

Wirral Climate Strategy Action Plan – August 2017

APPENDIX 2

<p>Key</p> <p>Status = No change reported since August 2016 * Progress update/s added since August 2016 + Action added to rolling action plan since August 2016</p>
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Goal: Substantially cut climate pollution associated with Wirral

Aim 1: Make Wirral more energy efficient

S t a t u s	Objective 1:01 Contact the owners/occupiers of at least 95% of the remaining “easy to treat” homes to highlight the opportunities for improvement		Justification: There remain around 26,000 residential properties with un-insulated cavities and 4,700 with less than 100 mm of loft insulation. These measures are relatively easy to implement and are thus usually amongst the most cost effective.		
	Action	Lead	Measure	Timescale	Progress
	<i>To progress or on-going</i>				
*	Publicise national and local energy efficiency initiatives in priority areas.	Housing Strategy, Wirral Council	No. of phone calls to freephone advice line	Nov 2017	Two publicity campaigns took place in priority areas in 2016/17: 1) a targeted mailshot to 12,000 homes to promote the Collective Energy Switch; 2) a targeted mailshot to 800 households in receipt of welfare benefits in the Selective Licensing areas to promote the availability of the Warm Home Discount. Another Warm Home Discount mailshot is planned for Autumn 2017.
<i>Completed</i>					
=	Identify areas where easy to treat homes are concentrated	Housing Strategy, Wirral Council	List of priority areas	Dec 2014	A list has been compiled based on energy company funding data and

					estimates of cavity walled properties.
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S t a t u s	Objective 1:02 Improve a minimum of 200 properties each year mainly in the east of Wirral using a range of funding streams including ECO investment	Justification: The Energy Company Obligation (ECO) is a key current investment stream for improving residential energy efficiency. The properties and households most likely to benefit from ECO are more concentrated in the east of Wirral.			
	Change in context since strategy adopted: Reduced funding via the Energy Company Obligation.				
	Action	Lead	Measure	Timescale	Progress
	<i>To progress or on-going</i>				
+	Seek funding to install external wall insulation at remaining properties on Bromborough estate.	Magenta Living VIRIDIS	Funding secured	Autumn 2017	Bid submitted via VIRIDIS for European funding (50% match). Subject to the success of the bid, funding would be used to insulate 83 properties on Bromborough estate utilising the external wall system previously trialled in a successful pilot project (see completed actions). If funding is secured via the VIRIDIS bid, the scheme is would likely start in 2018/19 financial year.
	<i>Completed</i>				
=	Appoint delivery partner to engage households in areas of high fuel poverty with advice and referrals to reduce energy bills.	Housing Strategy, Wirral Council	Contractor appointed Contract outputs met	Sep 2014 Aug 2015	Contract awarded to Energy Projects Plus (EPPlus) to concentrate work in fuel poor areas. At August 2015, EPPlus had: provided telephone support to 380 clients; attended 17 community events; engaged with community groups across the target Ward of Birkenhead & Tranmere working with three social housing providers and giving talks to five community groups; worked with St. Werburgh's Primary School; delivered three training sessions, engaged 676 residents directly at home and delivered four campaigns to 2,508 homes. Referrals for support led to over

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					£18,000 of fuel debt being removed from residents bills and over £1,000 being saved on bills through the collective switch campaign.
=	Work with Housing Associations to provide cross-tenure offer for areas where they are installing solid wall insulation	Housing Strategy, Wirral Council	Private households benefit from economies of scale	Mar 2016	Funding opportunities for schemes reduced significantly due to reduced funding from ECO and the need for Registered Providers to cut budgets as a result of the Government imposing a 1% rent reduction each year over the next four years. Despite this, Magenta Living installed solid wall insulation in 191 of their properties in 2015/16 (157 in Bromborough and 34 in Moreton).
*	Provide grants to allow a minimum of 55 households in the Selective Licensing (of private landlords) areas to install solid wall insulation	Housing Strategy, Wirral Council	No. of households receiving grants	March 2017	A total of 26 grants were provided. Unfortunately the scheme manager went into voluntary liquidation at the end of January, limiting the number of grants that could be completed before the budget expenditure deadline.
*	Explore innovation to deliver schemes to target solid wall properties	Magenta Living			Pilot scheme completed utilising a prototype external wall insulation system. The prototype system was installed at two properties in Bromborough. Following the success of the pilot a wider Liverpool City Region funding bid involving VIRIDIS partners has been developed.

S t a t u s	Objective 1:03 Identify and refer vulnerable and ‘fuel poor’ households to available support via social, health, housing and education services and community and faith groups		Justification: Support is often available for vulnerable and fuel poor households, but it can be difficult to identify those eligible for support. Those who work in community settings have an important potential role in helping to refer those who could benefit to such support.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

+	Complete Year 2 of Warmer Wirral Fuel Poverty Contract through Energy Projects Plus	Housing Strategy. Wirral Council Energy Projects Plus	Sept 2017	Contract delivered	Year 1 completed in Sept 2016.
	Completed				
+	Complete "Energy Efficiency & Fuel Poverty in Selective Licensing Areas" contract through Energy Projects Plus	Housing Strategy. Wirral Council Energy Projects Plus	March 2017	Contract delivered	Contract complete. Project report in draft.
=	Appoint delivery partner to deliver training sessions to front-line organisations, talks to community organisations and work with primary school.	Housing Strategy, Wirral Council	Sep 2014 Aug 2015	Contractor appointed Two training sessions and four talks and partnership with primary school	Energy Projects Plus appointed in September 2014. Training session delivered to councillors in February 2015. Two training sessions for Fire Service and Age UK Wirral booked for June 2015. Drop-in sessions held for parents in St Werburgh's Primary, Birkenhead.
=	Energy Champions training programme delivered through Liverpool City Region Viridis partnership with largest housing associations.	Housing Strategy Wirral Council	Mar 2015	Training sessions delivered	Training sessions completed.
=	Work with the child poverty group to identify families who may be in need of support	Public Health, Wirral Council	June 2015	Number of families identified as fuel poor	Item at child poverty group on 16 th June 2015

S t a t u s	Objective 1:04 Lobby Government for support to improve take-up of energy efficiency measures including steps to make the Green Deal more attractive		Justification: The Green Deal is the government's flag ship energy efficiency initiative offering loans to support investment in energy efficiency at no upfront cost. The initiative has had a relatively slow start and it is not yet delivering levels of investment widely considered necessary.		
	Change in context since strategy adopted: <i>The Green Deal failed to meet expectations and the Government stopped funding the Green Deal Finance Company</i>				
	Action	Lead	Timescale	Measure	Progress
<i>To progress or on-going</i>					

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

*	Contribute to any Government consultations relating to Green Deal, ECO and the Fuel Poverty Strategy	Housing Strategy, Wirral Council	When required by Government	Consultation responses	Responses submitted to consultations as follows: Private Rented Sector Energy Efficiency Regulations (Domestic) Aug 14, Government's Fuel Poverty Strategy Oct 2014, Housing Standards Nov 2014. Contributed to: LCR Viridis response to Government's Feed-in Tariff consultation October 2015 Meeting with Viridis representatives on 1st August 2016 to submit joint response to ECO 3 consultation Assisted in the development of Flexible Eligibility under the Help to Heat portion of ECO3 as part of the Liverpool City Region.
=	Provide opinions to Government through NEA membership and the North West Carbon Action Network	Housing Strategy, Wirral Council	Ongoing	Attendance at meetings or respond to calls for evidence	NEA membership renewed for 2015/16, NW Carbon Action Network and Association of Local Energy Officers responses to Government's Warm Home Discount consultation April 2015

S t a t u s	Objective 1:05 Target high energy use households in the west of Wirral with information about the Green Deal and other energy efficiency opportunities		Justification: There is a greater concentration of high energy use households in the west of Wirral, although the relative affluence of this part of the Wirral make it less likely benefit from ECO investment. It thus makes sense to target efforts to raise awareness about the Green Deal here.		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Publicise national and local energy efficiency initiatives utilising the free phone advice line	Housing Strategy, Wirral Council	August 2015	No. of phone calls to freephone advice line	Energy Projects Plus' Save Energy Advice Line provided telephone advice to 380 Wirral clients in the 12 months to August 2015, covering a broad range of issues including fuel debt, energy tariff switching, grants for measures, and renewable energy options.
=	Assist people to calculate their carbon footprint at Wirral Earth Fest	TTWK Energy Group	September 2015	Number of people	Event held

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

				calculating their carbon footprint	
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S t a t u s	Objective 1:06 Create targeted locally relevant support to complement national energy efficiency opportunities taking into consideration existing barriers to local participation		Justification: The take up of national support opportunities varies. Targeted interventions can be more sensitive to local needs.		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Appoint delivery partner to engage households in areas of high fuel poverty with advice and referrals to reduce energy bills.	Housing Strategy, Wirral Council	September 2014	Contractor appointed	Contract awarded to Energy Projects Plus to concentrate work in fuel poor areas.

S t a t u s	Objective 1:07 Develop local capacity in the skills to design, build and refurbish buildings to the highest energy efficiency standards by promoting education and training opportunities and linking them with local building programmes		Justification: If the local area is to benefit fully from investments needed in energy efficiency, it makes sense to ensure the skills to design, build and refurbish buildings to the highest standards are available locally		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
=	Engagement with businesses regarding their skills and training requirements. Linking this activity to work of economic policy (skills) team.	Wirral Chamber of Commerce	Ongoing		
<i>Completed</i>					
=	Work with City Region REECH programme and partner housing associations to continue to develop local capacity for energy efficiency refurbishment of social housing	Housing Strategy, Wirral Council	End of 2014 for bid outcome.	Successful City Region bid for ERDF funds for energy efficiency	The REECH programme has now ended. Although the number of social housing properties in Wirral which directly benefited from REECH funding was low (around 40), local companies such as Thextons engaged with the programme and increased their installation capacity

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

				improvements to social housing. Outputs dependent on funding awarded.	directly by being contracted for works in other Merseyside areas.
+	Production of sustainability implementation plan as a guide for refurbishment of police buildings. The framework is designed to ensure refurbishment achieves more than minimum standards.	Merseyside Police		Production and use of the sustainability implementation plan	The implementation plan has been created and used to guide contractors in the refurbishment of Bebington Police station

S t a t u s	Objective 1:08 Bid to the LCR Local Enterprise Partnership or other sources of funding to work up the feasibility of potential heat networks in Wirral in support of the LCR SEAP		Justification: Heat networks can deliver major energy efficiency benefits. The Liverpool City Region (LCR) Sustainable Energy Action Plan (SEAP) identifies the potential for heat networks locally. The Local Enterprise Partnership endorses the SEAP and may be a source of support to develop heat networks in Wirral		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
	=	Work with Peel Holdings to understand the timing & phasing of the Wirral Waters scheme such that an assessment could be made of the potential for a heat network to serve the entirety of the site.	Regeneration and Environment, Wirral Council working via Wirral Waters S106 “Sustainability, Energy and Waste Working Group”		
<i>Completed</i>					
=	Introduce CHP-based network at Trust hospital campuses utilising NHS carbon and energy fund mechanism.	WUTH NHS Trust	January 2015	Scheme implemented	Scheme implemented. £5.6M capital investment secured and invested in Combined Heat and Power (CHP), energy efficient lighting and insulation

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

S t a t u s	Objective 1:09 Promote investment in ‘Wirral Waters’ as an exemplar sustainable energy opportunity		Justification: ‘Wirral Waters’ is a major development proposal centred on the regeneration of dock lands into mixed residential commercial and leisure uses. It is anticipated that the development will be an exemplar sustainable community. The LCR Sustainable Energy Action Plan identifies Wirral Waters a key opportunity for a major district heating scheme.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
=	Work with Peel Holdings to understand the timing & phasing of the Wirral Waters scheme such that an assessment could be made of the potential for the incorporation of sustainable energy measures within the scheme.	Regeneration and Environment, Wirral Council working via Wirral Waters S106 “Sustainability, Energy and Waste Working Group”			

