

Carbon emissions report 2021 to 2022

Introduction

The City Council declared a Climate Emergency in October 2019 and set a target to become carbon neutral by 2030 through reducing carbon emission to as close to zero by 2030 after which carbon offsetting will be used to bring carbon emissions to zero. In addition, in January 2022 the Council set a target to become net zero by 2040 with the minimal use of carbon offsetting.

The data in the tables covers the Councils emissions from 95% of corporate buildings, schools¹ and street lighting, 100% of our staff mileage in their own cars while undertaking Council business and water.

Climate change poses a significant risk to the City Council and its administrative boundary. The Council has recognised these risks and this is an increasing part of the Councils risk assessment process. The Council has entered into several working relationships with lead companies in carbon reduction technologies and solutions.

In the last few years we have invested in photovoltaic installations at one of our libraries, car park and sports stadium, LED streetlighting to reduce energy use from the grid and carbon emissions. We also have a programme of improving the energy efficiency in our buildings as well as investing in electric vehicles.

GHG emissions data for period 1st April 2021 to 31st March 2022			
	Global tonnes of CO ₂ e		
	2021/22	2020/21	Base Year 2007/08
Scope 1	11,883.80	11,165.29	24,599
Scope 2	5,720.61	5,318.93	29,699
Scope 3	1,158.15	307.37	683
Total gross emissions	18,580.68	16,791.59	54,981
Carbon offsets	0	0	0
Green tariff	0	0	0
Total annual net emissions	18,580.68	16,791.59	54,981

¹ Due to the growth in academy schools and difficulty in obtaining emissions data we have only reported emissions from schools maintained by the City Council.

Company Information

Hull City Council is a Unitary Local Authority responsible for the geographical area of the City of Kingston upon Hull. The authority is based at The Guildhall, Alfred Gelder Street, Kingston upon Hull HU1 2AA.

Questions about this data can be emailed to climate.change@hullcc.gov.uk

Reporting Period

This report covers the period 1st April 2021 – 31st March 2022.

Change in Emissions

The total emissions have increased by 10.65% from last year. Emissions have increased across all Scopes, but Scope 3 now includes additional carbon emitting sources from our outsourced emissions from NPS Humber and the transmission and distribution losses from electricity consumption. This equates to a decrease in carbon emissions of 1,789.09 tonnes of CO₂e.

The Council's total carbon emissions represent a 66.2% reduction from our baseline year of 2007/8.

The significant decrease from the baseline has been influenced, alongside significant energy reduction activity, by a combination of impacts including the exclusion of schools from Scope 1 and 2 from 2016/17 and decarbonisation of the electricity grid.

Approach

We have followed the Government's Guidance on how to measure and report greenhouse gas emissions. This year we are using the Local Partnerships and Local Government Association Carbon Emissions Accounting Tool.

Organisational boundary

The emissions are those generated as a direct result of the activities of the City Council in the delivery of its local authority function including emissions from maintained schools. This year also includes emissions from outsourced Council company NPS Humber.

Operational scopes

We have measured our Scope 1, 2 and significant element of Scope 3.

	GHG emissions 2021/22 in tonnes of CO₂e	State specific exclusions and % this represents for relevant scope (excluding geographic exclusions)
Scope 1		
Heating fuel consumption	8,831.01	
Owned transport	3,052.79	
Process emissions	0	
Fugitive emissions	0	Excluded, due to cost of data collection. These are expected to be <0.1% of total Scope 1 emissions

Total Scope 1	11,883.80	
Scope 2		
Purchased Electricity	5,720.61	
Total Scope 2	5,720.61	
Significant scope 3		
Business travel	353.03 ²	
Water	117	
Transmission & Distribution Losses	506.24	
Outsourced Scope 3	181.89 ³	
Employee commuting		Not recorded
Waste Disposal		Not recorded
Total significant scope 3	1,158.15	

Base Year

We have established a baseline year of 2007/8 for reporting under this framework. While the Council has accurate data for emissions from its buildings back to 2000 this level of data is not available for our grey fleet and therefore would not provide an accurate baseline year across all Scope's using this framework.

Targets

Our emissions reduction target is to achieve carbon neutrality by 2030 through continued carbon reduction and carbon offsetting from 2030 and to be net zero by 2040 with minimal offsetting.

Intensity Measurement

We have used the Department of Climate Change approved methodology for establishing the carbon intensity of the different fuel types used by the Council. We have expressed this in tonnes of carbon.

External Assurance Statement

We have not undertaken an external assessment of our carbon emission declaration.

Carbon offsets

The Council has not purchased any carbon credits for its emissions during the period of the report.

Green tariffs

The Council has purchased energy from green tariffs during the period of the report

² As car size and fuel type is not specified in the data provided by Hull City Council, the conversion factor used from the table is set to "average car" and fuel "unknown".

³ These are the heat and power emissions of NPS Humber an outsourced HCC company