

# U.K. greenhouse emissions from residential buildings

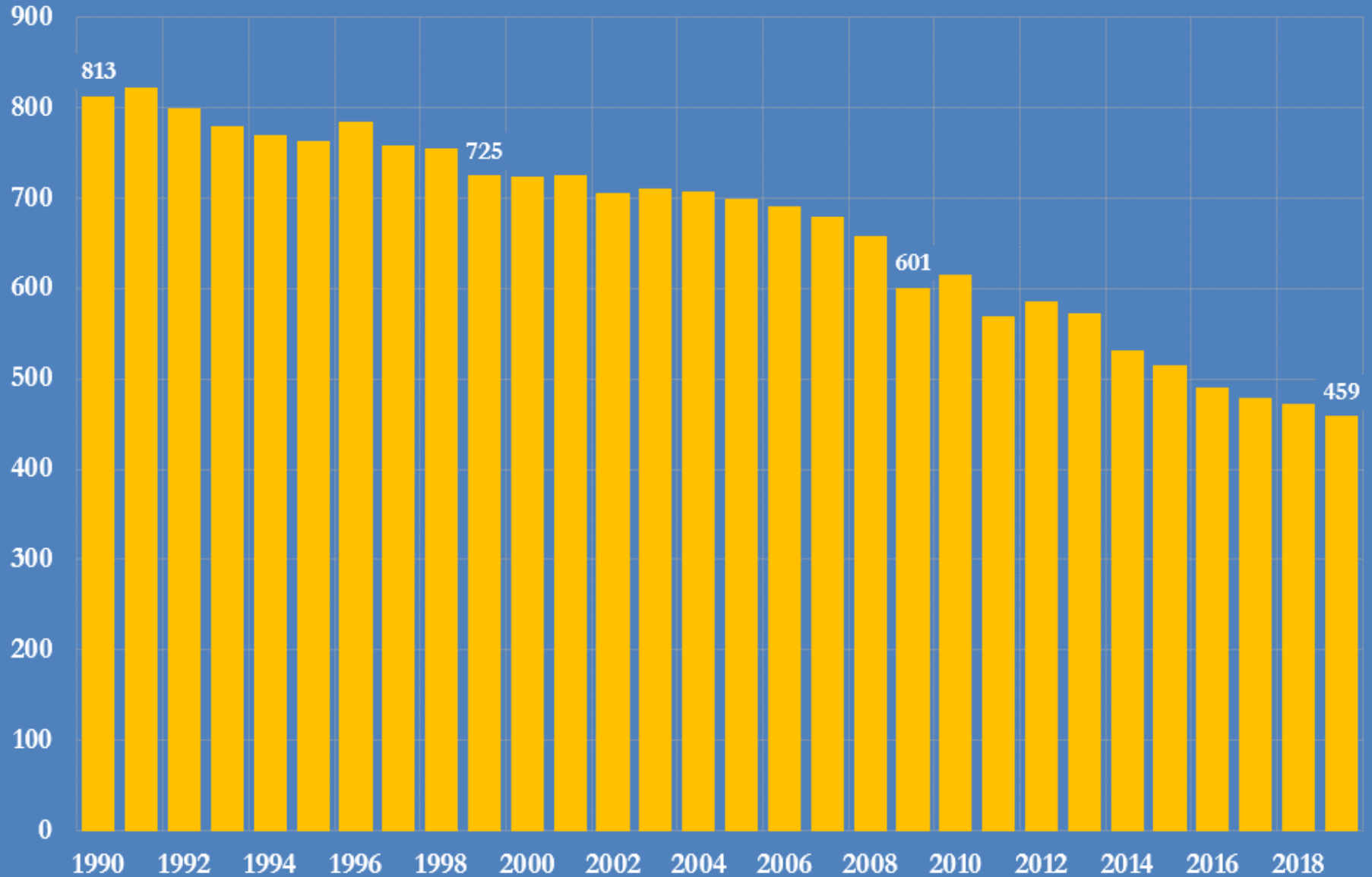
## Selected indicators

JOHN KEMP  
REUTERS

2 Dec 2021

# UK greenhouse gas emissions, 1990-2019

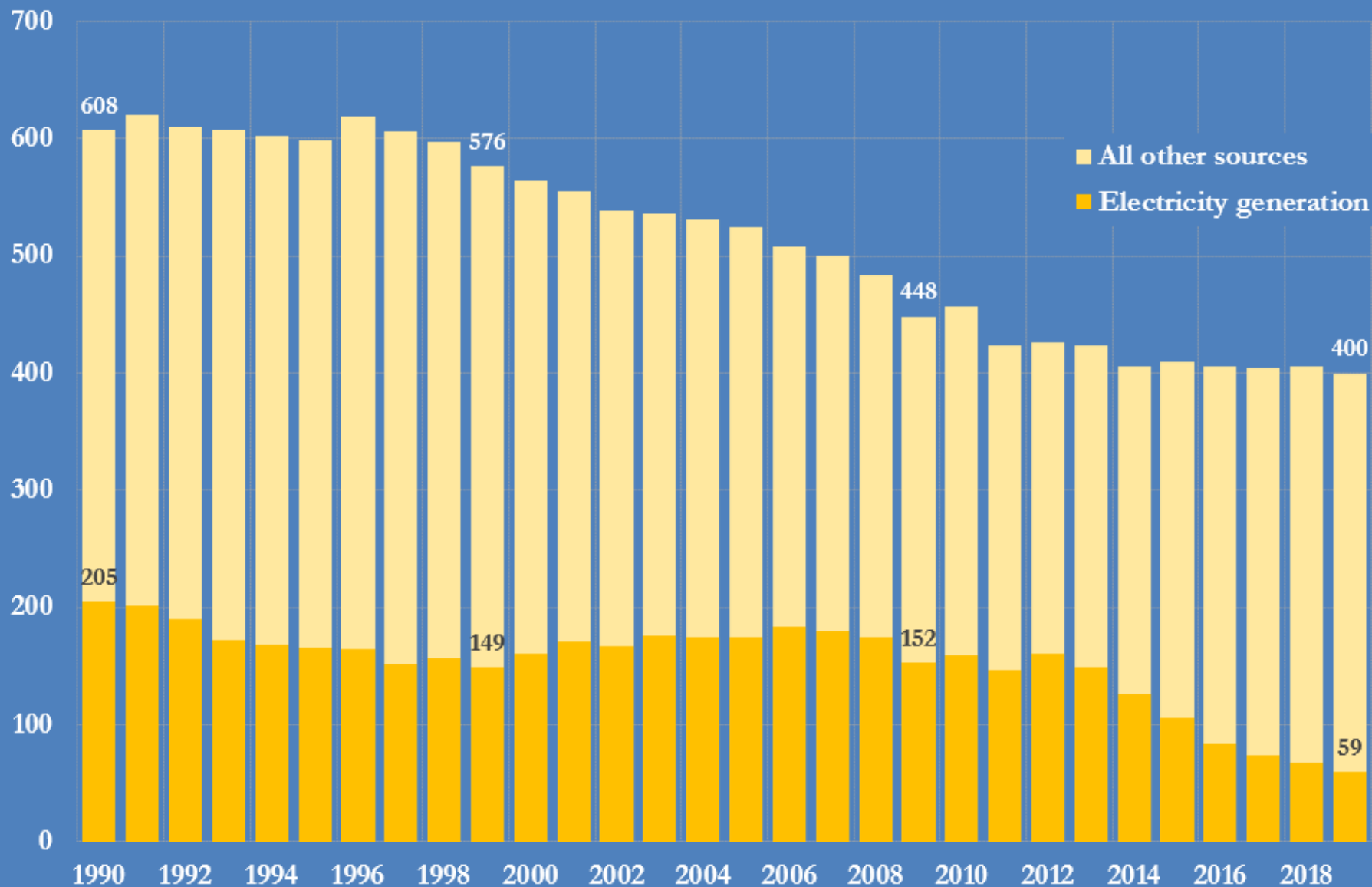
annual, million tonnes of CO<sub>2</sub> equivalent



Source: National Atmospheric Emissions Inventory, UK Department for Business Energy and Industrial Strategy  
@JKempEnergy

