

Green House Gas (GHG) Emissions Report July 2017

1. Introduction

Eastleigh Borough Council has adopted the Department for Energy and Climate Change (DECC) request 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 past three years against the base year of 2007/08 in tCO_{2e}.

	2016/17	2015/16	2014/15	2013/14	2007/08
Scope 1	1792	1696	1726	1670	2036
Scope 2	811	881	1044	913	754
Scope 3	39	46	52	57	104
Total gross emissions	2642	2666	2822	2640	2893
Carbon credits	529	576	671	571	0
Total net emissions	2113	2090	2151	2069	2893
%reduction from 2007/08	27%	28%	26%	29%	

Table 1 - GHG emissions summary tCO_{2e} (not weather corrected)

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 2015 to 31 March 2016.

5. Changes in Emissions

Emissions have dropped for this period over the previous year for some of the following reasons:

- Reduction in heating oil usage with only one property now burning oil.
- Electricity consumption has reduced over the whole portfolio.
- The decarbonisation of the electricity supply.
- Street Lighting located in the Borough and owned by the Council but operated by Hampshire County Council has again achieved a reduction in energy usage by dimming and reduced hours.
- There has been a reduction in business travel.

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 measured in tCO₂e.

	2016/17	2015/16	2014/15	2013/14	2007/08
Scope 1 (Direct Emissions)					
Gas	674	688	660	615	989
Oil	4	4	5	11	29
Fleet	1114	1005	1061	1043	1017
Total	1792	1696	1726	1670	2036
Scope 2 (Indirect emissions)					
Electricity	775	881	984	901	743
Street Lighting	22	28	43		
Water	15	15	16	12	11
Total	811	924	1044	913	754
Scope 3 (Indirect other)					
Business Travel	39	46	52		104
Total	39	46	52	57	104
Total gross emissions	2642	2666	2822	2640	2893
Credits					
Green Tariff	469	506	596	528	
PV Export Only	61	69	76	44	
Total	529	576	671	571	0
Total nett emissions	2113	2090	2151	2069	2893

Table 2 - Breakdown of Scope 1,2 & 3 tCO₂e (not weather corrected)

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

The figures have not been weather corrected.

9. Geographical Breakdown

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

10. Targets

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

11. Base Year

The baseline year for the target is 2007/08.

Since last years reported figures no recalculation of the baseline has been made due to the sale or acquisition of council properties.

12. Intensity Measurement

We have chosen the intensity measurement of tCO₂e per full time equivalent (FTE) member of staff and per £m income as most relevant to local government.

	2016/17	2015/16	2014/15	2013/14
tCO₂e per FTE	4.72	4.42	4.70	4.28
tCO₂e per £m income	35.26	30.97	30.55	29.90

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 purchases 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 309MWh across 15 sites.

	2016/17	2015/16	2014/15	2013/14
kWh Generated	162,296	170,719	169,248	131,993
kWh Exported	146,954	149,856	152,807	98,190
Total Generated	309,250	320,575	322,055	230,183

17. Heat Generation

The Council operates one biomass boiler which due to government guidance should be reported outside of scope. All figures are measured in tCO₂e.

	2016/17	2015/16	2014/15	2013/14
Biomass (Pellets) tCO₂e	4.45	8.67	11.51	13.19