

Appendix 1 – Progress Towards EMAS Targets 2007/08

Appendix 1 contains two tables that present progress during 2007/08.

Table 1 presents progress towards those EMAS objectives where monitoring data are available and which, in most cases, had an active target in place during 2007/08. It provides a summary of progress since the last data point (in most cases 2006/07), overall progress towards the target where applicable and additional explanation of the trends. Graphs and charts providing a visual representation of the data are provided in Appendix 2 – the Environmental Statement text, along with further detail about action taken to achieve the targets and factors affecting progress.

Table 2 presents those objectives without progress data to report for 2007/08 and summarises the current position in establishing an active target, baseline and ongoing monitoring arrangements.

Table 1 - Summary of progress towards the active EMAS targets 2007/08

Target No.	Environmental Improvement Objective and Target	Change Since Last Data Point	Overall Progress Towards Target	Additional Explanation
1.1	Objective: Reduce the Council's total building energy consumption Target: To 50% of the 1990 level by 2025	No change	Not on track to meet target	The energy used by LCC buildings has remained static from 2006/07. The new Programme of Survey and Investment for LCC buildings to improve energy efficiency and the recruitment of an Energy Officer to tackle behavioural change will help to cut building energy in future years.
1.2	Objective: Increase the Council's use of renewable energy Target: From 0% of the energy requirement of all Council buildings in 1997 to 20% of the energy requirement of all buildings in 2020	- ve	Not on track to meet target	The new energy contract from ESPO stipulates all electricity is generated from 'Good Quality CHP'. There is no 'green energy' (ie. renewables) in the contract due to its dramatic increase in cost as demand has increased. This represents a move away from the target since 2006/07. The Council's existing renewable energy installations (wind turbines, PV, etc.) on its buildings and land are of too small a scale either to make a significant contribution towards the target or to make the installation of monitoring equipment cost effective. As a result, no renewable energy generation data is available from Council sites.
1.3	Objective: Reduce the fuel used by fleet vehicles and the miles travelled by private staff vehicles at work (not commuting) Target (a): Fleet vehicles - Target requires revision Target (b): Private staff vehicles at work – Target requires revision	a) + ve b) + ve	a) Currently no target b) Currently no target	a) 2007/08 saw a significant reduction in fuel used by fleet vehicles from the previous year, but overall usage over the past 5 years has been broadly constant. b) There was also a significant reduction in Council business mileage in staff's own vehicles.

4.1	<p>Objective: Improve air quality in the City</p> <p>Target: By achieving the 4 key point targets set in the Local Transport Plan for air quality (target date 2010)</p>	+ ve	On Track (at 3 out of 4 sites)	<p>At 2 out of the 4 monitoring sites there was a further reduction in rolling average NOx levels, with no change at one and an increase at another.</p> <p>Whilst the Council remains on course to meet its 2010 targets at 3 sites, the new rolling average figures reported all suggest a slowing (or in one case reversal) of the reduction. This is a concern.</p>
4.2	<p>Objective: To reduce car trips to the city centre</p> <p>Target: Change in the number of vehicles crossing the Central Transport Zone cordon from 42,683 vehicles in 2004/05 to 43,963 vehicles in 2010/11</p>	- ve	On track	<p>In 2007/08 41,485 vehicles crossed the cordon. This represents a 1.6% increase on 2006/07, but still leaves the Council in a position to achieve the 2010/11 target.</p>
4.3	<p>Objective (all schools): Reduce the proportion of car journeys to schools</p> <p>Target (all schools): Share of journeys to school by car (including vans and taxis but excluding car share journeys) from 24% in 2006/07 to 22% in 2010/11</p>	- ve	Not on track to meet target	<p>In 2007/08 the share of journeys increased to 24.2% - up from 24% in 2006/07.</p>
6.1	<p>Objective: Increase recycling of household waste</p> <p>Target: To 40% of household waste collected in 2006/07</p>	+ ve	Previous target expired To be rolled forward	<p>The previous target expired in 2006/07, but is proposed to be rolled forward to 2009/10 (see Appendix 4)</p> <p>In 2007/08 the recycling rate increased to 33.5% - up from 27% in 2006/07.</p>
6.3	<p>Objective (all schools): Reduce the amount of school construction waste going to landfill</p> <p>Target (all schools): By ensuring the secondary schools within the BSF programme exceed target 4 from the Continuous Improvement Plan</p>	N/A (First year data reported)	Target met	<p>In 2007/08 the target was met, with only 2m³ of construction waste produced per £100,000 of contract value.</p>
7.1	<p>Objective: Reduce potable water use in Council buildings</p> <p>Target: By 5% of 2006/07 level by 2011/12</p>	- ve	Not on track to meet target	<p>Water use in Council buildings increased by 3% to 225, 260 m³. This is due to fluctuations in billing information. The Programme of Survey and Investment and the pilot project with Severn Trent to cut water use in 20 LCC buildings will help reduce water consumption in the next few years.</p>
9.2	<p>Objective: Ensure prime ecological sites are retained.</p> <p>Target: By ensuring the area of land covered by Council-owned SINC* sites is maintained at 1999 levels and managed according to their SINC schedule (*Sites of Importance for Nature Conservation)</p>	No change	On track but at risk	<p>A complete ecological resurveying of the City undertaken between 2006 and 2008 identified 9 fully or partially Council-owned SINCS in "unfavourable – declining" condition and a further 3 had suffered "significant decline / damage". Without action to reverse this decline, these sites could, in the worst case, be lost as SINCS.</p>
10.1	<p>Objective: Ensure that the Council continues to provide Leicester people with accessible green space.</p> <p>Target: By ensuring that publicly accessible green space covers at least as much land in 2020 as it did in 1994 (863 hectares)</p>	- ve	On track	<p>In 2007/08 there were no acquisitions which led to an increase in publicly accessible open space. The sale of a small site (123 sq. m) resulted in a very small overall loss.</p> <p>However, overall levels remain well above target.</p>

