



Havering

LONDON BOROUGH

Greenhouse Gas Report

2010-2011



Director's report – Director for Finance & Commerce and Director for Culture & Community (co-chairs of LB Havering's Climate Change Strategic Working Group)

This report provides a summary of the London Borough of Havering's CO₂e emissions for 2010/11, based on the guidance from DEFRA on reporting on greenhouse gas emissions.

The Council takes seriously its commitment to reducing carbon emissions and our energy consumption. The ambition of all local government should be to become more efficient Councils, and reducing unnecessary energy use helps us towards this overarching goal.

Our plan to achieve carbon reduction is detailed in the Council's Climate Change Action Plan, approved in 2009, which 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.

The launch of the Climate Change Action Plan saw awareness and training sessions for staff across the Council to make them aware of the role all staff must play. We ensure that energy efficiency is designed into our new building projects and refurbishments of Council properties and that schemes which can improve energy efficiency in Council properties, our housing stock, streetlighting, our fleet and Havering schools are undertaken.

Reducing our carbon footprint is a continuing process, as we find more can always be done. As a Council we are determined to continue to reduce our energy consumption, thereby reducing our contribution towards climate change.

Director of Finance & Commerce

Director for Culture & Community



Andrew Blake-Herbert

Cynthia Griffin

Summary Table

GHG Emissions data for period 1st April 2010 to 31st March 2011		
	Global tonnes of CO₂e	
	Base year 2010/11	2008/09
Scope 1	13,266	11,841
Scope 2	17,524	16,371
Scope 3	n/a	1,305
Total gross emissions	30,790	29,517
Total comparable emissions (excl Scope 3)	30,790	28,212
Carbon offsets	0	0
Green tariff	0	0
Total annual net emissions	30,790	28,212
Intensity measurement (tonnes of CO ₂ e per million £ net expenditure)	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 2010 to 31st March 2011

3. Change in emissions

The Council's emissions have risen 9% since the base year of 2008/09. This is due to a number of factors, including improved metering, weather correction, the increased operating hours of schools and additional sites not included in 2008/09 calculations.

Emissions were not measured in 2009/10, as the Council was awaiting guidance from Government on the methodology for measuring emissions, which has only been clarified for 2010/11.

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 is drawn from the Council's Carbon Reduction Commitment Energy Efficiency Scheme 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 and those related to our ALMO Homes in Havering.

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 this report due to the extensive effort required to measure these sources compared to the percentage of the Council's total emissions and the lower impact of the Council reducing emissions in these areas.

	GHG emissions 2010 in tonnes of CO2e	Exclusions and % of this scope
Scope 1 (Direct Emissions)		
Gas consumption	11,877	
Oil consumption	975	
Owned transport	301	
Plant machinery	113	
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	13,265	
Scope 2 (Indirect Emissions)		
Purchased electricity	17,524	This data is derived from the Council's CRC Energy Efficiency submission for 2010/11.
Total scope 2	17,524	
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 CO2 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 CO2 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, we will use 2010/11 as our baseline year. We will utilise 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 2010/11:

- 30,790 tonnes CO₂e

- £467,155,000 revenue expenditure

In 2010/11, for every million pounds revenue expenditure the Council generated 66 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 2010/11 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 Eon, but no longer does this.

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