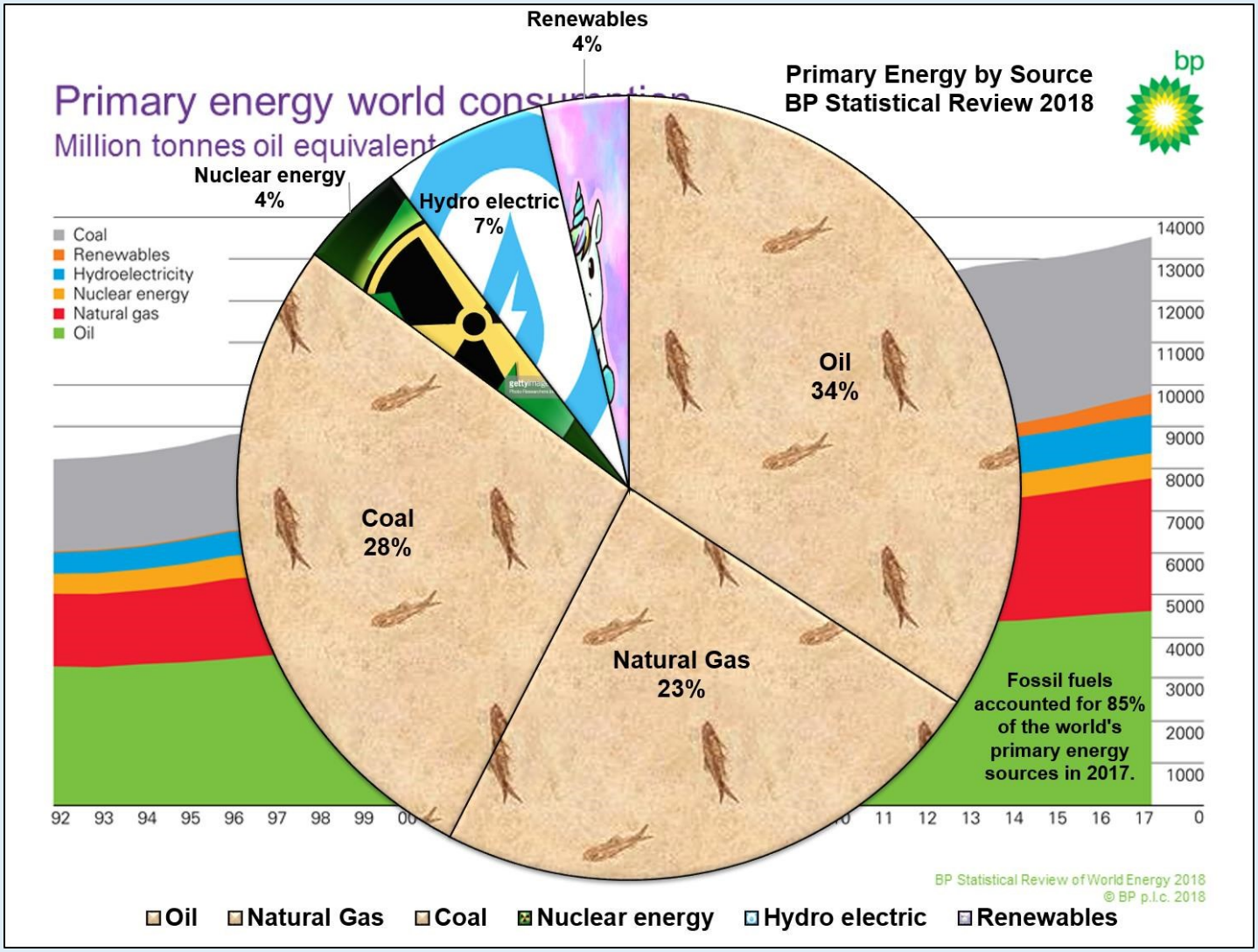
The Fuel Mix 2017

Geologist David Middleton and BP produced a pie graph showing global energy type, for 2017. Although later charts are available, this one has a few fossils displayed, emphasising the total dependence of the world on FOSSIL FUELS.



