

**Appendix 1: Wirral-wide Carbon Reduction Programme, December 2011**

	Activity Owner & Partners	Activity	Planned Outcome	Detailed Action	Environmental Outcomes	Progress To Date	Next Steps - /Milestones	On Target R-A-G
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**WIRRAL COUNCIL**

WC 1	Law HR & Asset Management	<b>Carbon Footprint Performance Monitoring</b>	Improve the overall method of monitoring performance & assist in reporting for Carbon Budget, CRC, EN 16001 & the Carbon Trust Standard	Monitor emissions from: Energy use in Buildings Transport Fleet Business Mileage	Identify & quantify Council-wide emissions	Begin the process of automatic data collection	Continue to improve the overall method of data collection; review energy database	G
WC 2	Law HR & Asset Management	<b>Investment Energy Efficiency Programme PHASE 1, 2, 3 &amp; 4</b>	Reduce the Council's carbon emissions by 60% by 2025. Going forward, achieve carbon neutrality for the borough by 2050  Assists carbon budgeting process	Electrical Energy Efficiency Scheme Awareness Raising Programme Automatic Meter Reading Project Street Lighting Energy Efficiency Improvement Schemes Develop policies to install Intelligent Luminaires & Biomass Heating system	A reduction in emissions. Phase 1 reduction 1,200 t.CO2 Electrical Efficiency Scheme, anticipated savings 837 t.CO2	Programmes in various stages of progress	Manage the systems to ensure savings are maintained; monitor performance; ensure all future BEMS systems are corporately compatible	G
WC 3	Law HR & Asset Management	<b>Wirral CRed Scheme</b>	Help to achieve 60% carbon reduction in the borough by 2025. Assist reducing per capita emissions in CO2	Develop & promote the CRed scheme together with our partners in the Wirral Climate Change Group	Encourage Wirral wide reductions in emissions	The number now signed up to CRed Wirral is 1730 & the number of pledges is up to 5380 representing a notional saving of 995 tonnes of CO2. Targets for 2011/12 have been exceeded.	Implement: - 2011/12 school 'Captain Carbon' programme. - Promotion with Age UK Wirral -Climate Week Develop programme for 2012/13	G

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WC 4	Law HR & Asset Management	<b>Renewables</b>	Reduce the Council's carbon emissions by 60% by 2025. Help to achieve carbon neutrality for the borough by 2050	Solar Water Heating Scheme at Europa Pools  Photovoltaic Scheme at Cheshire	Identify good practice improve the output generated from renewable technologies. Expected	Complete  System	Monitor Performance. Develop system of automatic monitoring to allow performance profiles to be produced  Monitor	G  G

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				<p>Lines Building</p> <p>Bio-mass fuel contract developed for Floral Pavilion</p> <p>Solar Photovoltaic PV Project</p>	<p>emissions reduction of 1.95 t.CO2 from PV</p>	<p>Installed &amp; operational</p> <p>Contract extended to December 2010</p> <p>The project involves the installation of solar pv arrays on the roofs of some 30 council-owned buildings to generate renewable energy; project is self financing due to annual savings on energy costs &amp; from revenue generated through the FiT scheme</p>	<p>Performance</p> <p>Tender for new 4 yr contract to include new projects</p> <p>Tender Oct 11 - Jan 12; complete by Apr 2013</p>	<p align="center">G</p>
WC 5	Office Depot Wirral Council	<b>Reduce the number of Office Depot delivery days to three</b>	To support the reduction of carbon emissions by 60% by 2025, CPSU has arranged with Office Depot to reduce the number of days they deliver to the Authority.	Deliveries reduced from 5 days to 3 days per week from Oct 09	% or tonnage of CO2	Office Depot to confirm figure for % or tonnage CO2	Monitor & manage performance	<p align="center">G</p>

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			Approximately 40% of purchase orders are under £50; reducing frequency & better stock control will assist in reducing emissions & use of resources through the reduction in the number of deliveries/invoices					
WC 6	Regeneration, Housing & Planning Department Wirral Council	<b>Wirral Affordable Warmth Strategy</b>	Increase the average SAP rating of housing in the Borough	<p>Delivery of local fuel poverty initiatives under the "Warmer Wirral" initiative to increase energy efficiency grant take-up, refer households for benefit entitlement checks &amp; promote energy tariff &amp; supplier switching</p> <p>Deliver Cosy Homes Heating grants and promote Warm Front grants</p> <p>Complete installation of solar thermal systems in Craven &amp; Patterson Streets, Birkenhead</p>	Cosy Homes Heating Grants in 2011-12 will deliver an estimated saving of 220 tonnes/yr of CO <sub>2</sub> over the lifetime of the heating systems; Warm Front in 11-12 will deliver a saving of approximately 800 tonnes/yr of CO <sub>2</sub> over the lifetime of the energy efficiency measures; Craven &	9 Cosy Homes Heating Grants completed, saving approximately 10.5 tonnes/yr CO <sub>2</sub> . 395 households assisted with Warm Front grants, to end Oct 2011, providing approximately 450 tonnes/yr CO <sub>2</sub> savings. Craven and Patterson Streets scheme has installed 15 solar thermal systems so far saving 6.82 tonnes/yr of	Annual review of Strategy/Quarterly review of individual initiatives	G

