

Green House Gas (GHG) Emissions Report July 2020

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 DEFRA methodology and format.

This report covering the period of 2019/20 is the first produced since the July 2019 Climate and Environmental Emergency Declaration and associated Strategy and Action Plan published in November 2019. The new strategy includes a commitment for the Council to move to an industry leading comprehensive approach to Greenhouse Gas Reporting. Section 6 sets out differences between the new and old methodologies, the most significant of which being additional figures relating to procurement. For transparency and to continue benchmarking with other Local Authorities the old methodology will also continue to be reported for the time being.

2. Emissions Summary

Table 1 summarises Eastleigh Borough Council's GHG emissions (tCO_{2e}) for the past year against the base year of 2018/19 using the new Climate & Environmental Emergency methodology.

	2019/20	2018/19
Scope 1 (Gas, Oil, Fuel)	1913	1774
Scope 2 (Elec, Water, Biomass)	427	495
Scope 3 (Travel, Procurement)	5386	8301
Total gross emissions	7727	10570
Carbon credits	332	333
Total net emissions	7395	10238

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

For transparency with previous years table 2 summarises Eastleigh Borough Council's GHG emissions (tCO₂e) for the past four years against the base year of 2007/08 using the old methodology.

	2019/20	2018/19	2017/18	2016/17	2007/08
Scope 1	1913	1774	1579	1790	2036
Scope 2	416	485	674	819	753
Scope 3	32	31	20	39	104
Total gross emissions	2361	2291	2273	2648	2892
Carbon credits	332	333	450	549	0
Total net emissions	2029	1958	1822	2098	2892
%reduction from 2007/08	30%	32%	37%	27%	

Table 2 – GHG emissions summary tCO₂e (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 2019 to 31 March 2020.

5. Changes in Emissions

Emissions have changed for this period over the previous year for reasons that include:

- The Energy Centre CHP was successfully switched on for a few weeks from Feb to March which will have impacted the gas consumption. This supplies heat and electricity to Places Leisure Eastleigh and heat to the Hendy car showroom
- Electricity consumption has reduced over the whole portfolio and the carbon intensity of electricity has also reduced.
- Bulk fuel use has risen because of the generator at Itchen Valley Country Park for most of the year. This will reduce next year and be replaced by less carbon intensive electricity from the national grid.

6. Measuring and Reporting approach

The majority for this report is created based on the DEFRA "Environmental reporting Guidelines", which includes mandatory greenhouse gas emissions reporting guidance.

In response to the Climate and Environmental Emergency the Council has begun reporting all emissions related to the climate. In addition to the DEFRA reporting, Table 1 now factors in:

- Staff Commute to work
- Procurement
- Biomass
- GHGs from Building use (f-Gases)
- Other Offsets Purchased
- Council Land use (Carbon Sequestration)

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 3 shows what is included in each scope measured in tCO₂e.

	2019/20	2018/19
Scope 1 (Direct Emissions)		
Gas	772	672
Oil	0	4
Fuel	1141	1098
Total	1913	1774
Scope 2 (Indirect emissions)		
Electricity	390	453
Street Lighting	14	15
Water	12	16
Biomass ¹	11	10
Total	427	495
Scope 3 (Indirect other)		
Business Travel	32	31
Staff Commuting Travel ¹	7	0
Other Building GHGs ¹	0	0
Procurement ¹	5347	8270
Total	5386	8301
Total gross emissions	7727	10570
Credits		
Green Tariff	265	272
PV Export Only	67	61
Council Land Use ¹	0	0
Offsets ¹	0	0
Total	332	333
Total nett emissions	7395	10238

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

The CO₂e conversion factors used in calculating the GHG have been taken from the Government emission conversion factors for greenhouse gas 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 to Net Zero by 2025 (Based on the new approach to measuring).

¹ Additional item in Climate & Environmental Emergency methodology.

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

11. Base Year

The baseline year for Net Zero by 2025 is 2018/19.

The baseline year for the 2020 target is 2007/08.

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.

	2019/20	2018/19
tCO₂e per FTE	15.44	23.08
tCO₂e per £m income	110.20	148.38

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 that we purchase to green energy by year 2020/21.

16. Electricity Generation

The Council has a programme of installing solar PV whenever feasible

	2019/20	2018/19	2017/18	2016/17
kWh Consumed	87,736	133,152	130,938	114,357
kWh Exported	260,642	215,081	171,503	196,020
Total Generated	348,379	348,233	302,441	310,377