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Armed forces have a massive carbon footprint that is absent from global accounting.

The world's militaries are heavy emitters of greenhouse gases. No one knows exactly how much; estimates range between 1% and 5% of global emissions, comparable with the aviation and shipping industries (2% each). Yet militaries are largely spared from emissions reporting. This must change, or mitigation measures risk becoming mere guesswork 1.

For instance, the US military is the world's largest in terms of expenditure. If they were a nation, US forces would have the highest per-capita emissions in the world, at 42 metric tonnes of carbon dioxide equivalent (CO_2eq) per staff member (see 'Military emissions'). For each 100 nautical miles flown, the US Air Force's signature F-35 fighter jet emits as much CO

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<sup>2</sup>
(2.3 metric tonnes of CO
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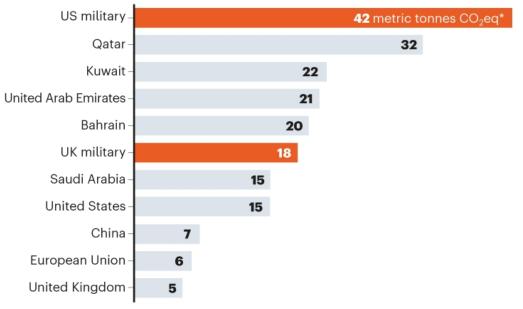
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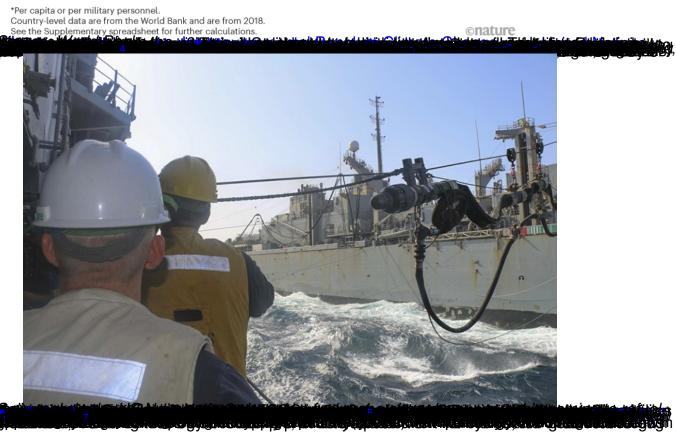
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as an average UK petrol car driven for one year. Each year, jet-fuel use by the US military alone generates emissions equivalent to six million US passenger cars $\frac{2}{3}$

MILITARY EMISSIONS

Fuel-use data show that US and UK armed forces emit as much CO₂ per capita as many carbon-intensive countries.

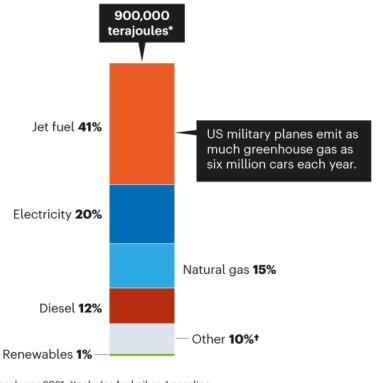






FEDERAL ENERGY CONSUMPTION

The US government is a heavy user of fossil fuels, especially jet fuel. Using more renewables can lower emissions.



*Total energy use for fiscal year 2021. †Includes fuel oil and gasoline. Percentages do not add up to 100 because of rounding.

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