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					Paterson Streets scheme will see 21 solar heating installations saving 9.56 tonnes/yr of CO2	CO2		
WC 7	Regeneration, Housing & Planning Department Wirral Council	<b>Wirral Free Insulation Programme</b>	Increase the average SAP rating in owner occupied & private rented homes	Install 57,544 home insulation measures by March 2016	The programme will deliver a saving of 4035 tonnes / yr CO2 in its first year & 8070 tonnes / yr in each following years	To 05/12/11, 14,524 insulation measures have been installed, resulting in 5915 tonnes / yr CO <sub>2</sub> saved.	Install 24,660 measures by 15th May 2012	A
WC 8	Technical Services Department Wirral Council	<b>Wirral Council Staff Travel Plan</b>	Encourage more sustainable travel behaviour to staff	For the third Travel Plan the target is a 10% reduction in Business Mileage by the end of 2014/15 from the 2009-10 figure of 2,624,557 miles		The car mileage review shows that car mileage claims were 2535727 miles for 2010/11 a 3.4% reduction	Continue ongoing car park monitoring	G
<b>JOINT ACTIONS</b>								
JA1	Wirral Council NHS Wirral CWP NHS Trust	<b>Wirral CRed Scheme</b>	Help to achieve 60% carbon reduction in the borough by 2025.	Develop & promote the CRed scheme together with our partners the Wirral PCT &	Encourage Wirral wide reductions	The number now signed up to CRed	Implement: - 2011/12 school 'Captain Carbon'	G

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			Assist reducing per capita emissions in CO2	Cheshire & Wirral Hospital NHS Trust	in emissions	Wirral is 1730 & the number of pledges is up to 5380 representing a notional saving of 995 tonnes of CO2. Targets for 2011/12 have been exceeded.	programme. - Promotion with Age UK Wirral -Climate Week Develop programme for 2012/13	
JA2	Wirral Council LSP	<b>Workshop on Planning to Adapt to Climate Change</b>	To raise awareness of the collective responsibility of adapting to climate change & becoming a well adapting authority; complements ongoing work on mitigation	Half day workshop delivered by COIN on behalf Wirral Council on 16 November 2010	To raise awareness of the collective responsibility of the LSP	Workshop held. No further jointly co-ordinated work on adaptation progressed	Raise adaptation as part of developing a replacement climate change strategy	G
JA3	Wirral Council NHS Wirral CWP NHS Trust Fire & Rescue Service Merseytravel Merseyside Police Wirral Environmental Partnership Transition Towns West Kirby Merseyside Environment Network Energy Saving Trust Faiths4Change Groundwork Merseyside	<b>Wirral Climate Change Group</b>	Manage the joint delivery of reducing carbon footprint through work on mitigation & adaptation measures with all partners	Expand membership of the group; Wirral Wide Carbon Reduction Programme developed; Terms of Reference agreed	Collective approach to the delivery of carbon reduction initiatives	Regular programme ongoing. Terms of reference updated to reflect changes in LSP. Group membership extended to reflect voluntary, community and faith sectors input.	Oversee the development of a replacement climate change strategy and revise Wirral wide	G

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JA4	Wirral Council NHS Wirral	<b>Wirral MBC kerbside waste recycling scheme</b>	To implement a kerbside recycling service to 17 NHS Wirral clinical sites to increase waste recycling rates	<ul style="list-style-type: none"> <li>- Carry out site waste audits</li> <li>- New general waste contract</li> <li>- Meet with Wirral MBC to discuss start date of waste recycling scheme</li> <li>Deliver mini, 240L &amp; 1100L bins to NHS Wirral premises</li> </ul>		<p>Complete</p> <p>Started Jan 2010</p> <p>Meeting held 10/09</p> <p>Delivered Feb 2010</p>	<p>Arrange for reduced general waste bin sizes at chosen sites</p> <p>Arrange for collection every 2 weeks</p>	
<b>CHESHIRE &amp; WIRRAL PARTNERSHIP NHS TRUST</b>								
CW 1	Cheshire & Wirral Partnership NHS	<p><b>SO7 – Sustain financial viability</b></p> <p><b>SO5- Performance manage all services using an evidence based approach within a risk management framework</b></p>	Achieve Board Approved Energy Policy	<ul style="list-style-type: none"> <li>- Set up Energy Group as sub group to Environmental Strategy Group</li> <li>- Prepare Heads of Terms</li> <li>- Prepare Energy Policy</li> <li>- Obtain Trust Board Approval</li> <li>- Sustainable Development Management Strategy for 2010-15 developed; addresses the challenges of carbon reduction &amp; sustainable development management in the key areas identified in the document NHS Carbon Reduction Strategy for England: "Saving Carbon, Improving Health" published in January 2009 by the NHS Sustainable Development Unit [SDU]</li> </ul>	Energy Group & report to Environmental Strategy Group prior to submitting Trust Board for approval	<p>Heads of Terms &amp; Energy Policy approval Dec 2009;</p> <p>Key target in the strategy &amp; carbon reduction plan is the commitment to achieve an overall carbon reduction of at least 10% from the baseline level of 2007 by 2015 in line with the proposed targets in the NHS SDU document</p>	The Environment Strategy subcommittee meets bi-monthly to monitor progress & set actions in the key areas identified & work together positively to investigate solutions to help achieve further carbon reduction targets that may be proposed through the SDU	<b>G</b>
CW 2	Cheshire & Wirral Partnership NHS	<b>SO7 – Sustain financial viability</b>	Carbon Reduction 10% by 2015 using 2007 as	<ul style="list-style-type: none"> <li>- Establish carbon of base year</li> <li>- Establish carbon for most recent</li> </ul>	Energy Group and	Carbon base for 2007		

