities arising from the Government Depts of Business Innovation and Skills and the Dept of Energy and Climate Change.	Reading UK CIC	Reading College, New Directions, Trades associations
T7SP4.2	Work with the building industry, professional bodies and educational establishments to identify and further develop training or guidance on low-carbon construction and renovation skills	Sept 14	Report on education in low carbon techniques	Reading UK CIC	Reading Borough Council
T7SP4.3	Reading Borough Council internal training programme to incorporate environmental sustainability into appropriate job descriptions, identifying appropriate training where needed	March 2015	First assessment of senior management jobs	Reading Borough Council	

Theme 8: Community

Strategic Priority 1: Building community activity relating to sustainable communities

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T8SP 1.1	Identify groups carrying out activities supporting sustainable communities in Reading.	June 2014	Establish activity groups through RCAN with a range of projects/ activities	Reading Climate Change Partnership Board	
T8SP 1.2	Build relationships with 'non-environmental groups'; encourage uptake of sustainable community related activities through a 'campaign' or other forms of promotion, in line with actions identified in EBC SP2. design and build and launch a campaign to promote climate friendly activities to 'non environmental groups'	<ul style="list-style-type: none"> ●Sept 2014 ●June 2015 ●Sept 2015 	<ul style="list-style-type: none"> ● Build relationships in launch year. Trial methods of promotion. ●Design and build campaign ● Find resources to launch campaign 	Reading Climate Change Partnership board	Reading Borough Council, Reading Voluntary Action, Greater Reading Environment Network, RISC, community forums, Reading Climate Action Network members
T8SP 1.3	Sustain and improve 'environmental' community organisations by improving links between groups contributing to tackling climate change.	July 2014	Use Reading Climate Action Network (RCAN) to build a two way direct and quality communication between Reading Climate Change Partnership and environmental community groups.	RCCP Board	Key environmental groups - TBC - options include Greater Reading Environmental Network, Transition Towns Reading, Econet, Globe Groups

Strategic Priority 2: Build community resilience to climate change and self sufficiency (collective and individual)

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T8SP 2.1	Build uptake of energy efficiency, renewable energy & energy co-ops as well as (communal) food growing. Engage appropriate asset holders and develop local schemes.	September 2014	Identify & approach potential asset holders. Identify 3 community assets to invest in energy efficiency, food growing and renewables. Seek investment to benefit those who come forward.	Reading Borough Council	TTR, GREN, RVA, GLOBE groups, Food4 Families,
T8SP 2.2	Communal food growing together and learning; continuation of Food4Families; support allotment and food growing activities;	Sept 14	<ul style="list-style-type: none"> • Provision of allotment space in accordance with allotment strategy 2011 • Establish 15 Food4Families food growing gardens 	<ul style="list-style-type: none"> -Reading Borough Council -Food4Families 	Transition Town Reading (orchard and bulk buying sub-groups); organisations with buildings/ grounds
T8SP 2.3	Identify potential for a 'showcase facility' (city farm) where local people can learn about the opportunities to grow food, harness natural products and develop skills	Mar 14	<ul style="list-style-type: none"> • Complete research into viability of city farm in Reading • Consider report produced and revise action plan accordingly. 	-Springboard	
T8SP 2.5	Develop a network of accessible self-sufficient community buildings supporting skill development and providing local food.	June 2014	Complete mapping exercise of community buildings	Reading Borough Council	Reading Voluntary Action

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T8SP 2.6	Build householders / individuals resilience in a number of ways; growing food, generating energy, insulating homes, planting trees, installing rainwater harvesting and composting food/garden waste.	Sept 2014	<ul style="list-style-type: none"> • Increase numbers of households adopting measures • Develop monitoring indicators • Design suitable messages, to target particular groups of householders 	Reading Climate Change Partnership.	Reading Borough Council

Strategic Priority 3: Reduce consumption by building a 'sharing economy'

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T8SP 3.1	Promote Reading Local Exchange and Trading Scheme, Time Banking and FREEGLE, to community groups, businesses and residents using existing communication channels Link in with wider communications plan for schemes in action plan.	Sept 14	year 1 - Research existing activities and raise awareness of them Develop messaging that encourages use of these schemes.	Reading Borough Council	Reading Voluntary Action, Connect Reading, Partnership between business/community/public sectors
T8SP 3.2	Build trust and reputation between exchangers to reduce equipment ownership; identify specific examples and share best practice. Publicise through media	Sept 15	Media releases from public sector and community groups, use best practice and share success stories	Reading Borough Council	Other partners identified year 1
T8SP 3.3	Build 'share and repair' movement, increasing skills in the community and reducing waste	March 2015	<ul style="list-style-type: none"> • Establish sharing network • Identify community champion(s) • Establish list of organisations that can repair and refurbish products 	Transition Towns Reading	Greater Reading Environmental Network, Reading Voluntary Action
T8SP 3.4	Mainstream sharing initiatives in Reading residents / businesses culture	March 2016	Recruit business partners and expand network	TRR / Connect Reading To be identified	

Strategic Priority 4: Build an 'alternative economy' focussed on quality of life and emphasising sustainable communities

Ref	Action	Timescale	Target & measure/ milestone	Lead delivery partner(s)	Other delivery partners
T8SP 4.1	Conduct research into local outlets that would consider trading in a Reading pound to strengthen the local economy	December 2014	Complete research project	Transition Towns Reading	Local businesses
T8SP 4.2	Support local economy to explore methods used in UK towns and cities to increase local identity and build number of local businesses	April 2014 June 2014	Build research group of interested organisations/ individuals (tastecard/ wedgecard/ Bristol £ etc). First meeting	Transition Town Reading	Reading Borough Council, Reading UK CIC Federation of Small Businesses, RVA (Highbridge exchange / The Real Business Club),