

Green House Gas (GHG) Emissions Report July 2018

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}

	2017/18	2016/17	2015/16	2014/15	2007/08
Scope 1	1577	1792	1696	1726	2036
Scope 2	678	819	923	1044	753
Scope 3	21	39	46	52	104
Total gross emissions	2275	2651	2665	2822	2893
Carbon credits	443	529	576	671	0
Total net emissions	1842	2121	2089	2151	2893
%reduction from 2007/08	36%	27%	28%	26%	

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 2017 to 31 March 2018.

5. Changes in Emissions

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

- Electricity consumption has reduced over the whole portfolio and the carbon intensity of electricity has reduced considerably.
- Gas consumption has reduced over the whole portfolio
- Business travel has been reduced
- There is a reduction in fuel consumption by our fleet of trucks and maintenance vehicles.
- Photo Voltaic (PV) generation is down due to the Fleming Park Leisure Centre array being offline during the transfer to Places Leisure Eastleigh.

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.

	2017/18	2016/17	2015/16	2014/15	2007/08
Scope 1 (Direct Emissions)					
Gas	573	674	688	660	989
Oil	4	4	4	5	29
Fleet	1001	1114	1005	1061	1017
Total	1577	1792	1696	1726	2036
Scope 2 (Indirect emissions)					
Electricity	641	783	880	984	743
Street Lighting	19	22	28	43	
Water	17	15	15	16	11
Total	678	819	923	1044	753
Scope 3 (Indirect other)					
Business Travel	21	39	46	52	104
Total	21	39	46	52	104
Total gross emissions	2275	2642	2666	2822	2893
Credits					
Green Tariff	390	469	506	596	
PV Export Only	43	61	69	76	
Total	443	529	576	671	0
Total nett emissions	1842	2113	2090	2151	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.

	2017/18	2016/17	2015/16	2014/15
tCO₂e per FTE	4.33	4.72	4.42	4.70
tCO₂e per £m income	21.44	35.26	30.97	30.55

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 284MWh across its whole portfolio.

	2017/18	2016/17	2015/16	2014/15
kWh Generated	161,266	162,296	170,719	169,248
kWh Exported	123,047	146,954	149,856	152,807
Total Generated	284,313	309,250	320,575	322,055

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.

	2017/18	2016/17	2015/16	2014/15
Biomass (Pellets) tCO₂e	14.72	4.45	8.67	11.51