S t a t u s	Objective 1:10 Assemble the market evidence to identify areas where it is feasible to demand more than minimum energy efficiency standards through the planning system		Justification: There is a need for evidence to justify ‘more than minimum’ energy efficiency standards through land use planning. Without such evidence it is likely that policies to support them will not be upheld at appeal.		
	Change in context since strategy adopted: <i>The Deregulation Act 2015 removed a clause from the Planning and Energy Act 2008 that enabled Local Authorities to require new housing developments to reach higher energy efficiency standards. A ministerial statement sets out guidance to local planning authorities. For energy performance, authorities will continue to be able to ask for energy performance standards that exceed the Building Regulations until the national zero carbon homes policy is introduced, expected to be in late 2016. Until that time, authorities should not ask for developments to achieve energy standards higher than a Code Level 4 equivalent. Local authorities will still be able to ask for BREEAM standards on non-residential development.</i>				
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Viability Assessment in preparation to support the Core Strategy Local Plan	Planning, Wirral Council	Adoption of Core Strategy Local Plan and SPDs before end of 2016. Site specific Local Plan to follow.	Core Strategy found “sound” at Examination	A baseline Local Plan and Community Infrastructure Levy Economic Viability Study was published in 2014. This work is to be updated in early 2018 as part of current development options review. Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in 2019

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					and adopted by 2020.
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S t a t u s	Objective 1:11 Develop targeted energy efficiency campaigns for places of work, leisure, education and worship		Justification: Different settings raise different energy efficiency issues. Targeted campaigns can have a greater impact.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	+	Promote Green Office Week 2018	Energy, Wirral Council	May 2018	Items posted	
	*	Seek funding to develop climate-related work with faith communities in Wirral	Faiths4Change	Autumn 2017	Funding secured	Support in principle in place to part-fund an event to be hosted in Wirral but open to interested parties from faith communities across Merseyside. A funding bid is now under development to secure the balance needed. The event will address managing energy water and waste associated with faith buildings.
	+	Promote switch off fortnight 2017	Eco Schools, Wirral Council	November 2017	Number of schools participating	
	<i>Completed</i>					
	=	Promote 'Switch off fortnight' 2014 and associated assessments as part of Eco schools	Eco Schools, Wirral Council	November 2014	Number of schools participating	
	=	Promote Green Office 2015 Week via Council intranet	Sustainability, Wirral Council	May 2015	Items posted	Items posted
	=	Promote 'Switch off' fortnight 2015 and associated assessments as part of Eco Schools	Eco Schools, Wirral Council	November 2015		All eco schools took part in Switch off fortnight which had a spy theme in 2015.
=	Promote Green Office 2016 Week via Council intranet	Sustainability, Wirral Council	May 2016	Items posted	Items posted	

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

=	Initiate student project to investigate existing resources aimed at places of worship	Sustainability, Wirral Council	June 2016	Investigation completed	Student project initiated and completed looking at church communities. The investigation included a focus group session to explore the type of interventions favoured for energy efficiency and climate change interventions. The favoured approach recommended was to organise a church conference on the topic to bring together interested parties from across the church community.
+	Promote Switch off fortnight 2016 as part of eco schools	Eco Schools, Wirral Council	November 2016	Number of schools participating	Run in November with spy theme again. All eco-schools participated. It will no longer be compulsory for eco schools in 2017
+	Promote Green Office 2017 Week via Council intranet	Sustainability, Wirral Council	May 2017	Items posted	Ran an intranet story for green office week 2017 which included a link to 21 videos presented by Primary School children which revealed easy but eco-friendly ideas that the children had learnt about at home or school.
+	Explore opportunity to organise a multi faith conference on energy efficiency and climate change	Sustainability, Wirral Council	July 2017	Opportunities identified.	Outline for potential event agreed with Faiths4Change. Short-list of venues in Wirral produced. Existing faith and climate related resources available via the internet identified.

S t a t u s	Objective 1:12 Seek support for improving the energy efficiency of community buildings		Justification: The consultation flagged up that those who run community buildings often struggle to fund building improvements including energy efficiency measures. Local grant support has been available in the past. Improvements to community buildings not only benefit climate change but can help groups cut running costs enabling community buildings to operate on a more sustainable basis.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Seek opportunities and	Community Action	Ongoing	Support	CAW has recently secured a new 3 year

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	develop/encourage bids for support where appropriate	Wirral		secured	contract with Wirral Council to continue to provide infrastructure support. This will allow CAW to support groups and organisations to work together to draft bids for projects which support delivery of the strategy.
=	Provide funding advice to groups seeking to make community building improvements	Community Action Wirral	Ongoing		

S t a t u s	Objective 1:13 Assemble a set of “good house-keeping” promotional resources to support energy awareness campaigns	Justification: It makes sense to pool existing promotional resources to avoid the ‘re-inventing the wheel’ and to make it easier to run energy awareness campaigns.			
	Action	Lead	Timescale	Measure	Progress

S t a t u s	Objective 1:14 Create a mechanism to promote voluntary peer review of energy efficiency efforts in different organisations and to encourage the sharing of resources to support the work of energy/eco champions	Justification: With finite resources available, it makes sense to work together and share good practice.			
	Action	Lead	Timescale	Measure	Timescale
	<i>To progress or on-going</i>				
+	Organise peer-sharing session	Sustainability, Wirral Council	Autumn 2017	Session held	Energy & Building Services to host session

S t a	Objective 1:15 Create a directory of local suppliers of accredited energy efficient goods and services and promote these through an expo event	Justification: If the local area is to benefit fully from investments in energy efficiency, it makes sense to highlight local suppliers offering energy efficient goods and services			
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

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	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Investigation by University of Chester students	Sustainability Wirral Council			Survey undertaken but limited response
=	Showcase Wirral's low carbon and environmental goods and services companies at IFB2016	Wirral Chamber of Commerce			Nine Wirral businesses with goods and services in the environment sector were showcased at the International Festival for Business 2016. Wirral Chamber of Commerce partnered with Wirral Council to showcase these businesses on 21st June during the Festival's 'Energy and Environment Week'. Products and promotional materials were on display utilising exhibition space at Exhibition Centre Liverpool. Between 1500 and 2000 business people attended that day The Business showcased were: Inteb Managed Services, Stiebel Eltron Ecogrid, Mole Group, Bibby HydroMap LEClight Ltd, B&M Waste Services, Feedwater and Aqualogic

S t a t u s	Objective 1:16 Upgrade outdoor lighting fixtures and controls including street lights		Justification: Outdoor lighting presents an opportunity to introduce energy saving fixtures and controls.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
+	Commence replacement of life expired/condemned street lighting equipment with LED units	Highway Management Wirral Council	March 2018	Number of LED units	Funding application approved for £500k (with a further £500k in principle) to replace a quantity of life

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					expired/condemned lighting equipment. Tender for replacement work due out summer 2017. Aim to appoint contractor for September 2017. Anticipated completion date for works March 2018. Works will involve either full replacement of residential columns complete with a new LED lantern, or, a direct lantern upgrade from HID to LED. It is anticipated that in the region of 1500 – 2000 units will be implemented for the level of approved funding.
Completed					
=	Develop street lighting strategy	Highway Management Wirral Council	2014	Strategy in place	Street lighting strategy and action plan 2014 approved by Wirral Council in October 2014
=	Implement retrofit and replacement LED lanterns with a wireless central management systems to the 7,553 high energy consuming street lights across Wirral in line with the street lighting strategy.	Highway Management Wirral Council	July 2015 – March 2016	Number of lanterns to be replaced is 7553	Completed. 7553 lanterns replaced
*	Commission investigation into column condition for all the remaining street lights in order to determine their suitability to support new LED lanterns. Subject to the results of the investigation which will determine the extent of the lamp column asset that could require removal and replacement the cost of this work will determine whether further phases of retrofit and replacement with LED lanterns are affordable	Highway Management Wirral Council	Estimated start November 2016 for completion by the end April 2017.	Column condition report	Investigation commissioned. Column condition survey near completion.

S	Objective 1:17 Create a Wirral-focussed energy efficiency campaign linked to the roll out of smart meters	Justification: Utility companies will be rolling out new smart meters to their customers over coming years. This presents a potential opportunity
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

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	to engage people about energy saving practices				
	Action	Lead	Timescale	Measure	Progress
	<i>To progress, or on-going</i>				
*	Explore the potential for piggy-backing on the marketing messages of energy companies linked to their smart meter roll outs	Housing Strategy, Wirral Council Energy projects Plus	2016	Opportunities identified	Web page created on Council website to support promotion of Smart Meters (https://www.wirral.gov.uk/housing/help-your-home/energy-efficiency/smart-meters) Smart Energy GB installation campaign is focusing on "the end of estimated readings", with energy saving getting little attention. An initial bid submitted by EPPlus to Smart Energy GB for awareness raising of smart meter roll-out was unsuccessful. A subsequent bid has been submitted to target over 65s without internet access. If successful this will allow EPPus to promote energy efficiency measures also.
	<i>Completed</i>				
=	Obtain timetable for roll-out in Wirral	Housing Strategy, Wirral Council	2015	Plan activity around timetable	Roll-out began early 2015. Each individual energy company decides when it will roll-out to Wirral households and so the ability to have a high profile localised campaign over a short time-frame is no longer possible. May be opportunities to piggy-back on marketing messages.
	<i>Abandoned</i>				
=	Create plan of engagement around key milestones for roll-out	Housing Strategy, Wirral Council	2015	Activity plan	See above. Because of roll out by individual companies this action was abandoned

S	Objective 1:18: Pilot a 'smart grid' in at least one Wirral	Justification: Electricity networks are critical to achieving climate
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t a t u s	community		change objectives. A shift from a tradition grid designed to distribute energy one-way from large centralised power stations, to smart grids is anticipated. Smart grids utilise information and communication technologies in an automated way to improve reliability; efficiency and flexibility of the electricity distribution network– including coping with two way flows from more decentralised smaller scale generation sources including renewable energy sources. The transition to a smarter grid presents opportunities to pilot new technologies.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
+	Meet with Scottish Power Energy Networks to discuss Smart-Grid	Sustainability, Wirral Council			Meeting requested. Awaiting response

Goal: Substantially cut climate pollution associated with Wirral

Aim 2: Generate and source more of our local energy needs from renewable sources

S t a t u s	Objective 2:01: Create a renewable energy co-operative to pool local investment		Justification: Incentives are in place to make investment in renewable energy attractive, but not everyone is in a position to exploit the technology directly. Co-operatives have been used elsewhere to enable those who support renewable energy to pool their resources and develop community renewable energy projects. Community-led projects give local people a stake in projects and help ensure the benefits are enjoyed locally.		
	Change in context since strategy adopted: The business model adopted by many community-based renewable energy co-operatives elsewhere in the country is based on income from the Feed-in-Tariff. Changes in the Feed-in-Tariff have undermined this model.				
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Manage consultant to conduct feasibility study in accordance with UCEF terms	Wirral Community Renewables	December 2017	Bid outcomes achieved.	Consultants have been appointed and the feasibility study is underway. The investigation is focused on finding potential viable sites for community-owned solar PV. At the time of writing a shortlist of potential sites had been identified that merited further detailed investigation. A final report is due Autumn 2017 to recommend the most

