

2 Climate Change

Please see Section 15 Energy Resources for information relating to gas and electricity consumption and electricity generated from renewable energy.

Indicator	Latest Data	Previous Data	Trend
Per capita CO ₂ emissions in Gosport Borough	2.7 t 2017	4.8 t (2005)	↓
Total number of publicly available electric vehicle charging devices and rapid charging devices	11 (2020)	9 (2019)	↑

Carbon Dioxide emissions

Carbon Dioxide (CO₂) is the main greenhouse gas, accounting for 81 per cent of the UK greenhouse gas emissions in 2017. The following graphs provide a breakdown of Gosport’s CO₂ emission estimates between 2005 and 2017 from each source. The data shows emissions allocated on an ‘end-user’ basis where emissions are distributed according to the point of energy consumption (or point of emission if not energy related). Except for the energy industry, emissions from the production of goods are assigned to where the production takes place. Therefore, emissions from the production of goods which are exported will be included, and emissions from the production of goods which are imported are excluded.

Total CO₂ emissions in Gosport fell by approximately 40% between 2005 and 2017. Per capita emissions have fallen 44% over the same period. Over the same time period, many UK local authorities have seen similar reductions in emissions, mainly due to reduced coal and gas being used for electricity generation.

Industry and Commercial

A. Industry and Commercial Electricity

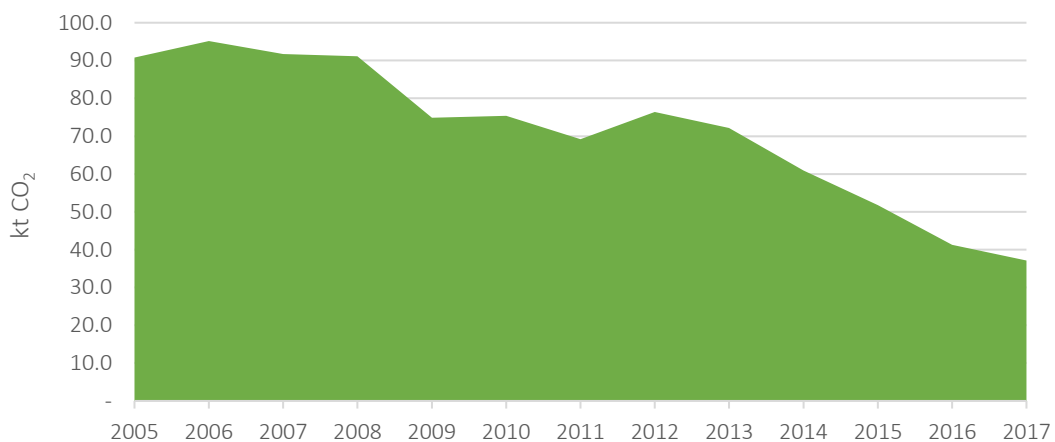


Figure 2.1: Industry and Commercial Electricity carbon dioxide emissions (2005 to 2017) (BEIS 2019)

B. Industry and Commercial Gas

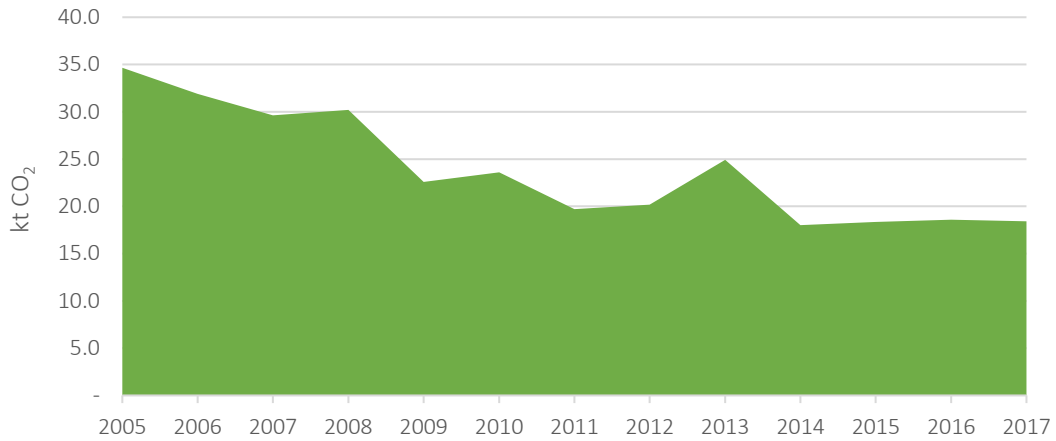


Figure 2.2: Industry and Commercial Gas carbon dioxide emissions (2005 to 2017) (BEIS 2019)