11.1	<p>Objective: Create a sustainable built environment within the city.</p> <p>Target: By ensuring that at least the following percentages of planning applications for major developments apply the City of Leicester Local Plan Policy BE16 with respect to the generation of on-site renewable energy:</p> <p style="text-align: center;">2007/08 75% 2008/09 80% 2009/10 85%</p>	N/A (First year data reported)	On track	Performance in 2007/08 (the first year of reporting) was 84.3% of applications applying Policy BE16. This is well above the target level of 75%.
12.1	<p>Objective: Improve street cleanliness in Leicester</p> <p>Target: By ensuring that less than 15% of relevant land and highways in the city centre has combined deposits of litter and detritus that fall below an acceptable level by 2006/07</p>	+ ve	Target met	Performance in 2007/08 was 6%. Improved from 12% in 2006/07
13.1	<p>Objective: Improve awareness of environmental issues amongst Leicester residents</p> <p>Target: By increasing the number of residents taking 5 or more environmental actions from the 10 listed in the 2005 Leicester Residents Survey, from 25% in 2005 to 30% in 2007/8</p>	Data available mid October	Data available mid October	
13.2	<p>Objective (EMAS schools): Raise levels of environmental awareness and action within schools</p> <p>Targets (EMAS schools): By annually increasing the number of Leicester schools participating in EMAS from 13 schools in 2003/4 to 90 schools in 2010/11</p>	+ ve	On track	During 2007/08 a further 18 schools joined the EMAS in Schools Programme, raising the total to 68 schools - up from 50 in 2006/07.
14.1	<p>Objective: Reduce city-wide carbon dioxide emissions</p> <p>Target: To 50% of the 1990 level by 2025/26</p>	N/A (No figure available for 2007/08)	Not on track (According to 2004 data from the DMU report 2007)	Retrospective data on citywide emissions is now collated at a national level by DEFRA for monitoring of National Indicator 186 each year. Previously this data has been collected at a local level by DMU using a different methodology. A decision will be taken as to the suitability of this new data for the monitoring of this target from next year. If this were agreed it would allow the Council to report progress on this target annually.
15.1	<p>Objective: Reduce the Council's carbon dioxide emissions</p> <p>Target: To 50% of the 1990 level by 2025/26</p>	N/A (No figure available for 2007/08)	On track (According to 2006 data from the DMU report 2007)	From 2008/09, the Council's CO ₂ emissions will be calculated for the reporting of National Indicator 185. This information will be derived from collated energy use data inputted into a DEFRA spreadsheet with standard emission factors per fuel type. A decision will be taken as to the suitability of this data for monitoring this objective from next year. This would allow the Council to report progress on this target every year.