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					promising sites to develop.
+	Prepare detailed proposal for first community owned photovoltaic development utilising outputs from the UCEF supported feasibility study	Wirral Community Renewables	Subject to outcome of UCEF funding feasibility study	Scheme proposal prepared	
Completed					
=	Gather information about renewable energy co-operatives elsewhere and support for the creation of community renewable energy schemes	Sustainability, Wirral Council		Information held	Information gathered and used at public event held in March 2015
=	Convene a meeting of interested parties	Sustainability, Wirral Council	February 2015	Meeting held	Public event “Community Energy for Wirral & Liverpool City Region” held in in partnership with LCR Local Enterprise Partnership and hosted by Magenta in March 2015. 41 people took part. The event featured presentations from Lymm Community Energy, Liverpool Community Renewables and MORE (Morecombe Bay Renewables) in Lancaster. 16 people recorded their interest in setting up a similar Wirral initiative.
=	Follow-up contact with interested parties	Energy Projects Plus	March 2015	Contact made	Contact made to identify ‘core group’.
=	Bid for support from the Co-operatives UK Energy Mentoring programme to develop a community energy group	Energy Projects Plus	April 2015	Bid progress	Bid submitted. Mentoring support secured June 2015
*	Facilitate meetings to encourage formation of Wirral Community Renewables as a Community Benefit Society	Energy Projects Plus	June -October 2015	Meetings held. Community Benefit Society Formed	Group now registered as a community benefit society following numerous meetings including meetings to develop bids for support and funding.
=	Promote “Solar Enlightenment” bid to M&S Community Energy Fund	Wirral Community Renewables with support from EPPlus TTWK Energy Group,	August-September 2015	Support secured for bid	Proposal for installation of 4KWp Solar PV array at Pensby Library submitted and shortlisted for the public vote. The bid was ultimately unsuccessful finishing

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

		Wirral Council			in second place in the Merseyside, Cheshire and North Wales area - approximate 40 votes short of the winners. Wirral Council eventually implemented a 11KWp scheme at Pensby Library.
*	Seek to mount a bid to the urban community energy fund (UCEF)	Wirral Community Renewables with support from EPPlus and Sustainability, Wirral Council	March 2016	Support secured	A bid was submitted to the UCEF in 2016. The bid was successful resulting in a conditional grant offer to support a feasibility study. After meeting the conditions the group has now initiated the study.
=	Support formation of Wirral Community Renewables Group	TTWK Energy Group	August 2015- August 2016		Promotion of Wirral Community Renewables M&S Community Energy Bid at Wirral Earth Fest 2015

S t a t u s	Objective 2:02: Identify potential sites for solar energy investment		Justification: Solar energy proved to be one of the more popular types of renewable energy in the climate strategy consultation process. Wirral enjoys sufficient sunlight (solar insolation) to make solar energy viable in the right locations both to capture heat (solar thermal) and generate electricity (solar thermal). National Planning Policy Guidance indicates that large scale solar farms should be focused on previously developed and non-agricultural land, provided that it is not of high environmental value. This is likely to limit the potential for large scale solar farms within Wirral.		
	Change in context since strategy adopted: Changes in the Feed-in-Tariff have had an impact on potential income generation which is a factor in investment decisions				
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
+	Meet with representatives from local community renewable energy sector to explore prospects for hosting community-owned solar PV on police estate	Merseyside Police	Autumn 2017	Meeting held. Viable sites identified.	
*	Encourage the incorporation of active solar and Solar PV in new	Planning, Wirral Council	Adoption of Core Strategy	Core Strategy	Core Strategy at Pre-Submission Stage, Scope of SPDs subject to consultation in

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	developments, including through inclusion of appropriate policies in Wirral's Local Plan and guidance in Supplementary Planning Documents		Local Plan and SPDs before end of 2016. Site specific Local Plan to follow	found "sound" at Examination	2013. Following further consultation on housing needs and land supply, the Council is undertaking a wider review of development options before deciding on the final sites to be included for development in the Core Strategy Local Plan The Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in 2019 and adopted by 2020
*	Seek investment in solar PV projects on schools	Sustainability, Wirral Council	Ongoing	Number of schools with installations and kWp installed	Advice has been given to individual schools concerning the installation of solar pv through third-party 'offers'.
Completed					
=	Review potential for solar PV on Wirral Schools owned by Wirral Council	Sustainability, Wirral Council	September 2015	Priority sites identified	Desk-top review of 90 primary schools and three Early Years Centres completed to identify top 20 sites for further investigation
=	Seek investment in solar PV projects on Wirral Council buildings with most potential to exploit solar energy	Sustainability, Wirral Council	-	Number of sites with installations and kWp installed	Final planned installation stage (phase-3) now completed. A total of 24 installations are now operating at 24 locations across Wirral. All installations are registered to receive the 'Feed in Tariff' and will reduce reliance on imported electricity and carbon emissions. The total installed capacity on council property 571 kWp

S t a t u s	Objective 2:03: Establish a small-scale wind turbine trial	Justification: Parts of Wirral have a suitable wind conditions to make wind turbines viable, although constraints exist. In the strategy consultation process wind energy was supported although opinion was more divided. Investigating the potential of wind through a small-scale wind turbine trial will enable local experience to be built.
	Change in context since strategy adopted: A ministerial statement issued in June 2015 changed planning criteria for on shore wind. The	

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	statement indicates that local planning authorities should only grant planning permission for on-shore wind developments if in an area identified as suitable for wind energy development in a local or neighbourhood plan. There are no such allocations at present in Wirral.				
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Research existing wind turbines in Wirral as a basis for consideration of developing a potential small-scale wind turbine trial	Sustainability, Wirral Council	June 2015	Report produced	Report presented to Wirral Climate Change Group June 2015. Subsequent Government Ministerial Statement appears to limit opportunity to develop a trial.

S t a t u s	Objective 2:04: Identify the potential for the use of bio-mass heat and power in parks and countryside facilities	Justification: The consultation workshop included a presentation that featured an example of the use of bio-mass heat and power in parks and countryside facilities. This proved to be popular in subsequent discussion and merits some further investigation.			
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Consider implementing household and/or commercial food waste collection schemes to provide source of biomass energy	MRWA	To be determined		The Joint Municipal Waste Management Strategy for the Liverpool City Region has been reviewed. Joint working is now underway including modelling for food waste collection options

S t a t u s	Objective 2:05: Promote the availability of support to establish the feasibility of on farm anaerobic digestion plant and explore other opportunities to produce biogas from wastes	Justification: The On-Farm Anaerobic Digestion (AD) Fund administered by WRAP exists to help farmers build AD plants on their farms. There may be other opportunities to produce biogas from different waste streams.			
	Action	Lead	Timescale	Measure	Progress

S	Objective 2:06: Highlight the availability of incentives to support	Justification: Incentive payments – The Feed-in-Tariff (FITs) for			
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

t a t u s	installation of micro-renewable energy including FiTs and RHI		renewable electricity and more recently Renewable Heat Incentive (RHI) for renewable heat - are a major driver in the uptake of renewable energy.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	*	Promote the availability of FiTs and RHI via relevant social media channels and web pages	Sustainability Wirral Council	Ongoing		Council website links to Energy Saving Trust information about generating your own energy
	<i>Completed</i>					
*	Awareness raising among businesses by email, online and during face-to-face meetings	Wirral Chamber of Commerce		Emails sent to all members of Businesswirral.com	Email sent. Businesswirral.com no longer managed by Wirral Chamber. Information is still provided to companies asking for support face-to-face	

S t a t u s	Objective 2:07: Promote the use of biomass fuels in off-grid locations and raise awareness about the use of correct appliances in smoke control areas		Justification: Biomass-based fuels, e.g. wood pellets and logs, are an important potential renewable derived heating source. Biomass boilers are a good low carbon alternative for those with heating needs off the gas grid that currently rely on bottled gas, oil or coal fired systems. Much of Wirral is a smoke control area where only smokeless fuels can be burnt unless they are burnt in an exempted appliance			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	*	Promote biomass fuels and awareness via relevant social media channels and web pages	Sustainability, Wirral Council			No progress.
	<i>Completed</i>					

S t a t u	Objective 2:08: Win further resources to develop Wirral as a centre of excellence for wind energy		Justification: Wirral's existing dock and maritime industrial assets make it an obvious location for supporting the development of off-shore wind farms. There has already been some public and private sector investment to make Wirral a centre of excellence in this growing industry.		
	<i>To progress or on-going</i>				

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

S	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	New infrastructure projects for development of offshore wind cluster.	Investment Strategy Wirral Council	Complete expenditure by end of March 2015.	Invest £5m in supporting low carbon offshore energy supply chain projects in Wirral.	Entire £5m budget spent - supporting offshore energy and related projects. Leveraging £8.6m million private sector investment, creating 67 jobs and safeguarding 483. The £2.5m Lightbox development in Birkenhead comprises six super energy efficient commercial units, including research, laboratory, and development space, which are now available to lease. The development will be able to support more than 50 jobs. Turbine Business Park will attract £7m of private investment in offshore wind supply chain and related sectors. DONG energy is to create 50 jobs in Birkenhead at new offshore wind facility to service Burbo Bank wind farm extension.

S t a t u s	Objective 2:09: Promote Wirral's value as a location for investment in emerging renewable energy technologies	Justification: Wirral's location, skill base and proximity to existing centres of research make it a potentially attractive location for investment in emerging renewable energy technologies			
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
+	Contribute to the formation of an LCR combined authority energy strategy	LEP	Spring 2018		

S	Objective 2:10: Build local skills to assess, install and service	Justification: If the local area is to benefit fully from investments in			
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

t a t u s	renewable energy equipment by promoting education and training opportunities and linking them with local renewable energy investments		renewable energy, it makes sense to ensure the skills to assess, install and service renewable energy equipment are available locally.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
	=	Skills and education shows to have a low carbon element	Economic Policy Team, Wirral Council		
	<i>Completed</i>				
=	New infrastructure projects for development of offshore wind cluster.	Investment Strategy Wirral Council	Complete expenditure by end of March 2015.	Invest £5m in supporting low carbon offshore energy supply chain projects in Wirral.	Entire £5m budget spent - supporting offshore energy and related projects. Leveraging £8.6m million private sector investment, creating 67 jobs and safeguarding 483. DONG energy is to create 50 jobs in Birkenhead at new offshore wind facility to service Burbo Bank wind farm extension.

S t a t u s	Objective 2:11: Create a directory of local suppliers and installers and promote them through an expo event		Justification: If the local area is to benefit fully from investments in renewable energy, it makes sense to highlight local suppliers and installers.		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
	=	Investigation by University of Chester Students	Sustainability, Wirral Council		

S t a	Objective 2:12: Highlight renewable energy tariffs in collective switching and related campaigns		Justification: There have been some recent collective switching campaigns designed to help consumers get a better deal from utility companies. There appears to be an opportunity to promote switching to		

t u s			renewable energy tariffs.		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
*	Specify a renewable energy tariff be provided as part of collective switching offers	Housing Strategy Wirral Council	Next collective switch Sep 14	Tariff offered in every collective switch	A renewable energy ("Green") tariff was offered in the Collective Switch in February 2016. Out of 178 Wirral households that switched to one of the tariffs offered three opted for the renewable energy tariff. There were 34 switches by Wirral households to Green Tariffs during the period June 16 to July 17 via the local switching campaigns. 24% of all switches in Wirral through the last Collective Switch in March 2017 were to the Green Tariff.

