

Dover District Council's Greenhouse Gas Emissions Report

| GHG EMISSIONS DATA FOR PERIOD 1 ST APRIL 2016 TO 31 ST MARCH 2017 | | | | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Global Tonnes of CO ₂ e | | | | | | | | | |
| | 2016/17 | 2015/16 | 2014/15 | 2013/14 | 2012/13 | 2011/12 | 2010/11 | 2009/10 | 2008/09 |
| Scope 1 | 1190.96 | 1200.50 | 1177.00 | 1206.30 | 1206.81 | 1221.01 | 1212.43 | 1169.31 | 1130.47 |
| Scope 2 | 783.13 | 872.84 | 976.00 | 944.67 | 1630.04 | 1796.70 | 1970.60 | 2036.55 | 2039.06 |
| Scope 3 | 1430.95 | 1504.33 | 1603.00 | 1655.14 | 1087.62 | 986.18 | 839.44 | 863.60 | 710.94 |
| Total Gross Emissions | 3405.04 | 3577.67 | 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 | 3405.04 | 3577.67 | 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 2016 to 31 March 2017

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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 22% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 1.5% increase compared to 2015/16

Scope 1 Stationary was higher in 2016/17 compared to 2015/16 due in the main to increases in gas consumption at Deal Leisure Pool and Dover Town Hall. Both Dover Museum and the Council Offices gas consumption was reduced - new more efficient boilers were installed in the Whitfield Offices.

Increases in the number of staff claiming mileage, and mileage travelled by members, together with a decrease in train travel impacted on the Scope 3 transport figures.

There was a decrease in mileage for Council owned vehicles (Scope 1 transport) in 2016/17 compared to 2015/16

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 2016 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 to a private company.

| OPTIONAL SCOPE | | |
|--|--|---|
| We have measured our scope 1, 2 and the significant scope 3 emissions | | |
| | GHG emissions 2016/17 in tonnes of CO ₂ e | Specific exclusions and where known the % this represents |
| Scope 1 | | |
| Gas Consumption | 1165.46 | |
| Owned Transport | 25.50 | |
| 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 | 1190.96 | |
| Scope 2 | | |
| Purchased electricity | 783.13 | |
| Wind Turbine | - | |
| Total Scope 2 | 783.13 | |
| Scope 3 | | |
| Business travel | 82.40 | |
| Freight | 693.57 | |
| Electricity Transmission & Distribution | 70.83 | |
| Managed Assets Electricity | 584.15 | |
| Total Significant Scope 3 | 1430.95 | |

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

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TARGETS

Our emission reduction target is in line with National and Local ambition. The Council's Corporate Plan details what the Council wants to achieve by 2020, including continue to minimise the Council's own impact on the environment through a reduction in energy used and carbon emissions.

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 3405.04/24843 – giving a measurement of 0.137tonnes CO₂e per m² or approximately 137.06 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% in 2016/17 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
November 2017