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		<b>SO5- Performance manage all services using an evidence based approach within a risk management framework</b>	the base year annual 3.3% target representing 90 tonnes reduction of CO2 annually	<p>year</p> <ul style="list-style-type: none"> <li>- Produce action plan over 5 years to show:</li> <li>- Project plan, Capital investment</li> <li>- Revenue consequences</li> <li>- Consider viability of renewable energy sources and report findings</li> <li>- Investigate bids for funding both NHS &amp; external sources- Offer to Finance Planning &amp; Performance Committee for approval prior to Trust Board</li> </ul> <p>Ensure the Energy Group has links to the capital &amp; property team regarding refurbishments &amp; new builds &amp; that the project group reports back energy matters to the Energy Group A 5 year planned programme of boiler replacement &amp; energy efficient lighting in place</p>	Environmental Strategy Group	<p>established Sept 09</p> <p>BREEAM workshops held for new development target to achieve excellence</p>		
CW 3	Cheshire & Wirral Partnership NHS		<p>Waste Management strategy</p> <p>Reduction Recycling &amp; reuse forms basis of organisational waste management policy promoting the Waste Hierarchy principle</p> <p>Review contracts with all suppliers to ensure sustainable viability</p> <p>Waste audits carried out annually</p>	<p>Minimise the production &amp; disposal of waste that cannot be recovered, recycled or reused. Monitor, report &amp; set targets on management of domestic &amp; clinical waste. Promote re-use of trust assets as norm, recycling by products such as packaging &amp; actively working on reduction of waste at source.</p> <p>Redefined &amp; re classify waste streams in line with HTM 07-01 safe management of Healthcare waste</p> <p>New contract with local contractor ensures that 95% of general</p>	Segregation & recycling & re-use ongoing campaigns to keep waste out of landfill Cardboard paper & printer cartridges obsolete medical equipments & consumabl		Battery recycling waste strategy developed; Confidential waste paper shredding contract negotiated under improved sustainable procurement guidelines; improved off-site recycling & carbon reductions	



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			Waste handling & recycling training	<p>waste recovered the residual 5% waste going for fuel conversion. Drive for zero landfill within 3 years.</p> <p>Audits are assessed for reduction &amp; segregation of waste</p> <p>Paper banks help to promote paper recycling in the Trust; 12 banks in place Trust wide with 5 more planned for 2010. We have recycled approx 19.719 tonne to October 2009 which equates to 300 trees saved</p> <p>Delivered at Induction &amp; ad hoc</p>	<p>es are donated to charity</p> <p>4 collections completed = 20 tonnes of equipment recycled to 3rd world through Christian charity Aid to hospitals worldwide</p>			
CW 4	Cheshire & Wirral Partnership NHS		<p>Staff involvement &amp; engagement</p> <p>Eco Representatives</p> <p>Environment Page for CWP Website Your Eco Environment</p>	<p>Staff Eco Reps promote message of individual action leads to greater change &amp; embeds a culture of good corporate citizenship</p> <p>Walk to work week &amp; Bike to Work week were both promoted to staff as part of healthy messages &amp; carbon reduction</p> <p>Information page about all the carbon reduction plans the trust has as well as interesting facts &amp; figures on recycling targets</p>	<p>Reps meetings arranged 4 times/ year With opportunity for attendance at events &amp; networking with other champions</p>		<p>Trust's Eco Rep handbook now published; organise Eco Reps Conferences &amp; Workshops Eco reps meetings - Climate week</p> <p>Staff Bike purchase scheme updated</p> <p>Development of an Environment Intranet page for staff completed-progress also made in the areas of energy</p>	G

