



Borough of Poole Carbon Management Programme:

'Reducing Poole's Carbon Footprint for a World Class Environment'

On 9th March 2011 Chris Huhne, Secretary of State for Energy and Climate, signed a Memorandum of Understanding (MOU) with the Local Government Group that recognised the pivotal role that local councils have in tackling climate change. To support the principles of the MOU the Department of Energy and Climate Change have requested that local councils report the greenhouse gas emissions from their own estate and operations. This is in addition to the report required under the Carbon Reduction Commitment.

The GHG report is the successor of National Indicator 185 which required Local Authorities to provide a large inventory of all CO₂ emissions resulting from their operation. NI185 defined the LA operations as the delivery of the relevant functions of a Local Authority which result (either directly or indirectly) in the emissions of CO₂ into the atmosphere. The functions of an authority covered all their own operations and outsourced services. Even if the services were being provided by an external body (e.g. a private company) they remained the function of the authority. This included schools, but excluded social housing.

The Council and the Management Team are committed to playing a leading role in tackling climate change in Poole. Striving for Excellence, the Council's corporate strategy declares that "Reducing Poole's Carbon Footprint" is a corporate priority. This is a powerful message that the Council will make a difference to this in Poole by 2011. The Council recognises that it must lead residents, businesses and public sector partners in a huge effort to adapt to climate change and to reduce CO₂ emissions in Poole.

The Council signed the Nottingham Declaration on Climate Change in 2006, and takes its commitment to significantly reduce our carbon emissions very seriously. One result of this commitment was the decision to take part in the Carbon Trust's Local Authority Carbon Management Programme. Participating in the programme ensures that the Council takes planned and practical steps to reduce its own impact on climate change. An aspirational target was set at the start of the programme that the:

**Borough of Poole will reduce CO₂ emissions
from Council Operations by
25% by 2012/13
from 2007/08 baseline levels**

This Carbon Management Plan was the outcome of the first year of the Programme. It presents a strategy for reducing emissions under the Council's direct control, a detailed analysis of carbon emissions from the Council's operations, and a programme of projects to reduce the Council's carbon emissions over the next five years and beyond.

Since April 2009 the Carbon Management Plan has been working to reduce the energy consumption of the council and reduce both emissions and expenditure as a result.

Carbon Saver Gold Standard

The Council has become the first business & local authority to achieve the Carbon Saver Gold Standard for carbon management policies, procedures and energy & carbon reduction. The award follows three years of work to reduce the carbon footprint of the entire council, ranging from the civic centre, to the crematorium. A key part of the approach to achieving the accreditation is a behaviour change programme for employees. Our volunteer team of staff members known as the CREW (Carbon Reduction Energy Wardens) are responsible for encouraging colleagues to be as energy efficient as possible, by switching off lights, printers and computer screens when not in use.



The CREW are made up of individual staff members representing all of the Council's Service Units who encourage their colleagues to adopt more sustainable work practices with the implementation of no-cost and low cost 'good housekeeping' measures.

These measures have contributed to the council saving more than **£280,000** in Utilities costs during the past two financial years.

Woolly Pully Week

In March 2010 the Borough of Poole ran its first energy saving week. Woolly Pully Week was a week long initiative from 1st to 5th of March designed to raise awareness of the Council's carbon footprint and to provide information as to how all Council employees can contribute to the Council's commitment to reduce CO₂ emissions by 25% by 2013. Each day was themed towards a different aspect of energy saving including Waste and Recycling, Heating Lighting, Power Consumption and Transportation providing helpful tips and initiatives that will raise awareness of in-house green issues in a fun and involving way and show how all Council employees can contribute to a Council wide reduction in CO₂ emissions. The week was so titled because by wearing appropriate layered clothing people can freely adjust to the temperature and saving on unnecessary heating costs.



Green Office Week

In the Spring of 2011 Green Office Week built on the work that was done by 'Woolly Pully' Week. Each day encouraged employees to act on different themes (Energy, Transport, Waste, Purchasing and Opportunity). The week included a visit from the Green Energy Centre's Green Energy Bus, advising employees on how they can use renewable energy to reduce their electricity bills. During the week the electricity consumption of the Civic Centre was 5% lower than previous weeks.