C. Large Industrial Installations

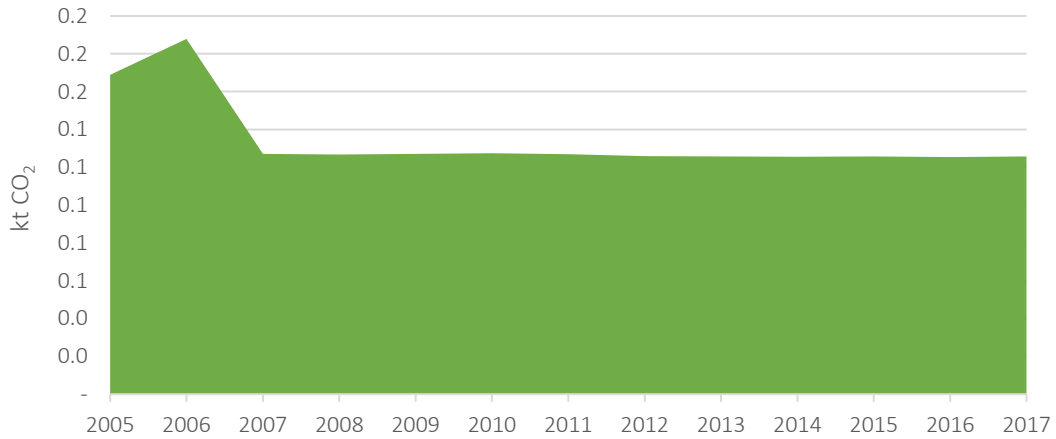


Figure 2.3: Large Industrial Installations carbon dioxide emissions (2005 to 2017) (BEIS 2019)

D. Industrial and Commercial Other Fuels

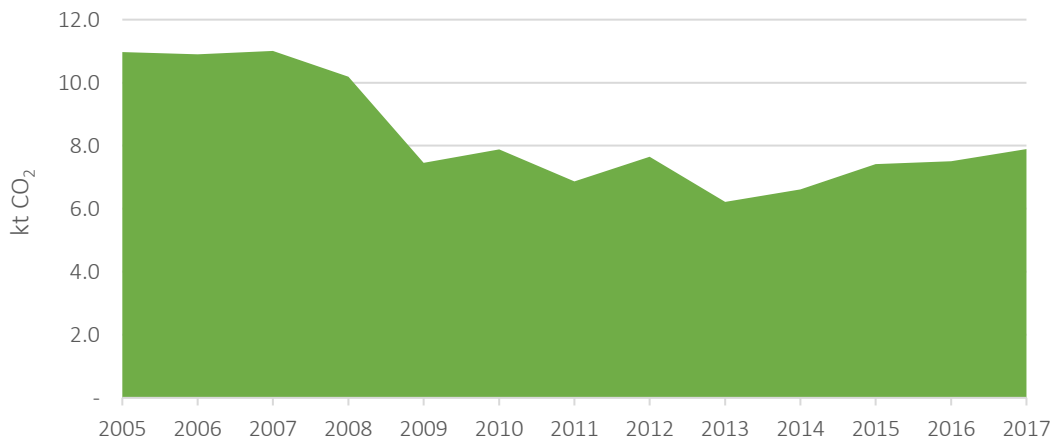


Figure 2.4: Industrial and Commercial Other Fuels carbon dioxide emissions (2005 to 2017) (BEIS 2019)