Goal: Substantially cut climate pollution associated with Wirral

Aim 3: Use more sustainable modes of transport, more fuel efficient vehicles and less polluting means of getting around

S t a t u s	Objective 3:01: Establish a Wirral cycle route network map and develop the network		Justification: The creation of - and awareness about - a cycle network is an important element in supporting cycle journeys		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Construction of cycle pathways / crossings etc. funded through the Integrated Transport Block (ITB)	Cycling, Wirral Council	Annual budget allocation	Construction completed	The following schemes were in the 2015/16 programme: Improved crossing facilities A41 / Pool Lane, Bromborough 770m of new cycleway and Improved crossing facilities A41 - Pool

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					Lane to Port Causeway, Bromborough
+	Construction of cycle pathways / crossings etc. funded through the Sustainable Transport Enhancement Package (STEP) funding. Cycle funding to regeneration and growth	Cycling, Wirral Council	-	Construction completed	The following schemes were in the 2015/16 programme: Dibbin Bridge Link; Wirral Waters Eastern Portal (Rendel Street); and Wirral Waters Eastern Sustainable Travel Links (Duke Street)
Completed					
=	Wirral Cycle map published and regularly updated	Cycling, Wirral Council	Map to be re-printed Sept '14	Published map	Map re-printed
*	Construction of cycle pathways through the Local Sustainable Transport Fund. Cycle links to businesses and to tourism sites	Cycling, Wirral Council	Until end of funding 2014/15	Construction completed	LSTF finished year end 2014/15. Construction completed on schemes Woodchurch Rd / Singleton Ave, Ellens Lane, Lever Causeway, A41 Croft Retail Link, A41 Torr Rd, A41 Caldbeck Rd, Pasture Road Link, The Fender, Boundary Rd, Birkenhead Road, Ivy Street, Bidston Link, Borough Road / Balls Road, New Brighton Marine Lake, and Bayswater Rd. Current cycle schemes are being funded through STEP (Sustainable Transport Enhancements Package).

S t a t u s	Objective 3:02: Promote cycle skills training, cycle maintenance and cycle security measures		Justification: Concerns about safety and security can be a barrier to the more widespread use of cycles.		
	Action	Lead	Timescale	Measure	Progress
	To progress, or on-going				
*	Dr Bike maintenance sessions held at businesses to provide a free service to employees bikes	Sustainable Travel Wirral Council	Initially to funding period March 2015	Number of sessions provided at	Project funding finished in March 2017.

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

			Programme extended to March 2017	businesses	
=	Bikeright to deliver Bikeability to National Standards in Wirral Schools.	Bike Right/ Road Safety Team, Wirral Council	Until end of school year summer 2016. Funding in place to end of school year 2017	Numbers of pupils trained	In 2015-16 academic year: SEN pupils: 67 pupils Level 2: 2028 pupils Level 3: 311 pupils Bikeability Catch up: 117 pupils Bikeability Plus: 227 pupils Bikeability Fix: 66 pupils Bikeability Learn to Ride: 64 pupils Bikeability Ride: 40 pupils

S t a t u s	Objective 3:03: New 20 MPH zones in residential areas to improve pedestrian and cycle safety		Justification: The speed of motor traffic can be a deterrent to pedestrians and cyclists.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress, or on-going</i>				
*	Instigate 20mph zones as casualty reduction schemes or via Constituency Committees.	Road Safety Wirral Council	As required	Number of schemes implemented	20 MPH zones now in place in eight areas: Ridgewood Drive area, Pensby Kylemore Drive area, Pensby Blackheath Drive area, Leasowe Sandbrook Lane area, Moreton Whitfield Lane area, Heswall Mill Park Drive (Part), Eastham Ingleborough Road area, Tranmere Church Road area, Upton.

S t a	Objective 3:04: Run an awareness campaign to discourage pavement parking and take enforcement action where necessary to improve the pedestrian environment	Justification: Pavement parking can create a more dangerous and restricted environment and act as a deterrent for walking journeys
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

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	Action	Lead	Timescale	Measure	Progress

S t a t u s	Direction of travel: Safer and more convenient routes for pedestrians		Justification: Creating safer and more convenient routes for pedestrians is likely to make walking a more attractive option		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Meet with local groups to promote walking and look at ways of overcoming challenges	Living Streets	March 2016	Questionnaires	Community Street Audits have taken place with 5 community groups across the Wirral between April 15 and March 16. Black and Ethnic minority groups were consulted through focus groups and questionnaires to establish barriers to walking in December 2015. Work with communities was funded to the end of March 2016 and has now ended.
*	Work with community groups, businesses or schools where a need for improvements has been highlighted or where existing issues exist.	Living Streets	Initial work funded to March 2016 Extended for businesses and schools to March 2017	Improvements identified	Project funding to support local Living Streets work finished March 2017 Five additional route audits were carried out between April 16 and March 17 to identify improvements in to help increase walking rates in the area (adding to the five audits previously completed). The recent audits included the areas around: Child Maintenance Group, Birkenhead 6th Form College, Summerhill Nursery, Parkwood Nursey and DWP Horden House.

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					Living Streets previously worked with over 60 Primary Schools, 13 secondary schools, 6 workplaces and 5 community groups to encourage more people to walk and improve walking routes.
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S t a t u s	Objective 3:05: Ensure that the majority of households are aware of journey planning tools		Justification: Increasing access to information about transport options and connections between them should help support more sustainable travel choices.		
	Action	Lead	Timescale	Measure	Progress
	<i>In progress or on-going</i>				
*	Merseytravel roadshows and education programme	Merseytravel	Ongoing	Merseytravel road shows Via Employers Network to Wirral organisations Via Education programme to secondary schools	Merseytravel's engagement team promote sustainable travel behaviour to a wide audience, specific programmes engage newly employed jobseekers, major and smaller employers, educational establishments including apprenticeship providers. This work is core and ongoing year on year. Journey planning tools are a key part of the offer promoted. The team also engage with the public via 50 roadshows per year, targeted to reach a Merseyside population of 5,000 individuals. This work is all on target for this year. There are now 73 organisations from Wirral in the employers network up from 41
	<i>Completed</i>				
*	Travel solutions – Team provides bespoke advice and information on travel from and within the East Wirral area, to help people who are entering employment. This could be:	Wirral Travel Solutions, Wirral Council	Initially funding period to 2014/15 Programme extended to	Number of solutions provided	Project funding finished March 2017 In 2016/17 Travel Solutions received 1606 referrals. From the 1606 referrals, 1455 (91%) of these were accepted as

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	<ul style="list-style-type: none"> • Personalised journey planning • Help with travel costs • Bike to work scheme • Scooter Commuter • Travel Training 		16/17		<p>meeting the criteria. Number of people receiving a travel card 833 Number of people receiving a cycle 296 Number of people receiving a Personal Journey Plan or Info / Advice 373 Number of people receiving Travel Training 46</p> <p>In 2015/16 Travel Solutions received 2201 referrals, 2008 (91%) met the criteria. Number of people receiving a travel card 1085 Number of people receiving a cycle 484 Number of people receiving a Personal Journey Plan or Info / Advice 392 Number of people receiving Travel Training 47</p> <p>2014/15 figures Total individual engagements: 2720 Total travel passes given out: 1252 Total bikes given out: 593 Total scooters given out: 9 Number of job seekers receiving personal journey plans: 474 Number of individuals receiving travel training: 45 Number of Maxi Taxi cards issued: 57</p>
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S t a t u s	Objective 3:06: Develop travel plans at key employment sites, leisure facilities and retail centres	Justification: Travel Plans are a way to manage travel to and from a site more effectively. They are commonly used to address growing congestion and improve travel choices.			
	Action	Lead	Timescale	Measure	Progress

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

<i>To progress or on-going</i>					
=	Consider travel plans received with planning applications	Planning, Wirral Council	Ongoing		
<i>Completed</i>					
*	Hold Walk Doctor events, walking challenges and do walking promotion in at least 5 local businesses before March 2016, engaging an average of 60 employees at each site.	Living Streets	Initially funded to March 16 Extended to March 17	Target achieved and evaluation completed	<p>Project funding to support local Living Streets work finished in March 2017 Over 250 walking pledges were signed across seven workplaces between April 2016 and March 2017. Walking promotion events were held at the Child Maintenance Group, Wirral Met College, Land Registry, Autism Together, Cherry Tree Shopping Centre, The Pyramids Shopping Centre and Dept of Work and Pensions (Horden House).</p> <p>Previously a Walk Doctor event at Premier Foods engaged 50 staff, walking promotions had taken place in at least five other business and online challenges promoted during walk to work week in May.</p> <p>Over 350 employees had been directly engaged in walking activities throughout Living Streets 'Walk to' project funded by the LSTF extension fund until March 2016.</p>
*	Promote walking maps during business engagement events	Living Streets	Until end of funding 31st March 16 General employers walking programme extended to March 2017	Uptake of maps	<p>Project funding to support local living streets work finished in March 2017 Previously Living Streets helped to distribute the Council's walking maps at activities and events throughout the year.</p>
*	Run WoW (Walk once a Week) in 55 primary schools	Living Streets	Until end of school year	Hands up questionnai	Project funding to support local living streets work finished in March 2017

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

			summer 2016 Extended to July 2017	res	A further 11 primary schools were recruited to take part in the WOW year round walk to school programme between April 16 and March 17. The total number of Wirral Primary schools that have taken part in WOW since funding began in Sept 2012 is over 90.
=	Run (FyF) Free your Feet walking challenge in 10 secondary schools	Living Streets	Until end of funding 31st March 16 Extended to March 17	Hands up questionnaires	Project funding to support local living streets work finished in March 2017 A further five secondary schools took part in FYF between April 16 and March 17. Previously 10 Secondary schools had run Free your Feet events between April 2015 and March 2016. The average increase in walking rates during the week of the challenge was 20% (3 mins per person). Wirral Grammar (Girls) and Calday Grammar increased their walking rates by 31% (5 mins per person).
*	Baseline travel surveys	Sustainable Travel, Wirral Council	Until end of funding 2014/15 Programme extended to 2015/16	22 surveys undertaken (782 staff a 19.5% response rate)	The Business Travel Support team worked with employers up until March 2017. During 2016/17 they engaged with 62 businesses. 27 surveys undertaken (2764 staff a 19% response rate) SOV 57.9% Car share 13.7% Bus 10.9% Walk 6.7% Train 4.8% Bicycle 4.2% Follow up surveys with 6 businesses with 329 participants
=	Travel plans developed with businesses through business travel support funded by the LSTF/Public Health	Sustainable Travel, Wirral Council	Until end of funding LSTF 2014/15. Programme extended with	20 travel plans developed	21 Travel plans completed and signed off

			support from Public Health March 2017		
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S t a t u s	Objective 3:07: Complete the introduction of secure cycle parking at all Wirral railway stations		Justification: Improvements in cycle parking facilities at stations make it more convenient for combined cycle and rail journeys			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	+	Explore the prospects for bike stores similar to those installed on the Merseyrail network at Wirral stations on the Bidston line	Transport, Wirral Council	2017/18	Feasibility of bike stores confirmed	
	<i>Completed</i>					
=	Introduction of secure and sheltered cycle parking at Wirral stations	Merseyrail	2014/15	Bike stores built	Bike stores now at Bebington, Bidston, Birkenhead Central, Birkenhead North, Birkenhead Park, Bromborough, Bromborough Rake, Conway Park, Eastham Rake, Green Lane, Hamilton Square, Hoylake, Leasowe, Manor Road Meols, Moreton, New Brighton, Port Sunlight, Rock Ferry, Spital Cycle, Wallasey Grove Road and West Kirkby.	
=	Bike hire at select Wirral stations	Merseyrail	Ongoing	Bikes hire facilities introduced	'Bike and Go' introduced at Bidston, New Brighton, West Kirby, Port Sunlight. Plans for Hamilton Square abandoned	

S t a t u s	Objective 3:08 Introduce local bus quality partnerships to extend the co-ordination of timetables and ticketing between operators		Justification: Bus quality partnerships provide a means to better integrate services provided by rival operators to make them more convenient and attractive to users		
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

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	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
+	Bus alliance agreement	Arriva, Stagecoach and Merseytravel	Sept 2016	Agreement in place	Arriva, Stagecoach and Merseytravel have signed a new Bus Alliance agreement in Sept 2016 that will deliver more than £25m worth of investment in bus services in year one of the five year partnership

