



## Lewisham Strategic Partnership: Climate sub-group

### LSP Corporate Carbon Emissions 2022/23

#### 1. Introduction

1.1. The Lewisham Strategic Partnership is a network of Lewisham-based institutions working together to make Lewisham a better place. Climate emergency was identified as one of four strategic priorities for the Partnership and a climate sub-group was established early in 2023.

1.2. The climate sub-group has agreed three priority areas:

- Corporate reporting on carbon across the partners
- Communications and engagement on climate change
- Green and blue infrastructure

1.3. A Common Commitment on Corporate Carbon Emissions agreed by the LSP partners:

*Lewisham's Strategic Partnership Climate Subgroup recognises the importance of reporting corporate carbon emissions and encourages all organisations in the borough across the public, private and community sector to measure and report their emissions. As individual organisations and collectively we commit to continuing to report our emissions and to actively adopt good practice to extend the scope of this work.*

1.4. This report summarises progress under the first priority area. The intention with corporate reporting on carbon was to identify the scale of potential influence the partners have, share good practice and identify opportunities to develop common approaches to corporate carbon reporting.

1.5. This report combines corporate carbon emission data from as many of the partners as possible for the period 2018/19 to 2022/23.<sup>1</sup> Alongside corporate carbon emission data the report also includes emission data for residential sites owned by Lewisham Council, Phoenix Community Housing and University of London Goldsmiths.

1.6. Partners had varying amounts of data which, given the range of organisations in size and purpose, is unsurprising. This report focusses on scopes 1 and 2 of the Greenhouse Gas Protocol (see Table 4 in section 5), which were the most complete datasets provided.

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<sup>1</sup> The Albany's most complete dataset unfortunately comes from three years prior to this period.

1.7. To allow for an overall comparison, estimates for missing years have been included where relevant using the most recent data available in a previous or subsequent year. Estimates are shown in red.

1.8. The Government's UK local authority and regional greenhouse gas emissions dataset has been used to highlight the scale of scope 1 and 2 emissions under local control.<sup>2</sup>

## 2. LSP partner corporate carbon data 2018/19 to 2022/23

Table 1. Breakdown of corporate carbon emissions by LSP partner

Lewisham Partner	tCO2 2018/19	tCO2 2019/20	tCO2 2020/21	tCO2 2021/22	tCO2 2022/23	Actual change 21/22-22/23	% Annual change
Lewisham Council	13,243	12,457	10,526	10,828	10,338	-490	-5%
Lewisham & Greenwich NHS Trust	8,029	6,774	8,714	13,665	8,447	-5,218	-38%
Goldsmiths University of London	2,933	2,626	2,305	2,231	2,231	0	0%
Greenwich Leisure: Lewisham Leisure Centres	3,561	3,190	678	2,134	2,040	-95	-4%
Lewisham College	1,622	1,920	1,559	1,933	1,044	-889	-46%
The Horniman Museum	498	498	498	485	473	-13	-3%
Phoenix Community Housing	305	305	305	305	305	0	0%
The Albany	199	199	5	44	97	54	123%
Lewisham Local	32	32	32	32	32	0	0%
<b>Total</b>	<b>30,423</b>	<b>28,001</b>	<b>24,622</b>	<b>31,658</b>	<b>25,007</b>	<b>6,651</b>	<b>-21%</b>

<sup>2</sup> <https://www.gov.uk/government/statistics/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics-2005-to-2021>

Table 2. Carbon emissions by corporate and residential, compared to Lewisham borough emissions 2018/19 – 2022/23

Site type	tCO2 2018/19	tCO2 2019/20	tCO2 2020/21	tCO2 2021/22	tCO2 2022/23
LSP corporate buildings emissions	30,423	28,001	24,622	31,658	25,007
LSP residential buildings emissions (estimates)	56,605	55,699	55,421	55,553	55,553
LSP corporate and residential emissions	87,027	83,700	80,043	87,210	80,560
Lewisham borough emissions (CO2)	735,535	707,240	642,564	667,808	n/a
LSP corporate % of borough (CO2)	4.1%	4%	3.8%	4.7%	n/a
LSP residential % of borough (CO2)	7.7%	7.9%	8.6%	8.3%	n/a
LSP corporate and residential % of borough (CO2)	11.8%	11.8%	12.5%	13.1%	n/a

Table 3. Breakdown of residential carbon emissions by LSP partner

Lewisham Institution	tCO2 2018/19	tCO2 2019/20	tCO2 2020/21	tCO2 2021/22	tCO2 2022/23
Goldsmiths University of London	450	290	305	266	266
Lewisham Council	35,894	35,894	35,894	35,894	35,894
Phoenix Community Housing	20,261	19,515	19,222	19,393	19,393
<b>Total emissions of LSP partners</b>	<b>56,605</b>	<b>55,699</b>	<b>55,421</b>	<b>55,553</b>	<b>55,553</b>

### 3. Summary

- 3.1. Nine members of the LSP Climate Subgroup provided at least one year's worth of data for this exercise. These partner organisations represent the vast majority of carbon emissions associated with the public and community sector in the borough.
- 3.2. The total corporate carbon emissions across the LSP partners for the latest year in the dataset is 25,007 tonnes CO2. Similarly, the total residential emissions directly owned by partners is estimated at 55,553 tCO2. In 2021/22 (the latest year UK Government data is available) the combined corporate and residential emissions for the LSP partners represented 13.1% of the scope 1 and 2 emissions reported under the Governments local authority level carbon emissions data. The figure for corporate-only emissions was 4.7%.