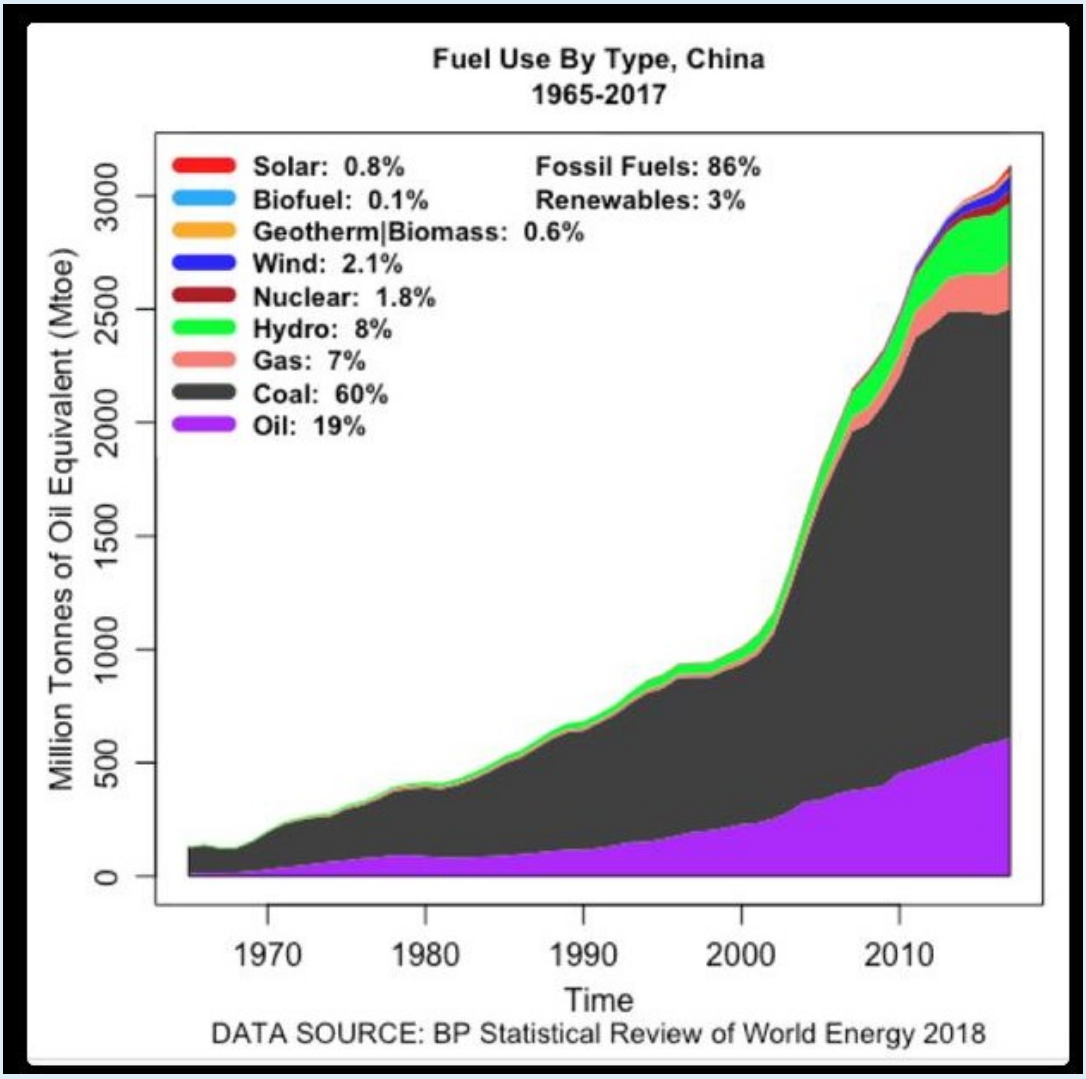
Note that renewables are a risible 4% of primary energy world consumption, and the only significant change to 2021 has been a small lift in total renewables, and a fall in use of nuclear energy globally. The **rational world** remains indebted to the BP truth-tellers for compiling these charts from the BP statistical Review of Energy 2018. They reveal the **TRUE LUNACY** of those proposing 'Zero emissions by 2050'.

The Fuel Mix 1965-2017

Willis Eschenbach produced a series of charts by fuel use type, 1965-2017. These charts also reveal the total dependence of the world on FOSSIL FUELS.