Table 2 - Environmental improvement objectives where targets are under development or data is not yet available

Target No.	Environmental Improvement Objective and Target (where set)	Progress with development of target, data collection/monitoring system or baseline data
1.4	Objective (all schools): Reduce school total building energy consumption Target (all schools): By an average of 1.43 % per annum between 2007/08 and 2025/26	Schools energy data will be collected for NI 185 from 2008/09.
1.5	Objective (all schools): Increase school use of renewable energy Target (all schools): To 20% of energy requirements in 2020/2021	It is likely that the only source of renewable energy available to schools in the immediate future will be whatever they generate themselves through equipment installed on their own sites. It is not cost effect to directly monitor the energy generated from these relatively small installations. For this reason, it probably won't be possible to measure progress towards the current target, and an alternative target which can be monitored will be investigated in the coming year.
2.1	Objective: Reduce the energy consumption of homes within the City Target: By increasing the SAP* rating of houses by 1 point per year (* SAP is a national Standard Assessment Procedure for rating the energy efficiency levels of dwellings)	It is now apparent that there will not be enough data collected from Home Energy Surveys to gain a representative sample of data about the energy performance of private homes. This target will therefore be replaced before the next reporting period with one that can be monitored.
3.1	Objective: Reduce fleet vehicle emissions Target: To be developed	From the end of 2008/09 the Council must report its emissions of nitrogen oxides (NOx) and particulates (PM ₁₀) to the Government for National Indicator 194. The indicator includes emissions from buildings as well as vehicles. A target will be set for reducing emissions from the 2008/09 baseline.
5.1	Objective: Reduce the amount of Council office waste going to landfill Target: By recycling 40% of City Council office waste by 2005/06	Further monitoring methods for this target need to be investigated (eg. installing computer chips in waste bins for Council buildings to measure their weight). A temporary post has been created for two years to reduce the amount of Council office waste going to landfill.
5.2	Objective (EMAS schools): Reduce school waste going to landfill Target (EMAS schools): New target to be developed	Further monitoring methods for this target need to be investigated through discussions with Biffa.
6.2	Objective: Reduce the amount of construction waste going to landfill Target: To be developed	This objective is recommended to be removed, as we have concluded that it is impossible to measure how much of Leicester's construction waste is landfilled. Also, the Council has very limited influence over it .
7.2	Objective (all schools): Reduce potable water consumption in schools used for non drinking Target (all schools): To 5% of the 2006/7 level by 2011/12	Schools water data will be collected when the energy data is collected for NI 185 from 2008/09.
8.1	Objective: Reduce the quantity of paper used Target: Under development	A new corporate print contract started in September 2007 which will allow us to set a new target for a reduction from a 2008/09 baseline.
8.2	Objective: Increase the use of recycled paper Target: Under development	A new set of standards has been developed for recycled paper use (refer to Appendix 4). These are recommended for immediate adoption. They will provide the basis for monitoring progress and setting a target.
8.3	Objective (EMAS schools): Increase the use of recycled paper in schools Target (EMAS schools): By 10% per year from 2007/08 level	A revised target has been recommended for this objective that will simplify data collection (refer to Appendix 4).

9.1	<p>Objective: To ensure key aspects of the natural environment on council-owned land are sustainably managed</p> <p>Target: To be developed.</p>	The system of developing and working to Management Plans is now established and the emphasis of monitoring for EMAS now needs to shift to the <i>outcomes</i> of the Council's management activities: is the quality of the sites being maintained and improved? A revised objective and new target are proposed. See Appendix 4.
9.3	<p>Objective (EMAS schools): To improve wildlife habitats in school grounds</p> <p>Target (EMAS schools): By developing 3 new areas of functioning habitat per school by 2007/08.</p>	A revised objective and target are being recommended. See Appendix 4.
10.2	<p>Objective (all schools): To retain a net area of open space in school grounds</p> <p>Target (all schools): To be developed.</p>	The data collection methodology for this objective is currently being developed through the Property Services PAMIS system.
11.2	<p>Objective (all schools): Create sustainable school buildings</p> <p>Target (all schools): By ensuring that from 2007/8, all new or refurbished schools to exceed* "very good" standards, as defined by BREEAM (*to achieve an overall score of 65%)</p>	<p>No new or refurbished school buildings from the current programme have yet been signed off and assessed under BREEAM. So no data is yet available for this target.</p> <p>A sustainable construction standard for City Council new build and major refurbishment projects is being developed that will form the basis of a revised target for this objective.</p>
13.3	<p>Objective (EMAS schools): To increase environmental education within schools</p> <p>Targets (EMAS schools): To be developed</p>	It is proposed that this objective is removed from the EMAS system, as it is not appropriate for setting and monitoring a quantitative target.