Agenda Item 12

Report to:	**Audit and Best Value Scrutiny Committee**
Date:	**19 June 2008**
By:	**Deputy Chief Executive and Director of Corporate Resources**
Title of report:	**Carbon Management Plan Annual Report**
Purpose of report:	**To advise Members of progress made since the adoption of the Carbon Management Plan by Cabinet on 19 April 2005**

RECOMMENDATIONS: to

(1) note the report and comment on progress and content of the Action Plan; and

(2) agree that progress continue to be reported annually to the Committee.

1. Financial Appraisal

1.1 The County Council has made provision in the capital programme of £350K a year from 2009/10 for Sustainable Building Design for Capital projects. In addition, in 2008/09, one-off funding of £175K for 'Climate Change - sustainable building initiatives' and £150K for 'Climate Change - general sustainability initiatives' has been made.

1.2 In June 2007 Cabinet agreed an additional £125k for both 2007/08 and 2008/09 to the Corporate Resources Directory Property base budget for "Sustainable Building Initiatives" All the agreed Projects for 2007/08 are being implemented and further agreed projects for 2008/09 are being developed. £127,750 of external grant has been awarded from Salix, a subsidiary of the Carbon Trust, for the period 2006/07 to 2008/09 to establish a fund for energy saving projects. Match funding for this is provided from the Council's "Invest to Save" budget of the same period.

1.4 Projects are individually assessed to ensure good value for money through return on investment and or life cycle analysis.

2. Supporting Information

2.1 The Carbon Management Action Plan was approved by Cabinet on 19 April 2005 (Minute number 148), superseding the Corporate Property Energy Strategy. It is implemented, monitored and managed by the cross-departmental Carbon Management Group. The Carbon Management Action Plan has a target to reduce CO_2 emissions by 14% (5,317 tonnes CO_2) by 2009/10 compared to the base year 2001/02 figure of 37,977 tonnes CO_2. This would represent a 27% reduction from the 'business as usual' projection. Cabinet also agreed that a report be made annually to the Audit and Best Value Scrutiny Committee on progress against the plan and its review. This is the third annual report.

3. Current Position

3.1 The actions adopted in the Carbon Management Action Plan, and progress against these, are set out in Appendix 1 to this report.

3.2 In 2007/08 projects such as a biomass boiler, roof insulation, occupancy lighting controls, boiler burner management controls and improvements to plant room insulation were implemented that will save an estimated 1,934 tonnes CO_2 per year. The table below shows how the Carbon Management Action Plan has reduced the County Council's CO_2 emissions. The County Council has already exceeded its target of a 14% decrease from the base year figures by 2009/10 and if this trend continues the target could be exceeded by 8%.

ESCC Carbon Footprint		
Year	Tonnes CO_2	% Change from base year
2001/02 (Base Year)	37,977	-
2002/03	37,657	-0.8
2003/04	37,159	-2.2
2004/05	36,978	-2.6
2005/06	33,876	-10.8
2006/07	32,443	-14.6
2007/08	30,509	-19.7 (re 3.4 below)
2008/09	29,723 (estimated)	-21.7

3.4 The savings from the purchase of 'green' electricity represent approximately 74% of total footprint savings and are only guaranteed whilst 'green' electricity is available. Tenders for new electricity contracts will be invited and assessed in accordance with the Council's Procurement Strategy (incorporating sustainable principles). Even with 'green' electricity, comparison with Boroughs and Districts shows that we are paying a competitive unit price for electricity.

4. Looking Ahead

4.1 Key challenges will be continuing to work corporately with T&E to develop the emerging Climate Change Strategy and ensure effective monitoring and reporting for the CLG new National Performance Indicators NI185 'CO2 reduction from local authority operations' and NI194 'Level of air quality in NOx and primary PM10 emissions through the local authority's estate and operations'. This is likely to require a revision of reporting to Committee in future years. The requirements of the European Directive for production of Display Energy and Energy Performance Certificates will be another key challenge.

4.2 The Council is to take part in a pilot Carbon Trading Scheme (CTS) in preparation for the live scheme in 2010. This will enable ESCC to understand the likely direct cost, resource implications and how trading may work to enable effective management of the risks.