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							management & carbon reduction; Environment swap-shop for staff developed	
CW 5	Cheshire & Wirral Partnership NHS		Green travel & transport	<p>Energy Savings Trust prepare green fleet review &amp; action plan for trust</p> <p>Policy review group set up to review lease car policy</p> <p>CWP invited onto Government funded Motorvate scheme to review &amp; monitor travel &amp; transport</p> <p>Bike user group established with reps from finance HR &amp; environment to establish interest &amp; look at schemes available</p> <p>Links made with other groups to support &amp; partnership work Lets travelwise &amp; wise moves</p> <p>Govt/NHS cycle to work guarantee scheme signed up</p> <p>Commitment to investigate suitable alternative transport options for staff &amp; service users including 'How to get to...' information provided on Intranet</p>			Green Fleet Annual review- gather 09/10 data to measure CWP baseline carbon footprint on mileage; fuel use in litres for the van fleet; mileage claims for the lease cars & the vehicle list including registration & CO2 emissions; Mileage claims for essential/casual/standard/regular users being used for preparation of carbon footprint analysis; prepare draft Trust travel plan & examine travel options for staff relocations; Travel portal car share data base DRAFT plan completed	
CW 6	Cheshire & Wirral Partnership NHS	<p><b>SO7 – Sustain financial viability</b></p> <p><b>SO5- Performance manage all services using an evidence</b></p>	Introduce robust energy monitoring & produce action plans with investment plans against the high energy user buildings & sites;	<ul style="list-style-type: none"> <li>- Update TEAM software</li> <li>- Achieve accurate meter readings &amp; bill monitoring</li> <li>- Prepare regular reports for Head of Estates &amp; Facilities to demonstrate action or no action</li> </ul>	Energy Group Operational Estates	New TEAM Software installed & data being transferred & checks	Plastic bottled water contracts cancelled; bottled water provision removed from staff areas &	<b>G</b>

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		<b>based approach within a risk management framework</b>	& the high cost per M3 buildings & sites  Ensure leak free water distribution systems	- Establish procedure for regularly testing procurement of energy against the market prices  WATER Produce a report to establish evidence of water consumption Phase out plastic bottled water programme throughout all Trust properties 2009-10 Introduce plumbed in units or use of tap water  Prepare regular reports for Head of Estates & Facilities to demonstrate action or no action		against reporting in progress Sept 09  Meter reading regime set up & working well  Bill management under discussion with finance dept to make improvements	spreadsheet set up with Estates to identify replacement & relocation of plumbed in units; protocol set up for chilled water provision 4 tonnes of carbon & 2% saving annually overall	
CW 7	Cheshire & Wirral Partnership NHS	<b>SO7 – Sustain financial viability</b>  <b>SO5- Performance manage all services using an evidence based approach within a risk management framework</b>	All buildings that require a Display Energy Certificate (DEC's) have complied  Achieve Level D in all buildings/targeting those at Level E, F & G	- Survey buildings over 1000m2 floor area & fit DEC's - Prepare action plan for those buildings at E or below to show: - Project plan Capital investment Revenue consequences	Energy Group Operational Estates	DEC's completed to 75%		
<b>NHS WIRRAL</b>								
WP1	NHS Wirral	<b>Environmental Impact Assessment &amp; Carbon Footprint</b>	10:10 Commitment; Reducing carbon emissions by 10% during 2010-11 across the following areas: Electricity, gas, road transport and air travel	Encouraging staff to use car travel less & promoting alternative transport methods  - Improving energy efficiency of existing estates premises		Q1 staff mileage claims 50% down on 2008-09 data  Data from 2010 travel survey - single	Ongoing promotion of walking, car sharing, & cycle to work, public transport loan & pool car schemes.	<b>A</b>

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						<p>occupancy vehicle use down 6% on 2009 figures with increase in bus and train usage</p> <p>From 2009-10 data, 7 NHS Wirral premises fall outside the minimum standard for energy efficiency. Energy audits undertaken. Insulation improvements in winter 2010 from capital funding approved for carbon reduction initiatives. Solar photovoltaic (PV) installation at Vittoria Medical Centre in January 2011.</p> <p>40 staff made carbon</p>		

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						<p>reduction pledges during 10:10:10 week – potential savings 370kg of CO2 per person/year or 14.8 tonnes in total.</p> <p>44 NHS Wirral staff requested Home Energy Checks from Energy Saving Trust during 2 week 'prize draw' campaign.</p> <p>To date, a 14.4% reduction in our carbon emissions, compared with the first half of 2009-10.</p>		
WP3	NHS Wirral	<b>Sustainable transport planning</b>	To encourage the use of sustainable transport & reduce personal car use by NHS Wirral staff, patients & visitors in line with Travel Plan	- Carry out staff travel survey by November 2010 to assess impact of sustainable transport actions against travel plan targets	Reduced CO2 emissions from staff travelling to & from	Complete December 2010. HQ personal car use down from 87% to	Further publicity of incentive schemes & pool car/bike schemes throughout PCT	G

