

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1 ST APRIL 2015 TO 31 ST MARCH 2016								
				Global Tonnes of CO ₂ e				
	2015/16	2014/15	2013/14	2012/13	2011/12	2010/11	2009/10	2008/09
Scope 1	1201.00	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	877.00	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	1472.00	1603.00	1655.14	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	3550.00	3756.00	3806.11	3924.47	4003.89	4022.47	4069.41	3880.47
Carbon Offsets	-	-	-	-	2.23	2.80	2.00	2.82
Total annual net emissions	3550.00	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 2015 to 31 March 2016

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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 30% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 3% decrease compared to 2014/15. Gas consumption kWhs (Scope 1) was 5% lower in 2015/2016 compared to 2008/09 and 0.5% lower in 2015/16 compared to 2014/15 (due in the main to reduced consumption at Tides Leisure Centre, Dover Leisure Centre and Marke Wood).

There has been a 19% reduction in electricity consumption as compared to the baseline year and is 3% lower than 2014/2015. There has been a continued decrease in electricity consumption in the Council Offices Whitfield which has LED lighting installed over the past 2 years.

Purchased electricity (Scope 2), and Electricity Transmission & Distribution, Freight, and Managed Assets in Scope 3 were lower than the 2014/2015 consumption in tonnes of CO₂e.

There was an increase in mileage across all of Scope 3 Business compared to 2014/15 (9%). Scope 1 owned transport was higher due to the acquisition of a van in the latter part of 2014/2015 for the Asset Management team formed (November 2014) and increased usage of the Environmental Enforcement team's vehicles.

This year has seen a reduction in carbon emissions against all previous years, with a 9% decrease compared to the baseline year. However, the intensity measurement (Page 4) shows a 22.38% 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 2015 conversion factors we have converted our energy usage to tonnes of CO₂e, 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 and grounds maintenance is contracted out.

OPTIONAL SCOPE		
We have measured our scope 1, 2 and the significant scope 3 emissions		
	GHG emissions 2015/16 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1145.00	
Owned Transport	55.50	
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
Total Scope 1	1200.50	
Scope 2		
Purchased electricity	872.84	
Wind Turbine	-	
Total Scope 2	872.84	
Scope 3		
Business travel	70.86	
Freight	674.00	
Electricity Transmission & Distribution	75.36	
Managed Assets Electricity	651.68	
Total Significant Scope 3	1471.90	

BASE YEAR

Our base year is 2008/09. We calculated our energy usage using the NI185 National Performance Indicator data set. CO₂e data has been recalculated using the GHG emissions factors published on the DECC website

TARGETS

Our emission reduction target is to reduce our global CO₂e by 15% from 2008 to 2015 for scopes 1, 2 & 3

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INTENSITY MEASUREMENT

We have chosen Tonnes of CO₂e per square metre of corporate building space as this metric will be a valuable comparator.

Our intensity measurement is 3550.00/24843 – giving a measurement of 0.143 tonnes CO₂e per m² or approximately 143.00 Kg CO₂e per m². The 2008/09 intensity measurement is 3877.65/22163 – giving a measurement of 0.175 tonnes CO₂e per m² or approximately 175.0 Kg CO₂e per m². This equates to a decrease of 22.38% in 2015/16 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
September 2016