

Dover District Council's Greenhouse Gas Emissions Report

| GHG EMISSIONS DATA FOR PERIOD 1ST APRIL 2013 TO 31ST MARCH 2014 | | | | | | |
|--|------------------------------------|----------------|----------------|----------------|----------------|----------------|
| | Global Tonnes of CO ₂ e | | | | | |
| | 2013/14 | 2012/13 | 2011/12 | 2010/11 | 2009/10 | 2008/09 |
| Scope 1 | 1206.30 | 1206.81 | 1221.01 | 1212.43 | 1169.31 | 1130.47 |
| Scope 2 | 944.67 | 1630.04 | 1796.70 | 1970.60 | 2036.55 | 2039.06 |
| Scope 3 | 1655.14 | 1087.62 | 986.18 | 839.44 | 863.60 | 710.94 |
| Total Gross Emissions | 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 | 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 2013 to 31 March 2014

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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 16.59% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 16.44% decrease compared to 2012/13. Scope 1 (gas consumption) does not reflect the lower requirement for heat due to higher winter temperatures mainly due to the fact that the Council's Refuse Contractor's gas consumption figures were not provided last year (estimated consumption used), and gas consumption at the Council Offices Whitfield was higher.

There has been an overall reduction in electricity consumption. In 2013/2014 electricity consumption for managed assets has been reported under Scope 3 whereas in 2012/13 it was reported under Scope 2. The higher Transmission and Distribution conversion factor accounts for the raised emission figure quoted under Scope 2 (see Optional Scope table on page 3)

Staff, Members and owned transport mileage has reduced in 2013/14 compared to last year. In 2013/2014 the provision of dog warden and environmental enforcement was brought back 'in house' hence the higher Scope 1 (Owned Transport) emissions compared to 2012/13.

This year has seen a reduction in carbon emissions against all previous years, however, more notably the intensity measurement (Page 4) shows a 29.14% 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 2013 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 2013/14 in tonnes of CO ₂ e | Specific exclusions and where known the % this represents |
| Scope 1 | | |
| Gas Consumption | 1188.30 | |
| Owned Transport | 18.00 | |
| 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 |
| Total Scope 1 | 1206.30 | |
| Scope 2 | | |
| Purchased electricity | 944.67 | |
| Wind Turbine | - | |
| Total Scope 2 | 944.67 | |
| Scope 3 | | |
| Business travel | 73.38 | |
| Freight | 867.54 | |
| Electricity Transmission & Distribution | 80.77 | |
| Managed Assets Electricity | 633.45 | |
| Total Significant Scope 3 | 1655.14 | |

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 3806.11/24843 – giving a measurement of 0.124 tonnes CO₂e per m² or approximately 124.00 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 29.14% in 2013/14 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 2014