

Carbon Dioxide Emissions for 2019¹

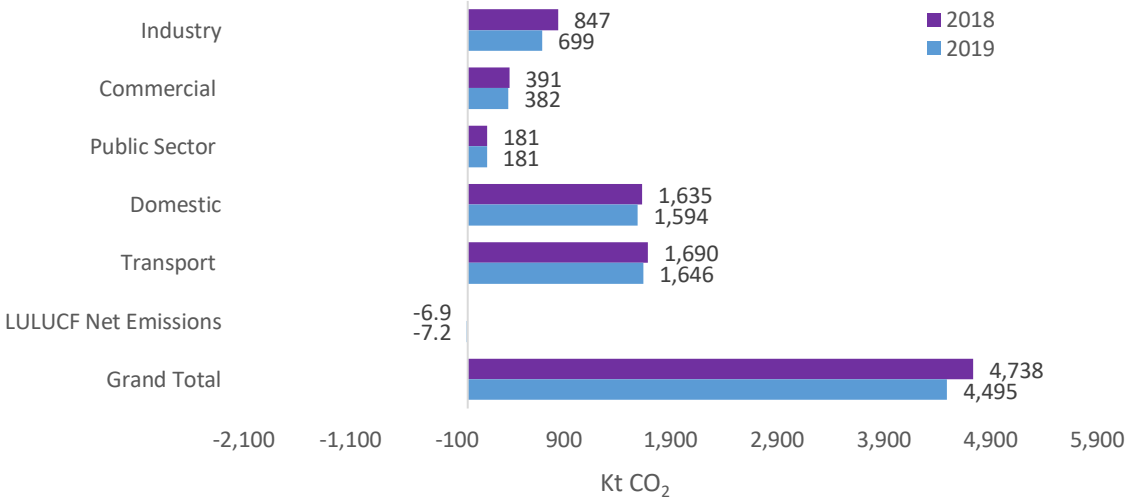
Summary

- In 2019, the Black Country area produced a total of 4,495 Kt CO₂ emissions. This equates to 3.7 tonnes per capita or 12.6 kt per km²; which is below the England average of 4.9 tonnes per capita but above the England average of 2.1 kt per km².
- Since 2018, carbon dioxide emissions decreased by 5.1% (-243) in the Black Country area compared to a decrease of 3.8% nationally.
- In 2019, transport accounted for the highest proportion of carbon dioxide emissions in the Black Country area at 36.6% (1,646 Kt CO₂) of total emissions – below the England proportion of 37.7%. This was followed by domestic emissions at 35.5% of total emissions which was above the England proportion of 28.1%.

Full Briefing

- In 2019, the Black Country area produced a total of 4,495 Kt CO₂ emissions, a decrease of 5.1% (-243 Kt CO₂) compared to a decrease of 3.8% nationally since 2018. Carbon dioxide emissions for the Black Country area equated to 3.7 tonnes per capita, below the England average of 4.9 in 2019. Emissions were 12.6 kt per km² for the Black Country area compared to 2.1 kt per km² for England in 2019.
- Emissions are broken into six main categories, as seen in the following chart. In 2019, transport accounted for the highest proportion of carbon dioxide emissions in the Black Country area at 36.6% (1,646 Kt CO₂) of total emissions – below the England proportion of 37.7%. This was followed by domestic emissions at 35.5% (England 28.1% of total), industry at 15.6% (England 21.1%), commercial at 8.5% (England 9.6%) and the public sector with 4.0% of the total emissions (England 3.7%). In contrast, the Land Use, Land Use Change and Forestry (LULUCF) net emissions reduced the total by -0.2% (England -0.3% of total).

Black Country Carbon Dioxide Emissions Summary:



¹ Source: Department for Business, Energy & Industrial Strategy, UK local authority carbon dioxide emissions estimates 2019, released June 2021



- In 2019, Dudley produced a total of 1,127 Kt CO₂ emissions, a decrease of 4.6% (-55 Kt CO₂) since 2018. Carbon dioxide emissions Dudley equated to 3.5 tonnes per capita or 11.5 kt per km² in 2019.
- In 2019, Sandwell produced a total of 1,394 Kt CO₂ emissions, a decrease of 4.8% (-71 Kt CO₂) since 2018. Carbon dioxide emissions for Sandwell equated to 4.2 tonnes per capita or 16.3 kt per km² in 2019.
- In 2019, Walsall produced a total of 1,048 Kt CO₂ emissions, a decrease of 6.6% (-74 Kt CO₂) since 2018. Carbon dioxide emissions for Walsall equated to 3.7 tonnes per capita or 10.1 kt per km² in 2019.
- In 2019, Wolverhampton produced a total of 925 Kt CO₂ emissions, a decrease of 4.5% (-43 Kt CO₂) since 2018. Carbon dioxide emissions for Wolverhampton equated to 3.5 tonnes per capita or 13.3 kt per km² in 2019.

Total Emissions by category (measured in Kt CO₂), per capita and per kilometre for the Black Country, West Midlands region and England in 2019:

	Industry	Commercial	Public Sector	Domestic	Transport	LULUCF Net Emissions	Grand Total	Per Capita Emissions (t)	Emissions per km ² (kt)
Dudley	157	83	41	450	400	-4	1,127	3.5	11.5
Sandwell	247	134	49	413	554	-3	1,394	4.2	16.3
Walsall	160	74	40	377	396	2	1,048	3.7	10.1
Wolverhampton	135	92	50	354	297	-3	925	3.5	13.3
Black Country LEP	699	382	181	1,594	1,646	-7	4,495	3.7	12.6
West Midlands Region	6,280	2,525	1,095	8,218	12,106	-246	29,979	5.1	2.3
England	58,186	26,523	10,271	77,628	104,187	-705	276,090	4.9	2.1