

Green House Gas (GHG) Emissions Report July 2015

1. Introduction

The Department for Energy and Climate Change (DECC) have requested that, as from July 2011, Local Authorities report greenhouse gas (GHG) emissions from their own estates and services using a standard methodology and format.

2. Emissions Summary

Table 1 summarises Eastleigh Borough Council's GHG emissions for the year 2014/15, 2013/14, 2012/13 and the base year 2007/08 in tCO_{2e}

	2014/15	2013/14	2012/13	2007/08
Scope 1	1726	1670	1899	2036
Scope 2	934	738	833	754
Scope 3	52	56	65	98
Total gross emissions	2712	2509	2796	2887
Carbon offsets	0	0	0	0
Green Tariff	508	399	423	0
Renewable energy	105	66	31	0
Total net emissions	2099	2044	2343	2887
%reduction on 2007	27%	29%	18%	

Table 1 - GHG emissions summary

3. Company Information

Eastleigh Borough Council is a district Council within Hampshire providing a range of services to a resident population of 120,000. The registered address is Eastleigh House, Upper Market Street, Eastleigh, Hampshire, SO50 9YN

4. Reporting Period

This report is for the financial year 1 April 2013 to 31 March 2014.

5. Changes in Emissions

Emissions have risen for this period over the previous year and the reasons are:

- The Council moved into a newly renovated building with an energy management system which resulted in a drop in Gas usage but a significant increase in Electricity usage.
- We have seen an increase in electricity consumption in a number of the properties that we manage.

6. Measuring and Reporting approach

The DEFRA "Environmental reporting Guidelines: Including mandatory greenhouse gas emissions reporting guidance" was used to prepare this report.

7. Organisational Boundary

We have used the financial control approach as recommended in the guidance to define our organisational boundary. Our scope includes emissions from buildings and transport used for the delivery of our services.

8. Operational Scope

Table 2 shows what is included in each scope.

	2014/15	2013/14	2012/13	2007/08
Scope 1 (Direct Emissions)				
Gas	660	615	866	989
Oil	5	11	20	29
Fleet	1061	1043	1013	1017
Total	1726	1670	1899	2036
Scope 2 (Indirect emissions)				
Electricity	918	771	821	743
Water	16	12	12	11
Total	934	738	833	754
Scope 3 (Indirect other)				
Business Travel	52	56	65	98
Total	52	56	65	98
Total gross emissions	2100	2045	2344	2890

Table 2 - Breakdown of the 3 Scopes

The CO₂e conversion factors used in calculating the GHG have been taken from the DEFRA web based tool "Government conversion factors for company reporting".

9. Geographical Breakdown

All Eastleigh Borough Council's activities are in the UK.

10. Base Year

Our base year is 2007/08.

A full review of annual emissions since the base year has resulted in a recalculation of the base year to account for data quality errors and to use the most appropriate version of the GHG factors. The base year has seen a small reduction from the previous report's estimate.

No recalculation has been done due to the purchase or sale of council properties.

11. Targets

Council to reduce nett GHG emissions from its own operations by 50% by 2020 (against a 2007 baseline)

12. Intensity Measurement

We have chosen the intensity measurement of tCO₂e per full time equivalent and per £m income which are most relevant to local government.

	2014/15	2013/14	2012/13
tCO₂e per FTE	4.58	4.23	
tCO₂e per £m income	29.91	29.63	32.01

13. External Assurance Statement

The Council has not received independent external assurance over our reported emissions.

14. Carbon Offsetting

The Council has not purchased any carbon offsets

15. Green Tariffs

The Council has chosen to purchase green energy for the majority of its sites from EDF Energy 100% Renewable.

16. Electricity Generation

The Council began a programme of installing solar PV in 2011 and this year generated a total of 479MWh from 15 sites.

kWh	2014/15	2013/14	2012/13	2011/12
Consumed on site	267,782	136,192	98,534	4,199
Exported	211,899	132,909	61,792	34,719
Total Generated	479,681	269,101	160,326	38,918

17. Heat Generation

The Council operates one biomass boiler which following the guidance should be reported outside of scope.

	2014/15	2013/14	2012/13
Biomass (Pellets) tonnes	6.98	8.00	2.00