# Climate Local: Cheshire West and Chester Council

### Our progress on 1 January 2014

Since signing up to Climate Local on 22 October 2012, we have made the following progress towards achieving the commitments and actions we pledged on 4 December 2013.

### 1. Low Carbon Pathways

Commitment: We will take action to manage and reduce our contribution to the carbon emissions in West Cheshire

Renewable Energy and Energy Efficiency	Actions	Delivery and Governance	Measure	Timescale, Resources and Contact
1 Carbon emissions The importance of having a robust evidence base is recognised by the Commission to help better inform policy, investment and delivery. Cheshire West and Chester Council	Annual monitoring is already being undertaken by Cheshire West and Chester Council as well as and supplied by external organisations. In 12/13 Cheshire West and Chester Council spent the following on:	Internally managed by Cheshire West and Chester Council, but will contribute	Targets: 30% emission reduction based on 2009/10 base year	Timescales: April 2015
should work with partners to provide regular monitoring reports on carbon emissions.	<ul> <li>Energy and Water £9.9M</li> </ul>	to broader West Cheshire corporate	To set and agree target up to 2020	April 2014
Specific: Since 2005, each July, the Dept of Energy and Climate Change publish local authority borough-wide emission data.	The Greenhouse gas emissions are published on the Cheshire West and Chester Council website. However, there is an opportunity to present and review this information to a joint Member/Officer group on an annual	intelligence data library. Possibility of pooling resources from	Reductions of 34% of borough- wide emission below 1990 levels by 2020 and 60% by 2030.	April 2020 and 2030
In addition, by the end of July each year, Cheshire West and Chester Council is required to publish its	basis in September. This will help track progress and provide a clear evidence base that can in turn help to	partners, to maintain a central	Annual reports presented each	Annually in September
Greenhouse gas emissions under the previous National Indicator 185	shape Council policy. This will also link into Climate Local	intelligence pool.	September to a joint Member/	Resources: Existing carbon

	(Percentage CO <sub>2</sub> reduction from local authority operations). 2009-10 is used as the base year and reporting is based on each fiscal year. <u>http://www.cheshirewestandchester.</u> <u>gov.uk/your_council/policies_and_pe</u> <u>rformance/climate_change_sustaina</u> <u>bility/greenhouse_gas_emissions.as</u> <u>px</u>	and the commitment to "Set Locally- owned and determined commitments and actions to reduce carbon emissions and manage climate impacts. To be specific measurable and challenging".		Officer group along with plans to reduce carbon emissions.	management budget of £150,000 within Cheshire West and Chester Council. Contact: George Ablett Sustainability/ Climate Change Team, Cheshire West and Chester Council.
2	Promoting renewable energy In order to better inform developers of the opportunities the Borough has to offer in hosting renewable energy technology, an Information Pack should be pulled together targeted at developers and investors. The pack should set out the Borough's policy towards the installation of renewable technology and provide guidelines to how support and assistance might be accessed. Information should cover the approach set out by policy in the Local Plan, how renewable technology is viewed by the Borough in terms of development management and the funding opportunities available that may offer support and assistance.	Specific: The Draft Local Pan (Part One) Strategic Polices will be submitted to the Secretary of State for examination following a period for public consultation. Part One provides the strategic framework and the hooks to ensure that schemes for renewable energy are encouraged and supported. Part One sets out the Council's policy of encouraging renewable technology: http://consult.cheshirewestandchester gov.uk/portal/cwc_ldf/cwc_lp/lp_pd/pu blication_draft. With these local policies and national guidance, there is sufficient information for developers and investors to bring forward renewable energy schemes.	Collaboration between a number of services, including Planning (spatial policy and Development management), Environmental Sustainability team, property and economic development.	Ensuring that the Local Plan Part Two embeds strong policies to support and incentivise the delivery of renewable energy as well as energy efficiency in new and existing developments based on robust evidence. Regular progress reports presented to the joint	Timescale Spring 2014 Resources: Use of existing resources and capacity within the Spatial Planning Team and other sections to take policies through the Local Plan process. Contact : George Ablett Sustainability/ Climate Change Team, Cheshire West and Chester Council.

				Member/ Officer	
		Further detail, including site specific allocations will be set out in Part Two of the Local Plan. This will rely on political direction and support informed by evidence to ensure that developments consider the opportunities through renewable energy on site and linkages off site, through individual site allocations.		group.	Louise Hilder Spatial Planning Team, Cheshire West and Chester Council
		The Renewable Energy Study is one of the baseline information documents for the Local Plan, this can be used to help set out the Council's position by providing drivers to help deliver renewable energy technology. The existing Planning Portal already has information that can be accessed			
3	Local Energy Generation	Specific:	Cheshire West	Application to	Timescale
Ŭ			and Chester	HNDU to secure	October/
	Further work needs to be undertaken	Work alongside the Local Enterprise	Council, and	funding to explore	December 2013
	to help identify how the Borough	Partnership and the Authorities	Partners	opportunities in	
	might support local energy	external funding team to identify		Ellesmere Port.	Resources:
	generation. This will include the use	funding opportunities.	Cheshire West		Funding via the
	of new technology and identifying	Lies the network of portners beth	and Chester	Inclusion of	Heat Networks
	various investment options available.	Use the network of partners both nationally, sub-regionally and locally	Council to	investment proposals for	Delivery Unit (HNDU).
	Note:	to raise awareness of the technology	Ellesmere Port	energy efficient	
	1016.	available, linking to new development	Regeneration	and renewable	
	The Department of Energy Climate	proposals where investment can be	Board	energy in the	Contact:
	Change has set up a Heat Networks	made in new technology that reduces	20010	Cheshire and	Peter Bulmer

