

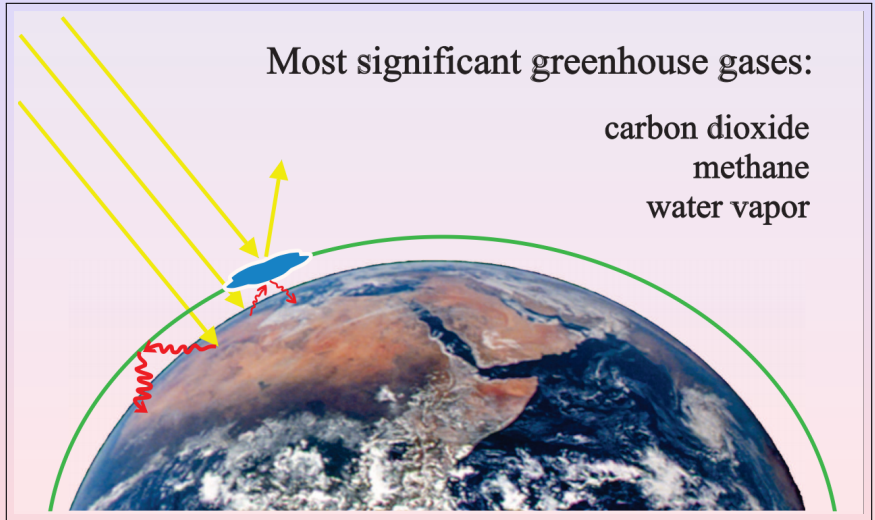
The Case for Climate Change

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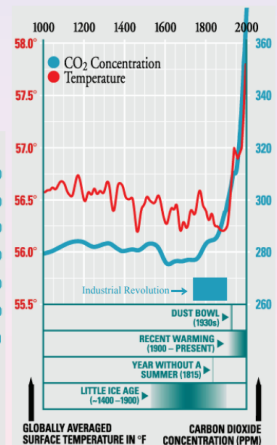
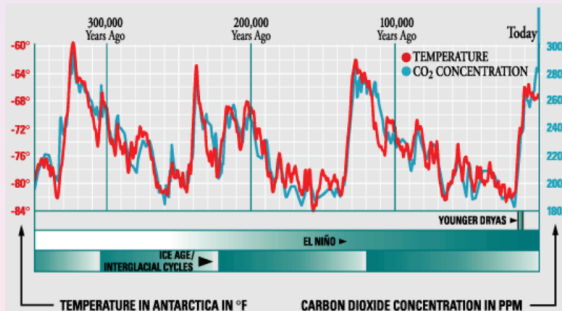
First, a quick review



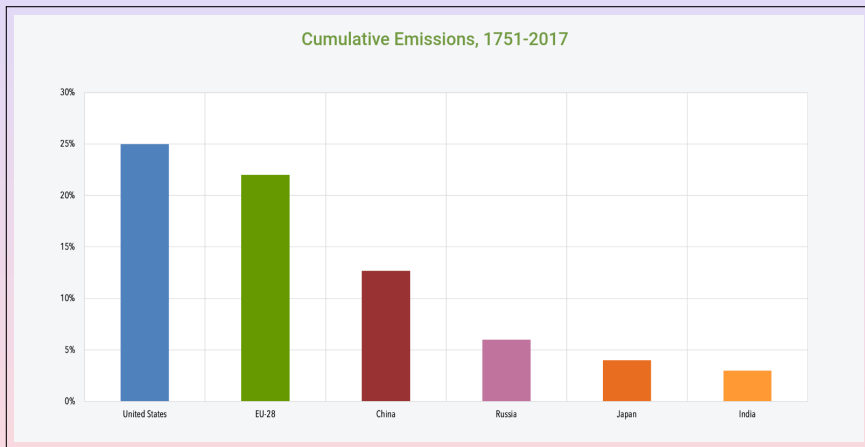
[reference]

