**CO2 Emissions**

It is estimated that in Armagh City, Banbridge and Craigavon Borough in 2022 there were 1,341.5 kilotonnes of CO2 equivalent emissions[[1]](#footnote-1). This is a decrease of 3.3% on 2021 estimates and almost 29% since 2010 when it was at the highest level of the years presented below. The decrease in CO2 equivalent emission estimates over the same period in Northern Ireland was slightly higher at 29.5%.

|  |  |  |
| --- | --- | --- |
|  | CO2 Emission Estimates (*Kilotonnes (kt CO2e))* | |
|  | **Armagh City, Banbridge and Craigavon** | **Northern Ireland** |
| 2010 | 1,879.6 | 16,457.0 |
| 2011 | 1,736.7 | 15,195.0 |
| 2012 | 1,748.6 | 15,506.4 |
| 2013 | 1,713.8 | 15,254.1 |
| 2014 | 1,636.5 | 14,491.5 |
| 2015 | 1,592.8 | 14,073.0 |
| 2016 | 1,516.6 | 13,429.6 |
| 2017 | 1,469.9 | 12,949.1 |
| 2018 | 1,473.1 | 12,850.6 |
| 2019 | 1,432.6 | 12,570.5 |
| 2020 | 1,324.1 | 11,591.9 |
| 2021 | 1,387.5 | 12,080.8 |
| 2022 | 1,341.5 | 11,602.6 |

*Table 1: CO2 emission estimates for Armagh City, Banbridge and Craigavon Borough and Northern Ireland 2010 to 2022. Source: Local Authority territorial carbon dioxide (CO2) emissions estimates 2005-2022 (kt CO2e), Department for Business, Energy and Industrial Strategy. Note: In these statistics, the entire time series going back to 2005 is revised each year to take account of methodological improvements, so the estimates presented here supersede previous ones.*

*Figure 1: CO2 emission estimates for Armagh City, Banbridge and Craigavon Borough and Northern Ireland 2010 to 2022. Source: Local Authority territorial carbon dioxide (CO2) emissions estimates 2005-2022 (kt CO2e), Department for Business, Energy and Industrial Strategy.*

The table below shows how annual CO2 emissions per capita compare between 2010 and 2022 in Armagh City, Banbridge and Craigavon Borough and Northern Ireland. Per capita emissions have decreased in both the borough and Northern Ireland overall since 2010. As per Figure 2, with the same per capita emissions as the Northern Ireland average, Armagh City, Banbridge and Craigavon Borough Council has the fifth highest per capita emissions when compared with the other LGD’s in Northern Ireland. Fermanagh and Omagh has the highest per capita emission rates of all LGD’s in Northern Ireland while Belfast has the lowest.

|  | CO2 Per Capita Emission Estimates (tCO2e) | |
| --- | --- | --- |
|  | **Armagh City, Banbridge and Craigavon** | **Northern Ireland** |
| 2010 | 9.5 | 9.1 |
| 2011 | 8.7 | 8.4 |
| 2012 | 8.6 | 8.5 |
| 2013 | 8.4 | 8.3 |
| 2014 | 7.9 | 7.9 |
| 2015 | 7.6 | 7.6 |
| 2016 | 7.2 | 7.2 |
| 2017 | 6.9 | 6.9 |
| 2018 | 6.9 | 6.8 |
| 2019 | 6.6 | 6.6 |
| 2020 | 6.1 | 6.1 |
| 2021 | 6.3 | 6.3 |
| 2022 | 6.1 | 6.1 |

*Table 2: CO2 per capita emission estimates for Armagh City, Banbridge and Craigavon Borough and Northern Ireland 2010 to 2022. Source: Local Authority territorial carbon dioxide (CO2) emissions estimates 2005-2022 (kt CO2e), Department for Business, Energy and Industrial Strategy.*

*Figure 2: CO2 per capita emission estimates by LGD and Northern Ireland 2010 to 2022. Source: Local Authority territorial carbon dioxide (CO2) emissions estimates 2005-2022 (kt CO2e), Department for Business, Energy and Industrial Strategy.*

Further information on CO2 emission estimates can be found via the following link:

<https://www.gov.uk/government/collections/uk-local-authority-and-regional-carbon-dioxide-emissions-national-statistics>

1. The greenhouse gases covered by these statistics are carbon dioxide, methane and nitrous oxide. In accordance with international reporting and carbon trading protocols, each of these gases is weighted by its global warming potential (GWP), so that total greenhouse gas emissions can be reported on a consistent basis (in carbon dioxide equivalent units (CO2e)). The GWP for each gas is defined as its warming influence relative to that of carbon dioxide. The GWPs used in these statistics are from Working Group 1 of the IPCC Fifth Assessment Report: Climate Change 2013. ([UK local authority and regional greenhouse gas emissions national statistics, 2005 to 2021 - GOV.UK (www.gov.uk)](https://www.gov.uk/government/statistics/uk-local-authority-and-regional-greenhouse-gas-emissions-national-statistics-2005-to-2021)) [↑](#footnote-ref-1)