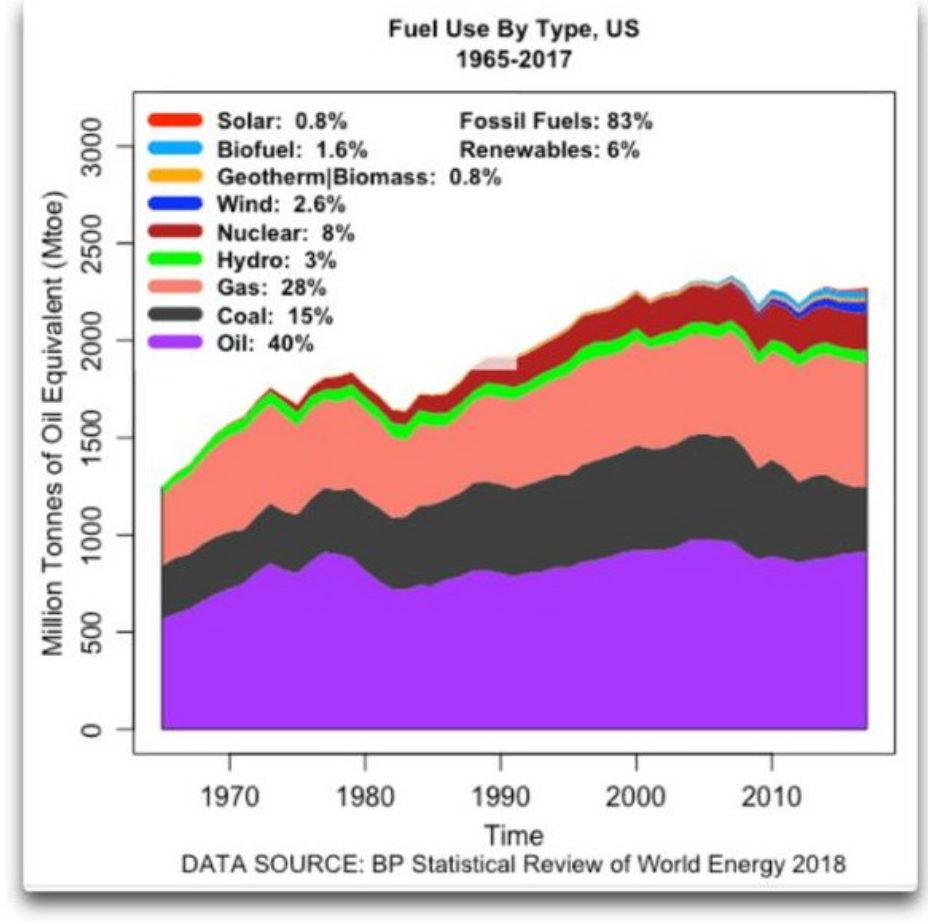
Not much has changed to 2020

https://wattsupwiththat.com/2018/12/21/another-look-at-the-fuel-mix/



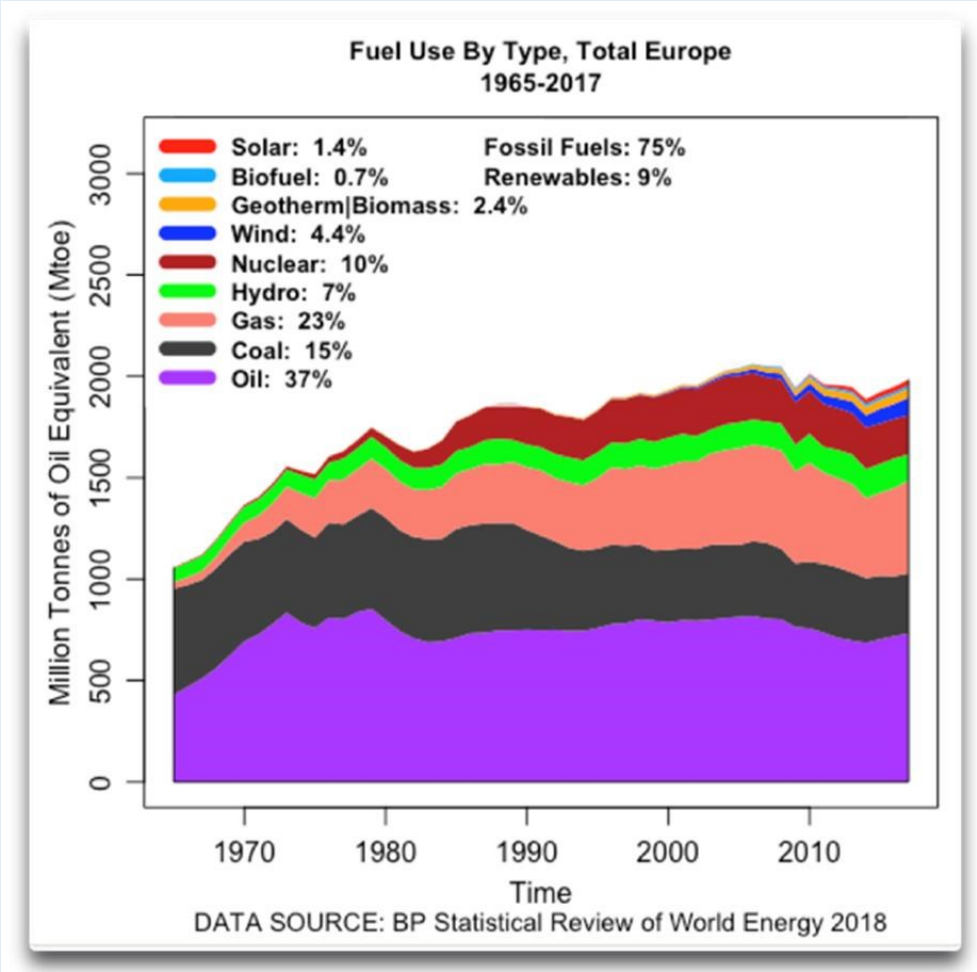
The following pages provide a detailed look at fuel use around the world; not much has changed through to 2020. The **rational world** remains indebted to Eschenbach for compiling these charts from the well regarded BP statistical Review of Energy 2018. they reveal the **TRUE LUNACY** of those proposing 'Zero emissions by 2050'.

The Fuel Mix 1965-2017 - continued



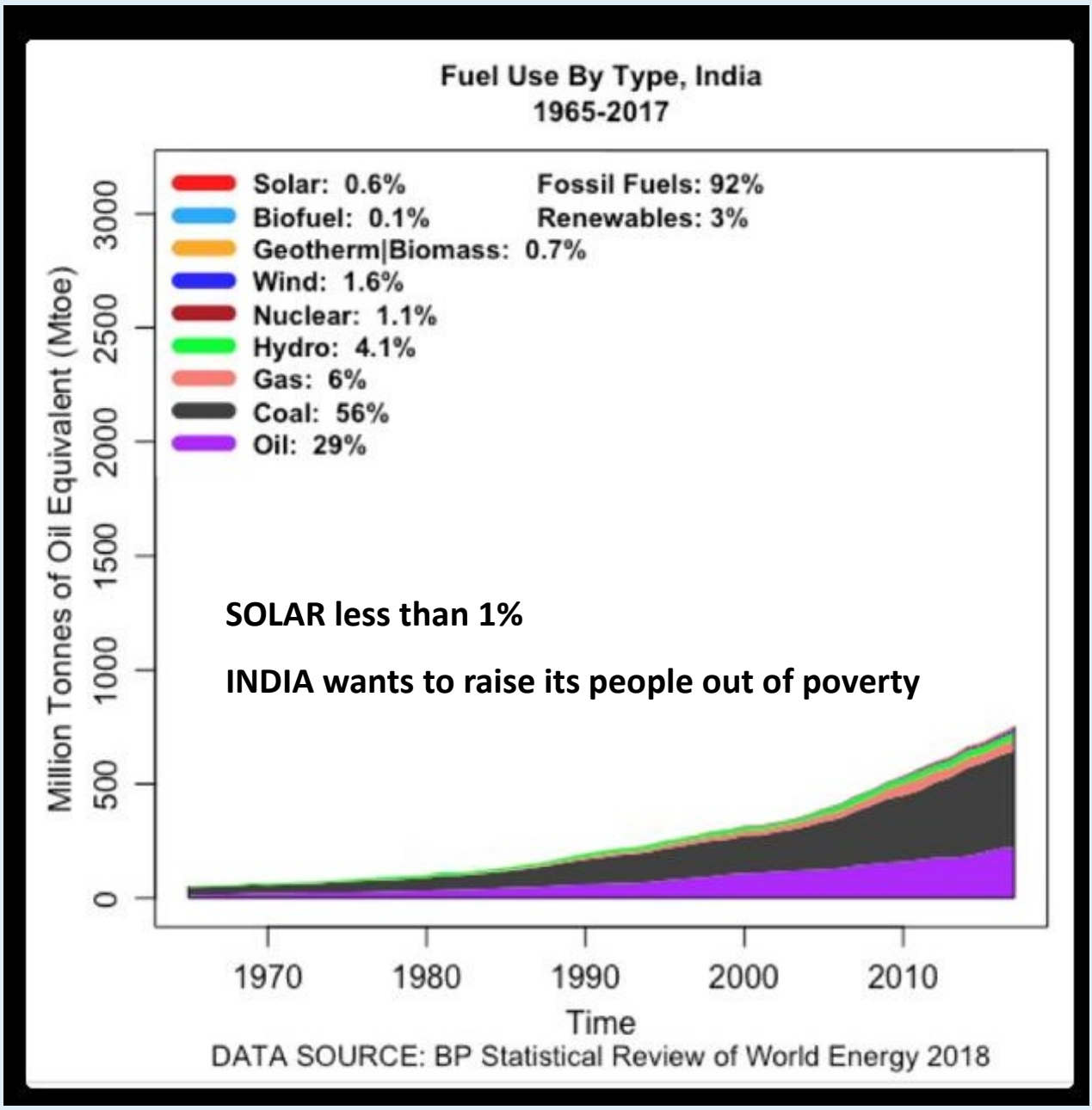
US follows China in total fuel use;

