

From: [REDACTED]  
To: [SizewellC](#)  
Cc: [REDACTED]  
Subject: RE: 20026834 Sizewell C additional notes for June 2nd 2021  
Date: 02 June 2021 22:53:47

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My Ref: 20026834 D. Watson

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Updated for 2<sup>nd</sup> June 2021

I have been a professional planner, project designer and project design engineer for over 40 years primarily on large national and global telecommunications utility projects. Never have I experienced such appalling planning ethics and attitudes expressed by anyone like I have seen and heard about from EdF and the Sizewell C fiasco.

Whether it is the complete disregard of any of the site consequences or the use of out-of-date studies or the relentless lies and deception, the mistakes are endless. The deeper you look the more you discover. I do hope that this planning enquiring is more than a 'box ticking' exercise which judging by EdF's attitude that is all it is. Their total and evidenced disrespect for people and the environment is beyond belief. That said, there are many other substantial mistakes they have made.

I need to list the key errors, but the list is so long it would take me a year to complete, and I have not got the time available. On behalf of future generations, I will list some key observations and general notes that hopefully may help put an end to this nonsense idea.

Previously I submitted: -

"Local geology stability concerns. This site is marshland over sand/clays and saturated chalk, essentially on an ancient riverbed. This proposed area is highly vulnerable to future engulfment from the sea, land slippage, erosion and the cutting off from the higher mainland further inland to become a concrete nuclear island in time and eventually becoming under the North Sea. See also the History of The Lost City of Dunwich which was on the local soft, unstable land too.

The Sizewell area had an Earthquake and small Tsunami Wave in 1931 I was informed. I was interested in the local East Coast archaeology some 30 years ago; I did know of a long fault line that exists across the Southern North Sea from the Netherlands and Germany. An Earthquake in 1992 (5.8) was recorded in Holland, I was near Amsterdam and the building I was staying at was rapidly shaking (at higher frequency than another Earthquake I had previously experienced). The building sank into the ground 75mm. Not the ideal conditions for radioactive graphite cores due to core fracture risks and coolant leaks, potential for melt down or similar. I heard afterwards (from the Dutch) that the Earthquake was caused by an old riverbed collapsing. Whilst Sizewell A and B and are on the BGS geology that extends back towards Norwich, this new site C is planned at a potential geological edge; possibly a fault line to be expected at a far deeper level? This needs thorough checking.

The local Environmental cost is far too high. EDF wants to concrete over the fields behind and beside B during construction (750 acres?). The area next to B station is a RAMSAR International Protected Wetlands Site and an SSSI and all within an AONB. It is unique, sensitive and irreplaceable. The RSPB Minsmere Reserve is remarkably close by too. EDF want to put a new road for 700-1000 lorries a day nearby. EDF clearly do not care enough about the Marsh Harriers, rare Amphibians and Wetland Birds or any other natural ecology and habitats.

They did buy an existing field somewhere and say, that is it we will be ecologically beneficial/positive, whilst at the same time wanting to chop down a woodland in advance of this planning consent.

Reactor design and building construction Issues. EDF has not actually managed to get their construction of the EPR reactor to work yet in Europe. EDF EPR Construction started at Olkivoto in 2005 and Flamanville 3 in 2007. Beset with expensive problems and were not designed to the new post Fukushima standards. EDF's Hinkley Point C in the UK may appear to be constructing a piece of outdated specification technology? They should at least finish and start both HPC reactors first to see if the design and build is up to European standards, Flamanville and Olkivoto were not, and, as yet, are still to be completed by EDF.

Highly Radioactive spent fuel rod storage and risk issue, 30,000 years highly radioactive. See also the Sizewell A cooling pond leak reports and the potential fuel fire risk at that time."

IN SUMMARY: THE ENVIRONMENTAL COST FOR SIZEWELL C IS TOO HIGH!

Please read the RSPB and Suffolk Wildlife Trust submissions which I 100% support.

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Additional Notes: -

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For EdF Nuclear:

Comparison to HPC

SWL C can in no way be compared to HPC. Financing is different, HPC has funding, although over budget by billions already which has helped classed EdF bonds as junk status and if it were not for the French Govt and CGN would have gone bankrupt long ago.

