

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1 ST APRIL 2012 TO 31 ST MARCH 2013					
	Global Tonnes of CO ₂ e				
	2012/13	2011/12	2010/11	2009/10	2008/09
Scope 1	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	3924.47	4003.89	4022.47	4069.41	3880.47
Carbon Offsets	-	2.23	2.80	2.00	2.82
Total annual net emissions	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 2012 to 31 March 2013

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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 13% increase in Heating Degree Days compared to the baseline year (2008/09) – gas consumption - kWhs(scope 1) for the current reporting year having risen by 6.58% over the baseline year. Scope 1 transport emissions have seen a reduction of 26% over the baseline year (based on kms travelled).

Lighting controls have been introduced to the corridors in the Council Offices at Whitfield, and the continued reduction in electricity consumption - kWhs (6.62% reduction compared to the baseline year) reflects this improvement.

Overall electricity consumption (kWhs) has fallen by 16% compared to the baseline year – (reflected in the decrease in emissions in Scope 2), inspite of the harsh winter. Dover Leisure Centre electricity consumption dropped significantly (132% reduction in kWhs compared to baseline year) – the Managing Agents reported the problem to the supplier and the meter has been checked. However, the overall reduction in electricity consumption could also be in part due to the infrequency of actual meter readings in the past, thus highlighting the need for regular accurate readings.

The extensive recycling scheme (food waste/ paper and cardboard/ dry recycling -i.e. cans, glass, plastics) in the District is reflected in the increase in Scope 3 emissions figures, with green waste collections increasing by 4.69% (based on kms travelled) and recycling collections having risen by 131.63% (based on kms) compared to the baseline year. Whilst the general refuse collections (kms) has decreased, the overall impact of the scheme has meant a 23% increase in kms travelled to carry out refuse operations (street cleaning is excluded from the calculations as 2008/09 figures were quoted in litres and in kms in 2012/13). Staff, Members' mileage and rail travel have decreased compared to the 2008/09 baseline.

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 and transmission and distribution of electricity. All years have been rebaselined in accordance with DECC guidance.

We have totalled our energy usage/ distance travelled under each scope, using the appropriate 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 is contracted out.

OPTIONAL SCOPE		
We have measured our scope 1, 2 and the significant scope 3 emissions		
	GHG emissions 2012/13 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1189.91	
Owned Transport	16.90	
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	1206.81	
Scope 2		
Purchased electricity	1630.04	
Wind Turbine	-	
Total Scope 2	1630.04	
Scope 3		
Business travel	81.86	
Freight	928.67	
Electricity Transmission & Distribution	77.09	
Total Significant Scope 3	1087.62	

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 3924.47/24843 – giving a measurement of 0.158 tonnes CO₂e per m² or approximately 158.00 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 10.76% between 2012/13 and 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
July 2013