

Emissions per Capita: Gigatons and Gigapeople

Physics and Mathematics of Sustainable Energy

College of the Atlantic. September 21, 2023

2019 total GHG emissions, not including LUCF, measured in Gt of CO₂e. Data from <https://ourworldindata.org/grapher/total-ghg-emissions-excluding-lufc?country=~USA>.

- World: 48.12
- China: 12.71
- USA: 6.00
- India: 3.39
- Russia: 2.48
- Japan 1.17
- Canada: 0.74
- South Africa: 0.555
- United Kingdom: 0.44
- France: 0.42
- Argentina 0.37
- Nigeria: 0.31
- Syria: 0.049
- Tunisia: 0.042
- Nicaragua 0.019
- Rwanda: 0.005
- El Salvador: 0.002

1. What is the per-capita emissions of the US?
2. Choose at least one other country and calculate its per-capita emissions.