# UK greenhouse gas emissions, 1990-2019

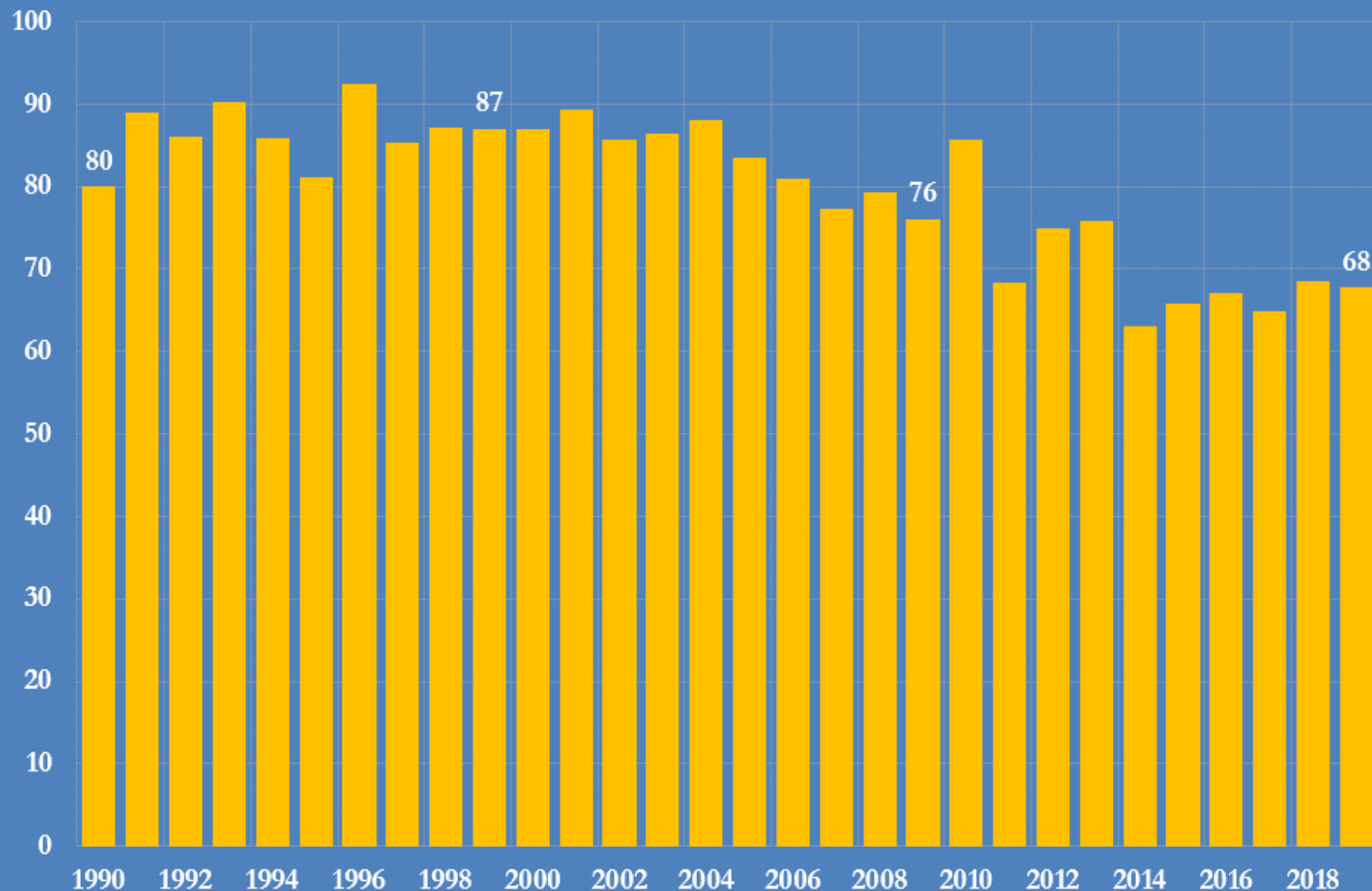
annual, by source, million tonnes of CO<sub>2</sub> equivalent



Source: National Atmospheric Emissions Inventory, UK Department for Business Energy and Industrial Strategy  
@JKempEnergy

