

Carbon emissions report 2016 to 2017

Introduction

The City Council 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% by 2020 from a 2005 baseline. The data in this report though has a baseline of 2007/8 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 Councils emissions from 95% of corporate buildings, schools¹ and street lighting and 100% 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 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 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.

The Council is also nearing the completed the city wide street lighting LED retrofitting programme.

| GHG emissions data for period 1st April 2016 to 31 st March 2017 | | | |
|---|------------------------------------|------------------|-------------------|
| | Global tonnes of CO ₂ e | | |
| | 2017/18 | 2016/17 | Base Year 2007/08 |
| Scope 1 | 10,770.80 | 15,714.47 | 24,599 |
| Scope 2 | 12,128.32 | 21,514.08 | 29,699 |
| Scope 3 | 444.33 | 454.49 | 683 |
| Total gross emissions | | 37,683.08 | 54,981 |
| Carbon offsets | 0 | 0 | 0 |
| Green tariff | 0 | 0 | 0 |
| Total annual net emissions | 23,343.45 | 37,683.08 | 54,981 |

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 emailed to climate.change@hullcc.gov.uk

¹ From last year 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.

Reporting Period

This report covers the period 1st April 2017 – 31st March 2018

Change in Emissions

The total emissions have decreased by 38.05% from last year which has been experienced primarily across Scopes 1 and 2. This equates to a decrease in carbon emissions of 14,339.63 tonnes of CO₂e.

The Council's total carbon emissions represent a 57.54% 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 in the last two years, the impact of the temporary closure of major energy consuming buildings for refurbishment over the last two to three years and rationalisation of the Council estate.

All of the temporary closed buildings will be fully operational in early 2018/19.

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 maintained schools.

Operational scopes

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

| | GHG emissions 2017/18 in tonnes of CO ₂ e | State specific exclusions and % this represents for relevant scope (excluding geographic exclusions) |
|----------------------------|--|--|
| Scope 1 | | |
| Heating fuel consumption | 8,389.92 | |
| Owned transport | 2,380.87 | |
| 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 | 10,770.80 | |
| Scope 2 | | |
| Purchased Electricity | 12,128.32 | |
| Total Scope 2 | 12,128.32 | |
| Significant Scope 3 | | |

| | GHG emissions 2017/18 in tonnes of CO ₂ e | State specific exclusions and % this represents for relevant scope (excluding geographic exclusions) |
|----------------------------------|--|--|
| Business travel | 444.33 ² | |
| Employee commuting | 0 | Not recorded |
| Waste Disposal | 0 | Not recorded |
| Total significant scope 3 | 444.43 | |

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 reduce our carbon emissions by 34-45% 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

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".