4.3 Following the successful installation of biomass heating boilers at Beacon Community College in Crowborough, biomass boilers are planned at Ringmer Community College which could save up to 200 tonnes of CO_2 per year whilst eliminating exposure to fossil fuel cost increases. Initiatives planned are; closer working with ICT partner organisations for sustainable IT equipment, lighting conversions using efficient lamps and occupancy lighting controls, installation of voltage regulators, and potential for use of other renewables. We will seek to secure further funding and support from Government Agencies and Utilities to augment environmental schemes funded from capital and revenue budgets.

4.4 A Corporate Sustainable Building Policy which sets minimum standards for new build, refurbishment and maintenance work, giving further CO_2 savings will be reported to Cabinet for adoption and rolled-out to Consultants, Contractors and in-house staff through training sessions for effective implementation during 2008/09.

5. Conclusion and Reason for Recommendation

5.1 The Carbon Management Action Plan has exceeded the overall target ahead of programme. It is also proving valuable in helping attract external funding. The views of the Scrutiny Committee on progress and the content of the plan are welcomed.

SEAN NOLAN
Deputy Chief Executive and Director of Corporate Resources

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Alex Sava, Policy Performance Asset Manager Tel No. 01273 481508
Local Member: All
BACKGROUND DOCUMENTS – None

CM1	East Sussex County Council's objective is to manage our assets better, in order to reduce energy consumption and consequential greenhouse gas emissions, thereby reducing adverse impacts on our environment and to help preserve the natural beauty of East Sussex.					
	What we hope to achieve	**What we will do and when**	**How we will measure our success**	**RAG**	**Comment / Current Position**	**Contact**
CM1.1	Ensure that the energy strategy is linked to and supports the wider Carbon Management Group (CMG) initiative developed from the Audit and Best Value Scrutiny Committee report to achieve a 14% reduction of CO_2 emissions by 2009/10 based on 2001/02 baseline of 37,977 tonnes CO_2.	Achieve adoption by Chief Officers Management Team (COMT) Update the actions from this plan on a regular basis and provide a report to the Carbon Management Group (CMG) to fit with their meeting timetable.	CMAP adopted by COMT CMG fully informed on the progress being made towards meeting the goals of the energy strategy action plan and a 5317 tonnes CO_2 reduction on 2001/02 emissions.	G	Report submitted to COMT 21 March 2005 and approved at Cabinet on 19 April 2005. Bi-monthly updates to be provided to the CMG. 19 June 2008 report to Audit & Best Value Scrutiny Committee. Footprint and savings on base year: - 01/02 = 37,977 tonnes = Base year footprint. 02/03 – 37,657 tonnes = -0.8% 03/04 – 37,159 tonnes = -2.2% 04/05 – 36,978 tonnes = -2.6% 05/06 – 33,876 tonnes = -10.8% 06/07 – 32,443 tonnes = -14.6% 07/08 - 30,509 tonnes = - 19.7%	John Morris Rex Heasman/Chris Horwell
CM1.2	Improve the overall energy performance of the Council's portfolio of buildings through monitoring NAPMI Key Performance Indicator – Environmental Property Issues PMI 2A, B & C and identifying areas for improvement actions.	Update annually the league table of all operational properties to show the Normalised Performance Indicator (NPI) for each for comparison with Government published data on an annual basis. Identify poor performing properties to target for further investigation in order to identify improvement strategies/schemes.	List of properties identified for surveys/investigation. A year on year improvement in energy performance of the operational properties portfolio.	G	League table produced and poor performing buildings identified for further investigation. Four energy surveys with reports obtained from 'Action Energy' to assist in targeting buildings. Data is being collected for the new NAPMI KPI which has to report annually.	Rex Heasman/Chris Horwell

