

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1ST APRIL 2011 TO 31ST MARCH 2012				
	Global Tonnes of CO ₂ e			
	2011/12	2010/11	2010/09	2009/08
Scope 1	1221.01	1,212.43	1,169.3	1,130.4
Scope 2	2085.13	2,130.2	2,163.6	2,199.4
Scope 3	832.65	680.75	702.3	552.04
Total Gross Emissions	4138.79	4,023.38	4,035.2	3,881.84
Carbon Offsets	2.23	2.8	2.0	2.82
Total annual net emissions	4136.56	4,020.58	4,033.2	3,879.02

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 2011 to 31 March 2012

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CHANGE IN EMISSIONS

Using Degree Day analysis for establishing weather corrected data for the South East region – there has been a 22% decrease in Heating Degree Days compared to last year, and a 20% decrease between the baseline year and 2011/2012.

Good housekeeping and energy efficiency measures have meant continued reduction in both electricity and gas usage at the Council Offices, Whitfield.

Increases in electricity consumption over the base year are in part due to the increase in size of the former Dover Area Office, to become The Gateway (includes KCC and DWP -one stop advice shop for district residents), and the opening of the new Tennis Centre at Deal.

A new waste collection service commenced in April 2012 and included food collection, plastics, paper and general waste. This is a joint contract with Shepway District Council, however this report contains only Dover District Council's apportionment of energy usage and vehicle mileage.

Both electricity and gas consumption figures at Tides Leisure Centre show an increase as compared to the baseline year, however show a decrease compared to figures reported in 2010/11, which could reflect the decrease in heating requirement due to there being fewer heating degree days in 2011/12.

There has been a significant increase in freight travel this year due to the increased type of collections of refuse (green waste, recycling plastic/ glass, paper / card and food waste) across the district in the past 12 months.

The Scope 2 emissions (electricity used) have shown mixed results due in part to the irregularity of accurate meter readings. Measures have now been put in place to ensure meter readings are taken at yearend to redress this.

APPROACH

We have used 2008/09 as our base year because we do not have accurate data prior to this date. Our base line data has been recorded in accordance with the Government's NI185 spreadsheet and includes Scope 3 discretionary elements relating to business mileage. The collected data has been converted to carbon by using DECC's GHG conversion figures which are published on the DECC website in July each year.

We have totalled our energy usage 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.

OPTIONAL SCOPE		
We have measured our scope 1, 2 and the significant scope 3 emissions		
	GHG emissions 2011 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1202.70	
Owned Transport	18.32	
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	1221.02	
Scope 2		
Purchased electricity	2085.13	
Wind Turbine	-2.23	
Total Scope 2	2082.90	
Scope 3		
Business travel	122.39	
Freight	710.26	
Total Significant Scope 3	832.65	

BASE YEAR

Our base year is 2008. 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 (Scope 3 reductions are for business miles only).

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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 4136.56/25148 giving a measurement of 0.1645 tonnes CO₂e per m² or approximately 164.50 Kg CO₂e per m² - a slight decrease on last year's figure of 178KgCO₂e.

ASSURANCE STATEMENT

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

CARBON OFFSET

The Council has installed a 20kW wind turbine at the Whitfield Office site. This was installed in November 2007 and has offset our carbon use by approximately 2.23 tonnes during the year. The turbine is grid connected and has provided Feed in Tariff payments under the Government's renewable energy programme.

Amanda Martin
Energy Support Officer
Dover District Council
July 2012