

Black Country CO₂ Emissions Estimates – 2017

Summary

- In 2017, the Black Country produced a total of 4,766 Kt CO₂ emissions. This equates to 4.0 tonnes per capita, below the England average of 5.1.
- Compared to 2016, the Black Country has reduced emissions by 1.8% (-88 Kt CO₂)¹. England's overall emissions have decreased by 3.6%. In the Black Country, tonnes per capita has reduced by 2.4% since 2016.

Full Briefing

- In 2017, the Black Country area produced a total of 4,766 Kt CO₂ emissions. This equates to 4.0 tonnes per capita, below the England average of 5.1.
- Within the Black Country, Sandwell produced the highest emissions at 1,486 Kt CO₂ (4.6 tonnes per capita) and Wolverhampton was the lowest with 973 Kt CO₂ (3.7 tonnes per capita).
- Emissions are broken down into four categories which can be seen in the following figure. Within the Black Country area, the highest category to emit emissions was domestic at 1,668 Kt CO₂ in 2017. In contrast the Land Use, Land Use Change and Forestry (LULUCF) was -8 Kt CO₂.

Figure 1: 2016- 2017 Emissions in the Black Country & England

	2016 Industry and Commercial	2016 Domestic	2016 Transport	2016 N. LULUCF Net Emissions	2016 Grand Total	2016 Per Capita Emissions (t)	2017 Industry and Commercial	2017 Domestic	2017 Transport	2017 N. LULUCF Net Emissions	2017 Grand Total	2017 Per Capita Emissions (t)
Dudley	319	496	408	-2	1,221	3.8	314	474	402	-2	1,188	3.7
Sandwell	502	449	532	-2	1,482	4.6	497	431	560	-2	1,486	4.6
Walsall	329	415	395	-2	1,136	4.1	317	395	408	-2	1,119	4.0
Wolverhampton	333	386	298	-2	1,015	3.9	313	368	293	-2	973	3.7
Black Country	1,483	1,746	1,633	-8	4,854	4.1	1,442	1,668	1,664	-8	4,766	4.0
England	107,987	85,675	106,968	-4,944	295,686	5.4	102,047	80,782	107,178	-5,086	284,921	5.1

- Compared to 2016, the Black Country has reduced emissions by 1.8% (-88 Kt CO₂). The tonnes per capita figure has decreased by 2.4%, from 4.0 to 4.1. England's overall emissions have decreased by 3.6%, with tonnes per capita falling from 5.4 in 2016 to 5.1. in 2017.
- Within the Black Country, Wolverhampton was the local authority with the biggest reduction in emission tonnes per capita, decreasing by 4.9% from 2016 (3.9 in 2016 to 3.7 tonnes per capita in 2017). Sandwell had the smallest reduction at -0.6%.
- Out of the four categories, domestic emissions decreased the most between 2016 and 2017 in the Black Country – by 4.5%, with the biggest decrease in Walsall with -4.8%.

Figure 2: Annual change in carbon dioxide emissions 2016 – 2017, Black Country & England

	2016 - 2017 change - Industry and Commercial	2016 - 2017 change - Domestic	2016 - 2017 change - Transport	2016 - 2017 change - N. LULUCF Net	2016 - 2017 change - Grand	2016 - 2017 change - Per Capita	% 2016 - 2017 change - Industry and	% 2016 - 2017 change - Domestic	% 2016 - 2017 change - Transport	% 2016 - 2017 change - N. LULUCF Net	% 2016 - 2017 change - Grand Total	% 2016 - 2017 change - Per Capita
Dudley	-5	-21	-6	-0.2	-32	-0.1	-1.5%	-4.3%	-1.5%	6.7%	-2.6%	-3.2%
Sandwell	-5	-19	28	-0.1	4	-0.0	-1.0%	-4.2%	5.2%	8.6%	0.3%	-0.6%
Walsall	-11	-20	14	-0.2	-18	-0.1	-3.4%	-4.8%	3.5%	8.8%	-1.5%	-2.4%
Wolverhampton	-20	-18	-4	-0.1	-43	-0.2	-6.0%	-4.7%	-1.5%	5.9%	-4.2%	-4.9%
Black Country	-41	-78	31	-0.6	-88	-0.1	-2.7%	-4.5%	1.9%	7.4%	-1.8%	-2.4%
England	-5,940	-4,892	209	-143	-10,765	-0.2	-5.5%	-5.7%	0.2%	2.9%	-3.6%	-4.2%

Source: Department for Business, Energy & Industrial Strategy, Carbon Dioxide Emissions, 2019

<https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-to-2017>

¹ Please note, 2016 data has been revised with the new published 2017 data.