Street Lighting



A recent initiative trialled “part night street lighting.” Street lighting and lighted street signs comprise over a fifth of Poole’s energy consumption, costing around £750k a year and emitting 4800 tonnes of CO₂. After a successful trial in 2009/2010, switching off these lights between the hours of 12.00 and 5.00am will now save Poole £12,700 per annum. This equates to a reduction in CO₂ emissions of 89 tonnes each year.

Travel

As well as focusing on the emissions from buildings the Borough of Poole is also working to tackle its emissions from transport.

Bikes and Buses

The Council has purchased a number of Pool Bikes which employee can use to travel between sites, saving on pollution from business miles. The selection of bikes includes an electric model for the less energetic of cyclists! The Council has also successfully trialled a bus pass scheme.



Greener Vehicles



The Borough of Poole has organised displays and test drives of the latest electric powered cars



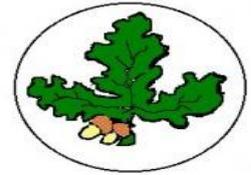
As part of the Carbon Management Plan the Mayor’s official car has been converted to run on LPG, saving almost £2,000 a year and cutting emissions



A number of the Borough’s refuse trucks have been converted to run on bio fuel, reducing our fleet emissions.

Merley Biomass Boiler

Merley First School



The best for all
The best from all



The Borough of Poole is working with Merley First School to install a biomass heating boiler. This is expected to reduce the school's heating bill by 95% and reduce its CO₂ emissions by 48%. The boiler future proofs the schools energy needs by taking its fuel from renewable sources and meets the challenge of finding energy efficient solutions for council services.

Low Carbon Framework

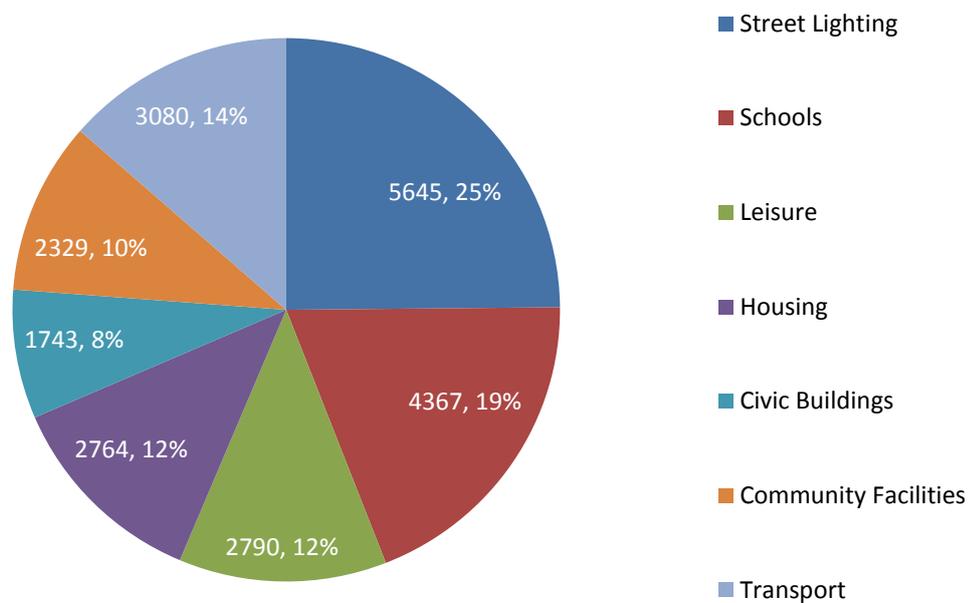
The Council is also working with Bournemouth Council and Dorset County Council as part of the Department for Energy & Climate Change (DECC) Low Carbon Framework. Tackling the effects of a changing climate is a shared priority outcome for the area and in 'getting our own houses in order'; we have long acknowledged the value of a low carbon economy. Working with these partners we were able to access £254k of central government funding and became the first Local Authority to submit its energy from waste report. The Low Carbon Framework allowed the Council to investigate the strategic possibilities of creating energy from waste. The report concluded that AeroThermal Anaerobic Digester technology has been demonstrated to offer by far the greatest Carbon savings. This partnership approach involved a comprehensive and wide ranging programme of low carbon sub regional projects being developed and delivered.



