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Cc: [SizewellC](#)
Subject: Fwd: Against Nuclear Power Stations - Sizewell C
Date: 15 September 2021 06:21:05

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>>> Why I feel so strongly against building new Nuclear Power Stations (specifically Sizewell C):

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>>> 1) Turbulent times and terrorism - can Britain's Nuclear Power Stations withstand military missiles or Boeing aircraft (or larger) colliding into them? If not Nuclear new builds should not even be considered.....

>>> 2 Accidents - Nuclear accidents are not just financially crippling, vast areas of habitat are destroyed for hundreds of years with potentially numerous costs to life/creating life crippling diseases - Three Mile Island Accident 1979, Chernobyl 1986, Fukushima Daiichi 2011 and who knows what other accidents or near misses that have been hushed up. It's not like Britain is a large country to relocate the population of East Anglia (or larger) if this happens!

>>> The difficult clean-up after these accidents takes decades and decades and the sites remain radioactive for who knows how long - beyond our children's children's children's lifetimes!!!!

>>> 2) Climate change - Rising sea levels and dramatic weather now materialising faster than ever before yet you are planning on building on the stretch of coast which is changing before our eyes (Orford Lighthouse one example!) - I also feel it is ignorant to make decisions reflecting on the last 50 years or so as the next 50 are very likely to be excessively worse, more dramatic and turbulent - who knows how strong the winds will blow, how copious the rainfall will be, how much heat will hit us. The UK is not immune to earthquakes or tornadoes!! The world is changing fast, building something that if struck down (natural disaster or other) would create such a huge disaster is just absurd.

>>> 3) Water consumption for the construction of Sizewell C site alone - this is shockingly high and I doubt Anglian Water can even deliver all required - farming has huge restrictions on its water use FOR PRODUCING FOOD thus leaving many farmers crops to die (Summer dry sandy soils of East Anglia) along with the farmers livelihoods!

>>> 4) Damage to the sea life and rising sea temperatures - far too many fish killed through the water consumption used for cooling the reactors, on top of that to then release warm water to the already rising sea temperatures is just brutal

>>> 5) Nuclear Waste and its half-life - has anyone lived long enough to confirm the true half-life of nuclear waste!? Not advancement to produce such a long existing toxic waste - that in itself is bad enough without factoring in the huge ongoing costs (labour, storage, decommissioning etc)!

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>>> This brings me to the 'levelised cost of electricity' - Calculating the cost of the build + the running costs + the cost to decommission this then divided by the total kWh's that the project will produce in its lifetime gives the true cost of a project - Nuclear is not favourable with this TRUE reflection of cost!

>>> I am aware this number changes as technologies improve and evolve - for example solar costs 90% less today than it did 12 years ago, however nuclear has increased in cost!!!!

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>>> Solving our energy crisis:

>>> 1) Invest in economical housing/buildings - strict building regulations should have been mandatory decades ago - all new builds should have been built to the highest and most efficient of its time - STILL not happening!!!!!!

>>> 2) Wind, solar, hydro and wave technology are progressing at great speed - invest more in renewable energy sources. I understand that they have their environmental costs but as does every type of development, we need to counteract the negatives to the best of our ability - but still progress their development!

>>> 3) Produce energy from moving objects - bikes, keep fit machines, wind through vehicle movement etc

>>> 4) Strict regulations on electrical products - make it mandatory to produce energy efficient products

>>> 5) Educate - teach people to be energy efficient

>>> 6) Profitable - If people are energy efficient they profit through lower rates - make it desirable

>>> 7) Invest massively on energy storage, this is hugely inefficient at this moment in time

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>>> Germany (plus some other developed countries) are phasing out Nuclear Power Stations as the overwhelming majority of their Parliament voted for the phase out - what a disturbing shame the UK is not so mindful and safety conscious in these unstable times!

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>>> Yours

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>>> Sarah T Chandler

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>>> Sent from my iPhone