3.3. The total corporate carbon emissions of LSP partners, excluding residential emissions, reduced by 21% in the most recent year of data (2022/23). This reduction is mostly driven by the decrease in over 5,000 tonnes at the Lewisham and Greenwich NHS Trust and to a lesser extent reductions by Lewisham College (889 tCO<sub>2</sub>) and Lewisham Council (490 tCO<sub>2</sub>).

3.4. In the latest year of data 2022/23 individual partner emissions as a % of the total for the data set as a whole were as follows:

- Lewisham Council 41%
- Lewisham and Greenwich NHS Trust 34%
- Goldsmiths University of London 9%
- Greenwich Leisure 8%
- Lewisham College 4%
- The Horniman Museum and Gardens 2%
- Phoenix Community Housing 1%
- The Albany <1%
- Lewisham Local <1%

3.5. Residential emissions have been included for wider context. There are three local partners that own residential properties Lewisham Council, Phoenix Community Housing and Goldsmiths University of London. The emissions for Goldsmiths are based on supplied data. Those for Lewisham Council housing stock are estimated using modelled data calculated through Parity Project Portfolio software. Lastly, Phoenix Community Housing emissions are estimated based on the number of properties and average carbon data for housing published by the Government. Further details on the estimates are included in Section 5 'Notes on Methodology'.

3.6. Lewisham Council's housing stock (19,247 properties) accounts for over 70% of the residential emissions included in this report. Phoenix Community Housing (7,600 properties) accounts for 30%. The Goldsmiths data (7 buildings) is less than 1% of the total.

3.7. No data has been included for South East London Community Energy and the Federation of Small Businesses. Unlike the other organisations that have been included, neither has a dedicated operational space within the borough boundary.

#### 4. Recommendations

4.1 Potential future additional steps that could be taken include:

- Setting common targets for carbon reduction
- Measuring scope three emissions relating to the supply chain for each organisation
- Agreeing a common methodology for measuring emissions from fleet and staff travel
- Identifying resources to enable independently verified emissions data

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## 5. Notes on methodology

- 5.1 The report presents data from the five financial years from 2018/19, to 2022/23. Consumption data (kWh and m3) is converted to tonnes of CO2e or 'tCo2e' using published conversion factors. The 'e' refers to 'equivalent', which refers to other greenhouse gases with an equivalent greenhouse effect to carbon.
- 5.2 The report is based on the Greenhouse Gas Protocol<sup>3</sup> definition of emission scopes as described in Table 4.

Table 4. Greenhouse gas emission inventory definitions

Scope	Definition
Scope 1	GHG emissions from sources located within the city boundary
Scope 2	GHG emissions occurring as a consequence of the use of grid-supplied electricity, heat, steam and/or cooling within the city boundary
Scope 3	All other GHG emissions that occur outside the city boundary as a result of activities taking place within the city boundary

- 5.3 Exact data for emissions from residential properties owned by Lewisham Council and Phoenix Community Housing would require access to residents' utility contracts which is outside the scope of this exercise but has been estimated. Lewisham Council housing stock emissions have been estimated using the modelled data calculated through the Parity Project Portfolio software. Phoenix Community Housing estimates are based on dividing the UK Government's annual domestic emissions figure for the borough<sup>4</sup> by the total number of homes in Lewisham (130,400<sup>5</sup>) and then multiplying that by the number of homes that are owned and or managed by them, which is 7,600 homes. In the absence of more accurate data, this does mean that each annual figure remains the same, but they have regardless been included for completeness, given Goldsmiths has exact figures for each year.

- 5.4 Table 5 sets out the scope data provided by partner.

Lewisham Institution	Data comprises
Federation of Small Businesses	N/A
Goldsmiths University of London	Electricity, gas, steam and hot water, diesel and petrol fleet vehicles
Greenwich Leisure: Lewisham Leisure Centres	Electricity, gas and water
Lewisham & Greenwich NHS Trust	Electricity and gas
Lewisham College	Electricity, gas, fleet vehicles, grey fleet

<sup>3</sup> <https://ghgprotocol.org/>

<sup>4</sup> <https://www.gov.uk/government/collections/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics>

<sup>5</sup> [https://www.observatory.lewisham.gov.uk/housing/#/view-report/85fe651fd2af40e0bf133770aaa91687/\\_\\_\\_iaFirstFeature/G3](https://www.observatory.lewisham.gov.uk/housing/#/view-report/85fe651fd2af40e0bf133770aaa91687/___iaFirstFeature/G3)

Lewisham Council	Electricity, gas, water, fleet
Lewisham Local	Electricity and staff travel
Phoenix Community Housing	Electricity, gas, pool fleet and maintenance fleet
SELCE	N/A
The Albany	Scope breakdown only for 2022/23 = Electricity, gas, water, waste, business travel and fleet
The Horniman Museum	Gas, Electricity, water