

Last Updated: July 2020

Next update: Winter 2020

This data is published by the Sustainable Business and Communities Team of Kent County Council

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Key facts

The use of energy in the domestic sector is most vulnerable to outdoor temperature changes, with over 73% of consumption being used for space and water heating. The resulting CO₂ emissions that are released are responsible for 27% of Kent and Medway's total emission output.

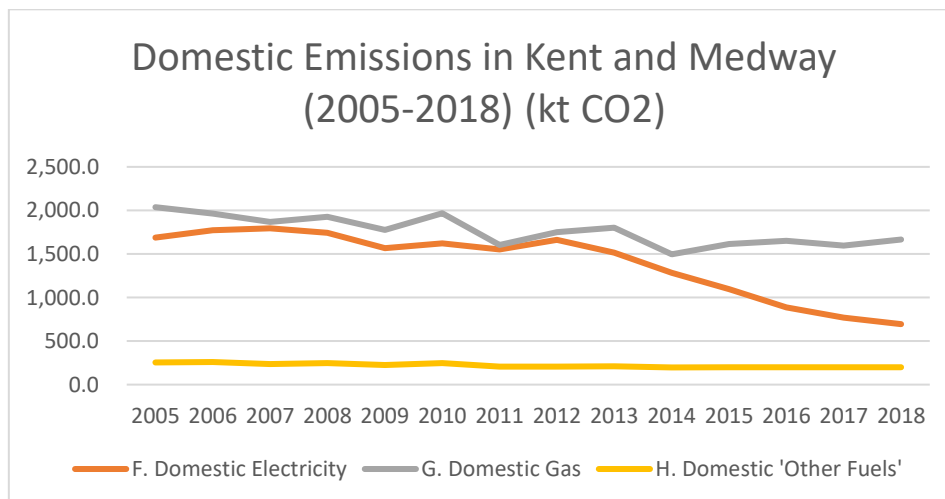
This has seen a -36% decrease in total consumption between 2005 and 2018 (3,982kt to 2,560kt), and remained level from 2017 to 2018. Within that total, 65% of demand is from gas emissions, 27% from electricity and 8% 'other fuels' (including coal, and the burning of oil and gas oil).

Summary

Domestic Emissions

There has been a significant shift in the consumption of domestic gas and electricity since 2005. Electricity consumption has fallen by -59%, while gas consumption has fallen by -18%.

More recently, however, the decrease is driven solely by electricity. From 2017 to 2018, domestic electricity consumption has decreased by -10% where domestic gas usage has risen by 4% and 'other fuels' has risen 1%.

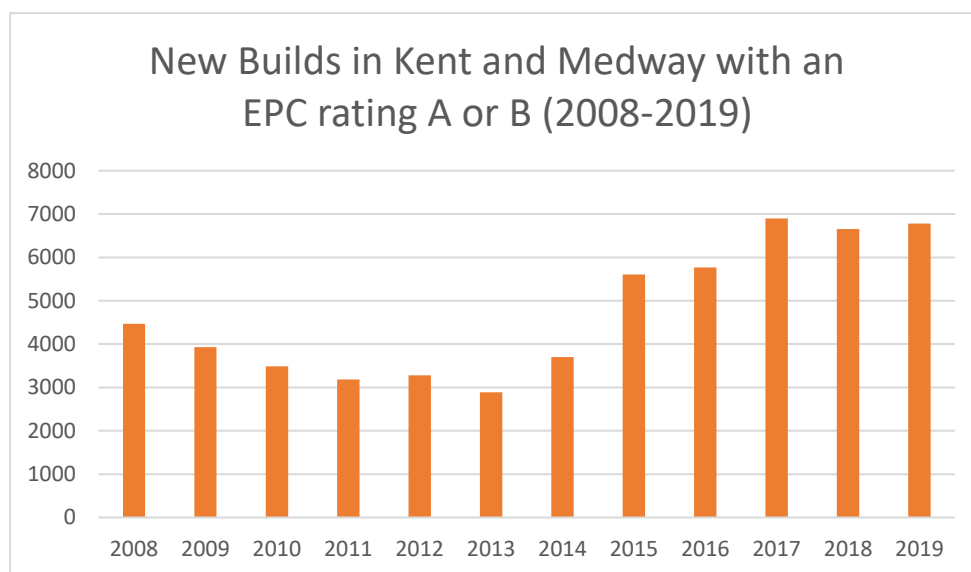


EPCs

Energy Performance Certificates (EPCs) provide valuable information on a property's energy efficiency performance on a scale of A-G (Band A properties should be most efficient with the lowest fuel bill).

In 2019, 83% of Kent & Medway's new domestic builds were A or B rated – however the highest recorded year was 2017 with 87%.

Looking at existing domestic buildings, in 2019, 16% of all EPC rated homes in Kent have a B+ energy efficiency rating. The largest proportion of homes had a D rating, however less than 1% of homes are rated G.



Further reading

For further information, we recommend the Renewable Energy Action Plan:

- <https://www.kent.gov.uk/about-the-council/information-and-data/Facts-and-figures-about-Kent/environmental-policies/renewable-energy>

Data sources

- 2005 to 2017 UK Local and Regional CO2 Emissions – Data Tables (BEIS) <https://www.gov.uk/government/statistics/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics-2005-to-2018>
- Live Tables on Energy Performance of Building Certificates (LA1, LA2 and NB1), Ministry of Housing and Local Government <https://www.gov.uk/government/statistical-data-sets/live-tables-on-energy-performance-of-buildings-certificates#history>

