

Re: for the close of all fission nuclear reactor in the world

You have to distinguish between what is available energy which will end up as heat if not used (zero net loss) and energy taken from the system and never given back, like using tidal energy on a large scale.

Yes, let's say that the huge volume of electrons dumped into the Earth via lightning are contributing to the magnetic field of the Earth, perhaps because some of the electricity eventually flows through a high temperature molten conductor (Earth's outer core) as it is freezing onto a magnet (Earth's inner core) due to high pressures perhaps from gravity while also becoming superconducting, e.g., part of a geodynamo. I.e., if we divert the electrons from this process for work, the net effect on the Earth is not zero, nor is it heat related... and it'd be dangerous, if the diversion of electrical energy to human uses causes a pole-flip. Since no one knows what is generating the "heat" for the Earth's geodynamo, it could be solar, wind, water currents, lightning, gravitational forces, etc.

If you shoot mass at the Moon directly you get action and reaction at both bodies and increase in major orbital axis; but use back-of-earth to back-of-moon trajectories and you get the reverse. And you can speed up or slow down the Moon with two other choices; it's workable even for a purist.

So, now you not only still suggest the prohibitively expensive proposition of sending the waste to the moon and onto the sun, instead of dumping it encased in glass and steel into a paid-for hole in the desert, but you also suggest building multiple retrieval sites on the moon just to balance out the forces of getting the product there? ROFL... Sorry to say this, but I think the "high-energy physicist" needs a class in practical reality and econ. 101... because this solution sounds like "job preservation." Hey US Gov't., NASA wants \$2.24 Trillion to get rid of our nuclear waste... I'll get rid of your nuclear waste for \$500 Billion. Now, I just need to find some Italians who will dump the waste somewhere for only a \$1 Billion. ;-)

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