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				<p>- Finalise pool bikes policy &amp; locate pool bikes ready for use at Old Market House</p>	<p>work &amp; carrying out business related travel.</p> <p>Active travel as a health benefit for staff, patients &amp; visitors</p>	<p>67%</p> <p>Data from 2010 travel survey - single occupancy vehicle use down 6% on 2009 figures with increase in bus and train usage</p> <p>Awaiting final location of bikes &amp; publicity of scheme</p>		
<b>MERSEYTRAVEL</b>								
MT1	Merseytravel	<b>EMS (ISO14001)</b>	Ensure environmental performance of Merseytravel is at a high & externally recognised standard & all operations are legally compliant	Part of the delivery mechanism for Environmental Sustainability Strategy covering all Merseytravel operations All operational areas are covered & EMS Management Plan contains detailed actions.	Annual external assessment in October	Successful accreditation each year since 2003	Continual improvement as required by ISO standard, development of relevant policies & procedures & ensuring legal compliance	<b>G</b>
MT3	Merseytravel	<b>Annual Environmental Report</b>	Assists in monitoring targets set by EMS & achievements made across the organisation Public statement of our actions.	Annually produced in December (data gathering from April) covering previous financial year Updated in relation to environmental agenda & in particular carbon reduction & climate change.			Preparation for next report	<b>G</b>
MT4	Merseytravel	<b>Staff Awareness &amp; Behaviour Change</b>	Reduction in energy use, more sustainable use of resources &	Training for staff, recruitment of 'Ambassadors', regular awareness campaigns & events	Ongoing with quarterly	90% of staff have been through	Ongoing training, recruitment & promotional activity	<b>G</b>

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			informed decision making		reviews & annual planning	'training', management group established		
MT5	Merseytravel Wirral Council United Utilities Stagecoach	<b>EU Sustainable Biofuel Project (BIONIC)</b>	Increase in use of sustainable biofuel production	Promotion & use of Sustainable Biofuel in NW England, operation of NW Biofuel Network, case study development with local fleets, production of best practise guideline & final conference	Project runs Nov 2007 to Nov 2010. Conference in 2010	Three trials of high-blend biofuels underway or completed	Develop NW Network & continuation of case studies	G
MT6	Merseytravel Bus operators	<b>Low Carbon Emission Bus Fund</b>	Bring lower carbon buses to Merseyside fleet	Bid for funding to support use of low carbon buses was successful resulting in 11 electric vehicles for C1-C5 routes in LCC	Vehicles to be operational Summer 2010	General agreement on locations & funding needs to be confirmed	Identification of charging points, funding & planning consent	G
MT7	Merseytravel Arriva	<b>Eco-Manager driver system</b>	More efficient driving & reduced fuel use & therefore CO2	Arriva vehicles equipped with ECO-Manager & staff trained for use	Launched 2009	Operation in some of Arriva fleet & showing approx 6% reduction in fuel use (tbc)	Roll-out across whole fleet & possible uptake of similar system by other operators	G
MT8	Merseytravel	<b>Travel Plan</b>	Encourage more sustainable travel behaviour to staff	Promotion of initiatives to all staff whether travelling to / from work or on business	Since 2003 Review 2010.		Review	G
MT 9	Merseyside Transport Partnership inc Merseytravel & Wirral MBC	<b>Local Transport Plan (LTP) development &amp; delivery</b>	Ensure Carbon Reduction / Climate Change is key foundation for transport development across Merseyside	Focus on Carbon Reduction for LTP3 from March 2011	LTP3 runs from April, consisting of a long-term strategy (up until 2024), supported by 3-year implementation plans	Climate Change Officer appointed in Jan 2010  Goal 2 of the LTP, 'to provide & promote a clean & low carbon transport		G

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					Carbon reduction & air quality targets to be confirmed	system' covers climate change & carbon reduction		
MT 10	Merseyside Transport Partnership inc Merseyside & Wirral	<b>LTP TravelWise Programme</b>	Increased awareness & uptake of walking, cycling, public transport & travel planning	Lead on Smarter Choices elements of LTP across Merseyside	LTP Support Unit review (Sep-Oct 2010) & LTP3 development	Many programmes across Merseyside. Some reduction in programmes as a result of funding cuts. Work programme from 2011 onwards to be set as part of LTP3 development & LTP Support Unit review		G
MT 11	Merseyside Transport Partnership inc Merseyside & Wirral	<b>LTP Integrated Assessment (including EIA)</b>	Identify & reduce environmental impacts of transport schemes in LTP3	Environmental impact of LTP3 (EIA was also undertaken for LTP2)	Final document September 2010		SEA guiding final changes to the LTP Preferred Strategy	G
MT 12	Low Emission Strategy RGI (inc Merseyside Transport Partnership)	<b>Low Emission Strategy (Output 1)</b>	Reduce environmental impacts of transport through use of the planning system	Develop Merseyside-wide planning policy note with potential for developing into a Supplementary Planning Document in the future	Due to be completed by April 2011	Working group has been set up to deliver policy note	Present draft planning policy note with Merseyside District Planners & Development Control Groups for consultation  Seek to encourage take-up of transport	G