US fuel use has been about level since around 2000. The decrease in coal has been matched by an increase in gas, aided by a rise in renewables



Total European energy use is about the same size as that of the US. It uses less fossil fuels than the US, with the difference made up mostly by hydro and nuclear, along with a 9% contribution from renewables

The Fuel Mix 1965-2017 - continued



India deserves the opportunity to achieve prosperity for its people, just like the US and Europe have done using fossil fuels. Lectures from the empty vessel Biden and the climate fool Kerry will not cut the Indian mustard

Believe it: **There is NO CLIMATE EMERGENCY**

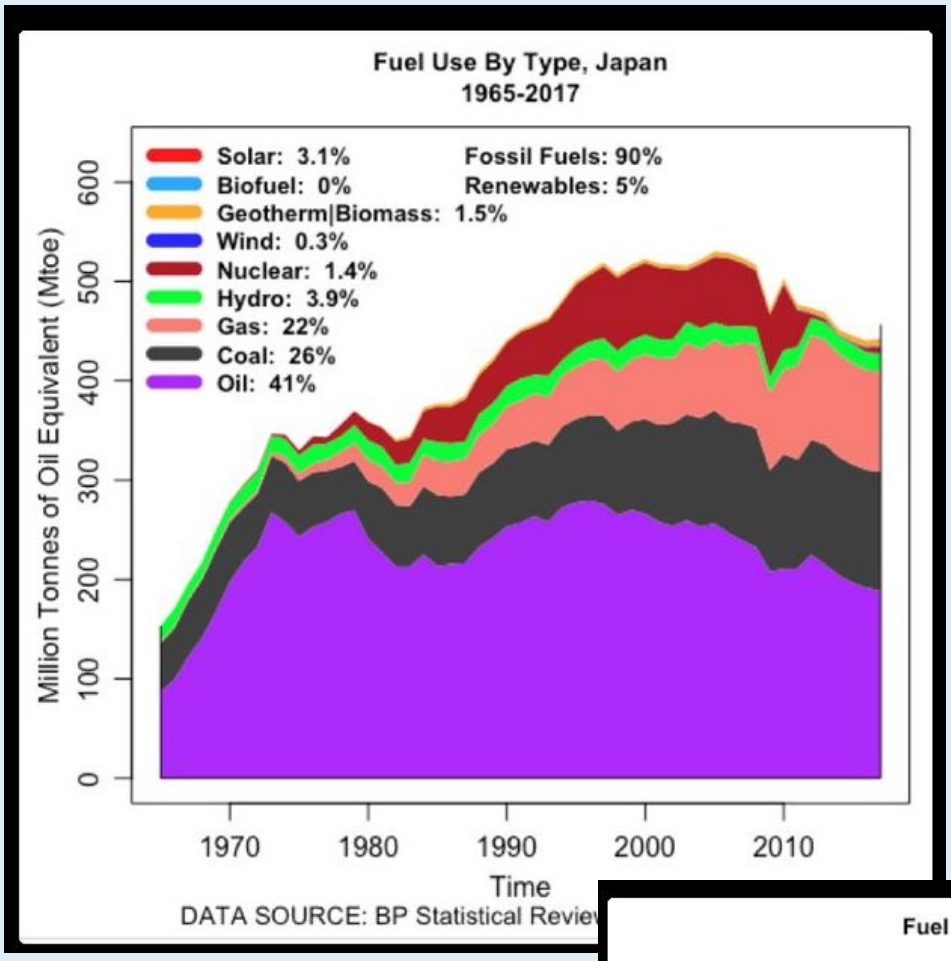
Believe it: 'Zero Emissions' = **ECONOMIC SUICIDE**

An aside re INDIA and fuel use. . .

WAP 5 electric locomotive, India, aka The White Beast, 150kphg, 5400hp, 2015

India has no fast trains, but the people love their electric and diesel locos. About the ticketing?? Don't ask !!

