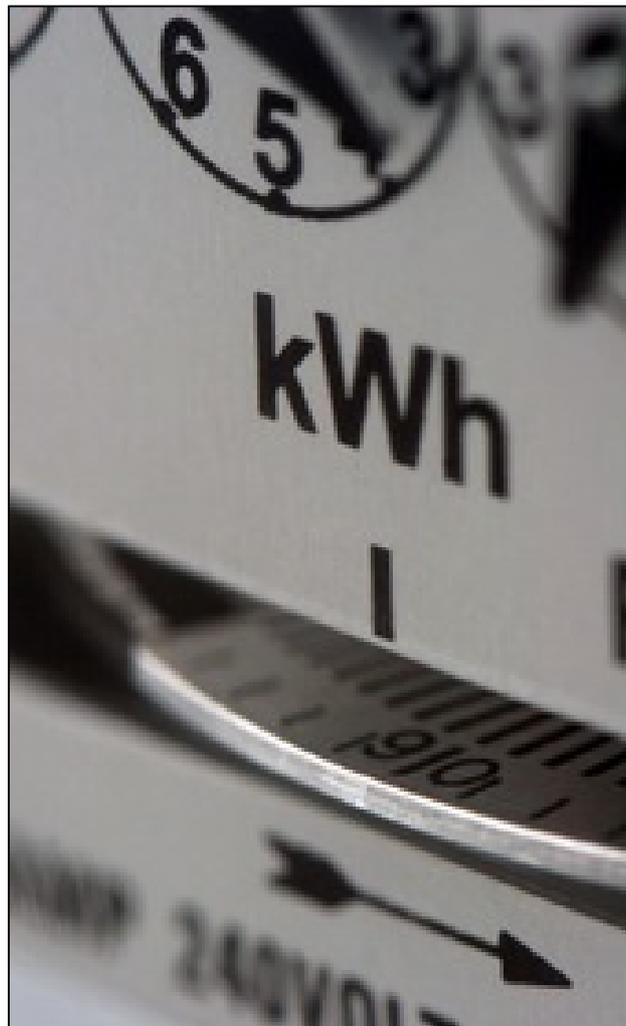




Haverling

LONDON BOROUGH

Greenhouse Gas Report 2011-2012



Director's Report

This report provides a summary of the London Borough of Havering's CO₂e emissions for 2011/12, based on the guidance from DEFRA on reporting on greenhouse gas emissions.

The Council is committed to reducing carbon emissions and its energy consumption. We aim to be a more efficient council, and believe that overconsumption of energy is an unnecessary use of public money. Thus we strive to reduce our energy costs in order to provide value for money for our residents, while reducing our carbon footprint and minimising our impact on the environment. We have been recognised for our efforts in receiving the Public Sector Sustainability Award for 2012 (Abbey Publishing).

Our plan to reduce the Council's carbon footprint is detailed in the Council's Climate Change Action Plan, approved in 2009. The Plan outlines measures across all Council services that will be undertaken to reduce our use of non-renewable energy sources. To enable the required measures to be undertaken, the Council has set aside invest-to-save funding and accessed a Salix match-funding grant to use for projects on our estate and for schools wishing to undertake energy efficiency measures. We incorporate sustainable design into our buildings and refurbishments in order to reduce our future energy consumption. We consider fuel consumption and whole-life costing in our vehicle purchasing to ensure we have a fuel efficient and less polluting fleet.

Reducing our carbon footprint is an on-going process and we continually strive to find more opportunities to reduce our energy use. As a council we are determined to reduce our energy consumption, to become more efficient and environmental.



Cynthia Griffin
Group Director, Culture and Community
London Borough of Havering

Summary Table

GHG Emissions data for period 1 st April 2011 to 31 st March 2012 Global tonnes of CO ₂ e			
	2011/12	Base Year 2010/11	2008/09
Scope 1	10,911	13,266	11,841
Scope 2	14,729	17,524	16,371
Scope 3	n/a	n/a	1,305
Total gross emissions	25,640	30,790	29,517
Total comparable emissions (excl Scope 3)	25,640	30,790	28,212
Carbon offsets	0	0	0
Green tariff	0	0	0
Total annual net emissions	25,640	30,790	28,212
Intensity measurement (tonnes of CO ₂ e per million £ net expenditure)	53	66	-

1. Council Information

The London Borough of Havering is a local government authority within Greater London. Its registered address is:
Romford Town Hall
Main Road
Romford, Essex
RM1 3BD

2. Reporting Period

1st April 2011 to 31st March 2012

3. Change in emissions

The Council's emissions have reduced by 16.7% since the base year of 2010/11. This is due to consolidation of office buildings, inefficient school properties being replaced with new efficient buildings, the consolidation of a number of schools and energy efficiency projects across our estate. These projects have included LED lighting schemes, BMS systems, heating controls, renewable energy systems and streetlighting measures. Also, 2011/12 was a milder year than 2010-11 resulting in less heating requirements.

