

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1 ST APRIL 2017 TO 31 ST MARCH 2018										
	Global Tonnes of CO ₂ e									
	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010 2011	2009/ 2010	2008/ 2009
Scope 1	1210.00	1190.96	1200.50	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	641.00	783.13	872.84	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	1193.81	1430.95	1504.33	1603.00	1655.14	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	3044.81	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	3044.81	3405.04	3544.67	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 2017 to 31 March 2018

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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% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 8.29% increase compared to 2016/17

Scope 1 Stationary was lower in 2017/18 compared to 2016/17 eventhough the winter months through to March 2018 were colder the overall gas consumption was lower, due in part to the more efficient boilers at the Council Offices, Whitfield.

Electricity consumption was also reduced in 2017/18 compared to 2016/17 across the majority of sites.

The higher staff mileage figure in Scope 3 is due to a 26% increase in the number of staff claiming mileage. However, there was a decrease in refuse and members mileage and train travel resulting in a reduction in the overall Scope 3 transport.

Grounds maintenance is now reported under Scope 1 as the service was brought back in house in April 2017. Mileage for this service was also lower than 2016/17 levels.

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 2017 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		
<i>We have measured our scope 1, 2 and the significant scope 3 emissions</i>		
	GHG emissions 2017/18 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1142.00	
Owned Transport	68.00	
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	1210.00	
Scope 2		
Purchased electricity	641.00	
Wind Turbine	-	
Total Scope 2	641.00	
Scope 3		
Business travel	87.73	
Freight	553.30	
Electricity Transmission & Distribution	67.76	
Managed Assets Electricity	485.02	
Total Significant Scope 3	1193.81	

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 3044.81/24843 – giving a measurement of 0.12256 tonnes CO₂e per m² or approximately 122.56 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 30% in 2017/2018 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
January 2019