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CM1.3	To demonstrate and promote the potential of wood as a fuel by installing biomass fuel boilers in selected ESCC properties in accordance with ESCC Biomass Fuel Boiler Strategy.	Implement one trial site during 2006/07 and if successful strategy to be adopted for all appropriate capital/revenue boiler projects.	Trial installation completed and evaluated. Further installations commissioned and installed.	G	Biomass strategy approved by Cabinet 6/4/04. Scheme for Beacon Community College developed and it is estimated that it will save 600 tonnes CO_2 per year. 17/11/05 Interim report produced. 27/04/06 T&E Scrutiny C'ttee report agreed. 22/05/06 CRD Lead Member approval. July 06 SEEDA agree £50K contribution. Boilers commissioned in Jan 07 and monitored during 2007 - performance reliability and savings confirmed. Scheme for Ringmer CC being developed by Consultant for phased installation in 2008-10. Bexhill High School also plan to install biomass boilers.	Rex Heasman/Peter Bowley

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CM1.4	Establish the potential for ground source heat pumps for heating of ESCC buildings in support of renewable / sustainable energy initiative.	Review performance by March 2006, and apply to other projects the lessons learned, from the Park Mead School hall extension.	Completion of review	G	Scheme at Park Mead installed during 2004 and operational since January 2005 (winter only. Consultant report indicated summer operation not viable for this scheme). Analysis of the system performance has been assessed and it is estimated that 18 tonnes CO_2 is being saved annually. Rye School £100k approved from Capital Programme for ground source heat pump. Ringmer School 6th Form installed and to be commissioned during 2008. Other Possible schemes: - Bexhill High School	Rex Heasman/ Capital Projects Team Leader/Chris Horwell
CM1.5	To reduce the amount of CO_2 produced by ESCC's use of electricity.	Ensure that each time a tender is produced for procurement of electricity that it includes an option to purchase all or a percentage of electricity generated from renewable sources and if economically viable to take-up the option at the contract stage. Target: 50% from renewable sources.	Percentage of electricity supplied to ESCC provided from renewable sources.	G	Approximately 97% of ESCC electricity is now supplied from green, saving around 3760 tonnes of CO_2 in a full year. County Hall, representing 6%, has been 'green' since October 2002. There are two contracts, the half-hour which is agreed to October 2008, and the non-half hour (NHH) contract which has been renewed to 30 September 2008. The NHH green credentials have improved from 'good quality CHP' to true green generated from renewables.	Rex Heasman/Chris Horwell
CM1.6	Reduction in electricity consumption through voltage regulator control.	Evaluate potential for installation of pilot systems at County Hall, St Mary's House and the Ringmer Depot.	Outcome of evaluation and possibility of installation.	A	Exploring potential with supplier for the installations. Potential energy savings of up to 14% (159 tonnes CO_2) per year could be achieved. Technical issues have delayed installation and these now need to be resolved before installation proceeds. Installation to go ahead at Claverham Community College by September 2008	Chris Horwell

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CM1.7	Energy efficient design for all capital works schemes incorporating best practice and consideration of current environmental management guidance.	Ensure that Consultants use the ESCC Environmental 'Sustainable Building' Brief and proactively challenge design assumptions. Use of 'life cycle analysis' techniques for new-build capital projects and extensions to existing buildings to select the most appropriate environmentally friendly technology.	Capital schemes completed with lower environmental impact and improved energy performance in terms of usage per square meter of floor area.	A	Project Officers to challenge schemes design brief. Targets of energy use per square meter of floor area to be incorporated into briefing documents. Sustainability Checklist to be used on a suitable capital scheme. (Jan 06) A number of schemes that are being undertaken using BREEAM and at the design stage achieved the following rating: - Wivelsfield School – Pass Rye School – Good White House School – Good Final rating is done once construction is completed.	Rex Heasman/Capital Projects Team Leader
CM1.8	Improve 'Sustainable Building' brief.	Review update and revise the brief during 2007/08 to make it target based with more measurable outputs.	Sustainable building brief produced and actively used by Project Officers and Consultants.	G	The ESCC "Corporate Sustainable Building Policy" has been developed It is ready for inclusion with the contract documents for the new framework agreement with the Council's capital works Consultants. Role out including training workshops will be undertaken in 2008/09 subject to adoption by Cabinet.	Rex Heasman/ Matthew Powell