E. Agriculture

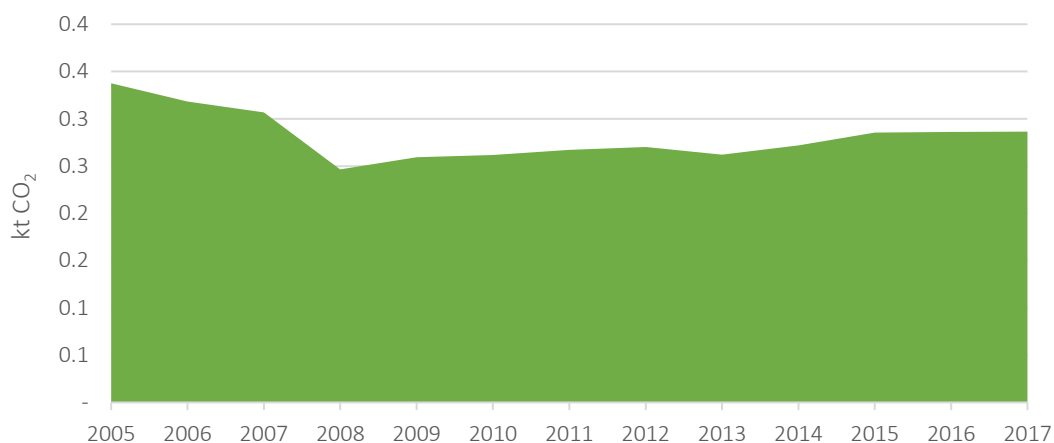


Figure 2.5: Agriculture carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Industry and Commercial Total

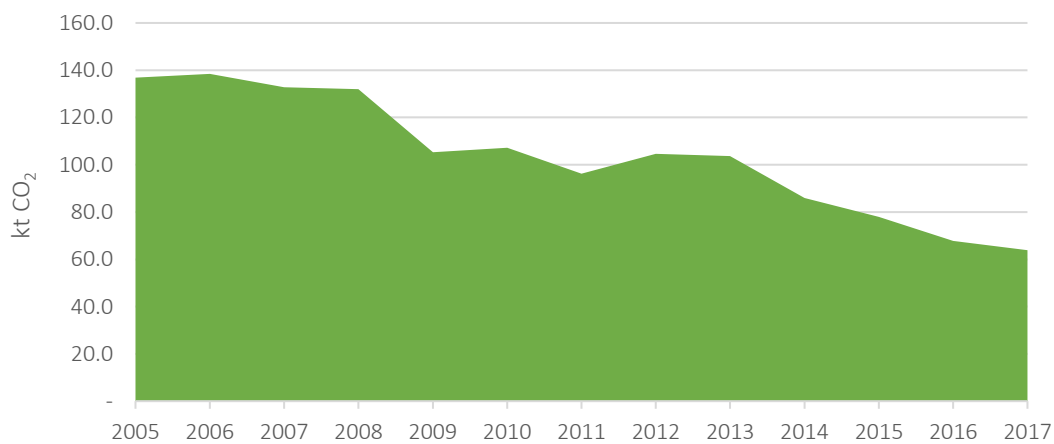


Figure 2.6: Industry and Commercial Total carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Domestic

F. Domestic Electricity

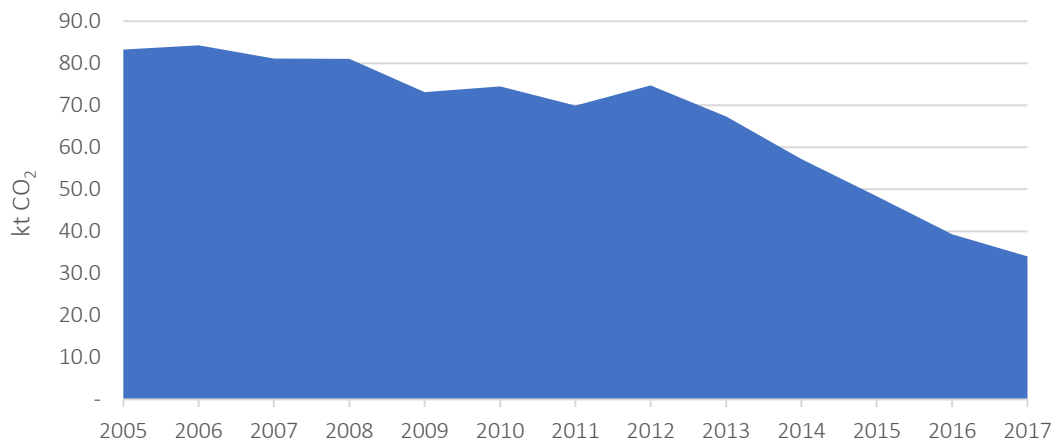


Figure 2.7: Domestic Electricity carbon dioxide emissions (2005 to 2017) (BEIS 2019)

