

# Scottish Greenhouse Gas Statistics 2017

## Supplementary analysis: UK & EU Comparisons

**Table 1: Greenhouse Gas Emissions in the UK, by Devolved Administration, 2017<sup>1,2</sup>**

|                  | Emissions (MT CO <sub>2</sub> e) | % Change 1990-2017 | % Change 2016-2017 | Emissions Per Capita (Tonnes CO <sub>2</sub> e) <sup>3</sup> |
|------------------|----------------------------------|--------------------|--------------------|--|
| Scotland         | 40.5                             | -46.8%             | -3.3%              | 7.5  |
| England          | 384.4                            | -40.5%             | -1.2%              | 6.9  |
| Wales            | 42.2                             | -25.2%             | -13.2%             | 13.5   |
| Northern Ireland | 20.3                             | -16.9%             | -3.2%              | 10.9   |
| UK <sup>4</sup>  | 503.0                            | -38.5%             | -2.4%              | 7.6  |

**Source:** Greenhouse Gas Inventories for England, Scotland, Wales and Northern Ireland: 1990-2017,

**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

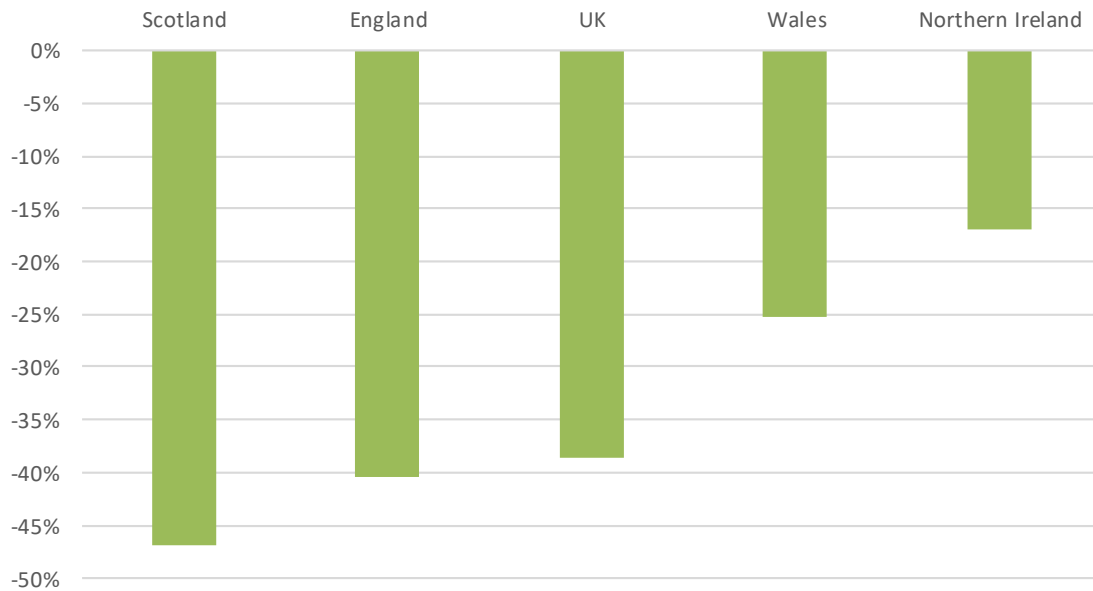
<https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/bulletins/annualmidyearpopulationestimates/mid2017>

4. This UK figure is comparable to the devolved administration estimates. It excludes crown dependencies, Overseas Territories and offshore emissions.

