

Greenhouse Gas Emissions from Lancashire County Council's estate and operations.

Scope of report

This report outlines the greenhouse gas emissions from Lancashire County Council's estate and operations in 2009/10 and 2010/11. Unlike earlier reports, such as that produced for National Performance Indicator 185 in 2009, this document reports CO₂e rather than just CO₂ emissions

The emissions included are from

- Energy (gas, heating oil and electricity) used in County Council premises (eg libraries, offices, depots, youth centres)
- Energy (gas, heating oil and electricity) used in Schools (primary, secondary and nursery)
- Electricity used in street-lighting
- Fuel used by fleet vehicles
- Staff business mileage

Some sources of emissions are excluded because of the cost of data collection as they are known or understood to be extremely small. These include fugitive emissions from air conditioning and refrigeration and staff business travel by public transport.

The organisation has been defined according to the same criteria as apply for the Carbon Reduction Commitment Energy Efficiency Scheme, although for the purposes of this report academy schools and the portfolio of properties owned by the County Council's pension fund have been excluded as the County Council does not have any control over the operation of these.

Changes between years

Lancashire County Council has had a programme of investment in energy efficiency improvements in buildings, street-lighting and services over several years. However, energy use for space heating in buildings is dependent on the weather conditions. The data reported here has not been adjusted to take this into consideration.

Conversion factors used

Energy or fuel type	Units	Conversion factor	Reference 2010 Guidelines to Defra/DECC's GHG Conversion Factors for Company Reporting http://archive.defra.gov.uk/environment/business/reporting/pdf/101006-guidelines-ghg-conversion-factors.xls
Electricity (grid)	kWh	0.54522	Annex 3, table 3c, total direct GHG column, 2008
Natural gas	kWh	0.18523	Annex 1, table 1c, total direct GHG column
Gas oil	kWh	0.27533	Annex 1, table 1c, total direct GHG column
Burning oil	Litres	2.5421	Annex 1, table 1b, total direct GHG column
Petrol	Litres	2.32200	Annex 1, table 1b, total direct GHG column
Diesel	Litres	2.67200	Annex 1, table 1b, total direct GHG column
LPG	Litres	1.49200	Annex 1, table 1b, total direct GHG column
Gas oil	Litres	3.02120	Annex 1, table 1b, total direct GHG column
Biodiesel	Litres	2.53970	On basis of specified 5% blend Annex 9, table 9b part iii scope1 total direct GHG column
Staff business mileage	Miles	0.33515	On basis of average car, unknown fuel Annex 6, table 6e, total direct GHG column