

Transformations in U.S. Oil and Gas Production

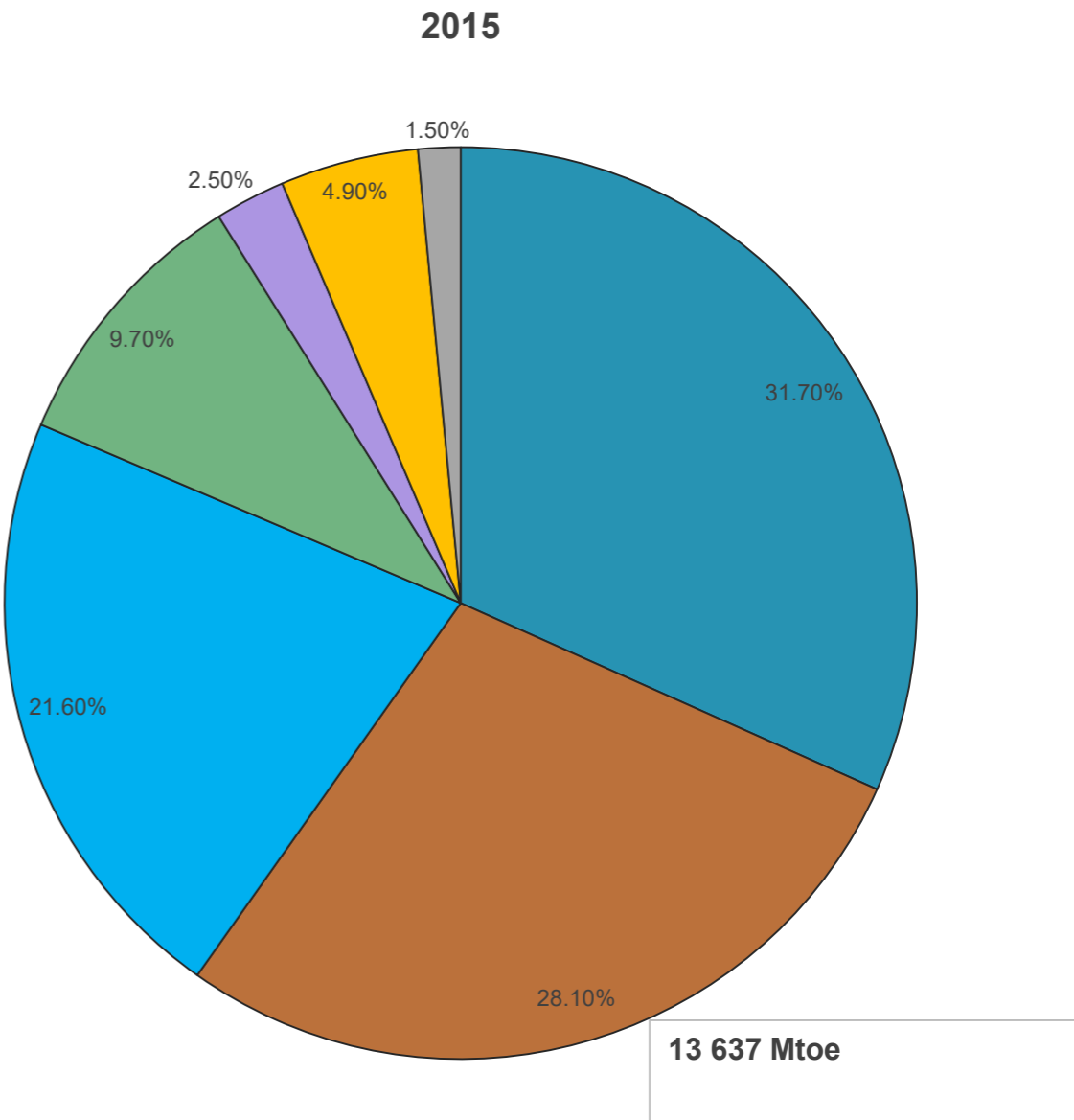
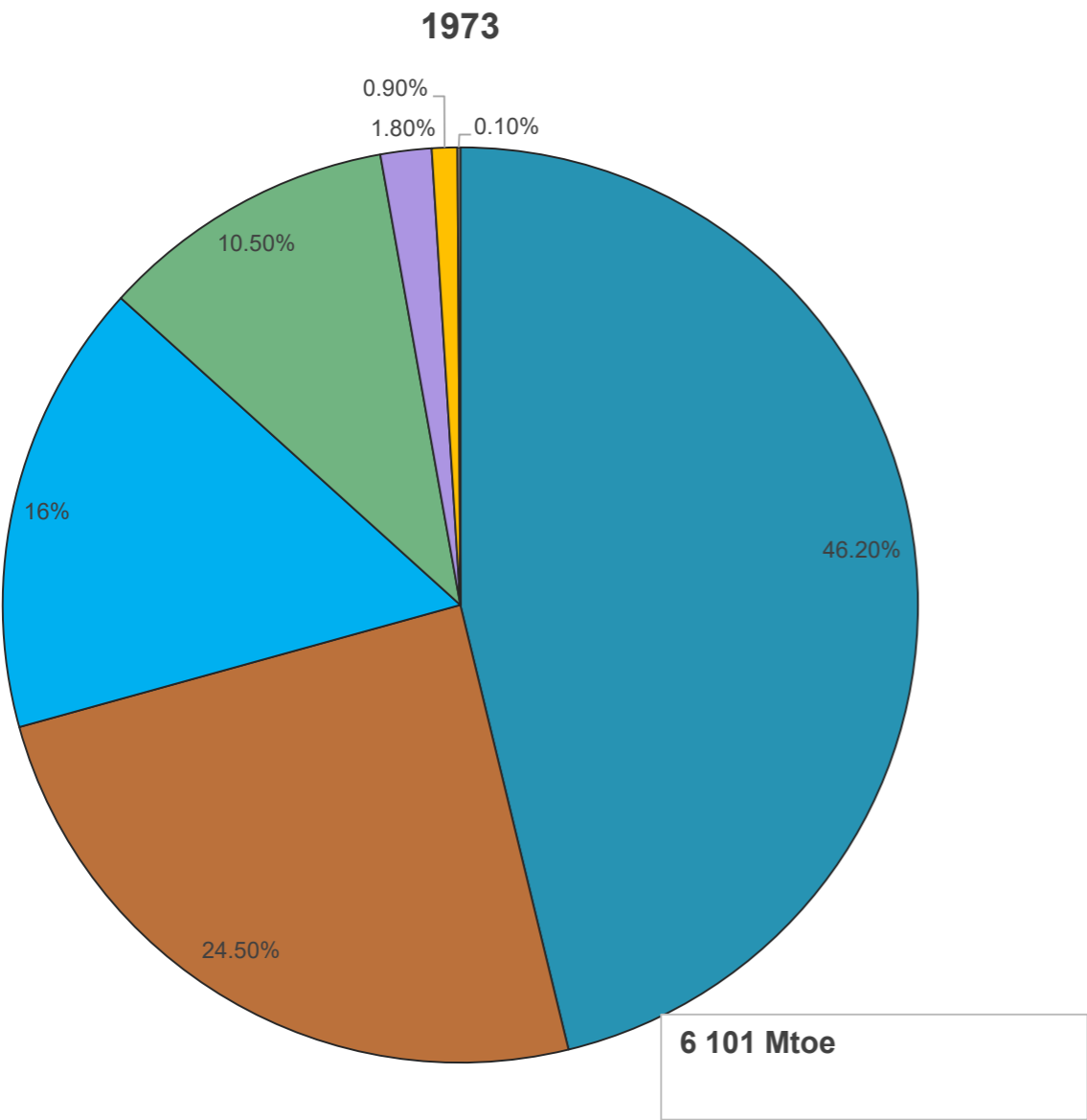
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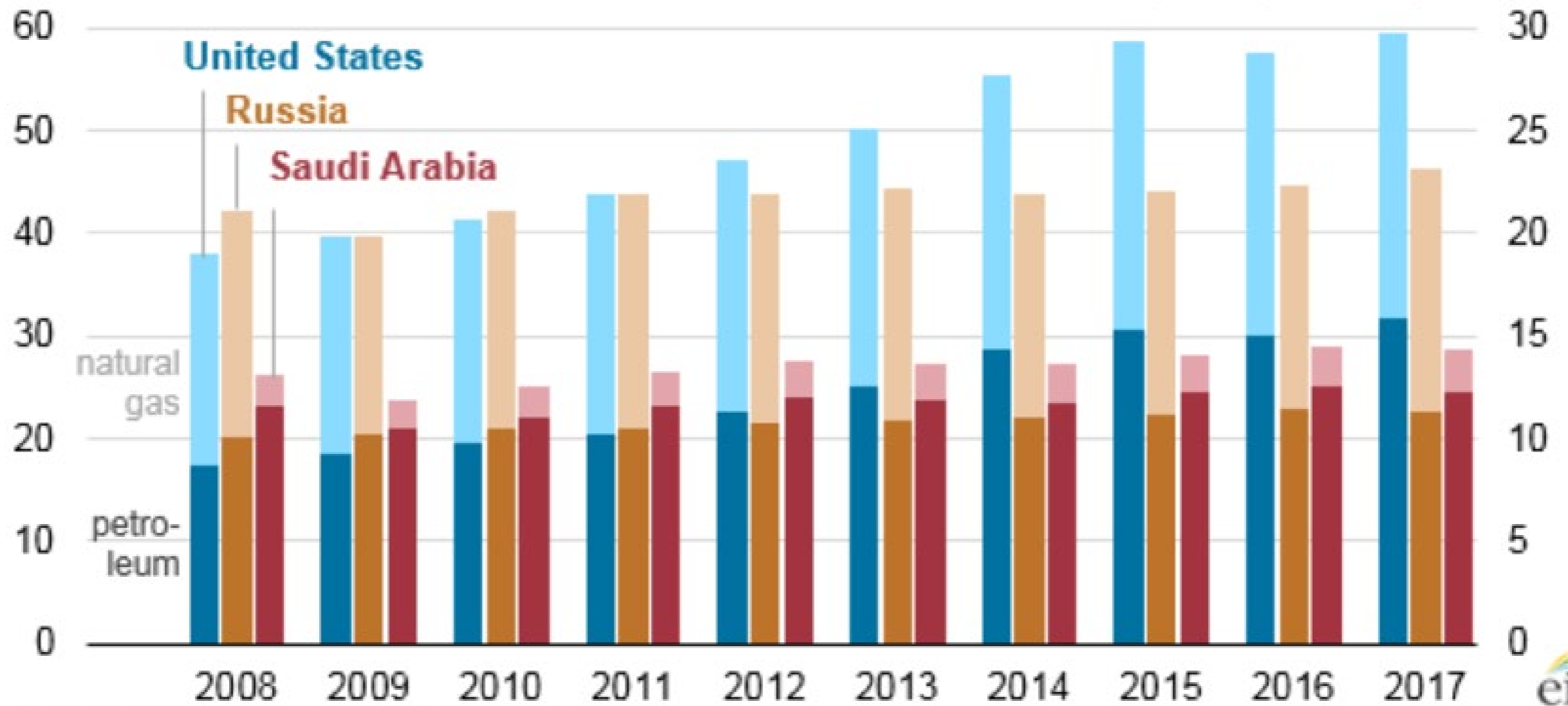
The world remains well short of achieving an energy revolution...



Total primary energy supply by fuel

Oil Coal Natural Gas Biofuels and Waste Hydro Nuclear Other renewables

Estimated petroleum and natural gas hydrocarbon production in selected countries
 quadrillion British thermal units million barrels per day of oil equivalent



Source: U.S. Energy Information Administration



Oil and Gas Exports.....

For more than 40 years the US has had in place a de facto ban on the export of crude oil, which was overturned in 2015.



Recent estimates indicate a third of the world's oil reserves and half of the world's gas reserves will need to stay in the ground to stay within the 2°C guardrail

US energy-related carbon dioxide emissions by fuel, 1990-2050