	Delivery Unit and put in place a development funding stream (£9m) to support credible prospects for commercial development in a strategic location and scope for expansion. Through the Renewable Energy Study as part of the Local Plan evidence, a number of areas have been identified as "Areas for Potential Heat Networks" predominantly in the Chester and Ellesmere Port areas.	energy use. Consider the possibility of establishing and marketing West Cheshire as a place where new technology can be developed and tested – to create a pro-energy efficient culture, that if recognised will also bring economic benefits in terms of helping to strengthen the energy sector, jobs and GVA.	University of Chester Local Enterprise Partnership	Warrington Investment Strategy.	Sustainability/ Climate Change Team, Cheshire West and Chester Council.
4	Community Neighbourhood Planning Building on the good practice examples found in the Borough to extend the knowledge and learning to other communities. Where communities/ neighbourhoods are developing Neighbourhood Plans a further opportunity now exists for local areas to consider the introduction of energy efficient projects and proposals.	Neighbourhood Plans are land-use based community led documents, which when adopted provide for new development to be allocated in line with greater community consensus. Cheshire West and Chester Council is only able to offer limited assistance and guidance on the introduction of energy efficient projects and technology. It falls on the Community writing the Neighbourhood Plan to evidence the land use policy for inclusion in the Plan. Parish Plans however are broader in their remit; if the community wish to consider community energy generation projects	Cheshire West and Chester Council Cheshire Community Action Use existing Neighbourhood Plan and Parish Plan networking arrangements to disseminate good practice	The number of Neighbourhood Plans supported that put forward proposals for energy efficient projects.	Timescale Ongoing Resources: DCLG grant and other resources Use of existing resources and capacity within the Spatial Planning Team to support Neighbourhood plans. Contact :
	Parish and town councils and neighbourhood forums can apply for	community energy generation projects they can do so in writing to their	good practice and guidance.		Contact :

	grants of up to £7000 or direct support through the Department of Communities and Local Government's 'Supporting Communities in Neighbourhood Planning programme':- http://mycommunityrights.org.uk/neig hbourhood-planning/	Parish Plan. Where good practice already exists in local communities such as Ashton Hayes, the offer of advice to other communities might be made as part of the advice provided to local communities. Note: Currently, Cheshire West and Chester Council is supporting the development of 20 Neighbourhood Plans.			Catherine Morgetroyd Spatial Planning Team, Cheshire West and Chester Council
5	Community Energy The Borough Council to encourage Communities to be fully engaged in the development of proposed energy generation schemes, so that local consensus is gained for local infrastructure proposals.	Pre-application discussions for proposed energy generation schemes, to fully engage with the local community that will benefit from the introduction of the scheme. Local community engagement can be facilitated via Locality Teams. Note: The Rural Community Renewable Energy Fund (RCREF) has been established to support community renewable energy projects in rural areas. Funds of up to £150,000 are available through two funding stages: an initial feasibility grant; and a loan for development costs.	Cheshire West and Chester Council Locality Teams to investigate the route to be taken to ensure communities are included.	To have in place transparent mechanisms to allow engagement with local communities on energy generation proposals. Application to RCREF to secure funding to explore opportunities across the borough	Timescale: April 2014 Resources: The Rural Community Renewable Energy Fund/ Rural Development Programme for England. Contact : Peter Bulmer Sustainability/ Climate Change Team, Cheshire West and Chester Council
6	Community Renewable Energy	Identify capacity and expertise in the	Cheshire West		Timescale

	Communities should be offered professional and technical help and assistance from the Borough Council where available on the installation and provision of energy production, including solar, electric, solar, and thermal, wind, heat-pumps and biomass.	Council or externally through the help of partners to provide professional and technical assistance to communities on schemes that will deliver increased levels of energy efficiency.	and Chester Council Locality Teams and Parish Councils to feed request for assistance to technical advisors.	Number of requests leading to installations Mechanism to be in place to enable Communities to access professional and technical advice.	December 2013 Resources: Housing Capital Programme of £200,000 with additional funding via Cheshire West and Chester Council's Domestic Energy Scheme Provider. Contact : Georgina Patel Private Sector Housing Cheshire West and Chester Council
7	Domestic Energy Efficiency There is already a good deal of information available to the public on how they might access home insulation assistance. We must ensure that all socio-economic groups have access to this information and are able to benefit from the opportunities currently on offer.	Develop a borough wide offer of energy efficiency measures for all tenure groups similar to that of 'Cheshire West Warm Zone.' Identify areas / household types with high levels of fuel poverty and target with advice and assistance on energy consumption and saving initiatives. Note:	Cheshire West and Chester Council, and Partners Cheshire West's Affordable Warmth Steering Group Private Sector	Reduction in Excessive Winter Deaths (EWD) Reduction on the numbers of households in fuel poverty Improve the Borough's average Standard	Timescale December 2013 Resources: Housing Capital Programme of £200,000 with additional funding via Cheshire West and Chester Council's Domestic Energy Scheme

		Cheshire West and Chester Council is working collaboratively with other local authorities to develop a partnership- based scheme to provide an Energy Saving Service which creates a single point of contact for residents who want domestic energy advice and assistance. Cheshire West and Chester Council have already worked with landlords to: - Highlight the benefits of energy efficiency measures - Provide small match-funded grants to members of the Cheshire Landlord Accreditation Scheme for energy efficiency work. - Promote LESA (Landlord's Energy Savings Allowance), a tax relief on certain energy efficiency improvements funded by the landlord via newsletters and forums.	Housing Team	Assessment Procedure (SAP) rating of private housing Decreased CO2 reductions from domestic energy Number of measures installed (e.g. insulation etc) Tonnes of carbon saved Adoption of a renewed Affordable Warmth Strategy 20-13-2106 which will include measures and targets	Provider. Contact : Georgina Patel Private Sector Housing Cheshire West and Chester Council
8	Domestic Energy Information To better inform people of their energy use, the Council should	Disseminate information and advice to all residents in the Borough on how they might best help themselves to reduce their own energy consumption,	Cheshire West and Chester Council	Number of hits on relevant Council Web Pages.	Timescale 2013/14 Resources:
	promote and market technology that can help to demonstrate levels of energy consumption and the	either through the use of technology or by adjusting their behaviour. Energy companies already lead on	Private Sector Housing Team	Number of householders	Existing resources with Cheshire West

	measures that can be taken to address them, (smart metering).	much of this promotion, but opportunities may arise where the Council could also provide information and advice.		switching to cheaper fuel tariffs	and Chester Council Contact : Georgina Patel Private Sector Housing Cheshire West and Chester Council
9	Green Deal A fit-for-purpose partnership to be established to drive and co-ordinate the Green Deal programme. Put in place a sub-regional working group and commit resources to take full advantage of the Green Deal. This may include the formation of a dedicated team that is supported by partners.	Develop a new Specification to tender for an area-based scheme across the Borough to include advice and assistance on energy saving including routes to preferred Green Deal and Energy Company Obligation (ECO) partners. The council has 20 Carbon Saving Community Areas and is working towards profiling the housing stock in each area to identify the areas that best meet the ECO objectives. Note: Cheshire West and Chester Council is working collaboratively with other local authorities to develop a partnership- based scheme to provide an Energy Saving Service which creates a single point of contact for residents who want domestic energy advice and	Cheshire West and Chester Council, and Partners Private Sector Housing Team Cheshire West and Chester Council Affordable Warmth Steering Group Contract management by Cheshire West and Chester Council Private Sector Housing Team	Domestic Energy Scheme Provider appointed to have in place an area- based scheme to advise on energy savings/ installations etc. Commission new Service Provider in partnership with neighbouring Authorities	Timescale December 2013 Resources: Housing Capital Programme of £200,000 with additional funding from the Home Heating Cost Reduction Obligation, Carbon Emission Reduction Obligation and Carbon Saving Community Obligation via Cheshire West and Chester Council's Domestic Energy Scheme Provider.