S	Objective 3:09: Promote the development and uptake of flexible ticketing options and ensure the introduction of new ticket systems include consideration of the opportunities for new flexible ticket products.		Justification: Convenient and flexible ticketing can make public transport journeys more attractive		
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	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
=	Implementation of 'Walrus' travel card system - an electronic version of the Saveaway ticket is being rolled out initially	Merseytravel	Autumn 2014	Use of cards	Merseytravel's smart ticketing scheme is already the most active outside London: over a million tickets have been sold on Walrus cards since they launched in November 2014. The tickets currently available include pre-paid weekly and adult four-weekly Solo tickets which can be used on any bus across Merseyside, and Saveaways – the off-peak day ticket for buses trains and ferries. There are plans for more tickets to go 'smart' including some commercial operators' weekly bus tickets and Merseyrail tickets. There are also plans for the introduction of carnet tickets for bus travel. These will allow people to load a number of tickets on their cards for use on non-consecutive days, making them particularly suitable for part time

					workers. Walrus cards can be 'loaded' at around 800 PayPoint outlets across Merseyside, which has more than doubled the number of places from which Saveaways can be purchased and has significantly increased the availability of Solos, which were originally available from only 50 outlets.
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S t a t u s	Objective 3:10 Establish a network of publicly accessible electric vehicle charging points with at least one rapid charger to serve the strategic road network		Justification: If electric vehicle use is to grow, there is a need for an adequate network of charging facilities. Electric vehicle use can help reduce climate pollution – assuming the carbon intensity of grid supplied electricity continues to fall.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	*	Investigate the potential for future bids / funding streams	Sustainable Travel, Wirral Council	Ongoing	Successful bids	Merseytravel are considering putting the recharge network out to tender for a third party to run, expanding the network will be reviewed as part of the tender process
	*	E-Vehicle Charging Strategy to establish 11 publicly available electric charging points	Merseytravel	On-going		There now 40 publically available Recharge posts in the Liverpool City Region
<i>Completed</i>						
=	Implement OLEV funded charging points on public sector estate	Sustainable Travel, Wirral Council	Until end of funding 2014/15	Introduction of charging points. Measure use of charging points	Charging points have been put in at: Cleveland Street (x2), Treasury Building Elgin Way and Wallasey Town Hall. Plans for charging points at Marine Promenade, Green Lane and West Kirby Concourse were abandoned. 348 charging sessions had been recorded at end of August 2016	

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

+	Implement charging points on police estate initially to support introduction of electric despatch vans. Whilst not for public use, the programme contributes to supporting electrification of the vehicle fleet.	Merseyside Police		Charging points established	In Wirral, charging posts established at Bromborough and Wallasey Police Stations for police use
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S t a t u s	Objective 3:11: Promote the availability of ‘alternative’ fuels at filling stations through online maps	Justification: Alternatives fuelled vehicles can help reduce climate pollution. Increasing knowledge about the location of filling stations that offer alternative fuels makes the use of alternative fuelled vehicles more likely.			
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
=	Back office and online support for public electric charging points so that the public can see whether a car charging point is available.	Merseytravel	On-going	Website hits / use of charging points	All Recharge posts are linked to the ‘Charge Your Car’ back office portal which means any EV driver can use the posts

S t a t u s	Objective 3:12: Create a directory of local suppliers of alternative fuelled vehicles and vehicle converters and promote these through an expo event	Justification: If Wirral is to benefit fully from investments in the transition to more sustainable travel, it makes sense to highlight local suppliers and converters of alternative fuelled vehicles and fuels/charging points			
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
+	Explore potential for electric vehicle showcase via the low carbon sector forum	Wirral Chamber of Commerce	December 2017		
	<i>Completed</i>				
=	Investigation by University of Chester Students	Sustainability, Wirral Council			Survey undertaken but limited response

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

<i>Abandoned</i>					
=	Hold an event for electric vehicle expo for taxi drivers	Merseytravel	N/A	Expo held	Taxi expo was planned but never held. Green fuel event took place at Aintree in Feb 2015, although this wasn't explicitly aimed at taxi drivers. No current plans to pursue an electric vehicle expo for taxi drivers as feasibility study into EVs was quite negative.

S t a t u s	Objective 3:13: Promote smarter driving tips and techniques		Justification: The manner in which people drive can make a big difference to fuel use and resultant pollution produced. Promoting smarter driving should help improve efficiency and reduce pollution.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
=	Mind Your Business Project– offers driver training sessions (practical and theory) which include safer and more economical driving advice	Road Safety, Wirral Council	Until end of funding March 2016. Extended to March 2017 (funded by Public Health)	Take up of sessions	The project showed impressive growth in engagement between 2015/16 and 2016/17 In 2015/16, 190 attended theory sessions and 260 attended lunch time learning sessions. In 2016/17 this had grown to 470 for theory and 2100 for lunch time learning Funding ended in March 2017 but in view of the importance of the initiative and to build on the good work to date, it is still being developed with a charging structure introduced for attendance at seminars.
<i>Completed</i>					
=	Smarter driver leaflet produced	Sustainable travel, Wirral Council	Ongoing	Number of leaflets	Distributed through ongoing business travel support engagement

				distributed	
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S t a t u s	Objective 3:14: Promote car sharing for journeys when applicable		Justification: Sharing journeys can help cut traffic congestion and the associated pollution		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Car sharing promoted where applicable through business travel support team	Sustainable Travel, Wirral Council	Until end of funding 2014/15 Extended for 2015/16	Mode share of staff car sharing will be measured through travel surveys	Funding for the Business Travel Support team ended in March 17 2014/15 stats, driving assessments offered: 2235 sessions offered 5 delivered
+	Introduce car sharing database as a trial at new facility in Speke with a view to wider roll out across the Merseyside police.	Merseyside police	2018	Database established	

Goal: Substantially cut climate pollution associated with Wirral

Aim 4: Reducing the indirect negative impacts that our decisions have for climate pollution in Wirral and elsewhere

S t a t u s	Objective 4:01: Host a green procurement fair to promote the greening of local supply chains and encourage the spread of environmentally sensitive procurement practice		Justification: Purchasing decisions can have many indirect impacts including those on climate pollution.		
	Action	Lead	Timescale	Measure	Progress
	<i>Abandoned</i>				

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

*	SME engagement regarding event. Support with promotion and venue.	Wirral Chamber of Commerce	To be determined		No lead to organise the event. Should a lead be identified support could be provided.
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S t a t u s	Objective 4:02: Promote local inter-trading to shorten supply chains through Invest Wirral and local trade associations		Justification: Shortening supply chains can limit climate pollution by reducing unnecessary transportation.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress, or on-going</i>				
*	Promote business to business inter-trading and collaborations via Wirral Chamber of Commerce relationship managers	Wirral Chamber of Commerce	Ongoing		Developing local connections is core to Wirral Chamber business engagement work. In financial year 2016/2017 the chamber engaged with 647 businesses. These meetings are used to discuss business support, growth projects and opportunities for local trading and collaboration.
+	Organise 'Meet the buyer' events	Wirral Chamber of Commerce	Ongoing		A 'meet the buyer/local supplier' event for the construction sector was organised in January 2017. This event attracted 85 attendees from local construction businesses, allowing them to find out about opportunities in the sector and to understand the requirements for local businesses to enter these supply chains
	<i>Completed</i>				
*	Businesswirral.com online platform exists to promote and support local inter-trading. Businesses can use this to find local providers of goods and services. Improvements to this system will enable greater number and range of	Wirral Chamber of Commerce	Completed		Wirral Chamber no longer manages Businesswirral.com

opportunities to be realised.				
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S t a t u s	Objective 4:03: Reduce the need to travel through online working or online meetings		Justification: Modern technologies enable transactions and interactions to take place on-line reducing the need to travel along with the associated climate impacts of this travel.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	+	Implement Skype to business to enable Merseyside police to conduct more business through online video communication	Merseyside Police	2018	Video communication facility enabled	
	<i>Completed</i>					
=	Leaflet for businesses	Sustainable Travel Wirral Council	Until end of funding 2014/15	Dissemination of leaflets	Leaflet produced and ongoing dissemination	

S t a t u s	Objective 4:04: Create a recognisable brand to aid the development of Wirral’s local food movement and promote the consumption of local and seasonal produce		Justification: Wirral has an emergent local food movement. Developing a clear brand should help develop this movement and promote the consumption of local and seasonal produce.			
	Action	Lead	Timescale	Measure	Progress	
	<i>In progress or on-going</i>					
	+	Initiate discussions with Wirral Food & Drink network concerning future development of Better Food Wirral	Public Health			
	*	Monthly West Kirby farmers’ market and local food newsletter	TTWK Core Group & Mellow Yellow	Ongoing	Number attending farmers’ market	Market now has 30 regular stalls, and the newsletter has a monthly circulation of about 1500

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

				Number of downloads of local food newsletter	
=	Promote local food foraging, seed swaps and re-skilling	TTWK Food Group, Incredible Edible Mellow Yellow	Ongoing		ongoing
*	Love Food Hate Waste [Campaign objective is to get people to reduce the amount of food they waste]	MRWA	2012 onwards	Tonnes	MRWA continues to promote food waste reduction through the national LoveFoodHateWaste campaign. The current campaign is all about lonely food and maybe organising a date with other lonely food? Like single spud would like to meet up with leftover cheese - that would be grate! http://recycleformerseyside.com/food-waste/find-food-perfect-match/ A Waste Composition Analysis (2010) identified that 109,000 tonnes (28%) of food waste was disposed in household bins. The 2016 analysis identified that food waste in household bins has increased to 39% (148,000 tonnes). For Wirral, this means that in the residual (28,228 tonnes), dry recycling (265 tonnes) and garden waste (156 tonnes) bins collectively, there was a total of 28,649 tonnes of food waste discarded. Equivalent to 19,195 tonnes of carbon emissions as most would have ended up in landfill.
*	Mersey Munchers	Children's Food Trust/MRWA	2015 onwards	Tonnes	Mersey Munchers, the local food group of the national Children's Food Trust, successfully bid into MRWA's Community Fund for 2017/18. They will be delivering cascade training, cookery skills and helping people to prevent food waste and save money at the same time.

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

<i>Completed</i>					
*	Better Food Wirral identified as brand for local food movement	Public Health, Wirral Council	April 2014		Brand now established. A company called SO-MO was commissioned in June 2015 to start to further promote the work of Better Food Wirral. Better Food Wirral is now established as a brand with website and active social media. Funding is in place to continue this work through 2017/18
=	Priorities identified as – increase access to good food, supporting the local food market to thrive, allowing people to make good food choices	Public Health, Wirral Council	April 2014		Priorities are still relevant- move to look at adapting these priorities in different settings e.g. hospitals, care homes, schools etc.
=	Great Grove Street ‘eco pie’ harvest event	Eco Schools, Wirral Council	October 2014		Successful event held. To be followed up October 2015 with an ‘eco pudding’ event
=	Eco-pudding harvest event	Eco Schools, Wirral Council	October 2015		Successful event held.
<i>Abandoned</i>					
*	‘Eco pie’ harvest event 2016	Eco Schools, Wirral Council	October 2016		Abandoned due to too many eco projects taking place in 2016/17
*	Work with VCFS such as luncheon clubs, to source food locally	Community Action Wirral			CAW is still looking to secure support to work with luncheon clubs. Due to changes to DASS funding this has been postponed.
*	Establish Better Food Wirral Steering Group to influence agenda.	Public Health, Wirral Council	On-going		Establishing this group has proved difficult. Focus is now to progress Better Food Wirral agenda via Food and Drink network