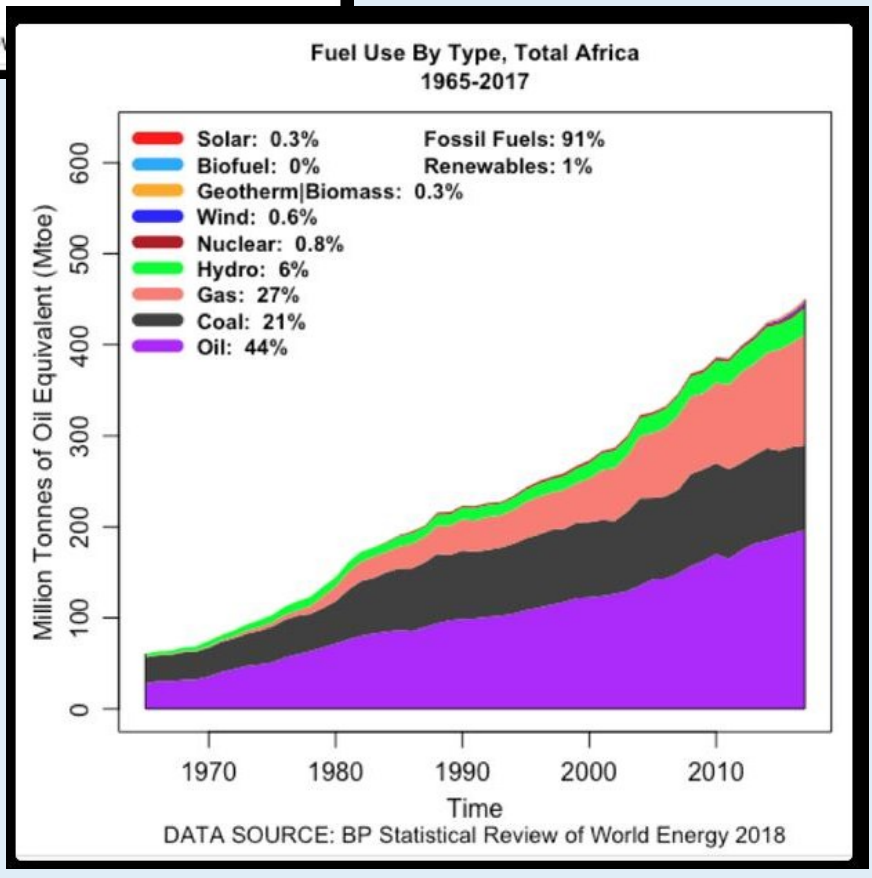
The Fuel Mix 1965-2017 - continued:
The same applies to Africa as to India



Note the scale change!!

The Y axis is now one-fifth of previous scales

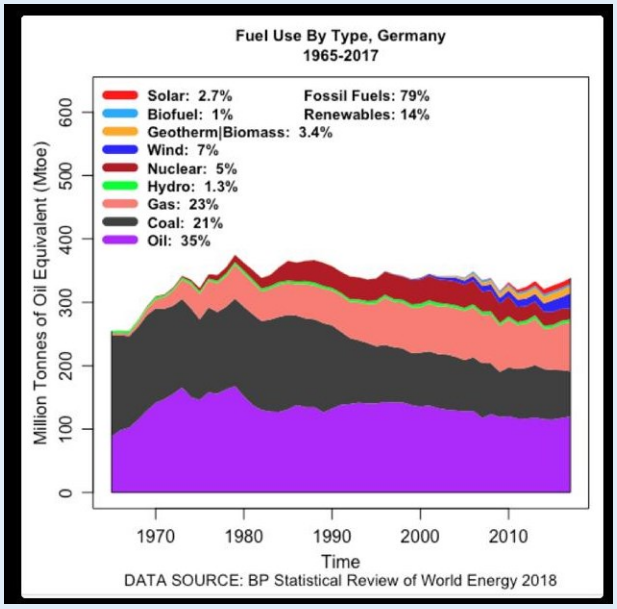
Japan is an interesting case, in that they basically shut down their nuclear power nationwide after the Fuku-shima tsunami disaster. They replaced the nuclear with fossil fuels.
Recently they are beginning to restart some nuclear build.



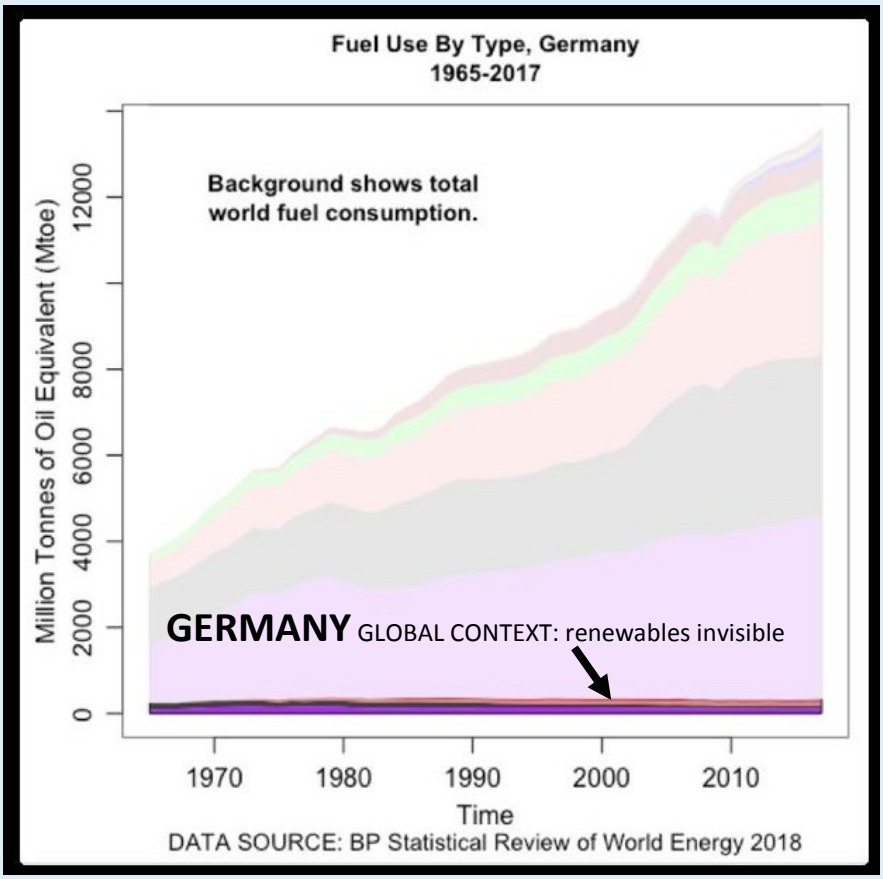
Japan is a tiny island in the global context, but it uses more fuel than the ***WHOLE OF AFRICA***!