		assistance. In addition, Cheshire West and Chester Council has worked with private landlords and informed them that The Energy Act 2011 contains powers so that from 2016 landlords should not be able to refuse reasonable requests for consent to install Green Deal measures from their tenants. Also that from April 2018, all private rented dwellings should be brought up to a minimum energy efficiency standard rating, likely to be set at EPC rating E.			Georgina Patel Private Sector Housing Cheshire West and Chester Council
10	Information To influence behaviour, we need to raise people's awareness and understanding of the issues. We should improve the targeting of information to key audiences, raising people's awareness and understanding of the scale of the issues we face, for example the level of our carbon emissions and what individuals can do to address this.	Influence behaviour using a number of tools, including the targeting of advice and guidance, using exiting channels and networks. It may be possible to use good practice from other authorities where behaviour has been influenced via a targeted campaign or through the use of incentives.	Cheshire West and Chester Council Private Sector Housing Team Cheshire West and Chester Council Affordable Warmth Steering Group	Number of hits on relevant Council Web Pages. Number of promotional events	Timescale December 2013 Resources: Existing resources within Cheshire West and Chester Council Contact : Georgina Patel Private Sector Housing Cheshire West and Chester Council

## 2. Low Carbon Developments

Co	Commitment: We will take action to ensure that future developments are low carbon and resilient					
	Housing and Development	Next Steps Actions	Delivery and Governance	Measure	Timescale and Resources	
11	Local Plan Local Planning Policy set by the Local Development Framework will need to incorporate Carbon Reduction Targets that cover the Local Plan area and not just parts of the Borough.	The Draft Local Pan (Part One) Strategic Polices will be submitted to the Secretary of State for examination following a period for public consultation. Further detail, including site specific allocations will be set out in Part Two of the Local Plan. This will rely on political direction and support informed by evidence to ensure developments consider the opportunities through renewable energy on site and linkages off site. Cheshire West and Chester Council will ensure the Local Plan promotes sustainable development through low carbon and resilient developments. Feed comments and advice to the Local Plan consultation stages (Part Two). Work alongside the Strategic Planning Team to help shape planning policy.	Cheshire West and Chester Council (Strategic Planning Team) Feed into the Local Plan process. Using the formal consultation processes and informal officer discussion.	Inclusion of strong sustainability policies in the Local Plan towards adoption. Ensuring that the Local plan has embedded strong sustainability policies that will emerge to be taken to Inquiry Stage of the Plan Regular progress reports presented to the joint Member/ Officer group.	Timescale Spring 2014 Resources: Use of existing resources and capacity within the Spatial Planning Team to take policies through the Local Plan process. Contact : Louise Hilder Spatial Planning Team, Cheshire West and Chester Council	

		The Local Plan should make reference to Government's ambitions for residential and non-domestic development to be delivered to a zero carbon standard by 2016 and 2019 respectively.			
11	<ul> <li>Low Carbon Developments</li> <li>Target Developers using levers such as planning policy and building control to help move new building and refurbishment schemes closer towards meeting zero-carbon standards.</li> <li>See also 20</li> </ul>	Targets are now in place which aims to bring new development in line with Zero Carbon standards. Affordable Housing has been given a target year of 2016, and Commercial development a target year of 2019. Building Control through the use of Building Regulations is to be the main tool to ensure targets are met. Note: While Cheshire West and Chester Council's planning service can promote developers to work towards zero carbon developments, until the detail emerges from the Local Plan, we must use existing building regulations.	Cheshire West and Chester Council	Number of buildings achieving Zero Carbon standards. Number of new buildings achieving Code for Sustainable Homes Level 4, 5 and 6.	By 2016 (for Housing) By 2019 (for Commercial development) Resources: Use of existing resources and capacity within the Development Control Team to ensure enforcement Contact : John Adcock/ Gary Shields, Building Control (Planning), Cheshire West and Chester

					Council
13	Community Infrastructure Levy The Borough's Community Infrastructure Levy will need to produce a "Charging Schedule" that sets out the rate to be levied, but must be justified by evidence such as the economic viability of new development and the area's infrastructure needs. In listing potential infrastructure projects that support growth and benefit the local community, the Borough should consider adding energy efficient schemes such as District Heating installations. http://www.planningportal.gov.uk	Influence the Charging schedule to reflect the ambition to support District Heating Installations. Ensuring that this ambition is taken through the development process and is given Member support through the work of the Commission. This will however need to be considered against the long list of other infrastructure priorities for the Borough including transport schemes.	Cheshire West and Chester Council (Spatial Planning / Finance) Cheshire West and Chester Council CIL approval process. Will need to be taken to Executive and Council to develop as Council policy.	Through Allowable Solutions, explore the opportunity to develop a Local Community Scheme Inclusion of District Heating Systems / Installations on the Charging Schedule.	Timescale Post Local Plan Resources: Use of existing resources and capacity within the Spatial Planning Team Contact : Antony Hodge Spatial Planning Team, Cheshire West and Chester Council
14	Information The Borough should review the way information is made available to the Public. There may be scope to improve how some general planning information is communicated. Perhaps the Planning Authority could pull together all relevant guidance regarding permission for energy efficient schemes, for domestic properties and small business developments. http://planningguidance.planningportal.gov.uk/	Use Cheshire West and Chester Council Council's internet site to signpost on guidance and information on the introduction of energy efficient schemes. This should follow national guidance where available e.g. through the http://www.planningportal.gov.uk	Cheshire West and Chester Council	Number of hits on Cheshire West and Chester Council web pages Number of sign-postings to "Planning Portal"	Timescale Spring 2014 Resources: Use of existing resources and capacity within the Web Team/ Planning Team Contact : Damian