First, a quick review

Carbon Dioxide from Ice Cores

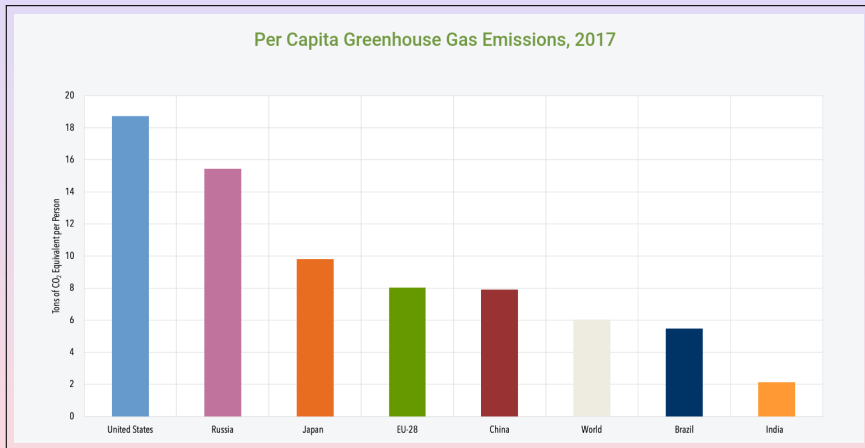


It's an international issue



[reference]

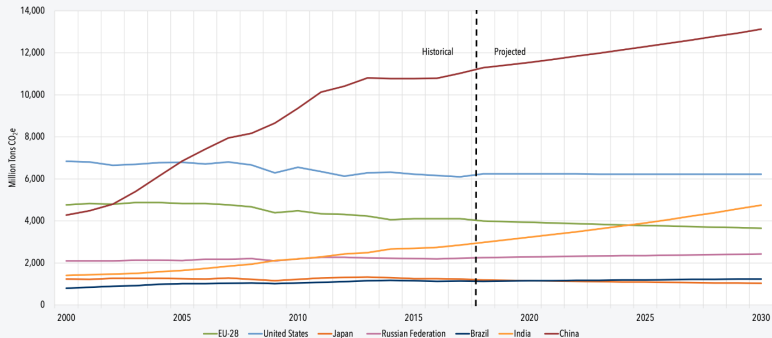
How do you measure the contributions?



[reference]

Will the U.S. lead?

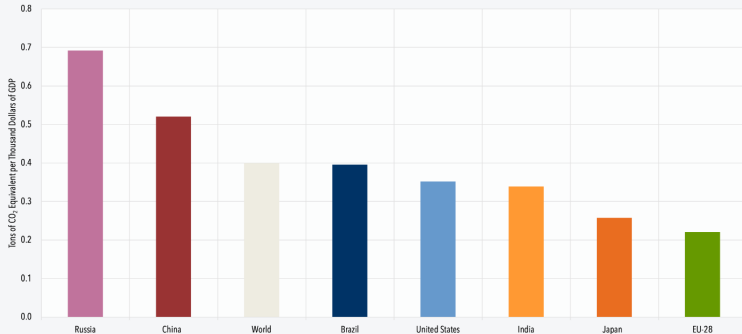
Greenhouse Gas Emissions for Major Economies, 1990–2030



[reference]

Will the U.S. lead?

Greenhouse Gas Intensity, 2017



NOTES

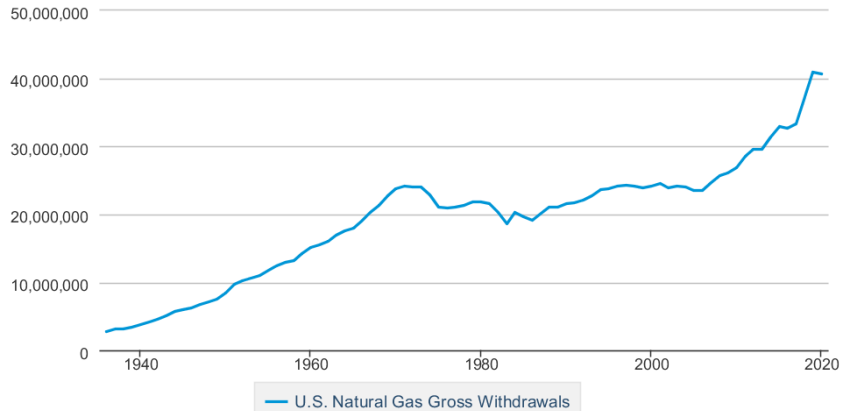
Greenhouse gas intensity is a measure of the amount of emissions relative to GDP. It is highest in Russia and China with the United States below the world average.

