

Scottish Greenhouse Gas Statistics 2018

Supplementary analysis: UK & EU Comparisons

Table 1: Greenhouse Gas Emissions in the UK, by Devolved Administration, 2018^{1,2}

	Emissions (MT CO ₂ e) 2018	% Change 1990-2018	% Change 2017-2018	Emissions Per Capita (Tonnes CO ₂ e) ³
Scotland	41.6	-45.4%	1.5%	7.7
England	380.5	-41.0%	-1.4%	6.8
Wales	38.9	-31.1%	-8.3%	12.4
Northern Ireland	19.8	-18.9%	-2.4%	10.5
UK ⁴	496.0	-39.3%	-1.8%	7.5

Source: Greenhouse Gas Inventories for England, Scotland, Wales and Northern Ireland: 1990-2018

Notes:

1. Includes estimates of emissions from international aviation and shipping and the land use, land use change and forestry sector. They do not include any adjustments for the effect of the EU Emissions Trading System.

2. Emissions resulting from offshore operations are not attributed to England, Scotland, Wales or Northern Ireland.

3. Population data for Scotland, England, Wales, Northern Ireland and the UK is sourced from the Office of National Statistics:

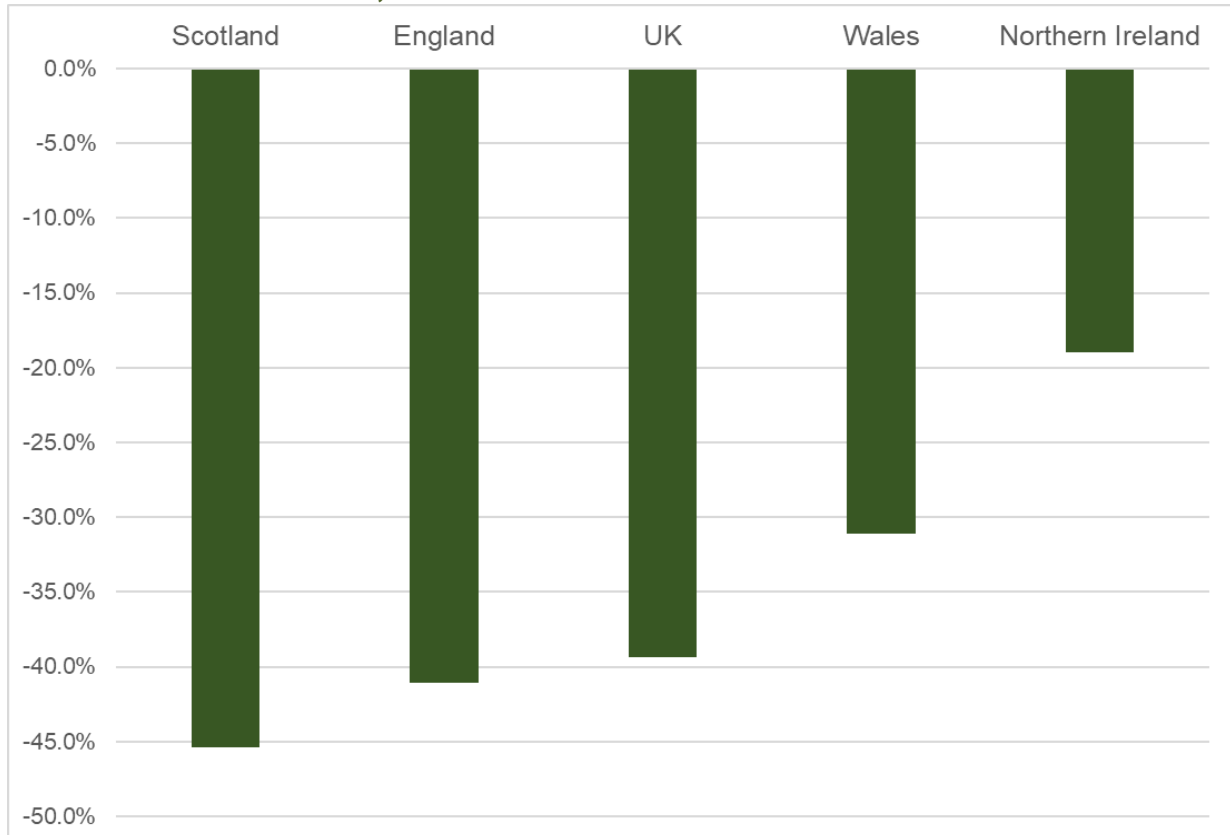
<https://www.ons.gov.uk/file?uri=%2fpeoplepopulationandcommunity%2fpopulationandmigration%2fpopulationestimates%2fdatasets%2fpopulationestimatesforukenglandandwalesscotlandandnorthernireland%2fmid20182019labourandpopulation%2fukmidyearstimates20182019adcodes.xls>