					Beaumont Web Team, Cheshire West and Chester Council
15	Design Guide Put in place a Design Guide to help avoid ambiguity and to give a clearer steer to aid development that delivers renewable energy benefits.	There is already a great deal of free advice and information available on various web-sites that are regularly updated and give the best technical and relevant information on energy efficient building design. As an Authority we should be able to sign-post to these sites and sources of information, rather than produce its own dedicated Design Guide. <u>http://www.planningportal.gov.uk</u>	Cheshire West and Chester Council	Number of hits Number of sign-postings to "Planning Portal"	Timescale Spring 2014 Resources: Use of existing resources and capacity within the Web Team/ Planning Team Contact : Damian Beaumont Web Team, Cheshire West and Chester Council
16	Pre-application support In order to be more pro-active, the Borough may want to consider pre-application discussions with developers and energy companies, to consider or help identify energy efficient measures. Local Authorities might also be in the best position to broker partnerships between developers and energy companies in advance of schemes being	The Council already undertakes pre-applications discussions with developers. Where possible energy efficient measures are always encouraged by the Council. The Local Plan will set out an "allowable Solutions" policy.	Cheshire West and Chester Council	Number of pre- application discussions concerning energy efficiency etc. Adoption of Allowable	Timescale Spring 2014 Resources: Use of existing resources and capacity within Planning

	drawn up. <u>https://www.gov.uk/government/consultations/next-steps-to-zero-carbon-homes-allowable-solutions</u>	Note: Department of Communities and Local Government have recently launched a consultation on a core component of the zero carbon definition – Allowable Solutions. This consultation offers industry the opportunity to comment on key considerations for a viable Allowable Solutions mechanism.		Solutions Policy" in the Local Plan in 2014	Contact : John Adcock/ Gary Shields, Building Control (Planning), Louise Hilder Spatial Planning Team, Cheshire West and Chester Council
17	Neighbourhood Plans In developing Neighbourhood Plans Communities should be encouraged to consider the introduction of Energy Efficient measures. This will need to be developed through the various hand-holding mechanisms. Note: Parish and town councils and neighbourhood forums can apply for grants of up to £7000 or direct support through the Department of Communities and Local Government's 'Supporting Communities in Neighbourhood Planning programme':- http://mycommunityrights.org.uk/neighbourhood- planning/	Ensure the offer of assistance from Cheshire West and Chester Council to Communities wishing to undertake a Neighbourhood Plan, includes guidance on the introduction and best use of energy efficient projects. This should sit alongside the provision of new development proposals and consideration of community energy generation projects. Building on the good practice examples found in the Borough to extend the knowledge and learning to other communities. Where communities/ neighbourhoods are developing Neighbourhood Plans a further	Cheshire West and Chester Council, Cheshire Community Action Use existing Neighbourhood Plan and Parish Plan networking arrangements to disseminate good practice and guidance.	The number of Neighbourhood Plans supported that put forward proposals for energy efficient projects.	Timescale Ongoing Resources: DCLG grant and other resources Use of existing resources and capacity within the Spatial Planning Team to support Neighbourhood plans. Contact : Catherine Morgetroyd

		opportunity now exists for local areas to consider the introduction of energy efficient projects and proposals. Note: Currently, Cheshire West and Chester Council is supporting the development of 20 Neighbourhood Plans.			Spatial Planning Team, Cheshire West and Chester Council
18	Planning support Planning is recognised as playing a key part in the way in which energy efficient measures are integrated and developed, it is therefore essential that Planning in terms of policy and development management is considered alongside every stage of the Inquiry.	Central role of Planning is highlighted in the final report, which must now be translated into policy proposals for the Local Plan. The Commission to continue to feed comments into the formal planning process (Part Two of the Local Plan) to help shape emerging policy and informally work alongside the Spatial Planning Team. The planning system is a key way in which the Council can influence the energy performance of new and existing buildings. There is significant potential for renewable energy generation in our area, as detailed in the evidence base for Local Plan.	Cheshire West and Chester Council Formal local plan route to feed comments on policy through the consultation process and development of detailed policy in Part Two of the Local Plan.	Adoption of robust Energy efficient policies in the Local Plan. Delivery of these polices in a positive and flexible manner taking a promotional approach to encourage developers to incorporate energy efficient measures.	Timescale Ongoing Resources: Use of existing resources and capacity the Planning Team Contact : Jon Sutcliffe Planning, Cheshire West and Chester Council.
19	Behavioural Change	A pro-active approach to be	Cheshire West and Chester	Number of	No additional
	Getting the best use of technology installed in new properties must go hand in hand with influencing	drawn up with the help of developers on how to raise customer's awareness of the	Council	case studies locally/ demonstration	resources required.

	behavioural change. Greater levels of awareness should be introduced to go beyond a "passive" informational approach that aims to raise awareness, to one that uses a range of social marketing approaches, such as one-to-one contacts to better inform and educate and follow up reminders and refreshes.	new technology they will have access to in new developments. Consider using Cheshire West's Web site to signpost. This should follow national guidance where available. Greater use of the "Planning Portal" could be promoted through the Council's web-site.		sites.	
20	Zero Carbon developments See also 12 Setting industry standards and enforcing building regulations is more of a stick rather than carrot approach. More might be done to readdress this, perhaps incentivising house builders to go beyond just meeting the accepted standards. Local Authorities may have a part to play by being more flexible and having a better understanding of some basic land economic issues.	Targets are now in place that aim to bring new development in line with Zero Carbon standards. Affordable Housing has been given a target year of 2016, and Commercial development a target year of 2019. Building Control through the use of Building Regulations is to be the main tool to ensure targets are met. Note: While Cheshire West and Chester Council's planning service can promote developers to work towards zero carbon developments, until the detail emerges from the Local Plan, we must use existing building regulations.	Cheshire West and Chester Council	Number of buildings achieving Zero Carbon standards. Number of new buildings achieving Code for Sustainable Homes Level 4, 5 and 6.	By 2016 for (Affordable Housing) By 2019 for (Commercial development) Resources: Use of existing resources and capacity within the Development Control Team to ensure enforcement Contact : John Adcock/ Gary Shields, Building