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CM1.9	To improve the efficiency in use of water resources within ESCC buildings.	To undertake a programme of water surveys at high usage sites identified by the monitoring and targeting system and implement appropriate measures for reductions.	A measurable reduction in the amount of water used by each building.	G	League table produced and poor performing buildings identified for further investigation. Water efficiency improvements will save energy through reduced pumping costs and hot water heating costs. County Hall has been surveyed by the water company and was assessed at 'best practice' level. A survey was undertaken at St Mary's Hse. and Beaconwood and a number of good house keeping measures were implemented during 2nd quarter 2006/7. Two schools are being monitored by South East Water, one with controls and one without controls as a benchmark. Broad Oak was selected for the controls and these were fitted during 1st quarter 2006/07. Some substantial savings have been achieved and a more detailed analysis will be available by the end of September 2007. The potential for a term contract for servicing of automatic urinal controls is to be investigated (corporate buildings already covered). Five large school sites are to be offered a free survey by a controls company. Five smaller schools to be offered a survey by the Energy Engineer.	Rex Heasman/ Chris Horwell

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CM1.10	To evaluate the potential of further boiler burner management controls to save energy in existing buildings and if successful develop an implementation strategy.	Install controls at County Hall for close monitoring and report findings by February 2004. Review outcomes from installations at County Hall and 14 Social Services premises and develop strategy to roll out from 2005/06.	Trial controls evaluated and if savings possible strategy for implementation at other sites in place.	G	Controls fitted at County Hall, Priory School and 14 Social Services premises in 2004/05 and will produce savings of 330 tonnes of CO_2 in a full year with a return on investment of 14 months. These controls will be rolled-out to other sites in a controlled way. Summer 2005 software updates were installed that will provide a further 3% saving providing a return on this investment of ten months. 4th Quarter 2006/07 seven schools fitted with BMU's, funded from INTERREG, will save 180 tonnes CO_2 in a full year. A further 2 sites have been identified that will save 18 tonnes CO_2 and these were installed during the second quarter of 2007/08. Roll out to all suitable schools' boilers identified through ongoing survey programme fund installations through Salix fund (installed at 6 schools 2007/08)	Rex Heasman/Chris Horwell
CM1.11	Establish effectiveness and energy saving potential of variable speed drives for control of heating pumps. If proved to be successful implement roll-out to other sites and include in capital schemes.	During 2005/06 install a variable speed control for the heating pumps at County Hall to match the heat delivery to demand of the building. Problem of zone valves 'letting-by' due to over-pumping eliminated, giving rise to improved room temperature control and reduced energy consumption.	By installation and measurement of consumption.	G	The installation of No.1 pump at County Hall took place in March 2006 and its operation was monitored during the 2006/07 heating season. Savings of up to 50 tonnes of CO_2 per year have been achieved, No.2 pump at County Hall is now to be installed during 2008/09.	Rex Heasman/Peter Bowley

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CM1.12	Accurate records of consumption and cost for energy and water supplies at each property on the Council's property portfolio.	Energy and water billing data input onto the monitoring database within one month of receipt of the invoice. Maintain an accurate and up to date monitoring and targeting database of consumption and cost records for each supply at each property. Install Automatic Meter Reading (AMR) facilities to produce accurate data Where possible ensure that suppliers provide billing information electronically. Upgrade monitoring database to enable electronic invoicing to improve accuracy and analysis of data	All billing data input within defined timescale. Up to date reports available to identify trends and anomalies in consumption usage. AMR installed at all sites Increase in Council's suppliers providing electronic data. Electronic invoicing implemented	A	Energy database has been in place for a number of years providing good historical records for each building. Resources to be managed to cope with periods when large volumes of energy and water invoices are received in order that information is input within agreed timescale. There has been a change of supplier for all the group contracts. Gas is being billed correctly by the current supplier. About 5% of sites, formerly supplied by British Gas, are awaiting final invoices once all earlier queries have been resolved, with completion expected by end July 2008. About 30% of sites, formerly supplied by Powergen, are awaiting final invoices, but the resolution of earlier queries is more involved due to parent company and system changes. About 15% of sites have problems with British Gas, the previous supplier, and those related to final invoices are expected to be resolved by end July 2008. Included in the figure are about 3% of sites with major queries that have prevented billing. There are two suppliers that could potentially provide billing data electronically and this is to be investigated once the billing issues are resolved.	Rex Heasman/Chris Horwell