G. Domestic Gas

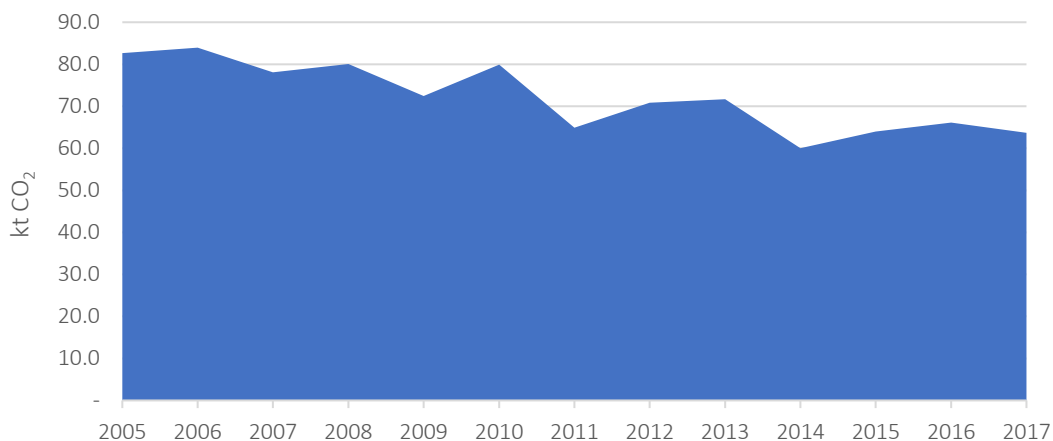


Figure 2.8: Domestic Gas carbon dioxide emissions (2005 to 2017) (BEIS 2019)

H. Domestic 'Other Fuels'

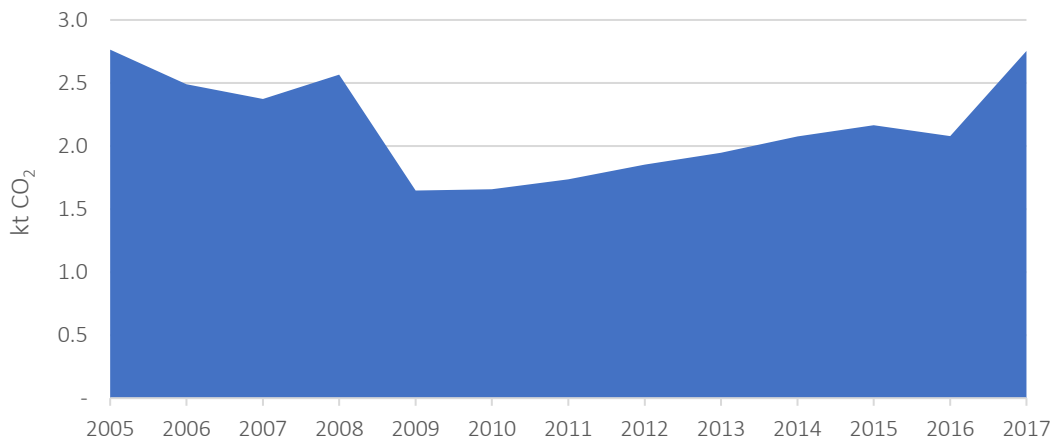


Figure 2.9: Domestic 'Other Fuels' carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Domestic Total

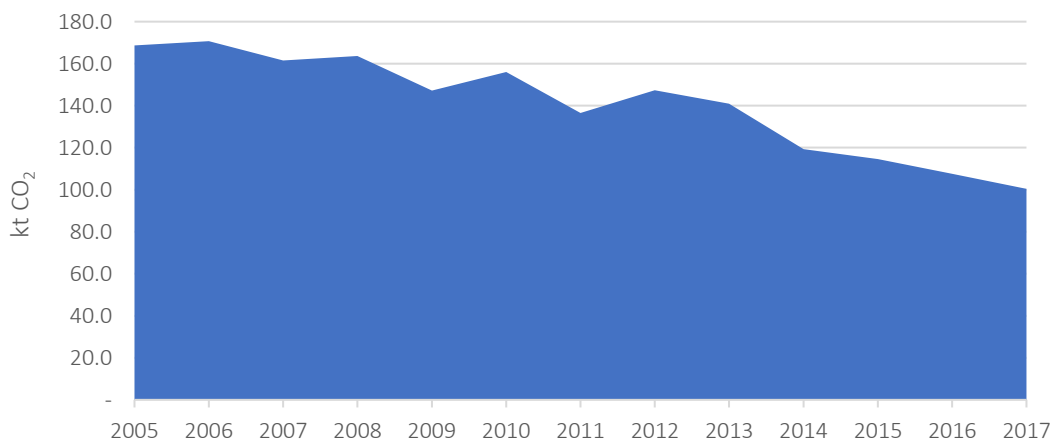


Figure 2.10: Domestic Total carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Transport

There is no emissions data to report for category 'J. Road Transport (Motorways)' and 'L. Diesel Railways'.

