

## Green House Gas (GHG) Emissions Report July 2019

### 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<sub>2e</sub>

	2018/19	2017/18	2016/17	2015/16	2007/08
Scope 1	1774	1579	1790	1696	2036
Scope 2	484	674	819	924	753
Scope 3	35	20	39	46	104
<b>Total gross emissions</b>	<b>2293</b>	<b>2273</b>	<b>2648</b>	<b>2665</b>	<b>2892</b>
Carbon credits	333	450	549	599	0
<b>Total net emissions</b>	<b>1960</b>	<b>1822</b>	<b>2098</b>	<b>2066</b>	<b>2892</b>
<b>%reduction from 2007/08</b>	<b>32%</b>	<b>37%</b>	<b>27%</b>	<b>29%</b>	

Table 1 - GHG emissions summary tCO<sub>2e</sub> (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 129,966. 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 which is due to the carbon intensity of electricity reducing and also considerable savings made at Places Leisure Eastleigh and Eastleigh House.
- Gas consumption has increased due to an increase at the Fleming Park Energy Centre that supplies heat to Places Leisure Eastleigh and now the Hendy Car Showroom.
- Business travel has increased back to 2016/17 amounts. It is thought the 2017/18 reduction was down to employees not using the new mileage claim system rather than an actual reduction in travel.

- There is a reduction in fuel consumption by our fleet of trucks and maintenance vehicles but overall there has been an increase in fuel emissions due to the temporary generator at Itchen Valley Country Park

## 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 tCO<sub>2</sub>e.

	2018/19	2017/18	2016/17	2015/16	2007/08
<b>Scope 1 (Direct Emissions)</b>					
Gas	672	573	674	688	989
Oil	4	4	4	4	29
Fuel	1098	1002	1112	1005	1017
<b>Total</b>	<b>1774</b>	<b>1578</b>	<b>1789</b>	<b>1696</b>	<b>2036</b>
<b>Scope 2 (Indirect emissions)</b>					
Electricity	453	640	783	880	743
Street Lighting	15	19	22	28	
Water	16	16	15	15	11
<b>Total</b>	<b>484</b>	<b>674</b>	<b>819</b>	<b>924</b>	<b>753</b>
<b>Scope 3 (Indirect other)</b>					
Business Travel	35	20	39	46	104
<b>Total</b>	<b>35</b>	<b>20</b>	<b>39</b>	<b>46</b>	<b>104</b>
<b>Total gross emissions</b>	<b>2293</b>	<b>2273</b>	<b>2648</b>	<b>2665</b>	<b>2892</b>
<b>Credits</b>					
Green Tariff	272	390	469	506	
PV Export Only	61	60	81	93	
<b>Total</b>	<b>333</b>	<b>450</b>	<b>549</b>	<b>599</b>	<b>0</b>
<b>Total nett emissions</b>	<b>1960</b>	<b>1822</b>	<b>2098</b>	<b>2066</b>	<b>2892</b>

Table 2 - Breakdown of Scope 1,2 & 3 tCO<sub>2</sub>e (not weather corrected)

The CO<sub>2</sub>e 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)

The Council has declared a Climate Emergency and will put in place measures to ensure that the Council's own operations and functions achieve carbon neutrality by 2025,

#### 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 tCO<sub>2</sub>e per full time equivalent (FTE) member of staff and per £m income as most relevant to local government.

	2018/19	2017/18	2016/17	2015/16
tCO <sub>2</sub> e per FTE	4.42	4.29	4.68	4.37
tCO <sub>2</sub> e per £m income	28.41	21.21	35.02	30.25

#### 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 some of its sites from EDF and will transfer all to green energy by end of 2019/20. Also looking at option for Green Gas.

#### 16. Electricity Generation

The Council began a programme of installing solar PV in 2011 and this year generated a total of 203MWh across its whole portfolio.

	2018/19	2017/18	2016/17	2015/16
kWh Consumed	133,152	130,938	114,357	120,119
kWh Exported	215,081	171,503	196,020	200,456
<b>Total Generated</b>	<b>348,233</b>	<b>302,441</b>	<b>310,377</b>	<b>320,575</b>

#### 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 tCO<sub>2</sub>e.

	2018/19	2017/18	2016/17	2015/16
<b>Biomass (Pellets) tCO<sub>2</sub>e</b>	9.81	14.72	4.45	8.67