# UK greenhouse emissions from residential combustion

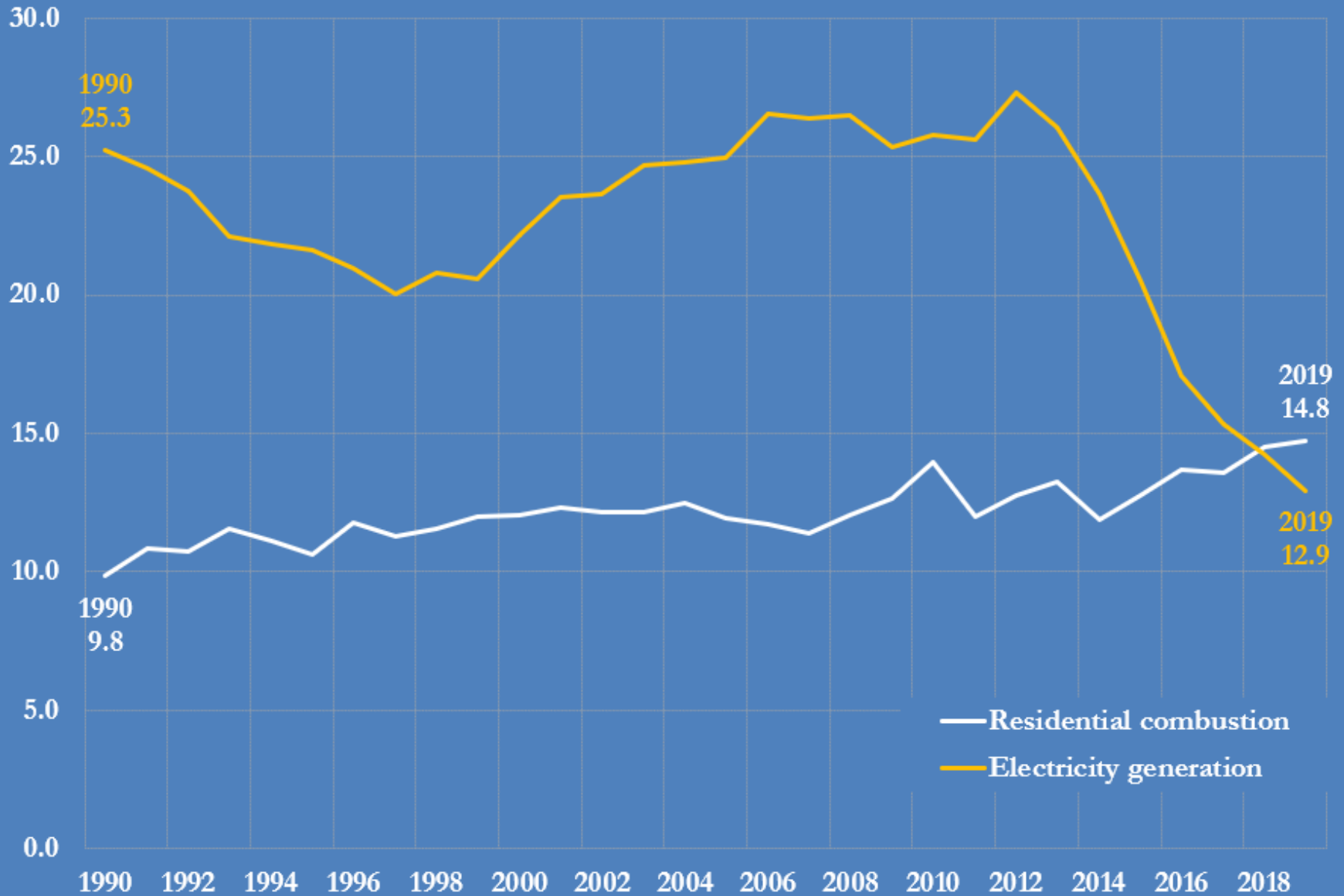
annual, direct emissions, million tonnes of CO<sub>2</sub> equivalent



Source: National Atmospheric Emissions Inventory, UK Department for Business Energy and Industrial Strategy  
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# UK greenhouse gas emissions, 1990-2019