SWL C must be the worst planned project in the world, the DCO is a mess and who ever thought of placing it on top of unique and sensitive wetlands need professional help and retraining!

As for the local economy:

The "local" community is actually quite small in reality at Sizewell. The construction alone will bring 10-12 years of 700-1000/trucks per day onto the A12 and extra traffic to the A14 both already are prone to traffic incidents and congestion. Surrounding tourism will be decimated and I have seen forecasts of high job losses particularly among the local younger generation e.g. a loss of tourism trade figure in excess of £180m? /year in the immediate 'local; areas and a wider £700m? losses/year in what EdF says is local economy (1.5 hours drive). This ill thought-out large project would cause chaos and untold long term damage to the surrounding area. EdF continues to publish 'selective misleading greenwash' and EdF's wider SWL C publicity can be seen as being a very poor standard of unbalanced public propaganda.

Large nuclear is not helping anything. Just look at Hinkley Point C.

As one of the largest concrete construction projects in Europe creating several millions of tonnes of CO2 we can deduce that EdF are the single biggest business factor that will prevent us from reaching 2025 climate targets in construction and elsewhere. The CO2 can never be recaptured. Also the repayment terms through CfD amount to over £92billion over 35 years, index linked to 2012 strike price. So not only is this project creating, huge upfront CO2 it will divert tax and bill payers money away from true green energy for many years to come. What a

con by EdF!

Sizewell C would be even worse than HPC because of the untold permanent damage to the unique rare natural environment. I seriously question the sanity of EdF planners and strategists to even think that SWL C is a good idea

The concrete foundations will still be in existence at the next ice age according to the HPC chief civil Engineer, as quoted on BBC programme boasting how long the concrete will last.

No one has any ideas what future generations can do with all the radioactive concrete and spent fuel for the next 30 000 years? Take the profits and dump the legacy, nice ethics as usual by EDF. Nobody in their right mind should be promoting this environmental insanity. UK is a finite Island with abundant renewable energy.

EDF hasn't actually managed to get their design of the EPR reactor to work yet. Construction started 2005 at Olkivoto in Finland and Flammerville 3 in France construction started 2007, now looking as 2022 and 2023 earliest power up dates for each site respectively. Beset with expensive problems and NOT designed to the new post Fukushima standards because the French Govt. said they would rather spend money on renewables than modify the design. In 2020 French Energy Minister Élisabeth Borne announced the government would not decide on the construction of any newer updated design reactors until the much delayed Flamanville 3 started operation after 2022. Or in other words 2023 at the earliest.

HPC in the UK evidently appears to building a piece of old unproven technology which is not the most logical way to spend/risk £22,5+ billion of the eventual electricity bill and tax payers money. Nuclear is now looking to be 3 times more expensive than renewables per MWh at this rate... The UK is best placed to create jobs in renewables and storage, this is the sensible, quickest and less financially risky thing to do.

### Risks

Sizewell C, are humans really that insane to even consider this when Sizewell A secretively leaked 40,000 gallons of highly radiative waste from its spent fuel rod storage pond without any alarms sounding and was only spotted when a contractor saw water seeping into the laundry room whilst in there; this could have easily led to the fuel rods overheating and a nuclear fire. Sizewell B was leaking Ammonia last year and Dungeness and others are now closed due to corroded pipes in the safety systems. Please do not listen to the pre-conditioned biased insane greenwashing that comes from this polluting industry. No-one can provide figures for the immediate CO2 unrecorded UK carbon footprint at Hinkley Point C for all the concrete, steel, transportation, cranes, I must also mention the environmental cost of Uranium mining and chemical processing. EDF are very keen not to mention the real truths.

