

Green House Gas (GHG) Emissions for Huntingdonshire District Council's (HDC) Estate – Financial Year 2014/2015

GHG emissions data for period 1 April 2014 to 31 March 2015							
	Global Tonnes of Carbon Dioxide equivalent (CO ₂ e)*						
	14/15	13/14	12/13	11/12	10/11	09/10	Base Year 08/09
Scope 1 – Direct emissions	2,867	2,821	2,781	2,647	3,153	2,934	3,005
Scope 2 – Energy indirect	2,140	2,107	2,277	2,462	2,733	2,849	2,915
Scope 3 – Other indirect	249	276	278	343	356	378	377
Total gross emissions	5,256	5,204	5,336	5,452	6,242	6,161	6,297
Carbon offsets		-	-	-	-	-	-
Green tariff		-	-	-	-	-	-
Total annual net emissions	5,256	5,204	5,336	5,452	6,242	6,161	6,297
Intensity measurement 'Tonnes of CO ₂ e per member of full time staff'	9.4	8.7	8.6	8.6	9.0	8.7	9.0

*CO₂e includes Carbon Dioxide, Nitrous Oxide and Methane emissions

Company Information

HDC is a District Council covering a geographical area of approximately 350 square miles and home to a population of over 160,000.

Reporting Period

1 April 2014 – 31 March 2015

Please note – Our carbon footprint has been restated for all years in order to account for material changes to the conversion factors provided by DEFRA.

Change in emissions

Scope 1 - This section of the table records all of HDC's gas, petrol and diesel consumption, used to heat Council-owned buildings and run the fleet of waste collection, street cleansing vehicles and pool cars.

There has been a slight increase in CO₂e from the consumption of gas, although petrol and diesel CO₂e emissions have continued to decrease since the baseline year. The increase can be attributed to the installation of a large combined heat and power unit at one of our major leisure centres. We continue to reschedule refuse and recycling rounds to reduce miles travelled by the fleet, and have a number of staff initiatives promoting sustainable travel to and for work. **Overall, CO₂e emissions from scope 1 sources have decreased by 138 tonnes since the baseline year (2008/2009).**

Scope 2 - This section of the table records all of the electricity used to power HDC's Council-owned buildings.

Although we have always shown a steady decrease in emissions from this source, the last reporting year has showed a slight increase. This is likely to be the result of some major extension and refurbishment works at one of our larger One Leisure Centres. **Overall, Scope 2 CO₂e emissions have decreased by 775 tonnes since the baseline year (2008/2009).**

Scope 3 - This section of the table records CO₂e emissions from HDC's business travel and transmission and distribution losses from scope 2. HDC have chosen not to report emissions from commuter travel as the data is incomplete and believed to be responsible for only a small proportion of total emissions.

There has been a further decline in CO₂e emissions associated with business travel since the baseline year. The continued use of the Council's pool car and bicycle fleet, the take up of tele-working and changes to the employee travel allowance scheme have all contributed to emissions reductions. **Overall, scope 3 emissions have been reduced by 128 tonnes since the baseline year (2008/2009).**

Approach

We have followed the Governments Environmental Reporting Guidelines for 2013, using the Carbon Smart web based tool and the conversion factors calculated by Ricardo-AEA (2015) to measure and report GHG emissions.

Organisational boundary

We have used the financial control approach.

Operational scopes

The Council has measured scope 1, 2 and 3 emissions where a monitoring system is in place to do so.

Overall, scopes 1, 2 and 3 together result in an increase of 52 tonnes of CO₂e emissions in the last year (0.9%) and a reduction of 1,041 tonnes of CO₂e emissions (16.5%) since the baseline year.

The work undertaken to achieve these savings has been supported by a ring-fenced Salix Energy Efficiency fund and has resulted in financial savings to the Council in energy and fuel costs.

	GHG emissions 13/14 in tonnes CO ₂ e	Exclusions and % this represents
Scope 1		
Gas consumption	1,399	
Owned transport	1,468	
Process emissions		
Fugitive emissions		
Total scope 1	2,867	
Scope 2		
Purchased electricity	2,140	
Total scope 2		
Significant scope 3	2,107	
Business travel	72	By private staff vehicle only
Electricity transmission & distribution losses	177	
Total significant scope 3	249	

Base year

Our baseline year is 2008/2009 which we set using a fixed base approach. We have recalculated our baseline year emissions and those of following years to take into account the change in GHG emissions factors.

Targets

Our emissions reduction target is to reduce our global GHG emissions, scopes 1, 2 and 3, by 2% annually from the baseline year 2008/2009.

Intensity measure

The Council has chosen 'tonnes of CO₂e per member of full time staff' as the Council does not have a product output. Our intensity measure has increased this year due to a further decrease in staff and a small increase in CO₂e.

External assurance statement

None currently in place

Carbon offsets

The Council has not brought into any carbon offsetting schemes.

For more information please contact the Environment Team on 01480 388388 or email tracy.martin@huntingdonshire.gov.uk