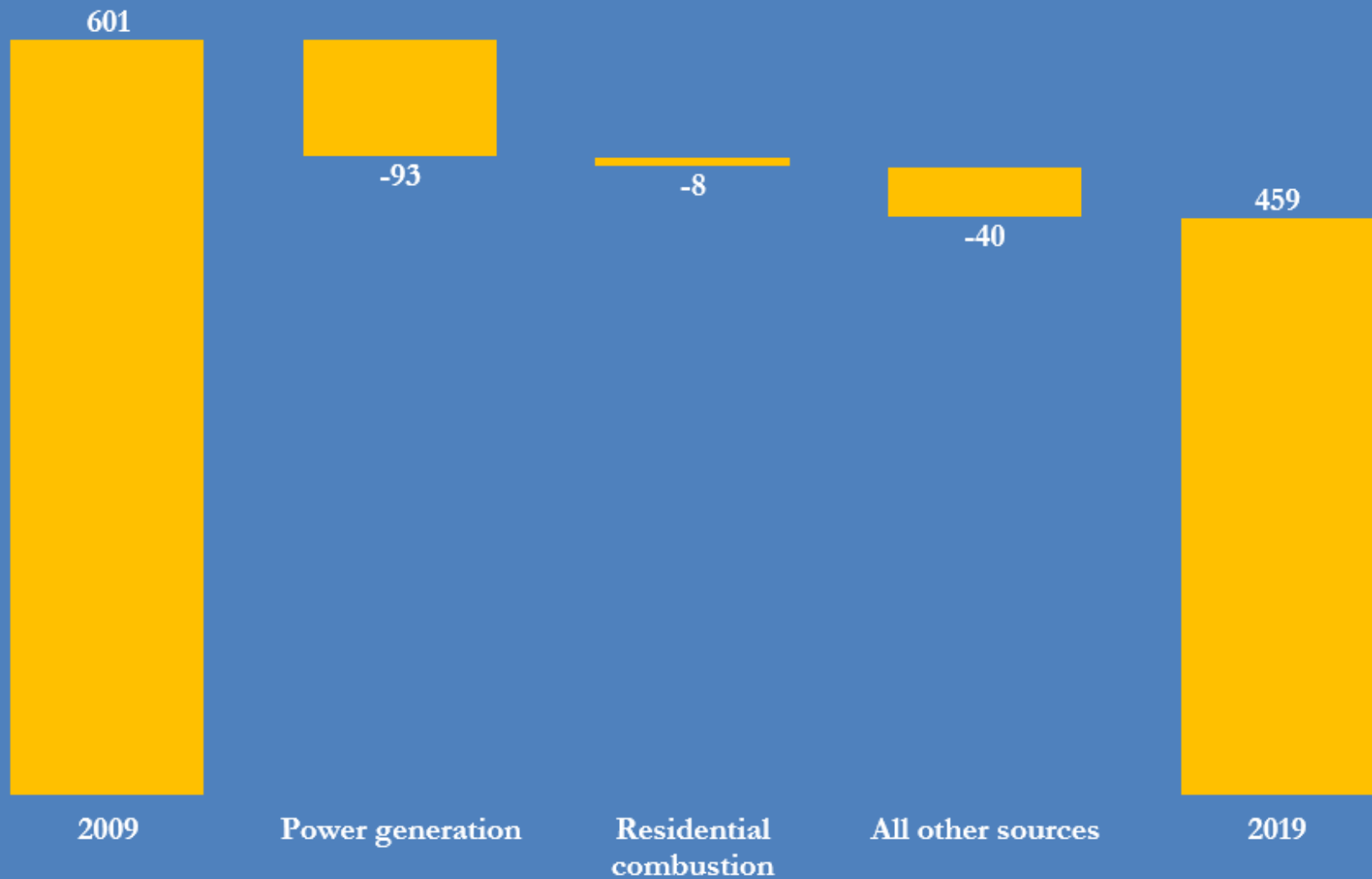
## annual, by source, percent of total emissions



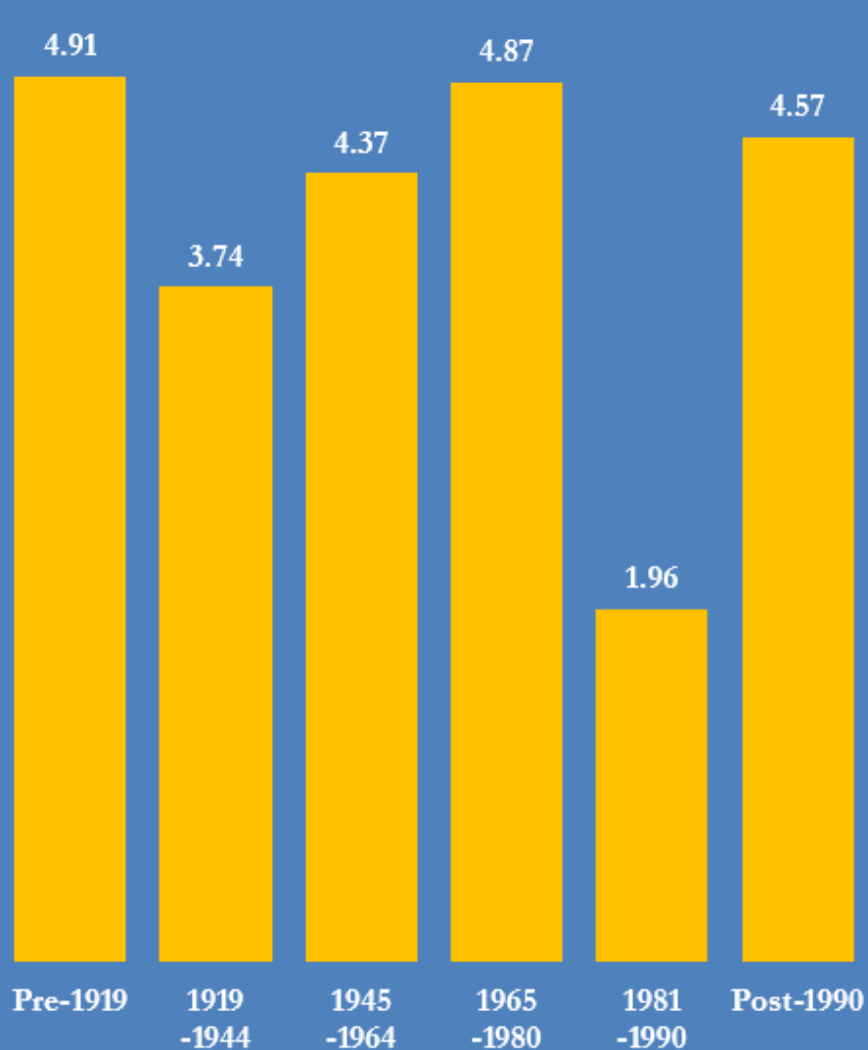
Source: National Atmospheric Emissions Inventory, UK Department for Business Energy and Industrial Strategy  
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# U.K. greenhouse gas emissions