4. This UK figure is comparable to the devolved administration estimates. It excludes crown dependencies, Overseas Territories and offshore emissions. The UK figure includes emissions that could not be allocated to a particular devolved administration, and is therefore higher than the sum of the devolved administration

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Chart 1: Percentage reductions in Greenhouse Gas Emissions in the UK, by Devolved Administration, 1990 – 2018



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Table 2 - Greenhouse Gas Emissions comparisons with the EU Member States, 2018^{1,2}

Geographical Entity	2018 Emissions (MT CO ₂ e)	Change 1990-2018 (%)	Change 2017-2018 (%)	Emissions Per Capita (Tonnes CO ₂ e)
<i>EU-15 Member States and the EU-15 Average</i>				
Sweden	21.1	-47.8%	6.1%	2.08
Scotland	41.6	-45.4%	1.5%	7.65
<i>United Kingdom</i>	<i>499.4</i>	<i>-39.0%</i>	<i>-1.8%</i>	<i>7.54</i>
Germany	866.1	-30.1%	-4.2%	10.46
Denmark	59.6	-27.3%	4.1%	10.32
Italy	408.9	-21.6%	-4.5%	6.76
EU-15 (inc. UK)	3,404.7	-21.2%	-2.9%	8.34
France	443.4	-18.3%	-3.6%	6.63
Finland	49.6	-16.4%	19.7%	8.99
Greece	100.5	-10.4%	-2.5%	9.35
Netherlands	241.6	-9.9%	-2.7%	14.06
Luxembourg	12.2	-8.2%	5.4%	20.18
Belgium	153.1	-4.1%	4.6%	13.43
Portugal	68.0	8.3%	-21.8%	6.60
Ireland	69.0	12.2%	-1.2%	14.29
Austria	76.4	13.3%	-3.9%	8.66
Spain	335.7	24.3%	-1.3%	7.20
<i>The Remainder of the EU-28 Member States and the EU-28 Average</i>				
Romania	92.1	-59.9%	-4.3%	4.72
Lithuania	17.4	-59.6%	-1.9%	6.20
Estonia	19.1	-51.3%	-5.6%	14.51
Slovakia	37.9	-40.8%	2.2%	6.96
Bulgaria	50.4	-39.6%	-7.1%	7.15
Hungary	59.4	-35.3%	0.2%	6.08
Czechia	135.2	-30.3%	5.2%	12.74
Croatia	19.3	-26.0%	-8.0%	4.71
EU-27 + UK	4,268.3	-23.5%	-2.3%	8.33
Poland	380.3	-14.5%	-0.2%	10.01
Latvia	15.4	15.7%	1.0%	7.97
Slovenia	18.5	29.5%	4.2%	8.96
Cyprus	10.3	62.0%	-0.5%	11.95
Malta	9.9	168.7%	3.3%	20.74

Sources:

1) European Environment Agency (EEA) Data Viewer: 1990-2018 <http://www.eea.europa.eu/data-and-maps/data/data-viewers/greenhouse-gases-viewer>

2) Eurostat Population Data 2018 <http://ec.europa.eu/eurostat/web/population-demography-migration-projections/population-data/database>

Notes:

1. Emissions resulting from offshore operations are included in the UK figures in the EU table, which is why the figures differ slightly from those in Table 1.
2. The UK, EU-27 + UK, and EU-15 +UK emissions per capita figures have been calculated using population data from the Eurostat website.

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3. The EU-15 Member States are Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain and Sweden.

4. The estimates for Scotland do not include offshore emissions. The NAEI publication is unable to attribute these by devolved administration.

Chart 2 - Percentage change in Greenhouse Gas Emissions in Scotland and the EU-14+UK Member States, 1990 – 2018

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