

# Chelmsford City Council Green House Gas report 2022/23

## 1.1 Climate change and Chelmsford City Council

Chelmsford City Council declared a Climate and Ecological Emergency in July 2019. Information on the Council's action plan and creating a greener Chelmsford can be found by visiting [www.loveyourchelmsford.gov.uk](http://www.loveyourchelmsford.gov.uk)

## 1.2 Outline of key risks to organisation from climate change

In the future the City Chelmsford will experience warmer and wetter winters, hotter and drier summers, and more severe weather events. By the 2080's average summer temperatures in the South East of England could rise by up to 3.9°C and there could be a 23% reduction in average summer rainfall. <sup>1</sup>

The Council and its operations will be subjected to risks as a result of Climate Change. Some of these risks may include:

- Risks to Public Health from hotter summers and severe weather events (example increased pests, diseases, excessively hot and cold homes and workplaces)
- Risks to buildings from excess heating and extreme weather events (example cracking in surfaces from excess heat or freeze thaw action and localised flooding)
- Risks to infrastructure; utilities, highways and public transport from extreme weather
- Risks to supply chain from climate disruption leading to negative market impacts

## 2.1 Data report

All numbers in tonnes CO <sub>2</sub> equivalent	2022/23	Baseline year (2019/20)
Scope 1 (direct) emissions	3646	3637
Scope 2 (from electricity) emissions	1290	1663
Scope 3 (indirect) emissions	27	70
<b>Total Gross emissions</b>	<b>4963</b>	<b>5370</b>
Carbon offsets	-	-
Energy purchased from green tariffs	-	-
<b>Total annual net emissions</b>	<b>4963</b>	<b>5370</b>
Intensity measurement (per F.T.E employee; excluding casual staff)	810 FTE	833 FTE

Table 1: Chelmsford City Council emissions by emissions scope

## 2.2 Reporting period

This report covers all emissions from Chelmsford City Council sources between 1<sup>st</sup> April 2022 and 31<sup>st</sup> March 2023.

## 2.3 Change in emissions

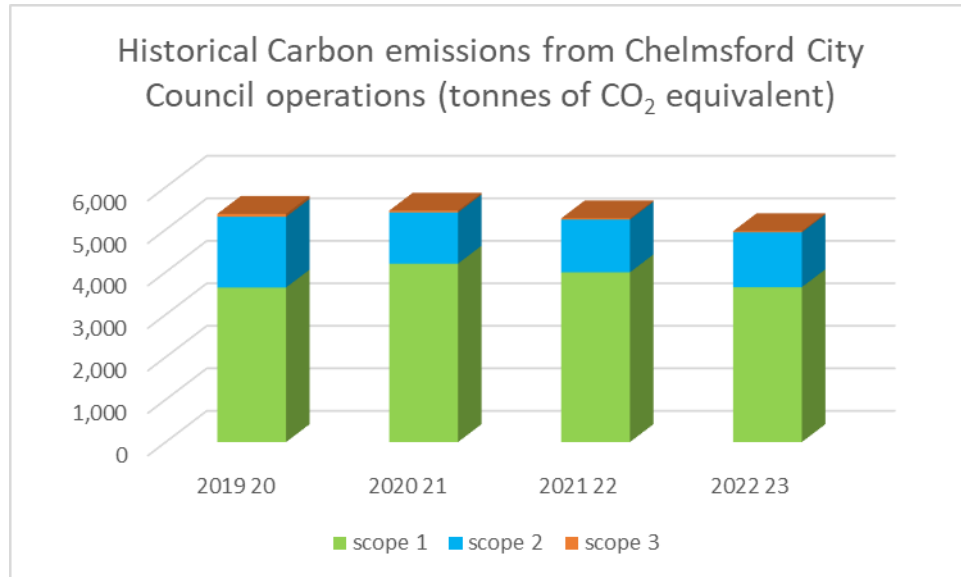


Table 2: Historical emissions by scope

## 2.4 Comment on change in emissions

The Council has achieved a 7.6% reduction on baseline emissions and a 5.7% emissions reduction since last year. These reductions have originated from a change in fuel used by some of the Council's operational fleet, from diesel to biofuels.

### 3.1 Approach

The following information has been used to compile this report

Emissions source					
Scope 1	Scope 2	Scope 3	Carbon offsets	Energy purchased from green tariffs	Intensity measurement
Gas consumption data from energy supplier	Electricity consumption data from electricity suppliers and meter read information.	Car business mileage data from employee mileage claims	Chelmsford City Council does not offset its emissions	Fuel supply mix from electricity suppliers	Number of Full time equivalent (FTE) staff employed on 31 <sup>st</sup> March 2023
Heating Oil data from delivery data					
Owned transport fuel consumption from fuel delivery data					

N. B Process and fugitive emissions are not included

### 3.2 Organisational boundary

This report does not include emissions from properties owned by Chelmsford City Council but occupied by a third party where the tenant receives energy bills directly.

This report does not include emissions from buildings where Chelmsford City Council is the tenant and the land lord pays energy bills directly. This is known as the financial control approach.

### 3.3. Intensity Measurement

We have chosen “Number of employees on the last day of the reporting year” as our common metric against which to measure our emissions. This is the number of full-time equivalent staff employees, excluding casual staff.

### 4. Carbon Offsetting

Chelmsford City Council does not purchase carbon offsets. Instead, it invests money into improving the efficiency of its current building stock and operational practices.

### 5. Report verification

This report aims to be transparent about the energy sources and green house gas emissions used by Chelmsford City Council. The report is checked by our internal audit team before publication.

Any questions regarding the content or methodology relating to this report should be submitted via an online enquiry from the Council’s homepage at [Chelmsford.gov.uk](http://Chelmsford.gov.uk)

#### Sources

I [Adapting to climate change: A guide to local councils \(publishing.service.gov.uk\)](https://www.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/101414/adapting-to-climate-change-a-guide-to-local-councils.pdf)