



Havering

LONDON BOROUGH

Greenhouse Gas Report 2012-2013



Electricity Smart Meter, Elm Park Library

Directors' Report

This report provides a summary of the London Borough of Havering's CO₂e emissions for 2012/13, based on the guidance from DEFRA on reporting on greenhouse gas emissions.

Havering Council has been successfully reducing its carbon emissions and energy consumption over the past four years. We have invested in energy efficiency measures which generate measurable reductions in our energy use, thus providing long-term and sustainable savings. Projects have included office LED lighting schemes, heating and temperature control upgrades, LED streetlighting replacements, renewable energy installations and the roll-out of automatic meter reading systems and smart meters. We incorporate sustainable design into our buildings and refurbishments in order to reduce our future energy use. We consider fuel consumption and whole-life costing in our vehicle purchasing to ensure we have a fuel efficient and less polluting fleet.

The Council will continue to identify and implement projects which reduce our energy consumption, using our Salix recycled fund and our own invest-to-save capital funding. Our revised Climate Change Action Plan for 2013-2016 guides our efforts in becoming more efficient with our energy use, and further reducing our carbon emissions and our contribution to climate change.



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Group Director, Culture and Community
London Borough of Havering



Andrew Blake-Herbert
Group Director, Finance & Commerce
London Borough of Havering

Summary Table

GHG Emissions data for period 1 st April 2012 to 31 st March 2013 Global tonnes of CO ₂ e			
	2012/13	2011/12	Base Year 2010/11
Scope 1	13,322	10,911	13,266
Scope 2	15,641	15,885	17,524
Scope 3	n/a	n/a	n/a
Total gross emissions	28,963	26,796	30,790
Total comparable emissions (excl Scope 3)	28,963	26,796	30,790
Carbon offsets	0	0	0
Green tariff	0	0	0
Total annual net emissions	28,963	26,796	30,790
Intensity measurement (tonnes of CO ₂ e per million £ net expenditure)	37	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 2012 to 31st March 2013

3. Change in emissions

The Council's emissions have increased by 8% from 2011/12. There have been reductions in electricity use, fuel used for own transport and plant machinery, and oil. However, the significant increase leading to the rise in emissions has been due to increased gas use. The CO₂e from gas has increased over 3000tonnes.

Gas use increased from 2011/12 to 2012/13, as the winter was colder in 2013 and more Council properties switched over to gas heating. With the reincorporation of the housing ALMO back into the Council, there are a large number of housing properties which are counted for this year's greenhouse gas reporting which were not included in 2011/12.

Electricity use declined from 2011/12 to 2012/13 due to the number of measures undertaken, particularly LED lighting upgrades, which have reduced the Council's electricity use. These projects have included office LED lighting schemes, roll-out of smart meters in Council buildings, renewable energy systems and LED streetlighting measures.

4. Approach

The Council has followed the Government's guidance on how to report and measure greenhouse gas emissions. Data for 2010/11 and 2011/12 are drawn from the Council's Carbon Reduction Commitment Energy Efficiency Scheme (CRC-EES) submission and additional own transport data for Scope 1 and streetlighting electricity for Scope 2.

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 for National Indicator 185. 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 2012/13 in tonnes of CO ₂ e	Exclusions and % of this scope
Scope 1 (Direct Emissions)		
Gas consumption	11,630	
Oil consumption	238	
Owned transport & plant machinery	1454	
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	13,322	
Scope 2 (Indirect Emissions)		
Purchased electricity	15,641	This data is derived from the Council's CRC-EES submission for 2012/13 plus additional streetlighting which is not reported for CRC-EES.
Total scope 2	15,641	
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 ¹ , 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 ² , significant outsourced services comprised 3% of total CO ₂ emissions.
Total significant scope 3	n/a	

¹ Business travel was last measured in 2008/09 for the National Indicator 185 requirements.

² Outsourced services were last measured in 2008/09 for the National Indicator 185 requirements.

7. Operational breakdown

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

8. Base year

The Council has set the base year as 2010/11, as measuring National Indicator 185 in previous years has used different methodology. The methodology for GHG reporting since 2010/11 has stayed the same, thus providing a more accurate comparison. 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 2012/13:

- 29,007 tonnes CO₂e
- £783,000,000 revenue expenditure (gross)

In 2012/13, for every million pounds revenue expenditure the Council generated 37 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 2012/13 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@haverling.gov.uk.