Africa desperately needs fossil fuels for its future growth and to ELIMINATE POVERTY

The Fuel Mix 1965-2017 - continued:
Germany—the darling of renewables



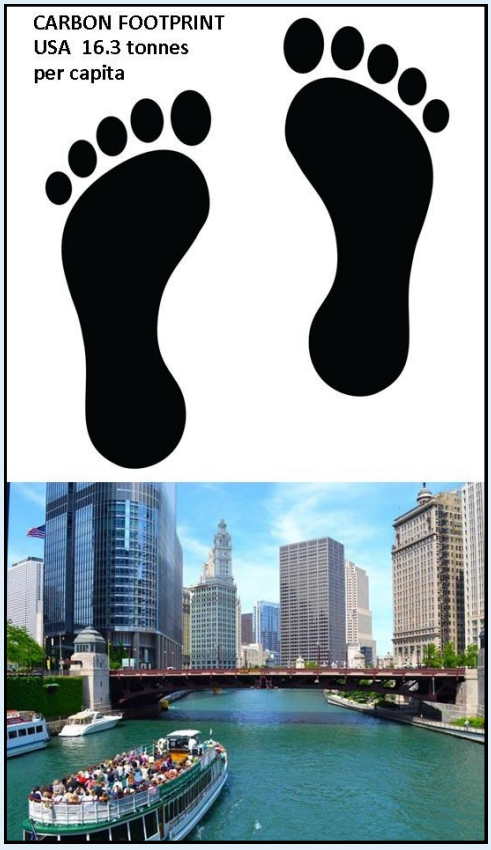
What Germany is doing counts for almost NOTHING in the global context



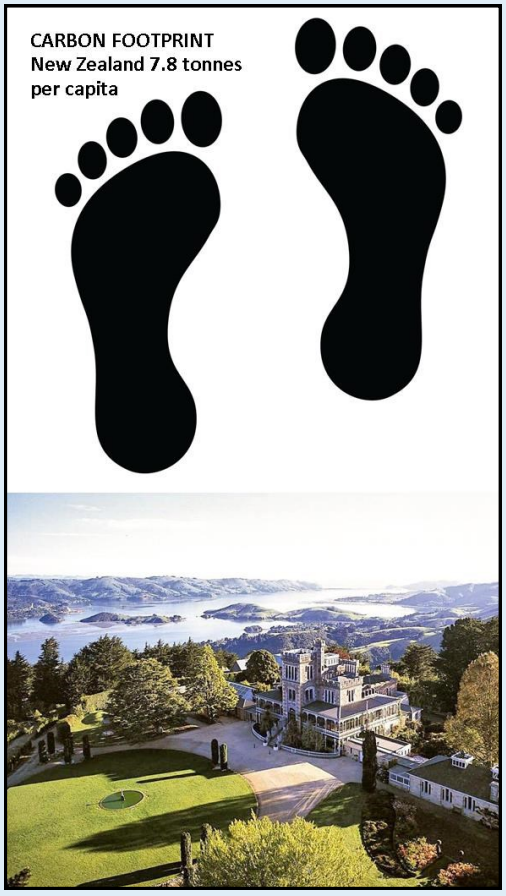
And the headlines are not too flash. . . .

- **Crunch Time: Germany's Wind & Solar Disaster Leaves Germans Scrambling For Reliable Power** *12 Feb 2020*
- **Big Backpedal: A Week After Shutting its Coal-Fired Plants Germany Forced to Reopen Them** *25 April 2021*
- **Germany's Renewables 'Transition' Means World's Highest Power Prices & Power Rationing** *6 April 2021*
- **All Time High: Wind & Solar Obsession Triples Power Costs to German Industry & Domestic Prices Highest in Europe** *1* *3 March 2021*

Hypocrisy and Carbon Footprints



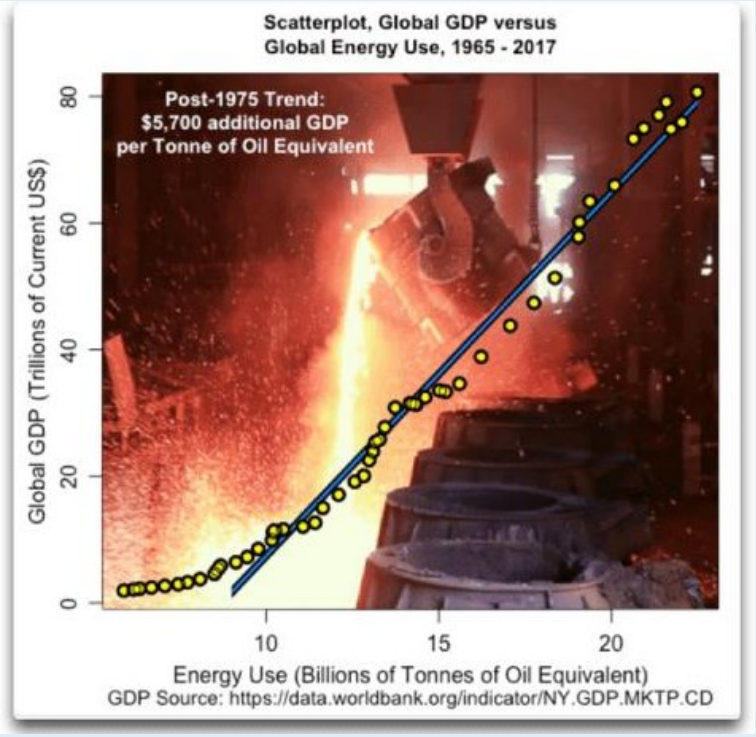
Developed nations, banks and the UN have NO right to limit the use of fossil fuels in developing nations, since that is the surest and perhaps ONLY way to bring their citizens from poverty to something approaching a middle class.



