

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1ST APRIL 2018 TO 31ST MARCH 2019

Global Tonnes of CO₂e

	2018/ 2019	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010 2011	2009/ 2010	2008/ 2009
Scope 1	1171.30	1210.00	1190.96	1200.50	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	502.67	641.00	783.13	872.84	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	991.60	1193.81	1430.95	1504.33	1603.00	1655.14	1087.62	986.18	839.44	863.60	710.94
Total Gross Emissions	2665.57	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	2665.57	3044.81	3405.04	3577.67	3756.00	3806.11	3924.47	4001.66	4019.67	4067.41	3877.65

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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 2018 to 31 March 2019

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 28% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 16% decrease compared to 2017/18

Overall energy consumption in kWhs (Scope 1 and 2 (gas and electricity) has fallen by 3.% in 2018/ 19 compared with 2017/18.

Scope 1 Stationary (gas kWhs) was 4% lower in 2018/19 compared to 2017/18

Scope 2 Stationary (electricity kWhs) was 3% lower in 2018/19 compared to 2017/18

Scope 3 Stationary Managed Assets (electricity kWhs) increased by 7%, due in the main to increased consumption at the old Dover Leisure Centre. This building closed in February 2019.

44,667 fewer miles were travelled by staff on Council business equating to a decrease of 15% in 2018/19 compared to 2017/18. Members' mileage increased by 2,846 miles. Train travel was up by 49.14% in the year 2018/19 compared to 2017/18

Grounds maintenance mileage was slightly higher (19% increase) in 2018/19 compared to 2017/18 12965 miles more travelled.

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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 2018 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.

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.

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<i>OPTIONAL SCOPE</i>		
<i>We have measured our scope 1, 2 and the significant scope 3 emissions</i>		
	GHG emissions 2018/19 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1098.45	
Owned Transport	72.85	
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	1171.30	
Scope 2		
Purchased electricity	502.67	
Wind Turbine	-	
Total Scope 2	502.67	
Scope 3		
Business travel	76.46	
Freight	453.76	
Electricity Transmission & Distribution	42.84	
Managed Assets Electricity	418.54	
Total Significant Scope 3	991.60	

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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 ambition to reduce emissions reflects National targets. A recommendation has recently been submitted to Dover District Council's cabinet proposing that a Climate Change Strategy and Action Plan, led by a Member Working Group, be prepared, setting out plans for Dover District Council to become a net zero carbon emitter by 2030 at the latest.

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 2665.57/22,113 – giving a measurement of 0.12054 tonnes CO₂e per m² or approximately 120.54 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 31% in 2018/2019 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 2019

