

Dover District Council's Greenhouse Gas Emissions Report

GHG EMISSIONS DATA FOR PERIOD 1 ST APRIL 2020 TO 31 ST MARCH 2021												
Global Tonnes of CO2e												
	2019/ 2020	2018/ 2019	2017/ 2018	2016/ 2017	2015/ 2016	2014/ 2015	2013/ 2014	2012/ 2013	2011/ 2012	2010 2011	2009/ 2010	2008/ 2009
Scope 1	1260.51	1171.30	1210.00	1190.96	1200.50	1177.00	1206.30	1206.81	1221.01	1212.43	1169.31	1130.47
Scope 2	434.16	502.67	641.00	783.13	872.84	976.00	944.67	1630.04	1796.70	1970.60	2036.55	2039.06
Scope 3	1014.89	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	2709.56	2665.57	3044.81	3405.04	3577.67	3756.00	3806.11	3924.47	4003.89	4022.47	4069.41	3880.47
Carbon Offsets	14.67	-	-	-	-	-	-	-	2.23	2.80	2.00	2.82
Total annual net emissions	2694.89	2655.57	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 2019 to 31 March 2020

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 24% decrease in Heating Degree Days compared to the baseline year (2008/09) and a 6% increase compared to 2018/19

Overall energy consumption in kWhs (Scope 1 and 2 (gas and electricity) has increased by 6% in 2019/ 20 compared with 2018/19.

Scope 1 Stationary (gas kWhs) was 9% higher in 2019/20 compared to 2018/19

Scope 2 Stationary (electricity kWhs) was 4% lower in 2019/20 compared to 2018/19

Scope 3 Stationary Managed Assets (electricity kWhs) increased by 17% 2019/2020 compared to 2018/19. This increase is due in part to the new Dover Leisure Centre being 37% larger in square meterage than the old facility. There were also increases in electricity consumption at both the Dover Town Hall and Tides, however there was a small reduction in usage at Tides Tennis Hall.

The solar pv array on the Dover Leisure Centre has enabled 14.67 tonnes of carbon offsets to be deducted from 2019/2020 total emission figure.

Scope 3 Transport

Members mileage (-9%), the Grounds Maintenance service (33%) were lower in 2019/2020 compared to 2018/19.

Both miles travelled by staff on Council business and train travel increased. 49,297 more miles were travelled by staff on Council business equating to a 20% increase whilst train travel increased by 2% compared to 2018/19.

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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 2019 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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OPTIONAL SCOPE		
<i>We have measured our scope 1, 2 and the significant scope 3 emissions</i>		
	GHG emissions 2019/20 in tonnes of CO ₂ e	Specific exclusions and where known the % this represents
Scope 1		
Gas Consumption	1203.09	
Owned Transport	57.42	
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	1260.51	
Scope 2		
Purchased electricity	434.16	
Total Scope 2	434.16	
Scope 3		
Business travel	89.47	
Freight	444.85	
Electricity Transmission & Distribution	36.86	
Managed Assets Electricity	443.72	
Solar pv generation – Dover Leisure Centre	-14.67	
Total Significant Scope 3	1000.23	

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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 conversion factors published on the Government website.

TARGETS

Our ambition to reduce emissions reflects National targets. Dover District Council declared a Climate Change Emergency in January 2020 with the ambition to become a net zero carbon emitter by 2030.

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 2694.89/23,861 – giving a measurement of 0.1129 tonnes CO₂e per m² or approximately 112.94 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 35% in 2019/2020 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 2020