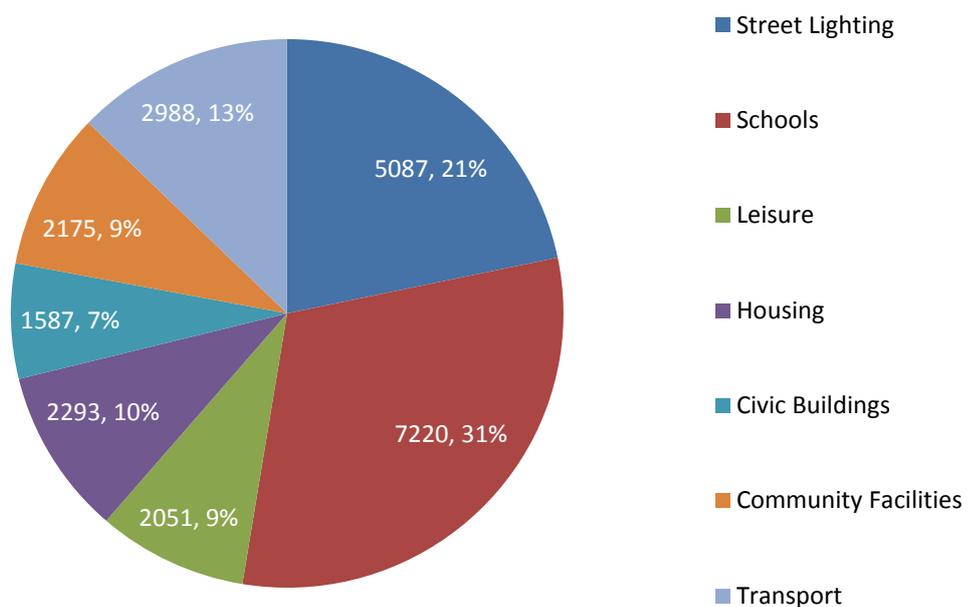
Breakdown of Council's Emissions by Service

To assist in the understanding of the Greenhouse Gases Report we have provided a breakdown of the emissions by service (Community Buildings include Public Conveniences, Homes and Day Centres, Children/Youth Centres, Museums and Libraries).

Council Emissions 2007/8 (tCO₂)



Council Emissions 2010/11 (tCO₂)



GREENHOUSE GASES REPORT

GHG emissions data for period 1 April 2010 to 31 March 2011				
	Global tonnes of CO ₂ e			
	Scope 1	Scope 2	Scope 3	Total
Base Year 2007/8	8,470.138	13,268.714	1,040.034	22,778.886
2008/9	9,746.211	14,403.483	1,036.985	25,186.679
2009/10	8,695.374	13,912.646	923.899	23,531.919
2010/11	8,715.245	13,349.008	860.813	22,925.066

	GHG emissions 2010/11 in tonnes of CO ₂ e	Specific exclusions and % this represents for the relevant scope
Scope 1		
Gas consumption	6,107.127	
Other fuels burnt	273.715	
Owned transport	2,334.403	
Fugitive ¹ emissions	0	These represent less than 0.5% of the council's emissions and have not been recorded.
Total scope 1	8,715.245	
Scope 2		
Purchased electricity	13,349.008	
Total scope 2	13,349.008	
Significant Scope 3²		
Business travel	860.813	
Total scope 3	860.813	

Supporting Explanations

1. The Borough of Poole is a Unitary Authority with main offices at the Civic Centre, Poole, Dorset, BH15 2RU employing more than 5,000 people
2. This report covers the period 1st April 2009- 31st March 2011
3. Our emissions have decreased by 9% since 2008/9 and 2010/11 shows a slight decrease on 2009/10. This is because of the impact of the Carbon Management Plan which did not commence until the 2009/10 financial year. We have negated an anticipated 7% business as usual increase meaning that the Council is showing a real terms reduction of 23% since 2008/9.
4. We have followed the Governments guidance on how to measure and report our Greenhouse Gas emissions.
5. We have used the financial control³ method to determine our organisational boundary.
6. We have measured our scope 1, scope 2 emissions and our business travel emissions
7. Our base year in 2007/8 which we set using a fixed base year approach as part of the Council's participation in the Carbon Trust's Carbon Management Programme.

For Further Information please contact:

Paul Cooling, Borough of Poole Carbon Reduction Manager, e: p.cooling@poole.gov.uk

¹ Fugitive emissions are emission from leaks, eg. Air Conditioning/Refrigeration leaks

² Due to record keeping methods Contractor emissions have been included in Scope 1

³ The Financial Control method assigns the Council's organisational boundary as the operations over which the council has the ability to direct the financial and operating activities of.