

| Activity | Service Area Data supplier | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 comparable | 2007/08 full |
|----------------------------------|--|---|-------------------|-------------------|-------------------|--------------------|-------------------|
| | Carbon figures included in overall total | Carbon figures not included in total - see notes column | | | | | |
| Smallholdings | | | | | | 7278333 | 7278333 |
| Major closed landfill sites | Environment BC al Health | | | | | | |
| Leominster | BC | 9,325,000 | 8,466,000 | 7,792,000 | 7,117,000 | 6,503,000 | 6,503,000 |
| Strangford | BC | 2,393,000 | 2,270,000 | 2,147,000 | 2,025,000 | 1,902,000 | 1,902,000 |
| Stretton Sugwas | BC | 20,491,000 | 18,528,000 | 16,749,000 | 15,031,000 | 13,497,000 | 13,497,000 |
| Landfill subtotal | | 32,209,000 | 29,264,000 | 26,688,000 | 24,173,000 | 21,902,000 | 21,902,000 |
| Social Care transport (in-house) | Prevention Services | 56,788 | 51,099 | 49,051 | 48,080 | 49,927 | 49,927 |
| Education transport | AB | | | | | 2,098,853 | 2,098,853 |
| HC Business mileage | BB | 1004805 | 970681 | 791428 | 771256 | 790,360 | 790,360 |
| HC Rail warrants | | 9688 | 11792 | 10576 | 11039 | 11039 | 11039 |
| Transport subtotal | | 1,071,281 | 1,033,572 | 851,055 | 830,375 | 851,326 | 2,950,179 |
| Stationary sources | | | | | | | |
| Street lighting | | | | | | 2,011,538 | 2,011,538 |

| Cost | Carbon factor applied | Notes |
|----------------------------------|--|--|
| Figures prepared by consultants. | <p>Carbon footprint for tenanted agricultural land owned by the council including energy & fuel, methane from livestock and nitrous oxides. Not included in NI185 or CMAP.</p> <p>LA has a responsibility for these sites though it does not manage them all. For the purposes of assessing the potential scale of emissions from the site, it has been assumed that the waste inputs comprised 70% domestic waste, 20% commercial waste and 10% inert waste.</p> <p>Methane has a Global Warming Potential (GWP) which is 21 times that of carbon dioxide</p> | |
| | | <p>Flare installed in early 2008 should reduce methane emissions.</p> <p>Included in 2005 CMAP but not included in NI185. Excluded from total as figures are reducing as a result of natural decay only.</p> |
| | Miles x 1.609 (miles/kms) x 0.27 CO2 Factor (medium diesel van) | In-house mileage in diesel minibuses |
| | Litres x 2.63 (diesel/litre) | Figure not included in total because only one year's data |
| | Miles x 1.609 (miles/kms) x 0.21 Average petrol car (av diesel car is 0.2) | |
| 0.06 per passenger km | | <p>Assuming round trips, half to London & half to Birmingham: trips (row 16) x 200 miles x 1.609 x 0.06</p> <p>Underestimate: does not include contracted out transport eg social care and contractors</p> |
| c £250,000 | | <p>Street lighting is included in NI 185. Not included in this total because inventory only updated this year. Street lighting energy use is calculated as an Unmetered supply (estimated rather than read) because of the dispersed pattern of the c.11983 lights, 977 Signs, 373 Bollards and 260 Traffic Light Heads = Total 13593 units. Price of supply per unit expected to increase to over 10p when contract is relet in 2009.</p> |

Standard grid factors used: electricity, 0.523 and gas 0.185

Standard grid factors used: electricity, 0.523

0.523 electricity. Gas: x0.185

Data produced by WMS and analysed by EDS. Full assumptions on separate worksheet in this file. 100% Renewable energy purchased between Nov 03 & Nov 07

Calendar year figures supplied by WMS: see also Property assumptions tab

Consumption data provided by Chris Preedy of Scottish & Newcastle. Gas x0.313 to convert from cubic feet to kwh (Digest of UK Energy Stats 2003)

2007/08 full column remains an underestimate: does not include social care contracted transport or emissions from vehicles owned by council or contractors

% in relation to cell F33 as 100%

Reductions in emissions from measures taken by households. Not included in NI185 or CMAP 2005.

0

Cost

Carbon factor applied

Notes

Last update 11/08/08 TM Sustainability Unit