[reference]

If so, how?

U.S. Natural Gas Gross Withdrawals

Million Cubic Feet



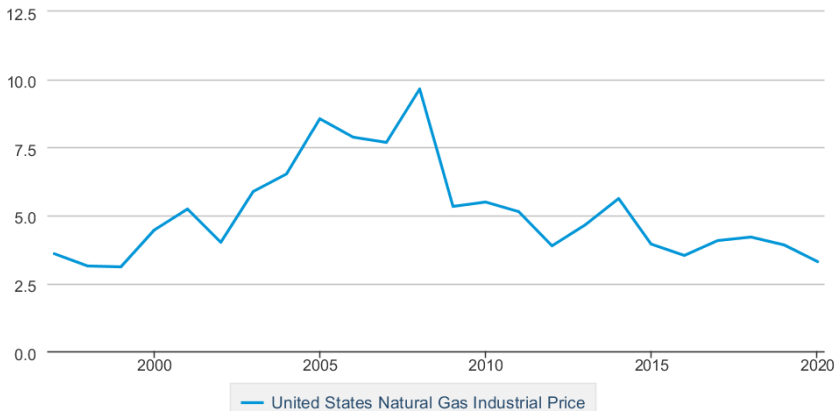
Source: U.S. Energy Information Administration

[reference]

If so, how?

United States Natural Gas Industrial Price

Dollars per Thousand Cubic Feet



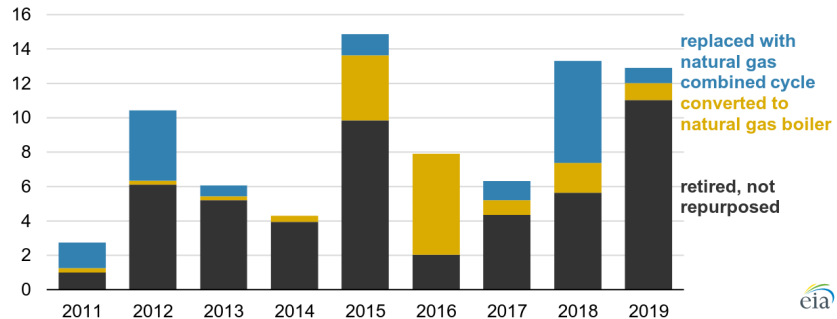
Source: U.S. Energy Information Administration

[reference]

If so, how?

U.S. coal-fired capacity retired or repurposed to natural gas by conversion type (2011-2019)

gigawatts



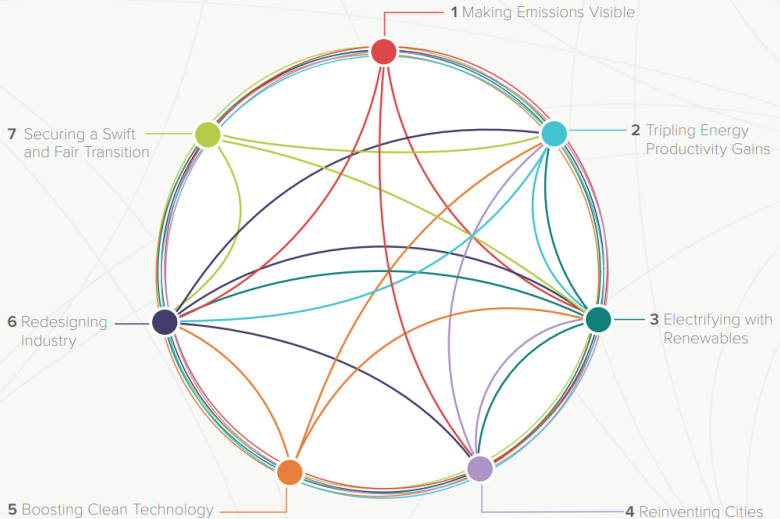
Source: U.S. Energy Information Administration, [Annual Electric Generator Report](#) and [Preliminary Monthly Electric Generator Inventory](#)



[reference]

The coming transformation

Seven Challenges for Energy Transformation



[reference]