annual, million tonnes of CO<sub>2</sub> equivalent per year, change from 2009 to 2019

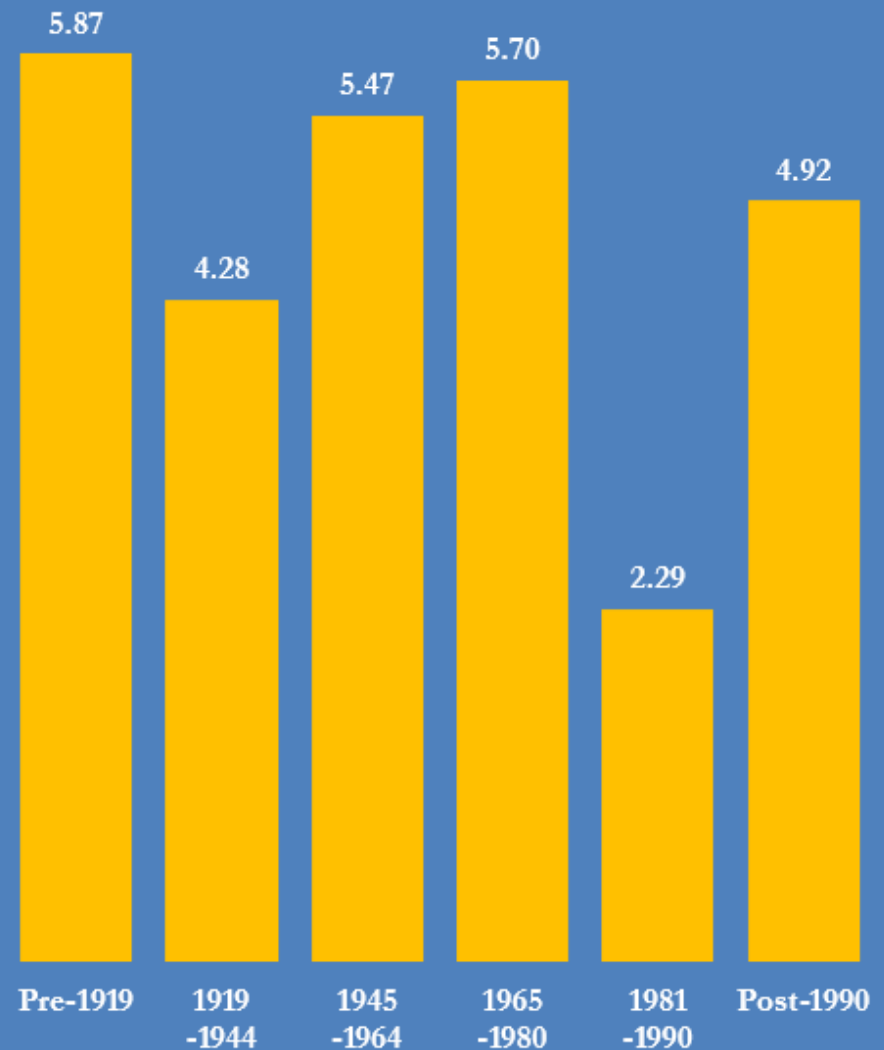


**Dwellings in England, 2019**  
by date of construction, millions



Source: English Housing Survey, MHCLG  
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**Dwellings in U.K., 2017**  
by date of construction, millions



