

# Carbon emissions report 2015 - 2016

The city council has adopted the cities carbon reduction targets in the environment and climate change strategy 2010 - 2020. The council is aiming to reduce its carbon emissions by 34 – 45 per cent by 2020 from a 2005 baseline. The data in this report though has a baseline of 2007 - 2008 because this is the date we have accurate information across our buildings and transport. Previous to this date information is only available for our buildings.

The data in the tables covers the council's emissions from 95 per cent of our buildings, including schools and streetlighting and 100 per cent of our staff mileage in their own cars while undertaking council business.

Climate change poses a significant risk to the city council and its administrative boundary. The council has recognised these risks and they are 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 to reduce energy use from the grid and carbon emissions. We also have an extensive programme of secondary school refurbishment which has seen the installation of biomass boilers.

The period 2015 - 2016 continues the implementation of further energy spend to save projects and the continuation of the replacement of all street light in the city with LED.

## GHG emissions data for period 1 April 2015 to 31 March 2016

	Global tonnes of CO2e		
	2015-2016	2014-2015	2007-2008 (base year)
<b>Scope 1</b>	17,185	18,932	24,599
<b>Scope 2</b>	24,625	30,748	29,699
<b>Scope 3</b>	555	749	683
<b>Total gross emissions</b>	<b>42,365</b>	<b>50,429</b>	<b>54,981</b>
Carbon offsets	0	0	0
Green tariff	0	0	0
<b>Total annual net emissions</b>	<b>42,365</b>	<b>50,429</b>	<b>54,981</b>

## Company information

Hull City Council is a Unitary Local Authority responsible for the geographical area of the city of Hull. The authority is based at The Guildhall, Alfred Gelder Street, Hull, HU1 2AA. Questions about this data can be emailed to [climate.change@hullcc.gov.uk](mailto:climate.change@hullcc.gov.uk)

## Reporting period

This report covers the period 1 April 2015 – 31 March 2016.

## Change in emissions

The total emissions have decreased by 15.9 per cent from last year which has been experienced across all three scope areas. This is equal to a decrease in carbon emissions of 8,064 tonnes of CO<sub>2</sub>e. The total carbon emissions represent a 22.9 per cent reduction from our baseline year of 2007 - 2008.

## Approach

We have followed the governments guidance on how to measure and report greenhouse gas emissions.

## 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 schools.

## Operational scopes

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

		GHG emissions 2015 - 2016 in tonnes of CO <sub>2</sub> e	State specific exclusions and per cent that this represents for relevant scope (excluding geographic exclusions)
Scope 1	Heating fuel consumption	15,833	
	Owned transport	1,352	
	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

	<b>Total scope 1</b>	<b>17,185</b>	
<b>Scope 2</b>	Purchased electricity	24,625	
	<b>Total scope 2</b>	<b>24,625</b>	
<b>Significant scope 3</b>	Business travel	555	
	Employee commuting	0	Not recorded
	Waste disposal	0	Not recorded
	<b>Total significant scope 3</b>	<b>555</b>	

## Base year

We have established a baseline year of 2007 - 2008 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 reduce our carbon emissions by 34 - 45 per cent by 2020 from a 2005 baseline across the scope elements recorded above.

## 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 not purchased any of its energy from green tariffs during the period of the report.