### Levelised costs

120MWh nuclear v 40MWh for renewables

Basically, the costs of nuclear keep going up and this is passed on to consumers and taxpayers via heavily subsidised untested projects like EDFs Hinkley Point C £23 billion and rising. Which in turn puts immeasurable immediate amounts of CO2 into the air from concrete and steel production, craneage etc, at a huge radioactive pollution risk for future generations. Gas with carbon capture would be better and meet all electricity demand needs and just think how much hydrogen from offshore wind can be made from a £23billion+ investment? Retro-fitting gas would also provide hundreds of thousands of jobs.

Ofgem pays nuclear to switch off:-

At long periods of reduced demand SWL B was paid to reduce to 50% power  
Recently: The Balancing of Service payments are quite unusual due to the reduced demand (down 20%) from last year. I hear EDF settled for a one off compensation payment (over £10 million???) it was still being negotiated a while back) to dramatically and urgently reduce Sizewell B output because it was overloading the Grid at the wrong times and at the wrong place. The thing is that it is not easy to switch radioactive Uranium Fission Reactions on and off, yet another problem with nuclear. In fact, the fission cores, after use, stay radioactive for thousands of years, yet more problems for future generations to deal with. EDF are effectively being paid to NOT use Sizewell

Environmental:-

And just about everyone else slated Sizewell C proposal for it's environmental insanity on ITV Anglia News the other night. 620 Acres of Area of Outstanding Natural Beauty (AONB) part of an SSSI all to be destroyed. N.B. It will be difficult if not impossible to ever restore even the huge but 'temporarily' concreted bits. Yes, along with the risk of more leaks like at Sizewell A, Note EDF always forget about real life facts and said on ITV Anglia news there has been no problems since 1966, again not convinced I believe what EDF says, OK then what about the 40,000 gallon leak of highly radioactive water from the spent fuel rod storage pond? Doesn't that count as a problem? Did it get secretly mopped up? plus it is way too expensive and at the wrong time to have any effects on UK CO2 commitments... Nobody trusts anything EdF says anymore, they find lying and greenwashing too easy.

Radioactive mistakes do not go away. A recent decommissioning in Scotland revealed that it is just more expensive nuclear legacy environmental radioactive mess to leave for future generations. You heard about the Dounreay site being declared unusable until 2333? This doesn't include the fuel rods (elsewhere) which may be radioactive for another 2000 years? say 4333? Will EDF be paying for the hundreds if not thousands of years of radioactive contamination that you will dump on future generations? Nuclear did it's job, It's time to move on... There are now plenty of other locations that are still to be added to the list of decommissioned sites.

Whilst I can understand the experimental excitement of the late 1950s we still haven't solved this issue after 65 years and the problem is always being passed along for the next generation to fix. Large, very expensive risky nuclear technology has now been surpassed, it did it's job. It's had it's day. It's now time to stop.

Many new exciting things are happening in renewables (wind, wave, tidal and solar), hydrogen (fuel cells, production and storage), batteries, super-capacitors, CHP, CCS, biomass and many more. The time is ready for a complete new start with so many ideas, joined up thinking with co-ordinated (co-operative) strategies and sane investments. There is plenty to do.

Time today to build a future that we can live with tomorrow.

The UK still needs to import unsustainable (finite resource) expensive Uranium which uses energy and chemicals after mining to process and produces mine tilling waste.

Importing and exporting energy with Europe is actually a good thing because we can balance the grids as the demand and supply curves differ.

Alternatives to more nuclear: -  
this is what we all should be doing: -

I hold the much broader view about the need for any new nuclear power going forward. It will be interesting to see how Hinckley Point progresses as I know there are many issues. Also EDF are now very dependant on a foreign new reactor design in kit form and associated supervisory and control equipment. New Build EDF have already been told by the CGN to not talk with EDF Energy about certain things (reported in newspapers), what's that all about? Will they eventually just not give you the latest user manual? Or that costs extra? HPC is not finished by a long way yet! EDF should not even entertain starting another project until HPC is working and the final budget is known. Note: Many other jobs are already being advertised daily in many other newer energy industries which probably have a more exciting future ahead of them.

It may even become the most expensive electricity in the world to produce. Will EDF force the grid to buy it for many years to come, against their own sense, in contracts? It is not fair business practice. EDF are forcing customers energy bills upwards! Note: Many other jobs are already being advertised daily in many other newer energy industries which probably have a more exciting future ahead of them.