Source: Housing stock of the United Kingdom, BRE  
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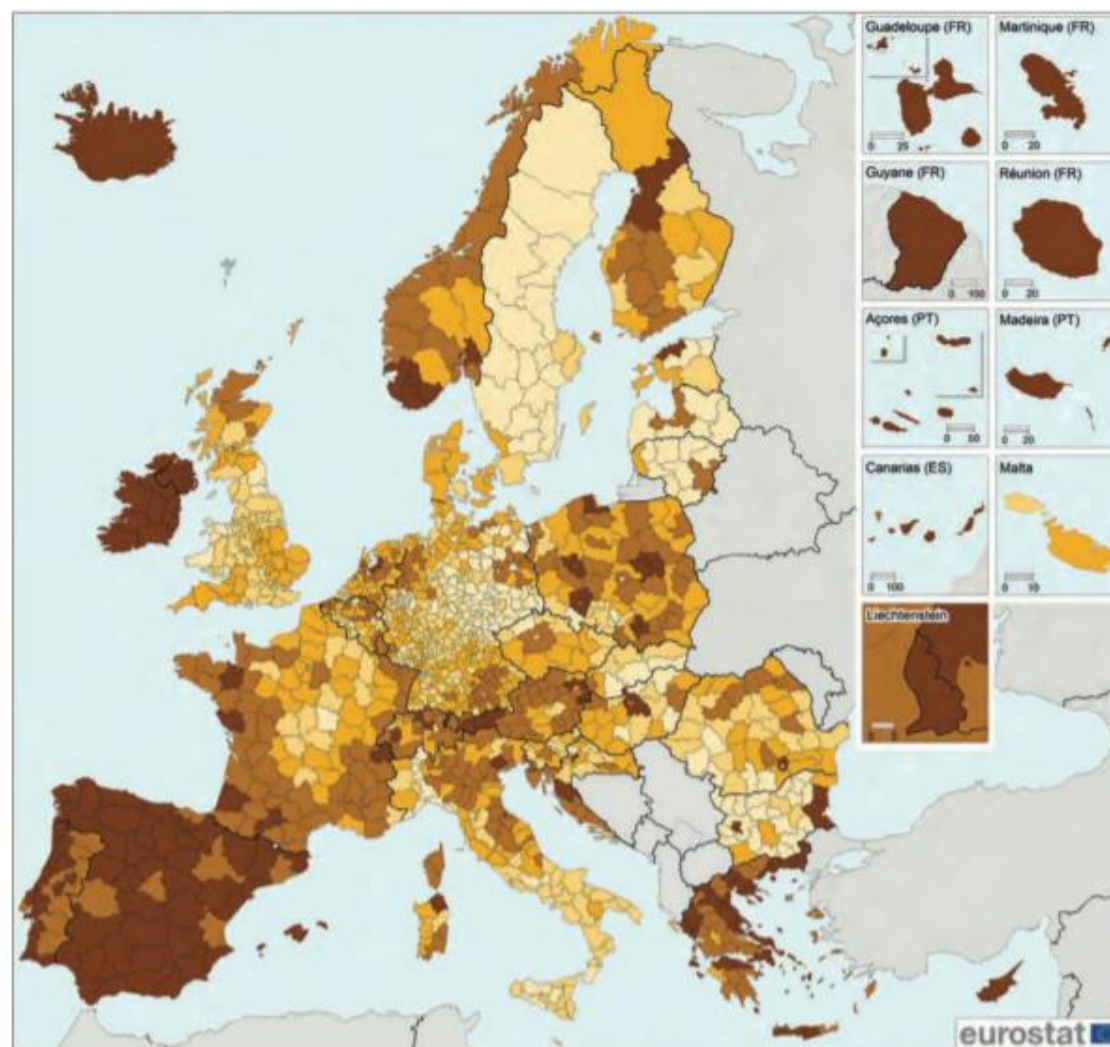
Table 2.3: The UK housing stock, by type of heating, 2017 (thousands of dwellings / %)

	England	Scotland	Wales	Northern Ireland	UK
Gas central heating	20,375	1,966	1,100	186	23,627
Oil central heating	929	143	135	526	1,733
Other central heating	716	105	35	61	917
Electric (storage heaters)	1,223	183	48	N/A	N/A
Fixed heating	707	67	23	N/A	N/A
Gas central heating	85.1%	79.8%	82.0%	23.8%	82.8%
Oil central heating	3.9%	5.8%	10.1%	67.5%	6.1%
Other central heating	3.0%	4.3%	2.6%	7.8%	3.2%
Electric (storage heaters)	5.1%	7.4%	3.6%	N/A	N/A
Fixed heating	3.0%	2.7%	1.7%	N/A	N/A