S t a t u s	Objective 4:05: Develop community cultivation on suitable vacant or underutilised land through: asset transfer to create allotments, land sharing and cultivation agreements	Justification: Growing demand for allotments has seen new sites brought into use - although Wirral still has below average allotment provision. The demand for land for growing might also be met through land sharing and cultivation agreements
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Better Food Wirral Innovation Fund available to community groups to promote innovate projects such as land sharing etc.	Public Health, Wirral Council, Community Action Wirral	August 2014 Second round of funding in 2016/17		A further six food projects were funded in 2016/17 round following support for six projects in the first funding round
*	Seek funding opportunities for tarmac to cultivation raised beds project	Eco Schools, Wirral Council		Opportunities identified	School grounds workshop 'making the most of your space' held in April 2017. Have now developed moveable allotments (boxes on wheels). Developed Ugandan gardens for schools to grow and compost efficiently utilising up-cycled materials
=	Promote locally grown food through Incredible Edible, Apple avenue and allotments	TTWK Food Group, Incredible Edible, Mellow Yellow	Ongoing		Ongoing
	<i>Completed</i>				
=	Public Health meeting with Local Authority colleagues re: better use of allotments and green spaces	Public Health, Wirral Council	Ongoing		A meeting has been held with a view to developing a strategy on this.
=	Big Picnic Project in West Wirral distributing baskets of seeds and plants for schools and community groups to grow, culminating in a big picnic at Thurstaston	Eco School, Wirral Council	October 2015		Event held July 2015 in Thursaston Country park
	<i>Abandoned</i>				
*	Seek to develop council managed land situated at Slatey Rd as a teaching centre for cultivation for both adults and children.	Wirral Environment Network			Abandoned due to lack of progress resolving legal matters to enable the use of the land by WEN

S t a t	Objective 4:06: Create a directory of local food producers and promote these through an expo event.	Justification: If Wirral is to benefit fully from the transition to more local and seasonal food system it makes sense to highlight local producers
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Wirral Climate Change Group – rolling Action Plan – Version at August 2017

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s	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
+	Develop profiles of local food producers on Better Food Wirral website through stories and other content	Public Health, Wirral Council			The website is being maintained by So-mo with regular content and features added
*	Monthly West Kirby farmers' market and local food newsletter	TTWK Core Group & Mellow Yellow	Ongoing	Number attending farmers' market Number of downloads of local food newsletter	Market now has 30 regular stalls, and the newsletter has a monthly circulation of about 1500 (1484 in Aug 17).
	<i>Complete</i>				
*	Investigation by University of Chester Students	Invest Wirral, Wirral Council			Survey undertaken but limited response
	<i>Abandoned</i>				
=	Better Food Wirral to hold four food exchange events in September with the idea of promoting local community projects and creating a network/directory of food producers/ suppliers etc.	Public Health, Wirral Council	September 2014		The food exchange events did not happen, due to the contract for the communications plan going out to tender. A company called SO-MO was successful and have held a co-production event looking at how the network would like to communicate.

S	Objective 4:07: Ensure climate change issues are reflected in Wirral's local food programme		Justification: There are many connections between climate and food. Our current energy intense food system is a problem for climate pollution and changes in the climate will have an impact on food production. The creation of a local food programme presents an opportunity to consider and address food-related climate issues		
t	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Develop Better Food Wirral network	Public Health, Wirral	Ongoing		Contract awarded to SO-MO is to

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

		Council			establish a network both physically and virtually - to include the sustainability officer - and to focus on developing sustainable cities agenda locally through the Better Food Wirral network. Public Health is regularly represented at the climate change group so issues can be reflected in food work as appropriate. Funding in place to maintain networking via website and social media for 2017/18
=	Make the connection between local food and the distance (Food miles) that some produce travels with respect to carbon emissions	MRWA	On-going	CO2 emissions	Supported university food technology modules
=	Promotion of OLIO.		Start date Sept 16	Tonnes of food diverted / CO2-e avoided	OLIO is an online Food Sharing App that connects people with unwanted food to those that would like to make use of it. https://olioex.com/

S t a t u s	Objective 4:08: Highlight the benefits of reducing consumption of meat		Justification: Meat forms an important part in the nation's diet. However, there are some concerns about excessive meat consumption and its consequences. The energy intensity of dominant meat production processes and emissions from ruminant livestock pose some climate concerns.		
	Action	Lead	Timescale	Measure	Progress
	<i>In progress or ongoing</i>				
*	Highlight links to relevant resources and materials via social media and web pages	Sustainability, Wirral Council	ongoing		Nine tweets posted during 2016/17
*	Encourage take up of Meatless meals work developed at St George's Primary	Eco Schools, Wirral Council	ongoing		On-going project across eco schools Meat free meals work has spread across most primary schools. Edsential now offer a meat free Monday option.

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

<i>Completed</i>					
=	Presentation to Wirral Climate Change Group on Meatless meals work developed at St George’s Primary	Wirral Climate Change Group	December 2015	Presentation given	Presentation given

S t a t u s	Objective 4:09: Bring forward new initiatives - and strengthen existing ones - to reduce waste and encourage the re-use of materials		Justification: The ‘waste hierarchy’ highlights the importance of waste reduction and re-use.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress of on-going</i>				
=	Use WARP-IT portal to reduce waste of surplus Trust materials and furniture	CWP NHS Trust	Ongoing	-	The introduction of WARP-IT has seen savings of over £178,000 in avoided costs and related waste savings in the last two years at Cheshire and Wirral NHS Foundation Trust. Staff are starting to put items they no longer need on the system themselves for other staff to

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					claim. The Trust has 10 charity partners who have benefited from donations of surplus items. The Trust is introducing a loan facility via WARP-IT for high value items that can be shared with teams for events, e.g. Mascot costumes and bikes, gazebos etc.
*	Merseyside Textile Forum Events. Partners include MRWA, national and local charities and local community groups	Merseyside Textile Forum	On-going	Tonnes	In late 2016, The Merseyside Textile Forum became an interactive online portal for members old and new. MRWA no longer leads the forum. The recent 2016 Waste Compositional Analysis identified that textile material being disposed of via the household bin has fallen by almost 4,000 tonnes to 17,000 tonnes. This remains too much and could go to better uses.
=	Promote national 'Love your clothes' and 'Pass it on' campaigns that encourage repair and re-styling of old clothes.	MRWA		Tonnes	
=	Develop Really Useful Skills Hubs (RUSH) across the region. RUSH will include re-use, repair and upcycling of unwanted household items. A networks of third sector organisations, community groups and volunteers will come together to swap ideas and support skills and training opportunities.	MRWA	April 2015	Tonnes	A pilot study is in progress to seek partners and develop the project
*	To continue to distribute 'Junk the Junk Mail stickers at events and via requests.	MRWA	April 2014	Tonnes	Junk mail continues to be a particular pet hate of residents. MRWA still get regular requests at events and by phone and email.
=	Publishing Wirral recycling directory	TTWK core group in association with Wirral Environment Network	Ongoing		Ongoing

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

*	Carry out audit of current schools waste collection provision and develop plan for future collections.	Waste & Environmental Services, Wirral Council	End March 2017	Audit completed, plan developed and approved for implementation.	Audits have been completed at the majority of schools, with just those with more complex issues left. 75% of Wirral's schools are now recycling at least 50% of their waste, compared with only 19% in 2015/16. Next steps to include completing the audits still outstanding and promotion of the ReFood collections of food waste from schools, to further increase diversion from landfill.
+	Establish relationship with service provider to maximise re-use of surplus furniture arising from estate rationalisation	Merseyside Police			Contract established with 'Total re-use CIC
+	Promotion of linked council, school and voluntary sector Warp-it portals to encourage growth in participation and use.	Wirral Council, Community Action Wirral, eco schools	August 17- July 18	Growth in membership and transactions	
+	Maintain WARP-IT portal for voluntary and community sector organisations in Wirral	Community Action Wirral			
Completed					
*	'Donate and Create Change' project to utilise four community hubs to act as 'pop up' charity shops to resell donated goods and stop them going to landfill	Community Action Wirral			Donate and Create change ended in September 2015 but during its 1 year it engaged 2127 people in recycling goods. Since then some of the hubs have closed as the pilot helped us realise that the location wasn't ideal but the Wallasey shop continues to go from strength to strength.
=	Develop a Wirral Waste Strategy – setting out Wirral's aim of recycling 50% of household waste by 2020	Waste & Environmental Services, Wirral Council	End 2015	Strategy agreed by Cabinet	Completed – approved at Cabinet, 17th December 2015
+	Commence options appraisal exercise, to consider future waste management arrangements for households in Wirral	Waste & Environmental Services, Wirral	FBC due to Cabinet	Preferred option agreed by	Options appraisal completed and full business case has been written with an accompanying report. Currently

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

		Council		Council for implementation	scheduled to be heard by Cabinet in Autumn 2017 for a decision on Wirral's future domestic waste management preferred option.
+	Full public consultation regarding shortlisted final two waste management options	Waste & Environmental Services, Wirral Council	25th July 2016 – 9th September 2016	Report results of consultation as part of FBC	Consultation was completed in September 2016, for inclusion in the Full Business Case for the Future of the Domestic Waste Management System. This is now awaiting publication.
+	Launch a new 18-month recycling information campaign based on WRAP's "Good to Know" campaign.	Recycling Team and PR, Wirral Council	November 2015 – March 2017	Recycling %	Good to Know campaign has finished. Unfortunately, there has been no increase in recycling and in fact, recycling has decreased again in 2016/17 to 35.9%. This is a national trend and is further evidence that service change will be required for Wirral to reach 50% recycling by 2020. Contamination at the sorting facility has decreased however, from an average of 10.05% in 2015/16 to 9.9% in 2016/17. A targeted communications campaign will be launched in 2017/18.
*	Develop school 'Big Bin' challenge	Eco Schools, Wirral Council	July 2017	Number of schools reducing waste collection.	75% of schools at 50% recycling or above - was 19% two years ago
*	Introduce WARP-IT portal to reduce waste of surplus council materials and furniture	Facilities management and Sustainability, Wirral Council	September 2015 – 2016	-	The system went 'live' in December 2016 with publication of information about Warp-it on the Council's intranet. At July 2017 80 staff had registered. Following the launch there were several transactions recorded in December 2016 and January 2017 but there has been limited activity since. Surplus items from storage that had initially been listed had 'expired' and were not immediately re-listed. This meant little was available to claim. Surplus stock held in storage has

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					recently been added in July 2017. Further promotions are now planned.
*	Establish a WARP-IT portal for voluntary and community sector organisations in Wirral	Sustainability, Wirral Council and Community Action Wirral	Autumn 2016	-	After some delays due to staff changes the portal went live in July 2017. Promotion of the portal at www.warp-it.co.uk/caw is now planned
*	Establish a WARP-IT portal for Wirral Schools	Sustainability and Eco Schools, Wirral Council		-	39 people registered on portal at July 2017. 4 interactions recorded with surplus claimed between schools and between council and schools portal
=	Wirral Earth Fest focus on not using plastic bottles, recycling and activities such as the community art project which will reuse plastic to make a banner	TTWK core group. Mellow Yellow	September 2015	Uptake of water from sources provided. Successful recycling	Wirral Earth Fest 2015 held. Recycled banner made. Festival included a dedicated recycling and rubbish area and a water station do dispense water into compostable cups, rather the disposable plastic bottles.