					Control (Planning), Cheshire West and Chester Council
21	Resilient Communities The needs of those living in the most deprived neighbourhoods should be addressed by ensuring they are accounted for in plans and policies such as flood risk management strategies and Health/Fire/Police emergency contingency plans.	The most deprived areas need to be targeted. Helping its residents to capture opportunities and benefits of action on climate change, through saving on their energy bills, generating income from renewable energy (community schemes). But also helping to mitigate the effects of extreme weather, reducing impacts of flood risks and drought.	Cheshire West and Chester Sustainability and Climate Change Team Locality Teams. Various partner organisations will need to agree a consistent policy that cuts across their services.	Number of Community Resilience Plans developed Population covered by these plans Information available, web hits	Timescale Ongoing Resources: Use of existing resources and capacity within the Emergency Planning Team and Climate Change team Contact : Peter Bulmer Climate Change Team, Cheshire West and Chester Council.
22	Climate Change Adaptation The Environment Agency is recognised as a key partner organisation that can assist in the development of local actions towards the National Adaptation Programme. The commission welcomes the continued support of the Agency and would seek to encourage further support in	Cheshire West and Chester Council to continue to liaise and work alongside the Environment Agency to shape an adaptation programme for our area. To be co-ordinated by the "Adaptation Programme Group" or a similar group that is already in place.	Cheshire West and Chester Council Environment Agency	Development of a Borough wide Climate Change Adaptation Plan	Timescale April 2014 Resources: Use of existing resources and capacity within the Climate

	the development of the Adaptation Programme.				Change team Contact : Peter Bulmer Climate Change Team, Cheshire West and Chester Council
23	Local Plan Environmental Considerations Environmental and climate change constraints placed on development need to be recognised within land use policy by clearly setting out where development is constrained or how we might carry out adaption to mitigate any risks.	Clarity to be provided through the Local Plan, where development is constrained due to high risks and vunerability. Identifying areas of environmental and climate change constraint to be undertaken with the help of key partners such as the Environment Agency. This will include the list of sites under the Assessing Climate Risk and Opportunities for Strategic Sites study. The Local Plan will have in place a site specific allocations document. This will be complementary to policies covering mitigation and adaptation.	Cheshire West and Chester Council Environment Agency and Partner Agencies Policy suggestions on land use policy to be taken through the formal local plan consultation process.	Inclusion of strong mitigation and adaptation policies in the Local Plan, to be taken to Inquiry Stage of the Plan towards adoption.	Timescale Spring 2014 Resources: Use of existing resources and capacity within the Spatial Planning Team Contact : Louise Hilder Spatial Planning Team, Cheshire West and Chester Council.
24	Regeneration	Use the Ellesmere Port	Cheshire West	Number of new	Timescale

	Key regeneration programmes in the Borough should take account and build on the recommendations set out in Vision 2050, for example that "innovations in architecture, building construction and standards, energy generation and infrastructure planning need to be accommodated". (Vision 2050 acknowledges the part new development can play in introducing energy efficient measures, and in particular it notes that institutional, commercial and industrial buildings could be at the forefront of the introduction of low- energy and environmental friendly design).	Regeneration Programme as a test-bed for the recommendations identified by the Commission and Vision 2050. The use of energy efficiency technology in new development and construction is to be a key area of focus. £6m of Regional Growth Fund now allocated to Ellesmere Port. Opportunity to ensure proposals for infrastructure consider how the best energy efficient technology is used. Proposals to be developed and shaped and delivered through the Regeneration Boards.	and Chester Council - Delivery through Regeneration teams.	developments within the Regeneration Programme areas using high level of energy efficient technology and materials. Amount of local energy generated	October/ December 2013 Resources: Additional funding required Contact: Peter Bulmer Sustainability/ Climate Change Team, Cheshire West and Chester Council.
25	Regeneration There is an opportunity to set standards in building design, layout and overall development to strive for greater energy efficiency. The development ambitions that are now being progressed in Chester, Northwich and Ellesmere Port, should be able to demonstrate from the outset how they intend to integrate energy efficient measures.	Use the Ellesmere Port Regeneration Programme as a test-bed for the recommendations identified by the Commission and Vision 2050. The use of energy efficiency technology in New development and construction is to be a key area of focus. Proposals to be developed and shaped and delivered through	Cheshire West and Chester Council Ellesmere Port Regeneration Board	Number of new developments within the Regeneration Programme areas using high level of energy efficient technology and materials.	Timescale October/ December 2013 Resources: Additional funding required Contact: Peter Bulmer

	the Regeneration Boards	local energy generated	Sustainability/ Climate Change Team, Cheshire West and Chester Council.
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#### 3. Sustainable Waste Management

Commitment: We will take action to ensure that we reduce the amount of waste generated, more waste is reused and recycled with increasing guidance and information for people to take action.

	Resource Management and Waste	Next Steps Actions	Delivery and Governance	Measure	Timescale Resources	and
26	Performance data More rigorous monitoring and data collection should be undertaken to better inform decision makers. Gaps in data highlighted by the Commission include the amount of waste the Borough imports and exports, the number of "waste miles" undertaken to transport waste and the geographical spread of waste in terms of its generation, disposal and treatment.	The waste need assessment report 2012 for the Borough looks at the movement of waste in and out the area based upon Environment Agency site return data. The report has been produced to inform the new Local Plan policy on waste. The movement of waste is influenced by the waste market and contracts. The waste need assessment will be updated regularly to provide the most up to data picture of the waste movements available. Comprehensive data will continue to be collected on Local Authority Collected Waste.	Cheshire West and Chester Council Cheshire West and Chester Council Local Plan team to provide up to date position on waste data for the Borough in the Waste	The waste needs assessment to be updated regularly to provide the most up to data picture of the waste movements available.	Timescale: Ongoing Resources: Existing staff resources wi Cheshire We and Chester Council Contact : Louise Hilder Spatial Planr Team, Chesl West and	thin est r ning