**Note:** Scotland usually categorise electric storage heaters as central heating but they are shown separately above to enable UK comparison

Figure 4.1 Proportion of dwellings built since 2000, by EU nation

Share of dwellings built after 2000, by NUTS level 3 region, 2011 (%)  
(% of all dwellings)



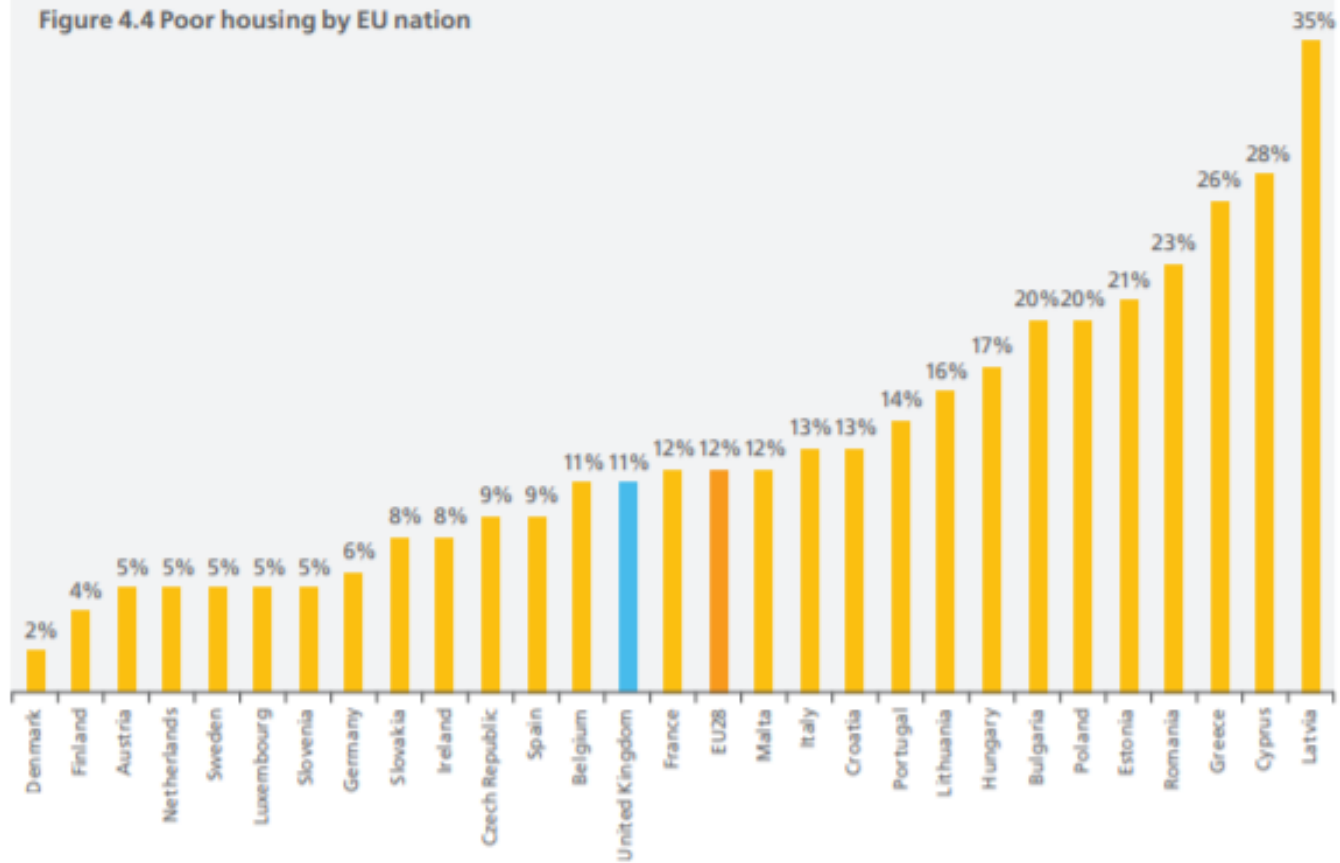
(% of all dwellings)  
EU-28 = 9.8

< 5.0
5.0 - < 7.5
7.5 - < 10
10.0 - < 15.0
≥ 15.0
Data not available

Administrative boundaries: © EuroGeographics © UN-FAO © Turkstat  
Cartography: Eurostat - GISCO, 09/2015

0 200 400 600 800 km

Figure 4.4 Poor housing by EU nation



Source: The cost of poor housing in Europe<sup>[10]</sup>

Source: “Housing stock of the United Kingdom” Building Research Establishment Trust, 2020