S t a t u s	Objective 4:10: Encourage the use of sustainability appraisal to ensure climate sensitive decision making and utilise the skills of stakeholders in the Wirral Climate Change Group		Justification: Concerns were expressed during the consultation process that some strategies, plans and decisions are contradictory. Sustainability appraisal is a means to check the compatibility of strategies, plans and policies with commonly accepted sustainability criteria		
	Action	Lead	Timescale	Measure	Progress

S t a t u s	Objective 4:11: Ensure the policies of Wirral's Core Strategy Local Plan (and related supporting documents) that help minimise climate pollution are implemented		Justification: The Local Plan has several policies that can help minimise climate pollution. Some concerns were expressed during the consultation that these need to be implemented.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
	*	Progress the Core Strategy Local Plan	Planning, Wirral	Adoption of	Core

	and supporting Supplementary Planning Documents to adoption	Council	Core Strategy Local Plan and SPDs before end of 2016. Site specific Local Plan to follow	Strategy found “sound” at Examination	Scope of SPDs subject to consultation in 2013. Following further consultation on housing needs and land supply, the Council is undertaking a wider review of development options before deciding on the final sites to be included for development in the Core Strategy Local Plan. The Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in the first half of 2019 and adopted by 2020
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Goal: Adapt Wirral to unavoidable climate change

Aim 5: Identify risks and vulnerabilities from expected changes and bring forward plans and actions to limit negative impacts and improve resilience

S t a t u s	Objective 5:01: Develop a co-ordinated adaptation response through Wirral’s climate partnership		Justification: Co-ordinated work on adaptation is less well developed than that on mitigation. It makes sense to utilise the existing partnership to develop coordinated adaptation work further.		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
	=	Present results of updated local climate impact profile to Wirral Climate Change Group	Sustainability, Wirral Council	June 2015	Presentation
=	Present emerging Wirral Council Severe Weather Action Plan to Wirral Climate Change Group	Health, Safety and Resilience, Wirral Council	To be determined	Presentation	A presentation was due to be given to the group in June 2016 but was cancelled and a short written report tabled instead.
S t	Objective 5:02: Engage key stakeholders in a risk assessment process using UKCIP’s adaptation wizard to identify risks,		Justification: One of the key initial steps in any adaptation response is to consider existing risks and vulnerabilities. The UK Climate Impacts		

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

a t t u s	vulnerabilities and priority actions		Programme has developed a variety of tools to assist such an assessment		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Organise climate change resilience event	Sustainability, Wirral Council, Chamber of Commerce	2017		Following the cancellation of the workshop for SMEs planned for June 2016 due to limited bookings, work is now in progress with a view to running the workshop in autumn 2017
+	Update Wirral Council severe weather 'concept of operation' to include proactive actions for the medium and longer terms to cover adaptation to climate change.	Health Safety and Resilience, Wirral Council		Updated concept of operation	
*	Consider potential for using the tool as part of the Local Plan evidence base	Planning, Wirral Council	Adoption of Core Strategy Local Plan and SPDs before end of 2016. Site specific Local Plan to follow	Core Strategy found "sound" at Examination	Core Strategy at Pre-Submission Stage, Scope of SPDs subject to consultation in 2013. Following further consultation on housing needs and land supply, the Council is undertaking a wider review of development options before deciding on the final sites to be included for development in the Core Strategy Local Plan. The Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in 2019 and adopted by 2020
	<i>Completed</i>				
=	Share updated local climate impacts profile with key stakeholders	Sustainability, Wirral Council	June 1015	Update shared	Updated draft produced and shared at June 2015 Wirral Climate Change Group meeting. Local climate impact profile also featured in Wirral JSNA
*	Develop severe weather plan for Wirral Council to manage risks to service disruption from severe weather episodes	Health Safety and Resilience, Wirral Council	August 2015	Plan in place	A severe weather plan 'concept of operation' was developed. Following staff changes this concept of operation will now be revisited with a view to an

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

					update that includes proactive action in the medium and longer terms to adapt to climate change.
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S t a t u s	Objective 5:03: Produce community-specific adaptation information		Justification: Climate adaptation requires a response from households, business and community organisations. Different communities in Wirral may face specific climate-linked challenges. For example, some may be at risk of flood others vulnerable to transport disruption. The provision of community specific information should help encourage an appropriate adaptation response.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
*	Maintain and develop the Climate & Health content in Wirral JSNA	Public Health / Sustainability, Wirral Council	On going Bi-annual	JSNA section is updated periodically based upon contributions and active involvement of Climate Change Strategy Group and others	2 nd update completed and published
*	School flood risk project - Schools in flood risk areas will take part in a day long workshop looking at issues and ways they can mitigate problems such as sustainable drainage, swales, flood zones, wetland areas, community hubs. Schools will experiment in the morning then draw up plans in the afternoon.	Eco Schools, Wirral Council	To be determined	Workshop held	Postponed subject to seeking agreement from Merseyside forum to ensure project has maximum benefit across the city region
	<i>Completed</i>				
*	Explore potential to use capital programme funding to implement ideas	Sustainability and Parks & Countryside,			Agreement in principle to explore design options for education centre for

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	from Resilient Parks Project	Wirral Council			Birkenhead Park. Surface water investigation at Coronation Park completed to help examine ideas from resilient parks project
=	Implement the CLASP funded Wirral Resilient Parks project to survey five sites with existing weather impacts in order to develop potential alternative management regimes that might be applied more widely in anticipation of further impacts from climate change	Parks & Countryside, Wirral Council	March 2015		Five sites reviewed Friends groups involved. Project report completed and disseminated
=	Develop schools climate convention workshop linked to Resilient Parks project	Eco Schools Wirral Council	December 2014		Workshop held. St Alban's and Heswall Primary took part in Resilient Parks session

S t a t u s	Objective 5:04: Promote awareness of the links between climate change and health so that local health planning takes climate issues into account		Justification: Anticipated unavoidable changes in the climate will have implications for health and health provision. The links between health and climate change and the need for action in these areas were both highlighted in the strategy consultation.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Maintain and develop the Climate & Health content in Wirral JSNA	Public Health / Sustainability, Wirral Council	Ongoing Bi-annual	JSNA section is updated periodically based upon contributions and active involvement of Climate Change Strategy Group and others	2nd update completed and published

S t a t u s	Objective 5:05: Promote the use of porous materials in gardens, driveways and landscaping schemes and the use of green roofs and walls in buildings to limit run-off, provide shade and ameliorate temperatures		Justification: ‘Hard’ impermeable building and surfacing materials can speed rainfall run-off so contributing to flooding. Such materials can also store heat energy contributing to an ‘urban heat island’ effect where urban areas become hotter than the surrounding rural hinterland. Alternative porous surfaces and ‘living’ structures that incorporate plant life can help reduce these problems. Planning regulations already cover use of impermeable materials for paving over front gardens. From April 2015 the Government requires that Local Planning Authorities ensure that for developments of 10 dwellings or more; or equivalent non-residential or mixed development, sustainable drainage systems for the management of run-off are put in place, unless demonstrated to be inappropriate.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
*	Implement the new requirements for Sustainable Drainage Systems in new developments	Planning, Wirral Council	From April 2015		On-going. Detailed technical guidance for developers on sustainable drainage and surface water management now on planning pages of Council web site.

S t a t u s	Objective 5:06: Promote water saving practices and the use of rainwater harvesting systems		Justification: The importance of water saving was highlighted through the consultation process. With longer dry spells and the potential for drought anticipated, there is a need to adopt water saving practices. Rainwater harvesting systems can reduce demand for mains supplied water and divert rainfall to storage during periods of intense rain.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
*	Promote water saving as part of eco schools review	Eco Schools, Wirral Council			Water saving featured as part of the 2016/17 cool climate challenge
*	Incorporate findings of Wirral Water Cycle study 2013 into Planning Policies in Core Strategy Local Plan and guidance in Supplementary Planning Documents as appropriate	Planning, Wirral Council	Adoption of Core Strategy Local Plan and SPDs before end of 2016. Site	Core Strategy found “sound” at Examination	Core Strategy at Pre-Submission Stage, Scope of SPDs subject to consultation in 2013. Following further consultation on housing needs and land supply, the Council is undertaking a wider review of development options before deciding on

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

			specific Local Plan to follow		the final sites to be included for development in the Core Strategy Local Plan. The Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in 2019 and adopted by 2020. A baseline Local Plan and Community Infrastructure Levy Economic Viability Study was published in 2014. This work is to be updated in early 2018 as part of current development options review.
+	Schools leak detection programme 2017/18	Building Services, Wirral Council	School summer holidays 2017		
+	Wirral Council Water Management Programme 2017/18	Building services, Wirral Council			
Completed					
=	Schools leak detection programme 2015/16	Sustainability, Wirral Council	School summer holidays 2015		Schools were visited and water meter readings taken. This highlighted some schools with higher usage including a site which needed the urinals controls replacing. Also bursts were highlighted during this monitoring process.
*	Schools leak detection programme 2016/17		School summer holidays 2016		School readings were taken over the holidays and sites with higher usage were highlighted via this process. Leak detection was carried out and burst claims were submitted when possible.
=	Wirral Council Water Management Programme 2015/16	Sustainability, Wirral Council			Ongoing water monitoring has been carried out by looking at the billing data and focusing on water consumption then reacting when higher usage is identified.
+	Wirral Council Water Management Programme 2016/17	Sustainability, Wirral Council			Ongoing water monitoring has been carried out by looking at the billing data and focusing on water consumption then reacting when higher usage is identified.

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

S t a t u s	Objective 5:07: Raise awareness of the role of the natural environment in combating adverse impacts in order to support investment in Wirral’s green infrastructure and green and open spaces strategies		Justification: Local green infrastructure and parks and open spaces strategies have an important role to play in local adaptation to a changing climate. Green and blue ‘infrastructure’ (e.g. gardens, parks, verges, trees and hedges; ponds, lakes, rivers and streams) provide a range ‘services’ important in climate adaptation (e.g. managing flooding by reducing surface runoff, providing natural storage and slowing water movement; and managing temperatures through evaporative cooling and shade).		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
*	Planning Policies in Core Strategy Local Plan and guidance in Supplementary Planning Documents to provide guidance to plan positively for the creation, protection, enhancement and management of networks of biodiversity and green infrastructure	Planning, Wirral Council	Adoption of Core Strategy Local Plan and SPDs before end of 2016. Site specific Local Plan to follow	Core Strategy found “sound” at Examination	Core Strategy at Pre-Submission Stage, Scope of SPDs subject to consultation in 2013. Following further consultation on housing needs and land supply, the Council is undertaking a wider review of development options before deciding on the final sites to be included for development in the Core Strategy Local Plan. The Core Strategy Local Plan and accompanying draft Supplementary Planning Documents are due to be re-published for public consultation in 2019 and adopted by 2020.

S t a t u s	Objective 5:08: Seek funding to extend Wirral Green Streets-type projects in the east of Wirral		Justification: The east of Wirral is less well served with ‘green infrastructure’ than other parts of the borough. The Wirral Green Streets programme has seen major investment in street trees helping to address this imbalance.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
	Develop ESIF bid	Peel Holdings via Mersey Forest	July 2017	Bid submitted	Bid Submitted. Awaiting outcome

S	Objective 5:09: Run a campaign to promote engagement with	Justification: The climate ready programme, led by the Environment
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t a t u s	the Environment Agency's 'Climate Ready' programme	Agency, provides advice and support to the public, private and voluntary sectors to enable them to adapt to the changing climate			
	Change in context since strategy adopted: The 'climate ready' programme to encourage businesses and councils to prepare for climate-related risk was closed in March 2016.				
	Action	Lead	Timescale	Measure	Progress
	<i>Abandoned</i>				
=	Highlight 'Climate Ready' support via social media	Sustainability Wirral Council	To be determined		
=	SME engagement regarding programme.	Wirral Chamber of Commerce	To be determined		See SME event under Objective 5:02

S t a t u s	Objective 5:10: Develop community capacity to respond to weather events.	Justification: Communities can be more resilient to extreme weather if they can harness resources from within the community to help prepare for, respond to and recover from such weather events. Building community capacity promotes self-help in ways that complement responses from local agencies and emergency services.			
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
*	Develop Wirral Emergency Volunteers scheme	Health Safety and Resilience, Wirral Council	Ongoing		Wirral Emergency Volunteer scheme (WEVs) was established. Induction training was provided which covered the expectations of the volunteer role, Health & Safety awareness and emergency notification arrangements including specific response roles such as Rest Centre support. The scheme also encouraged volunteer roles such as Flood, Snow and Ice Wardens, which would see volunteers assisting the council within their communities before and during such adverse weather events.