		The Council should recognise the need to improve data collection in relation to Commercial and Industrial and Construction, Demolition and Excavation Waste and continue to support exercises that seek to improve data collection for these streams at the regional and national level alongside other agencies such as the Environment Agency.	Need Assessment Reports and Annual Monitoring, Environment Agency		Chester Council
27	Waste to Energy A clear strategic Borough position is required on the approach to the allocation and construction of "waste-to-energy" facilities to help plan for the management of waste.	The Local Plan Scheme Part One sets out the Councils' strategic planning policy position for new waste management facilities including energy from waste. The waste need assessment was updated in 2012 it sets out the capacity of existing and planned waste management capacity in the Borough and is being used to inform the emerging policy in the Local Plan. The Local Plan (Part One) safeguards three strategic sites for energy to waste use.	Cheshire West and Chester Council Policy to be developed through the Local Plan.	Further strategic position on the approach to "waste-to-energy" facilities is to be developed by the Council.	Timescale: Ongoing Resources: Existing staff resources within Cheshire West and Chester Council Contact: Louise Hilder Spatial Planning Team, Cheshire West and Chester Council
28	Information The following Actions could be undertaken by Cheshire West and Chester Council:-	Recycle First News to be distributed to all households in the borough twice during 2014. Providing information and advice on the Recycle First service. Summer 2013 Recycle First News was delivered in June. The next edition will be delivered	Cheshire West and Chester Council to be accountable for	Regular Recycle First News update bulletin and website. Waste reduction	.Timescale: Ongoing Resources: Existing staff resources within

	<ul> <li>It is suggested that Residents are better informed about where waste goes, as this question is often raised by people in the Borough.</li> <li>Support "waste reduction volunteers". Although not new there is some merit in trying to re-launch and invigorate and aim to work closer with Communities and volunteers.</li> <li>Actively encourage Community Composting and help create greater local community ownership.</li> </ul>	<ul> <li>in November 2013.</li> <li>New         <ul> <li>http://www.recyclefirst.info/thehome.php</li> <li>, in partnership with May Gurney,</li> <li>including interactive map showing</li> <li>where collected materials go for</li> <li>recycling and animations showing how</li> <li>the recycling process takes place.</li> </ul> </li> <li>http://www.recyclefirst.info/volunteers.php</li> <li>To reach out to the wider community and</li> <li>inspire the public to change their thinking</li> <li>about waste. Promotion of how to</li> <li>become a volunteer in next Recycle First.</li> <li>Ellesmere Port and Neston area is being</li> <li>used as a pilot area for Community</li> <li>Composting.</li> <li>Recommendations from the Community</li> <li>Composting Network's Scoping Study will</li> <li>be implemented.</li> </ul>	monitoring and the reporting of targets.	volunteer project – Recruit and train new volunteers, especially targeting the areas where there are no volunteers Community Composting in Ellesmere Port. Investigate setting up one large scale community composting site and one small scale site.	Cheshire West and Chester Council Contact: Jody Sherratt / Cath Evans: Waste Management, Cheshire West and Chester Council.
29	Business Advice Cheshire West and Chester Council, Chester University and the Chambers of Commerce are working in partnership to provide a joined-up service to Small and medium sized businesses. There is scope though the Riverside innovation Centre to provide advice on trade waste.	Riverside Innovation Centre (RIC) is to be the first point of contact for business and Commerce on a wider range of business related issues, including business advice, finance, inward investment, account management and exporting support. The one-stop-shop approach to be used to provide businesses with advice on trade waste.	Cheshire West and Chester Council / Riverside Innovation Centre partners To be	To be included as an additional service offered by RIC and channelled through the Council's Growth Advocates	Timescale: Effective from January 2013 Resources: Existing staff resources within Cheshire West and Chester

			managed as part of the Business Growth Service.		Council Contact: Iain Paton, Economic Development Manager, Cheshire West and Chester Council
30	Low Carbon Communities Network Cheshire West and Chester Council is best placed and should therefore take on a co-ordinating role for the "Low Carbon Communities Network". Note: Working with Energy Projects Plus to apply for funding from The Lottery's Reaching Communities fund for a 3 year network support and project development	Continue to support and provide partner capacity to the Carbon Communities Network.	Cheshire West and Chester Council and Partners	Set base line monitoring from Jan 2013 Number of groups supported Numbers of individuals active in each group Additional project resources secured Outputs from individual projects: energy generated, CO2 saved, waste recycled	Timescale: Jan 2014 onwards Resources: The Lottery (approx £150,000) Ongoing support from existing staff resources within Cheshire West and Chester Council. Contact:

31	Neighbourhood Working Need for a greater involvement of local Communities - Put in place a series of local hearings at different locations of the Borough for the	Identify local community networks that can be used to communicate and disseminate information and initiatives on sustainability and climate change.	Cheshire West and Chester Council and partner networks.	Number of local hearings/ meetings/ forums	Peter Bulmer Sustainability/ Climate Change Team, Cheshire West and Chester Council. Timescale: Ongoing Resources: Existing staff resources within
	benefit of local residents, providing them with the opportunity to meet with policy makers and practitioners. Neighbourhood plans also provide communities with the opportunity to have a part in influencing and shaping their local area.		Locality Teams. Local area teams to provide the focus and some capacity to help involve local communities.		Cheshire West and Chester Council. Contact: Localities Managers, Localities Directorate Peter Bulmer Sustainability/ Climate Change Team, Cheshire West and Chester Council.

32	Recycling	For Household Waste only:	Cheshire West and	60% Recycling Target for 2013/14	Timescale:
	Continue to increase recycling rates and reduce the amount of waste going to landfill. Further actions can be taken by the Borough, working with industry to manage this approach.	<ul> <li>60% Recycling Target for 2013/14 for household waste.</li> <li>Annual Improvement Plan within waste collection contract with May Gurney to develop the service and strive for increased recycling rates for household waste.</li> <li>Future projects being investigated to increase recycling for household waste includes mattress recycling, road silt recycling, and recycling at all flats / communal properties in partnership with May Gurney and the Cheshire Furniture Reuse Forum.</li> <li>Develop bulky waste collection contract in Partnership with May Gurney and the Cheshire Furniture Reuse forum to maximise reuse and recycling of all bulky waste collected.</li> </ul>	West and Chester Council to be accountable for monitoring and the reporting of targets	Target for 2013/14 for household waste. Annual improvement plan Additional recycling streams Implementation of bulky waste collection and reuse	Ongoing Resources: Existing staff resources within Cheshire West and Chester Council Contact: Alison Butler, Waste Management, Cheshire West and Chester Council.