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							impacts policy across Merseyside District	
MT 13	Low Emission Strategy RGI (inc Merseyside Transport Partnership)	<b>Low Emission Strategy (Output 2)</b>	Reduce environmental impacts of transport through use of the planning system	Embed Low Emission Strategies within LTP3	April 2011	Developing & implementing the low emission strategy is identified as priority action for LTP3	Refer to MT9	G
MT 14	Low Emission Strategy RGI (inc Merseyside Transport Partnership)	<b>Low Emission Strategy (Output 3)</b>	Reduce environmental impacts of transport through use of the planning system	Produce a model scheme for using offset contributions received in lieu of LES actions to support low emission buses & infrastructure	April 2011	Merseytravel is investigating potential legal implications of such a scheme	Merseytravel to report back on legal implications of scheme	G
MT 15	Low Emission Strategy RGI (inc Merseyside Transport Partnership)	<b>Low Emission Strategy (Output 5)</b>	Reduce environmental impacts of transport through use of the planning system	Examine & report back on how the taxi licensing system can be used to reduce emissions	Due to be completed by April 2011	<p>Work being taken forward through LTP Taxi Group</p> <p>Workshop held with taxi industry to debate options for reducing emissions</p> <p>Taxi Quality Partnership being progressed; consultation with industry complete</p>	<p>Proposals to be proposed through LTP3 process</p> <p>Local authority licensing authorities &amp; Merseytravel committees to be notified of intention to set up a taxi quality partnership</p>	G

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<b>MERSEYSIDE FIRE &amp; RESCUE SERVICE</b>								
FR1	MFRS	<b>Reduce CO2 emissions from our normal business activities</b>	Reduce by 30% from 31st March 2008 to 1st April 2013.	Following baseline carbon emission calculations from utility use, reduction targets have been set & is being implemented through a formal Carbon Management Programme	Annually until 2013	Carbon Management Plan approved by Authority & being implemented	Continue on planned programme formalised within Carbon Management Plan	<b>G</b>
FR3	MFRS	<b>Tackling fuel poverty</b>	MF&RS is able to support local communities through its Home Fire Safety Checks programme, by identifying homes, which could benefit from energy efficiency support	This measures the proportion of households on income related benefits for whom an energy assessment of their housing has been carried out, living in homes with low energy efficiency or high-energy efficiency	Ongoing programme	Ongoing programme	Continue to support the communities in which we work	<b>G</b>
FR4	MFRS Wirral BC & the National Trust	<b>Climate Change adaptation in Wirral by investment in Pacliders - fire fighting portable 'back packs' for Wirral Rangers/ Community Patrol</b>	Minimise carbon emissions from fires in Wirral; reduce need for full FRS response to smaller fire incidents	Prevent & tackle small fires in Wirral by training & investing in equipment for Wirral  Rangers/Community Patrol which would lead to carbon emissions from those fires		Ongoing programme with evidence based success		<b>G</b>
FR5	MFRS	<b>Bike2Work scheme</b>	Encourage cycling & public transport as an alternative to single user car travel	Formal Bike2Work scheme, offering interest free loan to purchase bicycles. Promote alternatives to single user car travel by promoting Bike2Work & providing information of public transport to staff & visitors	Aug 2009 Bike2Work completed	Bike2Work week completed	Staff survey on scheme to provide information for any future incentives  Formal travel plan to be approved by Merseyside Fire Authority	<b>G</b>
FR6	MFRS North West Fire Services Sustainability	<b>Collaborative working on energy efficiency &amp; carbon reduction measures</b>	Shared environmental knowledge & professional practice across all 5 NW fire	North West Fire Services Sustainability Network hold regular formal meetings to discuss environmental & carbon	Next meeting Oct 09	Next meeting Oct 09	Continue to build professional relationships & knowledge sharing	<b>G</b>

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	Activity Owner & Partners	Activity	Planned Outcome	Detailed Action	Environmental Outcomes	Progress To Date	Next Steps - /Milestones	On Target R-A-G
	Network	<b>with other NW Fire Services</b>	services	management to share good practice & knowledge			across all 5 NW fire services	
FR7	MFRS	<b>Fire Bikes</b>						
<b>MERSEYSIDE POLICE</b>								
MP1	MPS	<b>Energy Management</b>	Achieve Energy Efficiency Accreditation under the Carbon Trust Energy Efficiency Accreditation Scheme (EEAS)	Recognition of our progress in Energy Management Strategy	Reduced Carbon Emissions from Premises & Premises related activities	Accreditation obtained Feb 2006 Completed	Continue to develop our strategy	<b>G</b>
MP3	MPS	<b>Carbon Management</b>	Achieve the Carbon Trust Standard Accreditation	Year on Year Carbon Emissions Reduction	Reduced Carbon Emissions from Premises & Premises related activities	Accreditation Received Sep 2008	Expand Carbon Reduction Strategy to other Force Operations	<b>G</b>
MP4	MPS	<b>Carbon Management</b>	Join Carbon Trust Local Authority Carbon Management Programme	Expand Carbon Reduction Strategy to include Vehicle Fleet Operations, Business Travel & Landfill Waste	Introduce Specific Targets for Reduction in Line with UK Government Targets	Accepted into LACM7 Scheme May 2009, Carbon Management Team Set up within the force & a Target of 34% Reduction by 2020 established	Complete 5 Year Carbon Management Programme Report	<b>G</b>
MP5	MPS	<b>Cycle to Work Scheme</b>	Reduced Car Usage & Commuter Carbon Emissions	Offer Discount Cycle Purchase Scheme to all Employees to encourage take-up of scheme & reduce carbon footprints of	Reduced CO2 Emissions	Cycle to Work Scheme introduced	Introduce Car Share Scheme	<b>G</b>

