



Fuel mass per energy, including nuclear fuels. Economies of scale favor fuels suited to higher power density, thus decarbonization and finally nuclear sources, at least 10,000 times more compact than hydrocarbons. The recent JET fusion experiment achieved density 10,000,000 times coal with deuterium-tritium fuel. Note: \*CANDU is a pressurized heavy water reactor. Sources of data: [https://en.wikipedia.org/wiki/Energy\\_density](https://en.wikipedia.org/wiki/Energy_density) and <https://euro-fusion.org/eurofusion-news/dte3record/>. Figure prepared by N.M.Victor, 2/9/2024. Program for the Human Environment, The Rockefeller University.