

APPENDIX 1

Appendix 1: Herefordshire Council Carbon emissions April 2004- March 2009

Estimated Overall CO₂ Emissions 2004-09
(kg)

Year	2004/5	2005/6	2006/7	2007/8	2008/9
	Actual	Actual	Actual	Actual	Modelled
Category					
Landfill					
Leominster	8,466,000	8,466,000	8,466,000	8,466,000	8,466,000
Strangford	2,270,000	2,270,000	2,270,000	2,270,000	2,270,000
Stretton Sugwas	18,528,000	18,528,000	18,528,000	18,528,000	14,366,000
Subtotal - landfill	29,264,000	29,264,000	29,264,000	29,264,000	25,102,000
Transport					
Social care transport (in-house)	51,099	49,051	48,080	49,927	49,927
HC business mileage	970,681	791,428	771,256	790,360	790,360
HC rail warrants	11,792	10,576	11,039	11,039	11,039
Subtotal - transport	1,033,572	851,055	830,375	851,326	851,326
Property					
Gas and electricity	11,138,846	10,247,747	11,001,563	10,301,056	10,301,056
Electricity - half hour use	760,680	760,680	1,427,572	1,615,134	1,615,134
Subtotal - property	11,899,526	11,008,427	12,429,135	11,916,190	11,916,190
Estimated overall emissions	42,197,098	41,123,482	42,523,510	42,031,516	37,869,516
Change from baseline (2004/5)	0 (Base year)	-2.54%	0.77%	-0.39%	-10.26%

This inventory of council emissions includes only data sets that we have for the whole period since the 2005 Carbon Management Plan was agreed.

It shows that over a 5 year period we achieved reductions of just over 10%, well above the 1.25% a year target set in 2005. This is largely due to the commissioning this year of the new flare at Stretton Sugwas, which is burning methane, a greenhouse gas 21 times more powerful than carbon dioxide.

This inventory includes landfill gas because this was included in the 2005 CMAP and associated target. Data for 2008/09 is included in the chart to show the effect of the landfill gas flare at Stretton Sugwas. For other data sets the same figures have been used as the 2007/08 data.

Emissions from landfill gas reduced due to natural decay over the period. However this reduction has not been included, as it did not result from action taken by the authority.

We now have data about many other Council services and their carbon emissions. The full data for 2008/09 will thus include more information and will be entered on the new NI185 template. This will be completed and submitted to DEFRA by July 2009.