4. Approach

The Council has followed the Government's guidance on how to report and measure greenhouse gas emissions. Data for 2008/09 is drawn from the submission for the previous National Indicator 185 (Emissions from local authorities operations and estate). Data for 2010/11 and 2011/12 are drawn from the Council's Carbon Reduction Commitment Energy Efficiency Scheme (CRC-EES) submission and additional transport data for Scope 1.

5. Organisational boundary

The Council has used the financial control approach as recommended in the Government's guidance, in which we have included all assets that we have financial control over. We have not included housing assets, as these are not included in the CRC-EES.

6. Operational scopes

The Council has measured emissions for Scopes 1 and 2 as per the Government's guidance. Scope 1 includes the Council's owned and operationally controlled buildings and transport, including schools. Scope 2 is the Council's purchased electricity. We have not included any Scope 3 emissions for this report. Emissions from significant outsourced services and staff business travel were measured in 2008/09. However, they have been excluded from subsequent reports due to the extensive effort required to measure these sources compared to the percentage of the Council's total emissions, and the lower impact if the Council undertakes efforts on reducing emissions in these areas.

Detailed Table of Greenhouse Gas Emissions

	GHG emissions 2011/12 in tonnes of CO ₂ e	Exclusions and % of this scope
Scope 1 (Direct Emissions)		
Gas consumption	8,509	
Oil consumption	896	
Owned transport & plant machinery	1,506	
Fugitive emissions	n/a	Emissions from air conditioning and refrigeration units in office buildings excluded due to cost of data collection. These account for less than 0.5% of total Scope 1 emissions.
Total scope 1	10,911	
Scope 2 (Indirect Emissions)		
Purchased electricity	14,729	This data is derived from the Council's CRC-EES submission for 2011/12 plus additional streetlighting which is not reported for CRC-EES.
Total scope 2	14,729	
Scope 3 (Other Indirect Emissions)		
Business travel	n/a	Not measured due to effort involved and level of effort required to reduce emissions in this area. In 2008/09, business travel comprised 1.5% of total CO ₂ emissions.
Significant outsourced services	n/a	Not measured due to effort involved and level of effort required to reduce emissions in this area. In 2008/09, significant outsourced services comprised 3% of total CO ₂ emissions.
Total significant scope 3	n/a	

7. Operational breakdown

The Council does not have any emissions outside the United Kingdom.

8. Base year

Although the Council has data for 2008/09, this was measured using the previous Government's methodology for National Indicator 185. The Council did not measure emissions for 2009/10 as we were waiting for the Government to confirm the approach required. The Council has now shifted to measuring emissions for the CRC Energy Efficiency Scheme, which follows a different approach. As this approach will be followed in future years in reporting for the CRC-EES, we have set 2010/11 as our baseline year. We use a 'fixed base year' approach where we compare our current emissions with a fixed point in the past.

9. Targets

The Council's emissions reduction target is 1% per year for each year from 2010/11 to 2012/13. The Council's actions to achieve greenhouse gas reductions are outlined in our Climate Change Action Plan (2009-2012).

10. Intensity measurement

The Council has chosen to measure its intensity based on tonnes of CO₂e per million £ net revenue expenditure (output).

For 2011/12:

- 21,973 tonnes CO₂e
- £414,741,000 revenue expenditure

In 2011/12, for every million pounds revenue expenditure the Council generated 53 tonnes of CO₂e.

11. External Assurance Statement

We currently have no external assurance statement for the whole of the Council's CO₂e footprint. However, the majority of the data for 2011/12 is derived from the Carbon Reduction Commitment Energy Efficiency Scheme, which was externally verified and audited by the Green Energy Partners and internally audited by the Council's Audit team.

12. Carbon offsets

The Council does not currently purchase any carbon offsets.

13. Green tariffs

The Council does not currently purchase any green tariffs. From 2006-2009 the Council purchased green energy for 100% of our streetlighting electricity requirements from E.ON, but no longer does this.

For more information please contact the Energy Strategy Team on 01708 432590 or EnergyStrategy@havering.gov.uk.