I. Road Transport (A roads)

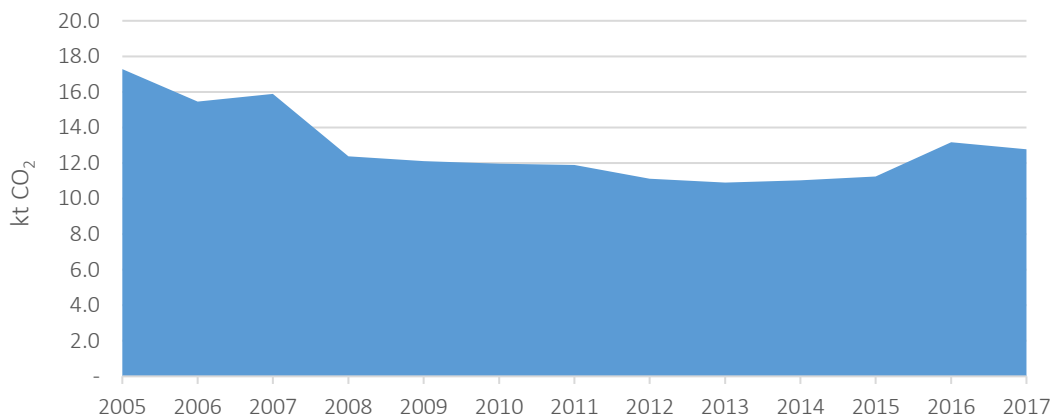


Figure 2.11: Road Transport (A roads) carbon dioxide emissions (2005 to 2017) (BEIS 2019)

K. Road Transport (Minor roads)

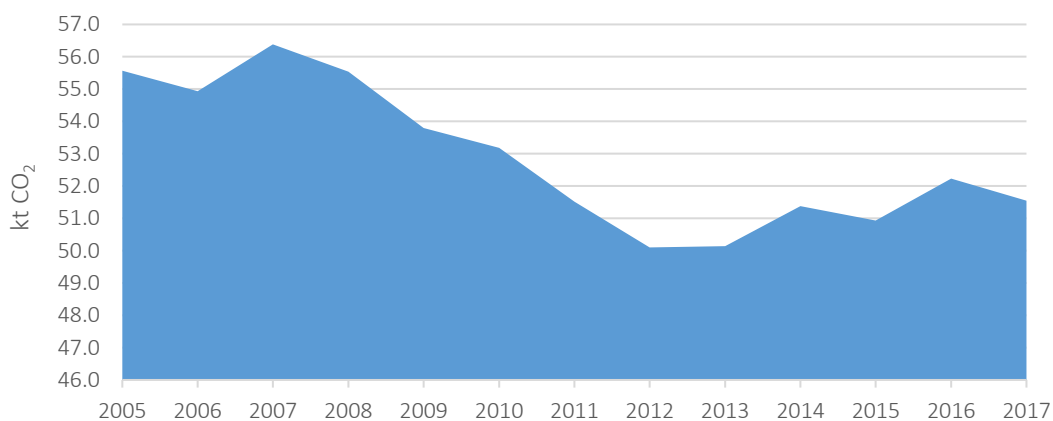


Figure 2.12: Road Transport (Minor Roads) carbon dioxide emissions (2005 to 2017) (BEIS 2019)