## 4. Low Carbon Transport

Cor	Commitment: We will take action to promote more sustainable methods of travel and transport, including the need not to travel.						
	Transport and Accessibility Next Steps Actions Delivery and Measure Resources						
			Governance				
33	Behavioural Change	New opportunities continue to be	Cheshire	Number of events	Timescale:		
		identified to maintain the	West and				
	Behavioural change is recognised as a key	Authorities momentum on	Chester	Number of people	Annual		

factor in helping to turn around people's	influencing people's behaviour on	Council	engaged	monitoring
travel habits. Cheshire West and Chester	transport choices and travel			report
Council and partner agencies should	habits. The Local Sustainable	Delivery of	Number of Travel	D
continue to encourage behavioural change	Transport Fund provides the most	the LSTF	Plans produced	Resources:
by delivering softer transport measures.	recent opportunity for the Authority. This funding will enable	through Cheshire	Annual workplace	Existing LSTF
	a package of sustainable	West and	staff travel	and staff
	transport measures to be	Chester		resources
	delivered in the West of the	Council as	surveys.	within
	Borough to the value of £13.354	the	Survey results	Cheshire West
	million by 2015. Measures fall	accountable	recorded on itrace	and Chester
	under the following three themes:	body for the	and outputs	Council
		fund.	reported	Contrati
	Improve local access for			Contact:
	longer distance commuter trips		Annual modal shift	Bethan
	<ul> <li>Improve local trips to work</li> </ul>		Jobs supported	Edwards,
	and training			Local
	• Smarter Choices, marketing		Additional GVA	Sustainability
	and promotion		created	Transport
				, Fund Project
	Outcomes include:		Amount of car	Manager
	<ul> <li>support 17,000 local and</li> </ul>		journeys recued	
	regional jobs		Number of new	Lucy Low,
	<ul> <li>creating £333 million of additional GVA per annum to</li> </ul>		public transport,	LSTF Team,
	the local economy		cycling and	Cheshire West
	<ul> <li>annually take 8.6 million km</li> </ul>		walking trips	and Chester
	of car journeys off the road;		Annual transport	Council.
	• create 0.7 million of public		carbon emissions	
	transport, cycling and walking		reductions	
	trips, per			
	• annum;			

		<ul> <li>reduce annual carbon emissions by 903 tonnes;</li> </ul>			
34	Transport Infrastructure Transport infrastructure is important in helping to support economic growth, but in setting out its key infrastructure needs Cheshire West and Chester Council also needs to identify transport infrastructure that makes a contribution towards meeting carbon reduction targets and helps to build resilience to severe weather events.	<ul> <li>Working through the Local Transport Board and the Local Enterprise Partnership to identify transport infrastructure priorities.</li> <li>The LEPs Strategic Economic Plan will set out key transport infrastructure. This plan should also include aligning and pooling local authority capital and revenue spend on growth – particularly on housing, transport, economic development and regeneration, planning and infrastructure.</li> <li>The plan also needs to show the local authority commitment to growth (including asset management strategy) to unlock resources for investment.</li> <li>Major schemes to progress include: <ul> <li>New Bus Interchange (£14M)</li> <li>Newbridge Road Access (Ellesmere Port)</li> <li>Holyhead to London electrification</li> </ul> </li> </ul>	Cheshire West and Chester Council, Local Enterprise Partnership, Local Transport Body and partners. Decisions on key transport schemes to be made by the Local Transport Body (LTB). Member input through the LTB.	Key transport infrastructure identified in the LEPs Strategic Economic Plan, along with funding and delivery details (to follow) Details of how the LTB will integrate into the new decision making structure.	Timescale: Plan: October 2013 Delivery: 2015 + Resources: Cheshire West and Chester Council Capital Programme Major additional resources required e.g. LGF, LTP (£8M), ESF etc. Support and development though existing staff resources

		<ul> <li>Halton curve</li> <li>Manchester/ Northern Hub</li> <li>High Speed 2</li> </ul>			within Cheshire West and Chester Council and the Sub Regional Transport Board Contact: Jamie Matthews, LTP Team, Cheshire West and Chester Council.
35	Transport Planning Reducing the need to travel and the distances we need to travel to access key services should underpin some of the key spatial and transport policies in the emerging LDF and LTP.	Commission to work closely with the Spatial Planning team to ensure policies reflect sustainability principles, including reducing the need to travel long distances.	Cheshire West and Chester Council Ensure policy is influenced on the Local Plan and the Local Transport Plan	Ensuring that the Local plan has embedded strong policies to support reductions in the need to travel. Regular progress reports presented to the joint Member/ Officer group.	Timescale Spring 2014 Resources: Use of existing resources and capacity to take policies through the Local Plan process. Contact : Jamie

					Matthews, LTP Team, Cheshire West and Chester Council
36	Information via New technology. The bid to the Local Sustainable Transport Fund (LSTF) is a major opportunity to test and deliver new approaches and technology, for example the use of mobile apps for specific platforms based on market demand. This development would provide the Council with an opportunity to 'push' specific information to customers. Cheshire West and Chester Council to continue to investigate the use of new technology.	<ul> <li>Put in place project details for the use of new technology in the LSTF programme. The following proposals are now being worked up in detail:-</li> <li>Improve local access for longer distance commuter trips</li> <li>Improve local trips to work and training</li> <li>Smarter Choices, marketing and promotion</li> </ul>	Cheshire West and Chester Council Internal facing proposals on how the authority uses technology.	Itrace hits / outputs Annual global modal shift Number of people changing travel modes	Timescale: Annual monitoring report Resources: Existing LSTF staff resources within Cheshire West and Chester Council Contact: Lucy Low, LSTF Team, Cheshire West and Chester Council.
37	Mobile and Flexible working New technology has to be fully embraced	Cheshire West and Chester Council to continue to investigate and introduce new technology into the everyday operation of the	Cheshire West and Chester Council	Flexible working (hot desking/ remote working) in all CWAC offices by April 2014	Timescale Ongoing Resources: Use of existing