**Appendix 1: Wirral-wide Carbon Reduction Programme, December 2011**

	Activity Owner & Partners	Activity	Planned Outcome	Detailed Action	Environmental Outcomes	Progress To Date	Next Steps - /Milestones	On Target R-A-G
				individuals & across estate		Sep 2009; £250,000 allocated for cycle purchase		
		<b>Green Fleet Review</b>	More efficient utilisation of the vehicle fleet to reduce carbon emissions	The scheme entails joining the Energy Saving Trust "Green Fleet Review" and "Motorvate Scheme" to share Vehicle Fleet Details and Annual Fuel Consumption and Costs for analysis	Reduce vehicle CO2 Emissions	Details of Vehicle Fleet and Grey Fleet Annual Fuel Consumption and Costs supplied to EST	Complete and Submit Formal Application	
<b>COMMUNITY GROUPS</b>								
TT1	Transition Town West Kirby	<b>Awareness raising about energy supply &amp; climate change</b>	A greater awareness in West Kirby & elsewhere in the Wirral about future energy shortages & climate change	Public meetings with film shows & talks on 'peak oil' & climate change Tables at community events Leaflets Contributions to WBC consultations	Ongoing	Meetings attended by 400 individuals Regular email update	Further public film shows & talks Whole/half day event with LSP	<b>G</b>
TT3	Transition Town West Kirby, Crass Roots	<b>Greater Community Cohesion &amp; Resilience</b>	Wirral communities better able to withstand future pressures from energy shortages	Lantern Parade Promotion of community events	Ongoing	Website & regular member email to publicise local events		<b>G</b>
TT4	Transition Town West Kirby	<b>Promotion of Sustainable Transport</b>	An increase in walking & cycling	Provision of walking & cycling literature at community events, e.g. maps from Sustrans, Travelwise, & Wirral Council Publicity of walking/cycling surveys	Ongoing	Leaflets provided at 12+ events Participation in pedestrian surveys  Contributed to joint Merseyside response on		<b>G</b>

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						Transport Strategy		
TT5	Transition Town West Kirby	<b>Home Energy Awareness Raising</b>	Home energy efficiency	Public meetings with talks from experts on insulation, solar hot water, wood-burning stoves Loaning of energy monitor	Ongoing	Meetings attended by 100+ people	Database of local installers & installation locations of solar hot water & solar PV	G
<b>MERSEYSIDE RECYCLING AND WASTE AUTHORITY</b>								
MR WA1	/Merseyside & Halton Waste Partnership	<b>New Name - Merseyside Recycling and Waste Authority (as of 7/12/11)</b>  <b>New Joint Recycling and Waste Management Strategy</b>	New Merseyside wide municipal waste management strategy up to 2041  Reducing the climate change/carbon impacts of waste management  10 strategic objectives  Objective delivery options to be agreed by Wirral through their District Council Action Plan	Demonstrate continuous improvement in the reduction of carbon emissions from the Local Authority Collected Municipal Waste (LACMW) management service on Merseyside.  All waste management choices should seek to optimise carbon reduction wherever practicable.  Commitment to review every 5 years that the CO <sub>2</sub> impact of the Strategy has reduced.	Flexibility to manage resources, reduce waste & maximise environmental benefits in a low carbon economy		New strategy to be ratified by Wirral MBC 13/02/12  Strategy ratification and publication by April 2012	G
MR WA3	MRWA	<b>EMS ISO 14001:2008</b>	To ensure that the performance of the EMS improves on an annual basis & that accreditation is maintained	Scope & actions of the EMS relate to office base & 7 Closed Landfill Sites and contractors. Impact actions in place	On-going Methane extraction. (Generated electricity, sent to the National Grid)	Re-accreditation due May 2012	Scope has been widened to include impact of main contractors (covers Veolia and A.N.Other to be appointed)	G
MR WA4	MRWA	<b>Reduce CO2 emissions from Authority operations &amp; activities (Corporate</b>	To reduce CO2 emissions from activities & operations	Office waste management; Office electricity management &; Closed Landfill Site management	Carbon footprints for office waste, electricity	Baseline data established for waste & electricity consumption	Set CO2 reduction targets for waste & electricity	G