M. Transport (other)

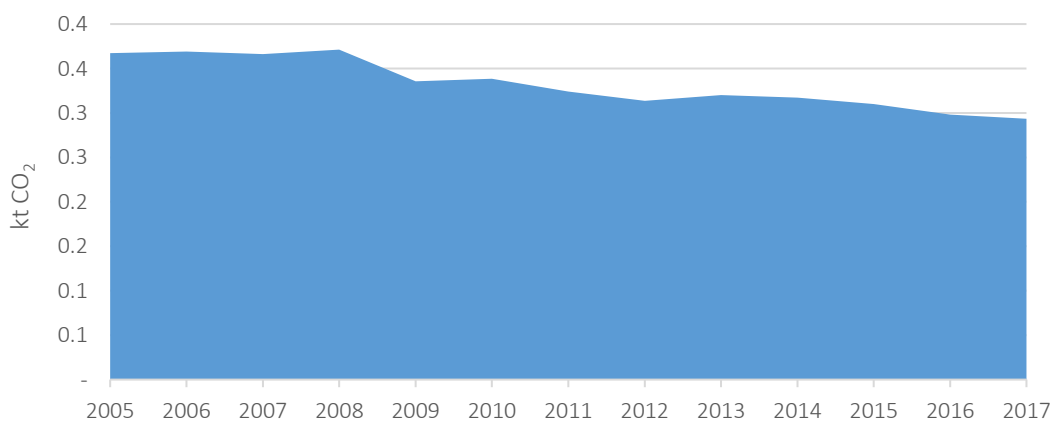


Figure 2.13: Transport (other) carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Transport Total

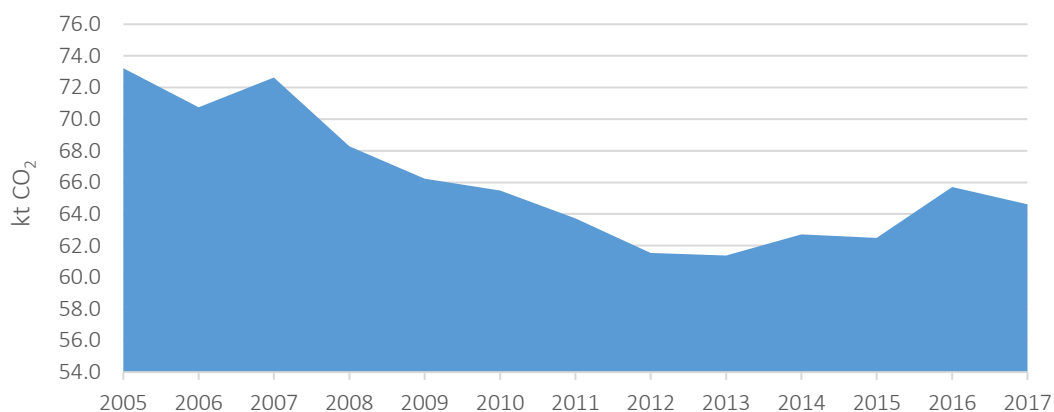


Figure 2.14: Transport Total carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Land Use, Land-Use Change and Forestry

N. LULUCF Net Emissions

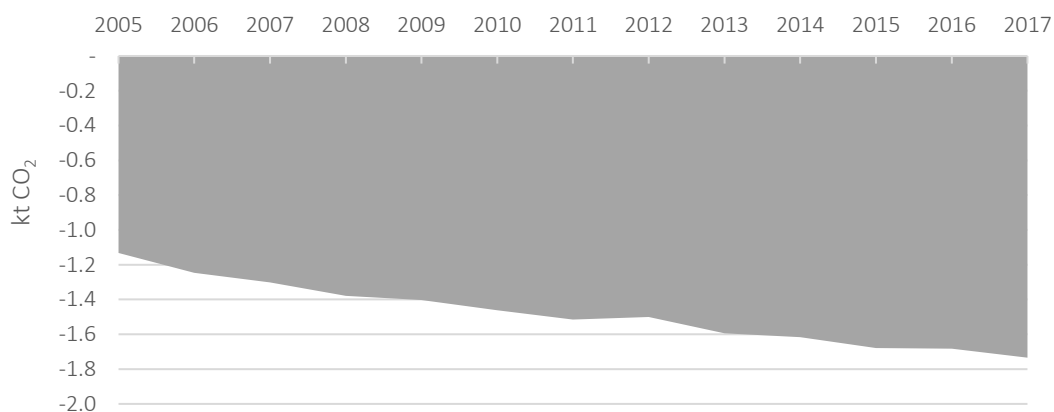


Figure 2.15: Land Use, Land-Use Change and Forestry) net change in carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Grand Total