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CM1.13	Assist ESCC Schools in improving their overall energy performance in support of DfES requirements.	Update annually the league table of all schools to show the Normalised Performance Indicator (NPI) for each for comparison with Government published data on an annual basis. Identify poor performing schools and provide report to each advising for further investigation in order to identify improvement strategies/schemes. Provide energy surveys for schools identifying measures they can take to improve energy efficiency	List of schools identified for reports, advice and surveys/investigation. A year on year improvement in energy performance of the schools portfolio. Energy survey reports provided to schools and measures implemented	G	Performance information reports were sent to schools via Czone in March 2006. Assistance is provided to those schools buying into the energy and water management service offered as part of the 'Service to Schools' package. Efficiency measures and the EM Service were promoted at the 'Schools Trade Fair' on 12th October 2006. 16 Schools surveyed by Energy Officer 2007/08. 10 schools being surveyed by the Carbon Trust.	Rex Heasman/Chris Horwell

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CM1.14	Secure sources of external and matched funding partnerships to improve value for money and increase the potential of marginal energy efficiency schemes being completed.	Work with T&E Environmental Coordinator, Andy Arnold, to monitor and identify funding opportunities from Government, the EU and other organizations to apply for at least two external funds per year. Assist in applying for funding where approved and agreed or promote source of funding to budget holder e.g. schools where project funded direct. Provide advanced warning of schemes that could benefit from funding to try and match potential funding with the project timing.	Number of sources of funding identified and successful outcome of bidding for funds.	G	Successful bid to INTERREG won £50K of funding for the period June 2005 to June 2007 to support the following projects; 1. £20K plant room insulation to 17 sites. 2. £10K boiler controls to 17 sites. 3. £10K County Hall heating pump control 4. £5K Ringmer CC's wind turbine 5. £5k Beacon CC biomass scheme Funding of £50K from SEEDA has been agreed for the Beacon biomass scheme. Up to £10K SESEP funding is available towards costs for feasibility studies for renewable schemes. Potential projects identified and reports to be put forward: - 1. Heathfield CC - done 2. Ocklynge School – done 3. Filsham Valley School – done Low Carbon Buildings Programme funding secured for installation of renewables at: 1. Seaford Head Community College 2. Whitehill Infants School 3. Ocklynge School 4. Grovelands Community Primary Successful bid to SALIX won £127,750 of matched funding to support projects such as Voltage Regulators and plant room insulation. 12 schools have signed up to SALIX Schemes as of May 2008	Rex Heasman/Chris Horwell

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CM1.15	Raise staff awareness on the implications of their energy use with resultant reduction in wasted energy.	Provide support to the annual energy awareness campaign which is run to coincide with the Government's Energy Saving Trust's 'Energy Efficiency Week'.	Annual energy awareness campaign implemented.	G	To gain support for energy saving at County Hall the following was undertaken: i) Publicised work done to improve the heating system though boiler refurbishment, boiler burner controls. ii) Publicity campaign during Energy Efficiency Week. Use was made of, Core Brief, pc start-up and shut-down flash screens & slide shows on display screens in ESCCape and County Hall entrance plus a manned stand in the entrance foyer. Awareness raising in 2006/07 was undertaken in the form of advice labels as detailed under CM1.16.. Initiatives during 2007/08 were: Production and distribution of energy advice leaflet Information and guidance provided on the intranet. 'Switch off' reminder labels where equipment is left on. Presentations at Bursar Forums. Energy survey reports to schools provide guidance on awareness raising	Rex Heasman/Chris Horwell