					Due to staffing changes and operational circumstances the scheme lost momentum. Planning is underway to rejuvenate the Wirral Local Resilience Action Group, which will engage with businesses and communities to encourage and support preparedness, response and recovery activities and will hopefully see the WEV and other community volunteer schemes at the forefront of enhancing resilience across the borough
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S t a t u s	Objective 5:11: Create a directory of local firms that provide goods and services that help with adapting to climate change and promote them at an expo event		Justification: If Wirral is to benefit fully from investment in adaptation it makes sense to highlight local providers of good and services that may help producers		
	Action	Lead	Timescale	Measure	Progress
	=	Investigation by University of Chester students	Sustainability Wirral Council		

Building capacity for action in support of both goals

Aim 6: Building capacity for action by strengthening local networks and partnerships and by developing wider awareness and education initiatives

S t a t u s	Objective 6:01: Create an independent Cool Wirral Partnership from the Wirral Climate Change Group		Justification: It is important that the strategy is seen to be a strategy for Wirral, not a Wirral Council strategy. The existing climate change group has evolved over time from an internal council officer group to a wider forum with representatives from various groups. The further evolution of the group into an appropriately constituted partnership appears to be a logical next step consistent with fostering wider ownership. Such a move could also present new opportunities to		

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

		develop action.			
	Action	Lead	Timescale	Measure	Progress
<i>To progress or ongoing</i>					
+	Develop new terms of reference	Sustainability, Wirral Council	September 2017		Task and finish group established to draft new terms of reference based on preferred option previously identified.
<i>Completed</i>					
*	Consult on future direction and format of Wirral Climate Change Group	Sustainability, Wirral Council	Autumn 2016	Report identifying options for development	Options identified. Preferred option agreed at Wirral Climate Group meeting.

S t a t u s	Objective 6:02: Develop a Cool Wirral campaign to promote the desirability of climate actions and gather pledges in support of the strategy from individuals and from organisations in the public, private, voluntary, community and faith sectors		Justification: The success of the climate change strategy rests on its uptake more widely across Wirral. A local 'carbon reduction' pledge campaign (CRed Wirral) has previously been developed, but the system upon which it was based is no longer supported. There is an opportunity to build on work undertaken on the CRed Wirral campaign in support of the wider strategy.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress, or on-going</i>					
	*	Maintain @CoolWirral twitter feed	Sustainability, Wirral Council	Ongoing	Monthly number of follows	548 tweets during 2016 calendar year with 112574 tweet impressions recorded 569 tweets during 2016/17 financial year with 111,882 tweet impressions recorded 601 tweets during 2015 calendar year with 115,529 tweet impressions. 584 tweets during 2015/16 financial year with 116,748 tweet impressions recorded.
	=	Develop content for Cool Wirral group on 'Project Dirt' networking website	Sustainability, Wirral Council	Ongoing	Number of group members	Five journal blogs added to Cool Wirral group during 2015. Listed on Project Dirt as a 'top blogger'
	<i>Completed</i>					
=	Develop Cool Wirral 'brand' for online media	Sustainability, Wirral Council	October 2014	Logo, web banners, and social	Logo developed for twitter and project dirt profiles. Banners developed for web site but not implemented	

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

				media styles developed	
=	Agree final Wirral climate strategy	Sustainability, Wirral Council	July 2014	Final version agreed	Final strategy agreed by Wirral Climate Change Group July 2014
=	Seek endorsement of final Wirral climate strategy	Sustainability, Wirral Council	Autumn 2014		Climate strategy endorsed by Wirral Council
=	Develop and implement launch programme for Wirral climate strategy	Sustainability, Wirral Council	Winter 2014/Spring 2015	Launch programme implemented	Launch events held and press release issued December 2014
=	Promote Cool Wirral team in national Big Energy Race 2015	Community Action Wirral	February 2015-April 2015		Cool Wirral team came third on the national leader board and was second in the region to the ultimate national winner
=	Establish 'Cool Wirral' web presence building on material developed for CRed Wirral campaign	Sustainability, Wirral Council	January 2015	Web presence established Statistics collected via Google analytics	Cool Wirral pages included at: www.wirral.gov.uk/coolwirral Limited content and functionality. The council's website has subsequently been redesigned and the amount of climate change information cut further.

S t a t u s	Objective 6:03: Develop a network in support of Cool (building on existing networks) and provide opportunities for interaction between participants through an e-bulletin, social media and public events		Justification: The success of the climate change strategy rests on its uptake more widely across Wirral. Growing a supportive network and using this to share information and learning is seen as an important foundation for encouraging action. Electronic communication, social media and face-to-face meetings all have a part to play			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress or on-going</i>					
	*	Establish and maintain general Cool Wirral mailing list	Sustainability, Wirral Council			Cool Wirral mailing list option created on Wirral Council website. First mailing planned October 2017
	+	Develop Low Carbon Sector Forum	Wirral Chamber of Commerce	December 2017		
=	Transition Town West Kirby lecture	TTWK Energy Group	June 2015	Numbers	In progress. Talk on Cool Strategy held in	

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	series on energy and climate change		and ongoing	attending event	May 2016.
+	Wirral Earth Fest 2017	Transition Town West Kirby, St Bridget's Church	Sept 2017	Event Held	
Completed					
=	Organise a 'Cool Yule' Christmas event linked with strategy launch activities	Eco Schools/ Sustainability, Wirral Council	December 2014		Cool Yule launch event held
=	Organise Festi-velo as part of Festival of Firsts	TTWK Core Group	July 2014 July 2015	Number participating	2014 event 130 cyclists took part 2015 event 200 cyclists took part
=	Wirral Earth Fest 2015	TTWK Core group and Mellow Yellow in partnership with St Bridget's Church	10-12 th September 2015		Event held
=	Collaboration with Sustrans/Wirral Bike Hubs at Wirral Earth Fest	TTWK Core Group	12 th September 2015		
=	Wirral Earth Fest Climate Change Walk to Hilbre Islands	TTWK	November 2015		Approximately 70 people took part in the walk to coincide with the UN climate change conference in Paris
=	Organise a 'Cool Yule' catch-up event to celebrate progress during first year to coincide with COP21 in Paris	Sustainability and Eco Schools Wirral Council	December 2015	Event held	Event held. Media release issued gaining coverage.
=	Cool Wirral stall at Road Safety Team's Mock Trial 17 March 2016 to engage with local Wirral Businesses	Sustainability, Wirral Council	March 2016	Stall held	Stall held
=	Wirral Earth Fest 2016	Transition Town West Kirby, St Bridget's Church	Sept 2016	Event Held	
Abandoned					
*	Organise a 'Cool Yule' catch-up 2016 event to celebrate two years of progress	Sustainability and Eco Schools Wirral Council	December 2016	Event held	Separate Cool Yule event not progressed. Instead the climate group meeting in December 2016 was timed to coincide with eco-school Christmas fair

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

S t a t u s	Objective 6:04: Encourage the formation of low carbon communities/transition towns-type groups to promote climate action at community level with at least one group in each constituency committee area		Justification: Community led 'Transition town' and low carbon community-type groups have been set up around the country and are often at the forefront of local climate initiatives. Not all parts of Wirral have such groups in place. The consultation flagged up the need to support the formation of such groups in different parts of the Wirral.		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
	=	Provide infrastructure support to new groups	Community Action Wirral		
	=	Develop Transition Town West Kirby activities	TTWK core group and all subgroups	Ongoing	Ongoing
<i>Completed</i>					
*	Support efforts to establish a Planet Heswall group with a planned event on 3rd October 2016	Planet Heswall and Sustainability, Wirral Council			Various activities organised as part of Wirral Festival.

S t a t u s	Objective 6:05: Develop a network of exemplar eco buildings including examples of different building types with at least one Superhome in each constituency committee area and promote 'open house'-type events		Justification: Visible and accessible examples of good practice can provide a powerful catalyst for wider change. The consultation workshops identified exemplar eco buildings as having an important role to play.			
	Action	Lead	Timescale	Measure	Progress	
	<i>To progress of on-going</i>					
	=	Identify and promote existing exemplar buildings		Ongoing	Exemplar buildings identified	One 'Superhome' has been identified in Eastham. Open days during SuperHomes week were promoted via twitter. Contact has been established with owner and designer of an award winning passivhaus. A presentation on the property was given to the climate change group with the invitation extended to a wider audience

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

=	Seek opportunities to develop new exemplar buildings				
+	Explore opportunity to develop exemplar public sector office accommodation through work to rationalise the public sector estate	Asset Management, Wirral Council	Spring/Summer 2018	Opportunity identified	

S t a t u s	Objective 6:06: Expand the number of good practice case studies on-line and encourage connections between organisations in different parts of the borough to spread good practice and avoid 'reinventing the wheel'		Justification: There are already a number of examples of good practice and associated experience although this practice is not always visible. The importance of showcasing good practice and sharing experience to help avoid reinventing the wheel was a common theme to emerge in workshop discussions		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or ongoing</i>				
*	Establish case studies section as part of 'Cool Wirral' web presence utilising material collected for CRed Wirral campaign and updating to include new examples	Building Services and Sustainability, Wirral Council	January 2015	Web presence established Statistics collected via Google analytics	Revisions to council website have prevented this. Opportunity to include case studies as stories on the new Wirral view platform.

S t a t u s	Objective 6:07: Develop climate change-related resources to support local 'eco' work in schools		Justification: Wirral has a successful eco schools programme. This presents an opportunity to engage school communities in climate related-action and learning		
	Action	Lead	Timescale	Measure	Progress
	<i>Completed</i>				
*	Develop 'Cool Science' resources	Eco Schools Wirral Council	July 2016		Training session delivered to local teachers. Pack developed given to participants

S t a t u s	Objective 6:08: Develop leading schools and community buildings as hubs for wider community learning on climate change		Justification: Schools and community buildings (often run by community or faith groups) can act as hubs for wider community learning. They thus present an opportunity to facilitate wider learning on climate change and the actions which can be taken		
	Action	Lead	Timescale	Measure	Progress
	<i>To progress or on-going</i>				
+	School Cool Climate Challenge 2018	Eco Schools, Wirral Council	Spring term 2018	Event held	
	<i>Completed</i>				
=	Run school climate workshops as part of strategy launch activities to initiate school projects linked to strategy themes	Eco Schools, Wirral Council	December 2016	Event held Number of schools involved	Workshop held on 10 th December as part of launch programme. Topics covered included energy efficiency (LED lighting); adaptation (resilient parks, coastal management); renewable energy (scope for solar PV); waste reduction (composting and waste electrical equipment)
=	Hold school climate convention at which schools taking part in the climate workshops will share their projects and lead activities with other schools	Eco Schools, Wirral Council	July 2015	Event held	Event held
=	School Climate Challenge 2016	Eco Schools, Wirral Council	March 2016	Event held	Climate challenge event rebranded as Cool Climate Challenge. Successful event held. Nine schools took part
*	“Lights Out” project - Schools will be given an old bell shaped street light and a species that is in decline in Wirral due to habitat loss or climate change. The	Eco Schools, Wirral Council	Autumn term 2016	Project complete	Project completed. Art works displayed at event at WEN. Schools now have the artworks and posters created

Wirral Climate Change Group – rolling Action Plan – Version at August 2017

	school will create a fact file and work with an artist to create an installation in their light about that species. The lights will be exhibited with a booklet showing the schools fact files.				
*	School Cool Climate Challenge 2017	Eco Schools, Wirral Council	Spring term 2017	Event held	Event held. 10 schools took part. Well Lane won.
*	“Making the most out of your space” A one day workshop for schools to consider their school grounds including use for teaching and learning, play, curriculum use, biodiversity, water, climate mitigation and zoning.	Eco Schools, Wirral Council	Spring term 2017	Workshop held	Workshop held. Demonstration moveable gardens created
<i>Abandoned</i>					
*	Utilise the CAW community shops in Prenton, Overchurch, West Kirby and Bromborough	Community Action Wirral			The location of the shops wasn't popular with third sector organisation to sell unwanted goods and take up form statutory partners was extremely low. The shops were not viable under these conditions.