Grand total of all carbon dioxide emissions

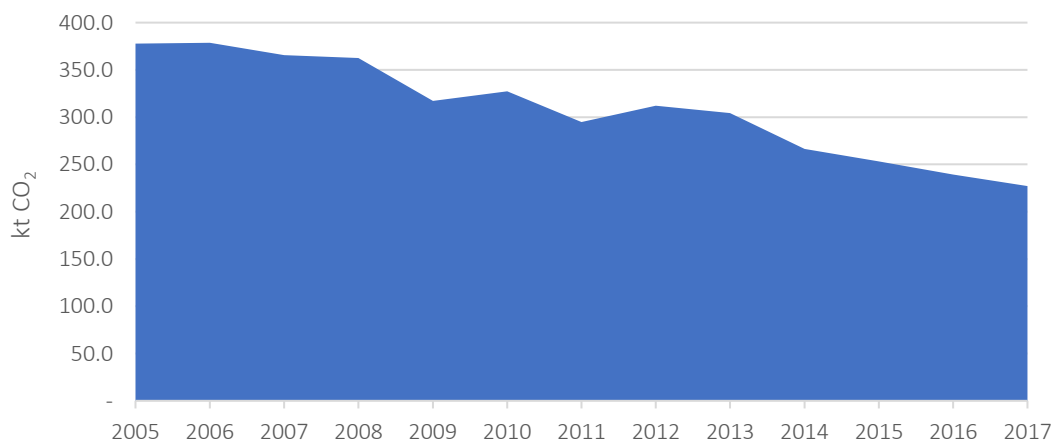


Figure 2.16: Grand total of all carbon dioxide emissions (2005 to 2017) (BEIS 2019)

Per Capita Emissions (t)

Per capita emissions for Gosport Borough have fallen from 4.8 tonnes in 2005 to 2.7 tonnes in 2017. This is a reduction of 43%.

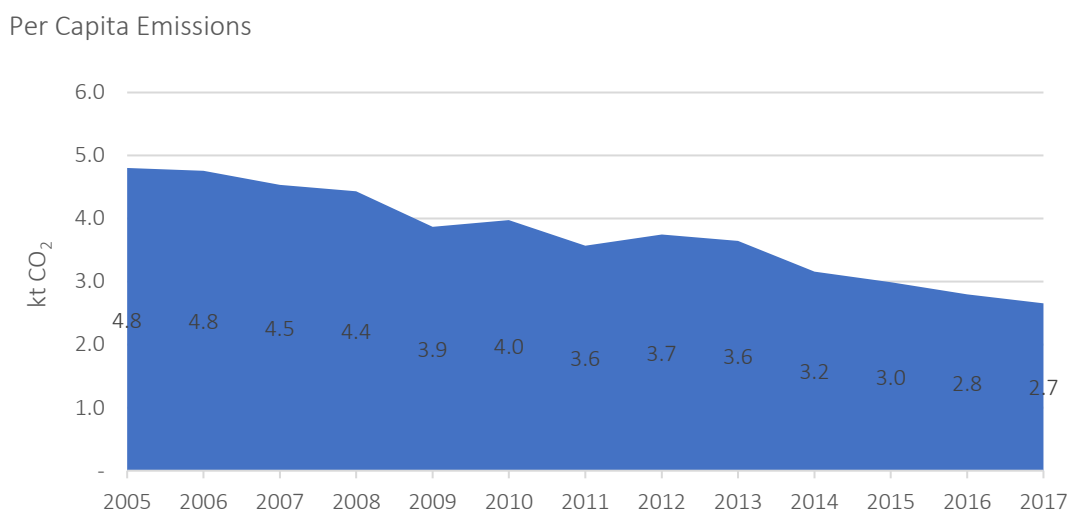


Figure 2.17: Per Capita Emissions (2005 to 2017) (BEIS 2019)

Electric vehicle charging devices (publicly available)

From April 2020, the Department for Transport publishes experimental statistics¹ on the number of publicly available electric vehicle charging devices and rapid charging devices in the UK broken down by local authority. The data is sourced from the electric vehicle charging point platform Zap-Map. The table below shows the information for Gosport Borough in October 2019 and July 2020.

October 2019				
Local Authority	Total public charging devices	Total public rapid charging devices	Charging devices per 100,000 population	Rapid Devices per 100,000 population
Gosport	6	3	7	3.5

Source: Department for Transport 2019

July 2020				
Local Authority	Total public charging devices	Total public rapid charging devices	Charging devices per 100,000 population	Rapid Devices per 100,000 population
Gosport	8	3	9.4	3.5

Source: Department for Transport 2020

¹ <https://www.gov.uk/government/statistics/electric-vehicle-charging-device-statistics-july-2020>