We simply do not need anymore large nuclear! We do not need Sizewell C.

If we use Green Hydrogen (renewable energy derived) we instantly solve the grid power storage issue. Fuel cell stacks linked with cleaner, far cheaper renewables just make economic sense.

I logically and intuitively know this (Hydrogen with Inertia) is the direction and strategy that will move us forwards more rapidly to a network fit for the future and will not leave more problems for future generations to fix. We must do this today. New renewables and clean hydrogen will inevitably and have already started to create thousands of new jobs and opportunities as we know.

There are so many TRUE reasons why Sizewell C should be refused planning approval.

Yours sincerely  
D Watson

Sent from [Mail](#) for Windows 10

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**From:** [SizewellC](#)  
**Sent:** 29 April 2021 13:30  
**To:** [REDACTED]  
**Cc:** [SizewellC](#)  
**Subject:** RE: Objection to Changes

**Application by NNB Generation Company (SZC) Limited for an Order Granting Development Consent for The Sizewell C Project**

Your Ref: 20026834 (please quote in all future correspondence)

Dear David Watson

Thank you for your email.

Please note that your email will be placed before the Examining Authority as a Deadline 2 submission (Comments by registered Interested Parties only on any updated application documents and Changed Application documents). The submission will be published on the project page of the National Infrastructure Planning website following the close of the Deadline at 23:59 on 2 June 2021.

Kind regards

Georgiana Hannigan  
Sizewell C Case Team  
National Infrastructure Planning  
Helpline: 0303 444 5000  
Email: [Sizewellc@planninginspectorate.gov.uk](mailto:Sizewellc@planninginspectorate.gov.uk)

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Web: [www.gov.uk/government/organisations/planning-inspectorate](http://www.gov.uk/government/organisations/planning-inspectorate) (The Planning Inspectorate)

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**From:** David Watson [REDACTED]  
**Sent:** 28 April 2021 16:58  
**To:** SizewellC <[sizewellc@planninginspectorate.gov.uk](mailto:sizewellc@planninginspectorate.gov.uk)>  
**Subject:** Objection to Changes

Dear Wendy and PI Team

I have been trying to follow the ever changing SWL C project.

I see 15 more changes have been added on top of the previous ones.

I must strongly object to all these changes.

This project was clearly never planned properly in the first place.

The morality of EdF's actions on already destroying the Environment; already with Coronation Woods destruction, are beyond belief.

The morality of EdF's plans for further destruction and disruption in this important AONB is so pitiful as to be beyond words.

It is time to throw this project back at them!

All new investment should be going to renewable energy and not large nuclear and it's 25000+ years of highly radioactive waste and also leaving a large piece of radioactive concrete building by, in or under the sea.

This whole project should never even have be contemplated in the first place.

Thank you for reading..

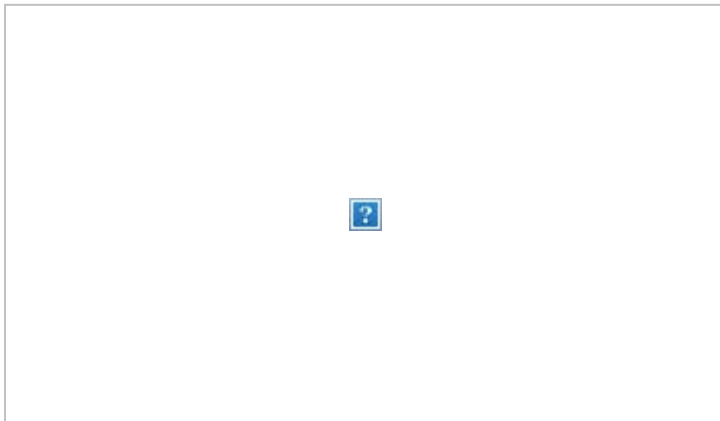
Best regards

David Watson  
Concept Design Engineer  
From Suffolk

Email: [REDACTED]

Sent from [Mail](#) for Windows 10

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