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CM1.16	Assist staff to identify ways in which they can help to minimise use, or reduce waste of energy and water.	Produce a 'Good Housekeeping Guide' for staff that can be promoted on the Council's Intranet site by 30/09/05. Provide regular updates and new information to keep it fresh and relevant.	Intranet information available for staff reference.	G	A good housekeeping guide has been developed and available to staff on the Intranet since summer 2005 and this was publicised via the Corporate Brief. It is planned to update and refresh this document in 2007/08. To highlight areas of waste it has been agreed that the security contractor will leave pre-prepared labels on desks where lights or equipment have been left on. Suitable labels have been developed for implementation twice a year – start of heating season and in the spring each year.	Rex Heasman/Chris Horwell
CM1.17	Economy in use of lighting at County Hall	Install passive infra-red lighting controls	Through consumption data	G	Will automatically switch off lights in unused areas. Three prices obtained but the claimed savings appear high & will be confirmed through testing. Test floor, East C installed Novo6 and being monitored. Predicted saving of 3 tonnes CO_2 per year. East E stairwell and toilet lighting controls trialled initial savings suggest suitable for roll out to the rest of Count Hall	Rex Heasman/Chris Horwell
CM1.18	Lower heating fuel consumption	Provide additional insulation to plant rooms in County Hall and 14 Social Services premises. A further 17 sites to be upgraded.	Through consumption data	G	1st phase of 15 sites completed in November 2005 and expected to save 130 tonnes CO_2 per year. 2nd Phase of 14 sites have been done and this is expected to save a further 70 tonnes CO_2. Following the schools trade fair 8 schools had additional plant room insulation fitted during the 4th quarter of 2006/7, funded from INTERREG, and this will save 179 tonnes CO_2 in a full year.	Rex Heasman/Chris Horwell

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					Ongoing survey programme identifying suitable schools' plant for implementation with Salix funding (6 sites installed 2007/08)	
		Improved control of heating at County Hall	Through consumption data	A	Some areas are being over heated. Alternate floors in the stairwells have been turned off to control overheating in these areas. A more detailed survey of the heating system was undertaken during the 4th quarter of 2006/7 and a number of adjustments were made to set-points to improve control. The survey also identified a number of faulty valves and these being replaced. Carbon Trust Heating module identified further measures that are being assessed for implementation	Rex Heasman/Chris Horwell
CM1.19	Better management control over fuel consumption	Provide training to Controllers of Premises	Through roll-out of training	G	Controllers of premises are responsible for day-to-day management of many buildings. A slot has been included on the 'Controller of Premises' training to get the energy and water saving message across to this key section of the ESCC workforce.	Chris Horwell
CM1.20	Purchase of green electricity for street lights	Seek to achieve 25% green electricity on re-tender in October 2006	By evaluating outcome of tenders	G	6% of street lighting electricity was supplied from green sources in October 2005. Following the tender in October 2006 this has now increased to 100% green saving around 1793 tonnes of CO_2 in a full year. The contract is due for renewal in September 2008. The re-tender will be combined with re-tendering property electricity contracts, and managed by Chris Horwell in CRD.	Andy Arnold/Simon Hall
	Reduce proportion of	Reduce the number of sign-lighting	By measuring the	A	ESCC follows the national traffic signals	

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CM1.21	illuminated street signs	lanterns	change in numbers p.a.		manual to guide which sign-lighting lanterns to use and where. There's a general trend to reduce the requirement for the number of illuminated signs, however it's not cost-effective to disconnect existing lanterns and replace with another system (eg. diamond-grade reflective signs). Instead, signs are disconnected after they've been damaged. This brings a very small energy saving, both because each lantern is only an 8 or 11watt fluorescent tube and because this applies to only a small number of lanterns p.a. The number of illuminated signs has increased from 4317 in April 2007 to 4586 in April 2008 (a 6% increase), due to the implementation of highway improvement schemes.	Andy Arnold/Simon Hall
CM1.22	Reduce CO_2 from the street lighting maintenance contract	Improve the fuel efficiency of the vehicles used by the contractor to deliver the service, and manage the mileage travelled.	By implementing the contract requirements and monitoring vehicle mileage	A	Fuel efficiency of contractor vehicles: the new contract, which started in September 2005, requires Colas to use vehicles that are less than 6 years old. In 2006-7 Colas replaced 3 vehicles with Euro IV models, which produce less CO2 because newer vehicles achieve higher engine efficiency and exhaust emission standards. In 2007- 08 Colas continued this trend and replaced one of their larger crane lorries, therefore benefiting from a further Euro IV vehicle. Managing contractor mileage travelled: 1. in 2007-8 Colas will begin repairing single day burning street lamps when they are	Andy Arnold/Derek Cox/Ron Collins