IMAGINE: poor countries with electric light at night for home-work, refrigerators for food and medicine, and stoves for cooking and saving precious wood.

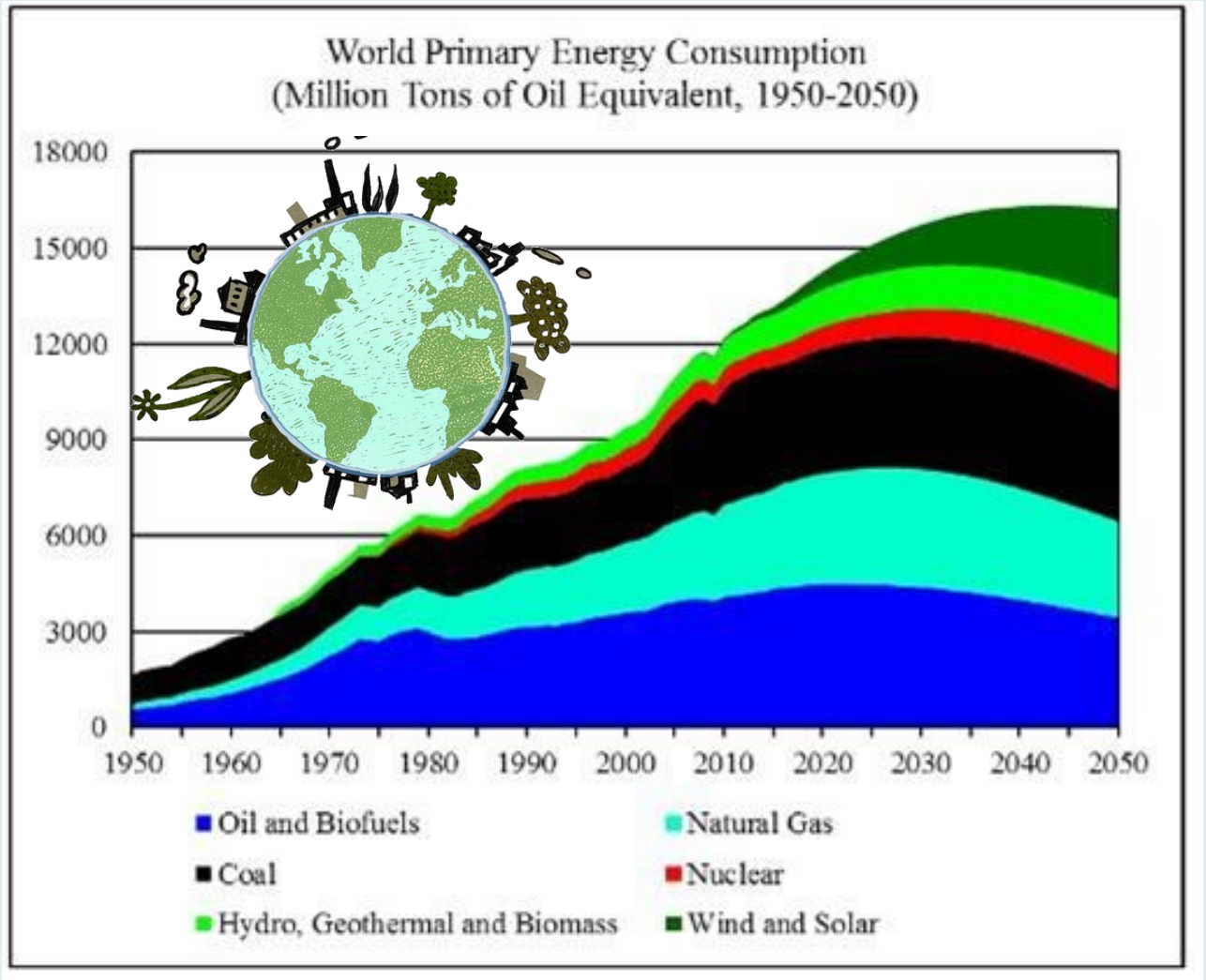
CO2 is your friend

Some FUTURE projections of fuel use

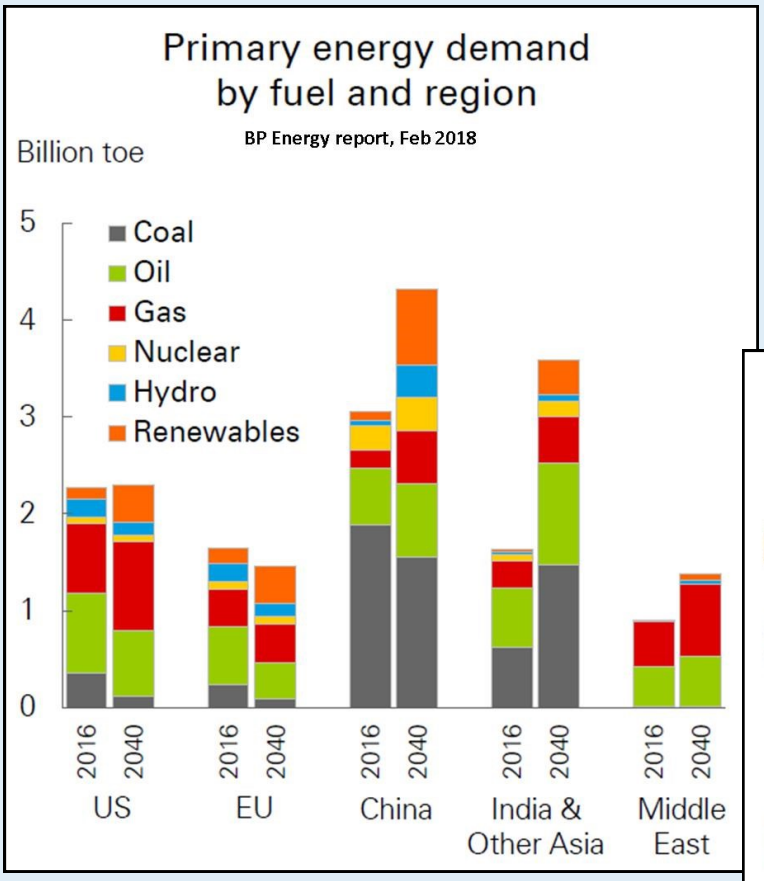


Eschenbach clearly shows that GDP of a nation and its energy use are directly related. CHEAP ENERGY IS THE KEY TO ECONOMIC DEVELOPMENT.
https://.wattsupwiththat.com/2018/12/15/the-social-benefit-of-carbon/

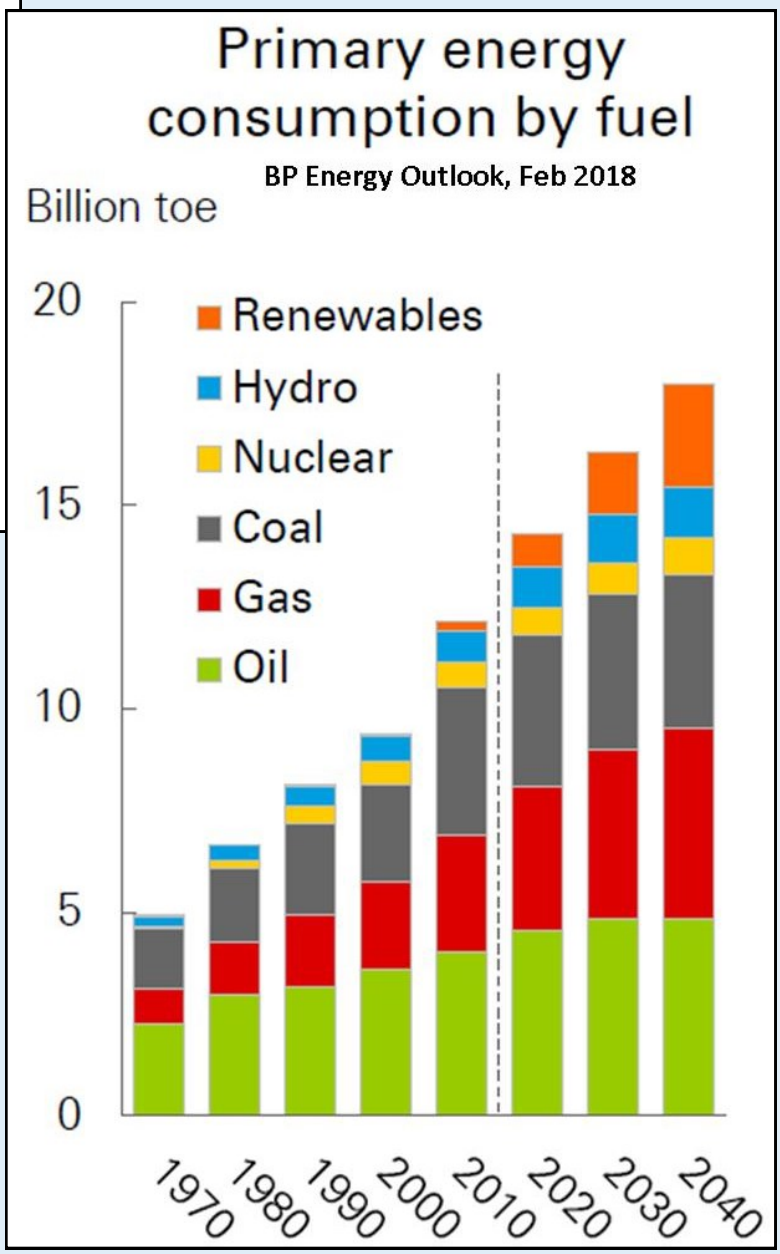
The BP projections below show only a minor decrease in use of fossil fuels by 2050. This is hardly substitution by renewables



Some FUEL USE projections to 2040



BP again shows NO significant change in the use of fossil fuels to 2040. They show all forms of energy consumption increasing, but coal, oil and gas remain unchanged and dominant



And so we ask this renewable blowhard, Matt Kean, which part of this data does he not understand?

ZERO EMISSIONS are a pipe dream

Section 9 to follow will discuss the issue of land use required for renewables, and the extent of required renewable infrastructure needed to be constructed should the boneheads and morons seeking zero emissions by 2050 have their way.

HINT: It is not easy: as from 31 January 2021 we would need to build globally

- ***Two 2.1 gigawatt (GW, 10^9 watts) nuclear power plants each and every day until 2050***

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Believe it: 'Zero Emissions' = ECONOMIC SUICIDE