



**ITEM CA8 – ANNEX 2**

**Carbon Management Programme  
Preliminary Progress Report, March 2008**

**Progress against target 18% reduction of CO<sub>2</sub> by March 2012 against 2005/6 levels**

1. During the financial year 2006/7 overall emissions were reduced by 3.96% against the 2005/06 baseline. Figures relating to emissions during 2007/08 will be available in June 2008. The Carbon Management Programme Board will introduce quarterly monitoring in 2008/9.
2. The Carbon Management Programme focuses on the reduction of CO<sub>2</sub> emissions in 4 areas. These are:
  - a. Property – where 66% of our CO<sub>2</sub> emissions occur;
  - b. Street Lighting – where 19% of our CO<sub>2</sub> emissions occur;
  - c. Transport – where 9% of our CO<sub>2</sub> emissions occur; this includes fleet mileage, and business mileage incurred when employees use their cars for work, but does not include commuting to work.
  - d. Waste – landfilling waste produces methane, a greenhouse gas. To estimate its ‘CO<sub>2</sub> equivalent’ requires calculating the CO<sub>2</sub> impact of methane, its ratio is 1 tonne methane: 20 tonnes CO<sub>2</sub>. Even though methane is a very powerful greenhouse gas it is only equivalent to 6% of our CO<sub>2</sub> emissions.
3. Data for waste emissions (6% of footprint) and fleet emissions (2.25% of footprint) was not available for the following reason: at the beginning of the carbon management programme different parts of the council’s estate had different waste contracts; these have changed since the baseline year so it is difficult to compare like for like. In November and December 2007, 40 waste audits were carried out to give an indication of waste produced.
4. Fleet emissions data for the baseline year was initially held by individual fleet managers who recorded mileage on various assumptions (e.g. actual mileage, number of services, fuel use, estimations). Fleet data has since been amalgamated into the Integrated Transport Unit; however, data relating to the 2006/07 is still incomplete

<b>Emissions source</b>	<b>Percentage change on 2005/06 baseline</b>
Property	Minus 6%
Transport	Minus 3.7% (excludes fleet emissions)
Waste	Data not available
Street lighting	Plus 2.16%
<b>Total reduction</b>	<b>3.96%</b>



## Summary of programme activity in financial year 2007/8

### 5. Property

Projects with a total value of £247,000 (Prudential) and £177,000 (Salix) have been undertaken. Completed projects include:

- 20 lighting upgrades
- 3 Power Perfector installations
- 1 swimming pool heat recovery unit
- Several smaller projects

### 6. Street lighting

Projects with a total value of £350,226 undertaken. Projects include:

- Installing more efficient lighting
- Pilot part night switch off scheme in North Leigh

### 7. Carbon Management Capital Funded Projects

£200,000 allocated to fund.

Projects worth £66,757 undertaken in 2007/8. Projects include:

- Office recycling bins
- Audio conferencing software and equipment
- Pool bicycles and equipment
- Installation of SMART electricity meters that display real time energy use and CO<sub>2</sub> emissions
- £106,000 allocated for 'energy bus' to be spent in 2008/9