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**Chart 1: Percentage reductions in Greenhouse Gas Emissions in the UK, by Devolved Administration, 1990 – 2017**



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## Supplementary analysis: UK & EU Comparisons

**Table 2 - Greenhouse Gas Emissions comparisons with the EU Member States, 2017<sup>1,2</sup>**

| Member State  | 2017 Emissions (MT CO <sub>2</sub> e) | Change 1990-2017 (%) | Change 2016-2017 (%) | Emissions Per Capita (Tonnes CO <sub>2</sub> e) |
|---|---------------------------------------|----------------------|----------------------|---|
| <i>EU-15 Member States and the EU-15 Average</i>                      |                                       |                      |                      |   |
| Sweden  | 19.6                                  | -51.7%               | 9.9%                 | 1.96  |
| <b>Scotland</b>   | <b>40.5</b>                           | <b>-46.8%</b>        | <b>-3.3%</b>         | <b>7.47</b>                                     |
| <i>United Kingdom</i>   | <i>506.3</i>                          | <i>-38.2%</i>        | <i>-2.4%</i>         | <i>7.69</i>                                     |
| <b>Finland</b>  | <b>38.2</b>                           | <b>-35.5%</b>        | <b>-10.0%</b>        | <b>6.94</b>                                     |
| Denmark   | 55.0                                  | -30.3%               | -7.1%                | 9.57  |
| Germany   | 927.4                                 | -25.1%               | -0.5%                | 11.24   |
| EU-15   | 3,510.5                               | -18.7%               | 1.1%                 | 8.62  |
| <b>Italy</b>  | <b>427.8</b>                          | <b>-18.3%</b>        | <b>3.6%</b>          | <b>7.06</b>                                     |
| France  | 455.7                                 | -16.0%               | 1.4%                 | 6.82  |
| Luxembourg  | 11.6                                  | -12.7%               | 4.4%                 | 19.62   |
| Belgium   | 142.8                                 | -10.6%               | 0.8%                 | 12.58   |
| Greece  | 102.8                                 | -8.1%                | 5.9%                 | 9.55  |
| Netherlands   | 248.7                                 | -6.9%                | -1.0%                | 14.56   |
| Ireland   | 70.3                                  | 14.6%                | 3.2%                 | 14.69   |
| Austria   | 79.7                                  | 17.8%                | 2.7%                 | 9.08  |
| Spain   | 340.6                                 | 26.6%                | 3.7%                 | 7.32  |
| Portugal  | 84.2                                  | 33.1%                | 26.9%                | 8.16  |
| <i>The Remainder of the EU-28 Member States and the EU-28 Average</i> |                                       |                      |                      |   |
| Lithuania   | 12.4                                  | -71.6%               | -14.3%               | 4.37  |
| Romania   | 89.2                                  | -60.7%               | -4.8%                | 4.54  |
| Estonia   | 17.8                                  | -54.9%               | 6.2%                 | 13.54   |
| Slovakia  | 34.4                                  | -46.8%               | 0.0%                 | 6.32  |
| Bulgaria  | 53.4                                  | -40.7%               | -5.0%                | 7.52  |
| Hungary   | 57.8                                  | -37.0%               | 2.8%                 | 5.90  |
| Czech Republic  | 125.2                                 | -34.6%               | 2.6%                 | 11.84   |
| Latvia  | 11.8                                  | -32.6%               | -10.6%               | 6.06  |
| Croatia   | 19.3                                  | -25.7%               | 0.5%                 | 4.64  |
| <b>EU-28</b>  | <b>4,284.7</b>                        | <b>-23.0%</b>        | <b>0.1%</b>          | <b>8.29</b>                                     |
| Poland  | 370.5                                 | -16.1%               | 2.8%                 | 9.76  |
| Slovenia  | 13.2                                  | -8.8%                | 8.4%                 | 6.38  |
| Cyprus  | 10.7                                  | 71.0%                | 14.7%                | 12.47   |
| Malta   | 7.8                                   | 142.9%               | 0.9%                 | 16.90   |

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### Sources:

1) European Environment Agency (EEA) Data Viewer: 1990-2017

<http://www.eea.europa.eu/data-and-maps/data/data-viewers/greenhouse-gases-viewer>

2) Eurostat Population Data 2017

<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-28, and EU-15 emissions per capita figures have been calculated using population data from the Eurostat website.

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

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

# Scottish Greenhouse Gas Statistics 2017

## Supplementary analysis: UK & EU Comparisons

**Chart 2 - Percentage change in Greenhouse Gas Emissions in Scotland and the EU-15 Member States, 1990 – 2017**

