

Appendix B

Potential new Carbon Management Projects identified 2011-12.

Project	Description/Issue	Status/Deadline
Corporate Buildings		
Strategic feasibility against owned assets	Feasibility of micro renewable energy generation technology on Council property and estate (linked to LAA). The renewable energy workshop highlighted above will deliver the first element of this.	New – Renewable energy workshop held 11 th Jan 2012
IT energy saving	Enforce energy saving mode on all standard desktops PC'S and peripheral IT equipment	New
Use of thermal paints in building refurbishments	Thermal paints can reduce energy consumption by around 10% by acting as a reflector for infrared wavelengths. Building ~ 10,000 sq meters would take 500 cans of paint @ 5 litres per can, £19.95 each = £9,975. Potential savings 10% of energy £1,475 p.a. 46,093 kWh of gas saved p.a. 8.8t CO2 saved p.a.	New
Delamere House – TRV's	Install Thermostatic Radiator Valves to all radiators in Delamere House, possibly funding through Salix finance. This will have to be delivered in parallel with an awareness raising campaign for it to be effective.	New – Identified as possible Salix bid
Hand Dryers in core buildings	Replace inefficient hand dryers in main corporate buildings	New – Identified as a Salix fund project
Building /staff optimisation	Linked with staff travel management and IT there may be a potential to rationalise where staff are located in relation to their role, requirement for mobility etc. There may also be an opportunity to coral staff to populate fewer buildings at time of low demand or public holidays and closed buildings to save energy and carbon.	New
Car Share	Our subscription to the car share Liftshare website is due to expire in March 2012. The cost to re subscribe would be £2500 over 2 years.	Ongoing
Time switches	Time switches fitted to vending machines, cooling machines and hot water boilers in main corporate owned buildings	New
Sustainable procurement zero waste	CEC currently has a swap shop arrangement with Shared Services, however it is not clear how effective this is as it is not currently monitored.	New
Internal Recycling	This project is already underway and has already delivered over £20k + pa of savings in the 7 buildings rolled out.	Ongoing – Will be rolled out to Pym's Lane and Dalton House W/C 30/1 with £2k savings identified

Schools		
Salix Loan scheme to schools	£20m of Salix funding is currently on offer for energy efficiency projects which payback within 5 years. Min £500 and maximum £5000.	New - £108k Salix bid proposed for for 3 school (Wilmslow High, St Marys Primary and 1 other) to intstall voltage optimisers (£24K annual savings with 4 yr payback)
Transport		
Car Parking charges	Financial mechanism to encourage staff to use more sustainable means of travelling to and from the workplace	New
Pool bikes		New
Pool Car 'We Car' Grey Fleet scheme	Enterprise car hire have claimed that they are able to save the council over £1.2 million	New
Street Lighting		
Lyme Green Depot Lighting	Replace yard lighting with LEDs	New
Pyms Lane Depot Lighting	Replace yard lighting with LEDs	New – Funding secured for this project
Monitoring & reporting		
Improved billing/data for Gas	Similarly for electricity billing and data collation already completed, improved billing and data for gas will benefit in terms of highlighting areas where we are paying for bills that are not ours (including historic) and giving more accurate an timely data to target efficiency improvements and any future investment.	In progress
Accurate meter Readers for buildings	As part of the WMS contract, there is a rolling programme of installing AMRs, currently at a rate of 30 per month.	In progress – Installation programme scheduled through 2012
Awareness raising/knowledge		
Checklist for developments/projects	Integrating carbon and energy efficiency considerations in project development and planned maintenance by including a checklist approach which could either be presented as an online tool or spreadsheet	New
Communications Schedule & Plan	Communications have been enhanced through putting in place a carbon management communication strategy and schedule which aims to raise the profile of our successes but to also inform how everyone can contribute to carbon savings and why it is critical to the council	Ongoing

E-Learning module	Introduce basic environmental training for staff through e-learning modules	In progress – to be launched in 2012.
Carbon Accounting training	Many departments are willing to act but were unsure how to assess financial budgets and accounts against the calculations needed for carbon management. This project will assist in embedding carbon management in to the central planning processes of the Council's annual improvement cycle and should initially be trialled with a few services.	New – Presentation finalised and will be rolled out to Service Delivery teams
Show carbon use for meetings	Build into the Room Booking System as a guidance to raise awareness of drawing people from multiple locations to a meeting in terms of cost and carbon	New
Benchmark schools performance	This is to be suggested as part of the current Low Carbon Schools Programme and the data from the baseline tool developed by the assets energy team could easily pull out a schools performance raking to encourage competition and incentivise schools to reduce consumption	New
Site Management Guidelines for Schools	Booklet/schools bulletin (all schools). This has already been discussed as one of the outputs of the Low Carbon Schools Programme and a straightforward guidance booklet should be put together and issued in the schools bulletin for schools caretakers/maintenance officers to show how simple checks and measures can reduce energy usage. Estimated minimum 352 tCO2 based on the assumption that greater awareness is more likely to result in positive action to reduce energy use and emissions. Estimated at £31,437 per year allowing for reduced energy use	New
Buildings Carbon Checklist	To consider each of the Council owned properties against the Carbon Trust's checklist on an annual basis and to publish these.	New
Carbon Management Policy	Adoption of a Carbon Management Policy and inclusion in Corporate Plan	New – Carbon Management included in corporate risk register
Carbon Management in Job Descriptions appraisals	The aim is to make each member of staff aware of their personal responsibility for carbon management and the positive contribution that they can have on reducing the Council's carbon footprint. By including carbon management in the annual staff appraisals with the aim of keeping up the initiative and gaining feedback from staff on both the existing regimes and proposals for further savings. Training and advice could also be included in the induction for new staff.	New
Carbon Management Staff Survey	Staff survey to be conducted to explore perceptions of carbon management and in particular transport use	New – survey completed.
Carbon Management in ASPIRE for excellence awards	Inclusion of award category for staff who demonstrate excellence in taking action to reduce our impact on the environment.	New To be trialled in 2012.