

## GREENHOUSE GAS EMISSIONS SUMMARY

### INTRODUCTION

The tables below outline greenhouse gas emissions (GHG) for East Riding of Yorkshire Council. This report has been compiled using the standard GHG guidance from the Department for Environment, Food and Rural Affairs (Defra) based on the GHG Protocol (the internationally recognised standard for the corporate accounting and reporting of GHG emissions).

Emissions measured in carbon dioxide equivalent (CO<sub>2</sub>e)

Scope	tonnes of CO <sub>2</sub> e				
	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
Scope 1	25,819	29,269	26,022	22,741	22,392
Scope 2	24,496	24,810	23,184	24,908	22,857
Scope 3	4,590	4,483	4,465	4,606	4,101
<b>Total gross emissions</b>	<b>54,905</b>	<b>58,563</b>	<b>53,672</b>	<b>52,254</b>	<b>49,350</b>
Carbon offsets	- 38	- 132	- 134	- 45	- 40
<b>Total annual net emissions</b>	<b>54,867</b>	<b>58,431</b>	<b>53,538</b>	<b>52,209</b>	<b>49,310</b>

Emissions measured in carbon dioxide (CO<sub>2</sub>)

Scope	tonnes of CO <sub>2</sub>				
	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016
Scope 1	25,222	28,636	25,570	22,394	22,078
Scope 2	24,340	24,651	23,023	24,705	22,674
Scope 3	4,558	4,452	4,437	4,573	4,074
<b>Total gross emissions</b>	<b>54,120</b>	<b>57,739</b>	<b>53,030</b>	<b>51,672</b>	<b>48,826</b>
Carbon offsets	- 36	- 121	- 126	- 45	- 40
<b>Total annual net emissions</b>	<b>54,084</b>	<b>57,618</b>	<b>52,904</b>	<b>51,627</b>	<b>48,786</b>

## APPROACH

This report follows standard practice by reporting GHG emissions in tonnes of CO<sub>2</sub> equivalents (CO<sub>2</sub>e). An additional table is provided showing the emissions measured as tonnes of CO<sub>2</sub>. The figures above have been calculated using conversion factors provided by Defra.

## CARBON OFFSETS

In accordance with the reporting guidance, emissions for any renewable electricity generated and exported to the grid have been offset against the total gross emissions. This electricity has been generated by the council's photovoltaic installations.

## OPERATIONAL SCOPE

Emissions from council activities have been categorised into three scopes. The three scopes are:

- **Scope 1 (Direct emissions):** Activities owned or controlled by the council that release emissions straight into the atmosphere. These include emissions from the combustion of natural gas and gas oil to provide heating in council owned property (including schools) and diesel used in council vehicles.
- **Scope 2 (Energy indirect):** Emissions being released into the atmosphere associated with purchased electricity. Included within this scope are emissions that occur as a consequence of the consumption of electricity at all council owned property (including schools) and street lighting.
- **Scope 3 (Other indirect):** Emissions that are a consequence of council actions which occur at sources that the council does not own or control. This report focuses exclusively on scope three emissions occurring from business mileage, rail travel and the transmission and distribution of electricity.