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		<b>Objective)</b>			consumption & Methane	& Methane		
MR WA5	MRWA	<b>Mitigate &amp; adapt to climate change (Corporate Objective)</b>	Activities & operations to undergo climate change risk assessments	Activities & operations screened for climate change risks	Reduced CO2 emissions & more robust infrastructure	Current contract specifications include climate change mitigation & adaptation	New contract specifications to include climate change mitigation & adaptation	G
MR WA6	MRWA, Veolia & A. N. Other	<b>Reduce CO2 emissions from Authority operations &amp; activities (corporate objective)</b>	Annual Carbon Footprint of service delivery using WRATE Analysis tool	Tender evaluations & awards include provision for mitigating & adapting to climate change. Reduce CO2 emissions from partner operations & planned new builds & refurbishments	To increase the proportion of renewable energy in use	100% renewable energy sourced for services provided by Veolia. Presently establishing baseline data	Future HWRC's to be less carbon intensive in their construction & use. Set CO2 reduction targets for activities, operations & services	G
MR WA7	MRWA, Veolia & A. N. Other	<b>Mitigate &amp; adapt to climate change (Corporate Objective)</b>	Activities & operations to undergo climate change risk assessments	BREEAM standards set for new & refurbished infrastructure	Lower carbon footprints for infrastructure	Low Carbon Household Waste Recycling Centre study completed	Set CO2 reduction targets for activities, operations & services	G
MR WA8	Merseyside & Halton Waste Partnership	<b>New Waste Prevention Action Plan</b>  <b>Love Food Hate Waste</b>	Reduction in the volume of food waste put in residual household bins	Awareness-raising through events & visits	Reductions in CO2 & Methane	MRWA funded project for 2011 -2012. 10 events 5,000+ people engaged.	To develop exit & forward strategies; to develop wider collections services for food waste	G
MR WA9	Merseyside & Halton Waste Partnership	<b>New Waste Prevention Action Plan</b>	Reduction in the volume of garden waste put in residual household bins	Awareness-raising through events & visits	Reduction in CO2 & Methane	New campaign launched April 2010.	Increase education & awareness of the benefits of home composting	G

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		<b>Home Composting Campaign</b>				Approximately 12,000 compost bins sold across Merseyside (2008/10) Bin sales 2011 = 649		
MR WA10	MRWA	<b>Waste Education Strategy</b>  <b>New strategy to be developed</b>	Increase community awareness of the links between unwanted household goods (waste) & climate change	Awareness of climate change & its links to waste are capitalised on during group visits to Bidston Recycling Centre & when visiting the wider community	Greater understanding of climate change issues by the community	2010/11 38 visits and 1457 people engaged	Increase education & awareness of the links between household waste & climate change	G
MR WA11	Merseyside & Halton Waste Partnership	<b>Food Waste Collection &amp; Treatment Study</b>	Feasibility study of the most efficient food waste collection & treatment service	Analysis of the options for food waste collection & treatment service. A comparison with other food waste collection & treatment services	A reduction of food waste in residual waste stream; A reduction in associated methane emissions from decomposing food; Potential source of renewable energy (CHP).	On-going discussion & considerations from April 09; April 2010 - WRAP commissioned to undertake study; Nov 2010 study to be concluded	Dependent upon the findings of the study	G
<b>GROUNDWORK MERSEYSIDE</b>								
GM1	Groundwork Merseyside	<b>Delivering the ENWORKS Programme</b>	ENWORKS is diagnostic consultation tool funded by NWDA & run by Groundwork	Promotion at Wirral Invest Partners Forum, Invest Wirral Business Forum, Mersey Maritime Summit, Mersey	Assist in the delivery of NI 186, support	Businesses assisted: April - Dec 2011: SME:	Groundwork Merseyside to continue to identify & contact	G

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			Merseyside; sign-up is voluntary but if secured can provide advice & information to support & assist Wirral businesses, regardless of shape & size, to raise awareness on energy efficiency & identify, implement & achieve CO2 reductions & savings	Maritime Breakfast, Federation of Small Businesses event in Bromborough, Wirral Business Fair. 'Hot desk' arrangements established with Invest Wirral. Invest Wirral attend Groundwork Merseyside ENWORKS Steering Group	Wirral businesses in taking-up energy efficiency & CO2 savings	41; Non SME: 4. Cost Savings Identified: SME: £333,119; Non SME: £123,600 CO2 (tonnes): SME: 1509.46; Non SME: 806 CO2 Achieved (tonnes): SME: 0.1; Non SME: 106 NWDA part of ENWORKS ceased in July 2010. Over £8,000 of identified cost savings/SME; 37 tonnes of CO2 identified average saving/SME	businesses to arrange diagnostic consultations & discuss assistance & support through RES & the hot-desk initiative; contact details & awareness-raising materials for use in the work place to be made available at Invest Wirral  Future Action: Local business event with Invest Wirral Team/ Wirral Chamber with a Resource Efficiency/Saving Money theme & Possible 'Carbon Footprinting Workshop' for Wirral SME's	