

# Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1 <sup>ST</sup> APRIL 2014 TO 31 <sup>ST</sup> MARCH 2015							
	Global Tonnes of CO <sub>2</sub> e						
	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10	2008/09
Scope 1	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	1603.00	1655.14	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	3756.00	3806.11	3924.47	4003.89	4022.47	4069.41	3880.47
Carbon Offsets	-	-	-	2.23	2.80	2.00	2.82
<b>Total annual net emissions</b>	3756.00	3806.11	3924.47	4001.66	4019.67	4067.41	3877.65

## COMPANY INFORMATION

Dover District Council is a local authority constituted under the Local Government Act 1972. The principal office is located at the White Cliffs Business Park, Dover, Kent CT16 3PJ

## REPORTING PERIOD

1 April 2014 to 31 March 2015

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## CHANGE IN EMISSIONS

Using Degree Day analysis for establishing weather corrected data for the South East region (heating base temperature 15.5°C) there has been a 21% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 5% decrease compared to 2013/14. Scope 1 (gas consumption) at the Dover Museum, Dover Town Hall and the Council Offices, Whitfield were all lower than both the baseline year (2008/09) and the previous year (2013/14).

There has been an overall reduction in electricity consumption at all sites that are the heaviest consumers of electricity (Council Offices, Whitfield, Dover Museum, Dover Town Hall, Tides Leisure Centre and Tides Tennis Hall).

Purchased electricity (Scope 2), Electricity Transmission & Distribution (Scope 3) and Managed Assets Electricity (Scope 3) were lower than the 2013/2014 consumption in kWhs, however due to the fact that the conversion factor was higher reported tonnes of CO<sub>2</sub> e has increased (see Optional Scope table on page 3).

Staff/ Members mileage and rail travel have reduced compared to 2013/14. Scope 1 owned transport emissions were slightly increased mainly due to the fact that the provision of dog warden and environmental enforcement reported in 2013/2014 was not for the full year (brought back in-house July 2013).

This year has seen a reduction in carbon emissions against all previous years. The intensity measurement (Page 4) shows a 13.71% reduction in emissions compared to the baseline year (2008/09).

## APPROACH

We have used 2008/09 as our base year because we do not have accurate data prior to this date. Our baseline data has been recorded in accordance with the Government's NI185 spreadsheet and includes Scope 3 discretionary elements relating to business mileage, transmission and distribution of electricity and electricity consumption of managed assets.

We have totalled our energy usage/ distance travelled under each scope, using the appropriate 2014 conversion factors we have converted our energy usage to tonnes of CO<sub>2</sub>e, these figures have been carried forward to the table of GHG emissions shown on the previous page.

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## ORGANISATIONAL BOUNDARIES

We have used the financial control approach. It should be noted that Dover District Council has leased the management of its Town Hall and Leisure Centres to a private management organisation, and the waste/ recycling collection is contracted out.

<b>OPTIONAL SCOPE</b>		
<b>We have measured our scope 1, 2 and the significant scope 3 emissions</b>		
	GHG emissions 2014/15 in tonnes of CO <sub>2</sub> e	Specific exclusions and where known the % this represents
<b>Scope 1</b>		
Gas Consumption	1155.00	
Owned Transport	22.00	
Fugitive Emissions	-----	Emissions from AHU's in office buildings are excluded due to the cost of data collection. Losses are estimated to be <1% of Scope 1
<b>Total Scope 1</b>	<b>1177.00</b>	
<b>Scope 2</b>		
Purchased electricity	976.00	
Wind Turbine	-	
<b>Total Scope 2</b>	<b>976.00</b>	
<b>Scope 3</b>		
Business travel	65.00	
Freight	852.00	
Electricity Transmission & Distribution	85.35	
Managed Assets Electricity	677.80	
<b>Total Significant Scope 3</b>	<b>1680.15</b>	

## BASE YEAR

Our base year is 2008/09. We calculated our energy usage using the NI185 National Performance Indicator data set. CO<sub>2</sub>e data has been recalculated using the GHG emissions factors published on the DECC website

## TARGETS

Our emission reduction target is to reduce our global CO<sub>2</sub>e by 15% from 2008 to 2015 for scopes 1, 2 & 3

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## **INTENSITY MEASUREMENT**

We have chosen Tonnes of CO<sub>2</sub>e per square metre of corporate building space as this metric will be a valuable comparator.

Our intensity measurement is 3756.00/24843 – giving a measurement of 0.151tonnes CO<sub>2</sub>e per m<sup>2</sup> or approximately 151.00 Kg CO<sub>2</sub>e per m<sup>2</sup>. The 2008/09 intensity measurement is 3877.65/22163 – giving a measurement of 0.175 tonnes CO<sub>2</sub>e per m<sup>2</sup> or approximately 175.0 Kg CO<sub>2</sub>e per m<sup>2</sup>. This equates to a decrease of 13.71% in 2014/15 compared to the baseline year.

## **ASSURANCE STATEMENT**

All data used to calculate our GHG report has been carefully filed and stored and may be audited if necessary.

**Amanda Martin**  
Climate Change and Energy Conservation Officer  
Dover District Council  
Aug 2015