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					spotted by their engineers, rather than scouting for them and repairing them on separate journeys. During 2007-8, of the 720 day burning street lamps, 233 (32.4%) were repaired on-route. 2. All Colas maintenance vehicles have been fitted with a tracker system to help manage speed and mileage. Colas is supplying ESCC with their monthly fleet mileage figures, and in 2008 we will compare the mileage data for 2007-8 with the baseline obtained for 2006-7. 2006/07 = 806,290 Kms 2007/08 = 414,949 kms -48.5%	
CM1.23	Lower CO_2 emissions from ESCC vehicles	Review specification when replacing vehicles.	By change of specification and consequent CO_2 reduction.	G	Lease car contracts are renewed every 3 years, which means that the ESCC lease car fleet is constantly updated with new vehicles that achieve higher engine efficiency and exhaust emission standards, thereby producing less CO_2. The consequence is that there was a 17% reduction in CO2 per g/km in the lease car fleet during 2006-7 when compared with 2005-6. In 2007-8 65 cars were replaced compared to 86 in the previous year. This, together with the lease of more fuel efficient vehicles, has given a combined Co2 saving of 2915 g/km [A decrease of 30% over last year].	Andy Arnold/Derek Cox
	Review of staff travel	Review targets during 2006/07	By adoption of reviewed	G	Commuting mileage: based on feedback to	Peter Hayward/Brian

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CM1.24	plan targets		targets		the staff Travel Plan newsletter in May 2006 income from the County Hall parking charges (approx. £50K) is being spent on: - large discounts on bus travel into Lewes; - new timetable information for buses and trains in/out of Lewes; - improvements to the cycling infrastructure at County Hall; - cycling skills courses for staff; - promotion of the car share club. Business mileage: each Dept will be assisted during 2007-8 to develop a toolkit to manage their business mileage. The tool kit is now due for completion in summer 2008 and will consider how staff commute and travel for business, including setting out a range of drivers that should be considered when developing corporate policies. It will also identify preferred options, such as pool cars, that should be introduced at primary locations.	Deval
CM1.25	Lower CO_2 emissions from pool vehicles	Evaluate use of alternative fuels to reduce CO_2	By leasing vehicles that generate less CO2 per km.	G	T&E are evaluating the options, although the likely outcome in 2007-8 will be a reduction in the number of pool cars, and the replacement vehicles will be more modern and, therefore, more fuel efficient diesel cars. In 2007-8 the review of the pool car fleet led to the number of vehicles being reduced from 10 to 8. These are all low emission diesels (120 g/km) , and therefore the County Council has also benefited from the lowest banding of Road Fund Licence	Derek Cox/Ken Mitchell

CM1	East Sussex County Council's objective is to manage our assets better, in order to reduce energy consumption and consequential greenhouse gas emissions, thereby reducing adverse impacts on our environment and to help preserve the natural beauty of East Sussex.					
	What we hope to achieve	**What we will do and when**	**How we will measure our success**	**RAG**	**Comment / Current Position**	**Contact**
CM1.26	Lower emissions from street lighting use	Periodically review our policy of replacing 35w low pressure sodium lighting with 70w high pressure sodium lighting.	By measuring energy use, CO^2 emissions, and costs	R	There's no statutory duty to provide street lighting, however there are frequent requests for more lighting to help address safety, amenity and fear of crime. ESCC follows BS lighting standards, which includes a zoning approach, as well as the policy adopted in 2002 following a Scrutiny Review that decided to adopt the installation of 70w high pressure sodium lighting rather than 35w low pressure sodium lighting, as this provides a better quality of light. This means that our energy usage on street lighting is currently increasing. There has been no change to this policy, however new lighting technology is currently being reviewed.	Derek Cox/Simon Hall