38	and rolled out through the whole organisation, but in order to make the greatest and most efficient use other complimentary measures must also be allowed to operate alongside, such as flexible and home working policies.	<ul> <li>Authority through:</li> <li>Flexible, using personal/ laptop computing in the office/ remotely with core processes</li> <li>Mobile: not in an office/ home environment, on the move using smart phones etc, with lightweight systems processes/ app based access.</li> <li>Work in partnership with the Cheshire Public Sector Family through the Public Sector Network in delivering multi agency, multi tenanting working.</li> <li>High-speed fibre broadband will be rolled out to around 96 per cent of Cheshire, Halton and Warrington homes and businesses in the next three years under a £28.5 million project between four Cheshire councils and BT.</li> </ul>	Cheshire Public Sector Family BT Cheshire	High-speed fibre broadband delivered by December 2016	resources and capacity within the ICT/ Mobile and Flexible Working Group Secured funding through The Connecting Cheshire Partnership of £28.5M for high-speed fibre broadband Contact : Chris Marsden ICT , Cheshire West and Chester Council Chris Capes, Cheshire West and Chester Council
30	Transport Emissions Need for continued investment in Bus and	Ellesmere Port	West and Chester	Borough wide emissions	Ongoing
	Rail is recognised by the Commission to	Boughton	Council		Resources:

	help manage the impact of transport emissions. Cheshire West and Chester Council and partners should have an investment programme in place that clearly sets out how Bus and Rail services are to be supported and delivered in future. Note: Links into the development of the new Chester Transport Strategy, due to be adopted early in 2014. Opportunity to develop in 2014 a borough wide Air Quality Management Strategy, which would include Low Emissions strategy, Action plan etc.	<ul> <li>Others areas under assessment:</li> <li>Liverpool Road/ Parkgate Road gyratory, Chester</li> <li>Lower Watergate Street, Chester</li> <li>A56/ Fluin Lane, Frodsham</li> <li>Investment in a number of key bus routes have supported lower emissions such as: <ul> <li>Park and Ride routes</li> <li>Wrexham Sapphire route</li> <li>Frodsham and Helsby</li> </ul> </li> <li>Links into Taxi licensing to upgrade fleet to reduce emissions, planning policy, Cheshire West and Chester Council procurement, fleet replacement</li> </ul>	Bus operators	Reduction of local emissions in AQMAs Reduction in the number of Air Quality Management Areas (AQMA) Actions agreed to reduce borough- wide during 2014 and local emissions through AQMA plans (Ellesmere Port existing, Boughton 2014)	Use of existing resources and capacity. Additional funding via grant aid e.g. Clean Bus Technology Fund Contact : Steve Williams Integrated Public Transport Team Graham Aveyard Environmental Protection , Cheshire West and Chester Council
39	Cross Border Transport There should be more collaborative work with our neighbouring Authorities, particularly where there is already a great deal of good practice in place with a commitment to investment in new technology that improves passenger information and introduces smart ticketing.	A number of cross-border studies and partnership working groups are already in place which aims to improve transport links between where people live and work, with a particular focus on greater integration for public transport.	Mersey Dee Alliance (MDA) MDA to Work with Taith to develop cross border priorities for	Development of multi-modal and cross-border ticketing schemes Public transport network that provides high quality access to employment sites	Timescale and Resources– on going, but dependent upon the availability of resources from

		The Mersey Dee Alliance works across national and local authority borders helping to co- ordinate transport priorities. Recent work has been completed (supported by the Welsh Government and Taith) on the North East Wales Integrated Transport Report. Many of the measures recommended are reliant on Government funding both in Wales and here in England through the Local Transport Body Progress on the implementation of recommendations is set out in the NE Wales Integrated Transport Study that impact on cross-border travel.	transport investment.	A rail modernisation business case to consider how frequencies of service and journey times between North Wales and key destinations in the North West can be improved. Development of better integrated cross-border delivery mechanisms.	Governments and a continuation of cross-border working groups to help co-ordinate delivery. Contact – Jamie Matthews / Fil Prevc, Cheshire West and Chester Council
40	Public Transport Strengthening public transport should be a priority for our functioning economic area (covered by the Local Enterprise Partnership "LEP") which is 75% self- contained in terms of people living and working in the same geographical area. The LEP area covers Cheshire West, Cheshire East and Warrington.	Good local transport links are essential, providing sustainable choices for residents to access employment. These links are to be considered in terms of the provision of key transport infrastructure and the provision of improved services (frequency, quality and reliability).	Cheshire West and Chester Council Local Enterprise Partnership Local	Bus patronage data for key services to be base lined, collected monthly and assessed annually. Park and Ride numbers based on	Timescale: Ongoing Resources: Existing £1.2M Public Transport Supported

			Transport Body	number of tickets issued per site. Rail patronage collected by DfT station exits and entries, as well as station interviews.	Bus Budget Community Transport service Contact: Steve Williams, Integrated Public Transport Team, Cheshire West and Chester Council. Lucy Low, LSTF Team, Cheshire West and Chester Council
41	Cycling The emerging cycling strategy has to be integrated where appropriate to other policy areas where cycling can have a direct impact and deliver positive outcomes,	The Council has now adopted a new Cycling Strategy which provides a clear policy guide that will help increase cycling levels in the borough and help to influence	Cheshire West and Chester Council	To increase the number of people cycling at least once a week by 25% by 2015 To secure a	Timescale: 2015 with annual monitoring

particularly in terms of Sustainability and Health and Wellbeing. Note: Cheshire West and Chester Council's Cycling Strategy for the Borough www.cheshirewestandchester.gov.uk/cycling sets out suggested plans, proposals and targets to make cycling more popular and encourage more people to take up cycling as their first choice particularly for shorter trips.	local infrastructure schemes. The strategy also sets out suggested plans, proposals and targets to make more people to take up cycling as their first choice particularly for shorter trips.	25%increase in the number of people in the Borough who cycle at least five times a week by 2015 Additional indicators will be monitored e.g. Permanent counters identified in Chester and Ellesmere Port. Station interviews and key infrastructure sites.	Resources: Existing staff resources within Cheshire West and Chester Council Contact: Jamie Matthews, LTP Team, Cheshire West Lucy Low, LSTF Team, Cheshire West and Chester Council
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#### **Details of Governance arrangements:**

The actions, measure and targets that form the basis for our Climate Local Commitments have been developed through the Borough's Sustainability Commission of Inquiry. The Final Report and Action Plan "A Sustainable and Resilient Future for West Cheshire" was approved in December 2013. The Council's Corporate Scrutiny Committee has now been tasked to take on the overall responsibility for monitoring the delivery of the plan. This will involve reporting progress to Corporate Scrutiny Committee every quarter on all the 41 Actions. Where targets are not being met Corporate Scrutiny will be able to ask for and identify blockages or hurdles to their delivery. Where the Council can act to address these and a decision is required, recommendations will be made to Executive. Where Actions are identified as having been met, Corporate Scrutiny will be able to undertake a check and if satisfied provide an endorsement.

\*Present AQMA's

http://www.cheshirewestandchester.gov.uk/residents/pests\_pollution\_food\_safety/pollution\_and\_air\_quality/air\_quality\_review\_and\_assessm.aspx