

WRITTEN REPRESENTATION

SIZEWELL C PLANNING EXAMINATION

SUBMITTED BY WAYNE JONES - RR 20026801

Deadline 5 Comments

Issue Specific Hearing 6 ... Coastal Geomorphology

Extra information supplied during the hearing as addendum to the Written Representation and some points that were not raised due to time constraints (discretion of examiner) .

- Present climate trends do not resemble any climate changes recorded in the last 10,000 years , but compare to increased industrial pollution , indicators of which are average temperature increase and calculated ice melt .**
- EDF's attempts to show future parameters by comparison with past experience are meaningless .**
- Predictive modelling does not 'predict' future outcomes , but merely provides a model into which parameters can be added as they become available .**
- Oceanic processes are under-researched . The effects on tidal range of ocean level rise is virtually unpredictable and requires further future measurement.**
- Storm surges are common around Britains coasts and are certain to become more severe in the coming decades .**
- Storm surges can last for 24 hours or more and storms with high sustained windspeed approaching , but not reaching , hurricane strength appear to have the most destructive wave action .**
- The December 26th 2013 Storm Erich proved extremely destructive to the coastline in Kerry , Ireland . It coincided with a period of astronomical high tides . Storm surges can straddle two periods of high tide because of the slowness of passing of the huge storm system associated with them . Kerry is usually more severe in it's weather events than West Wales and the Bristol**

Channel , and is therefore a good indicator of what might be forthcoming for GB coasts in the near to medium term .

- **Nuclear power stations are already at risk . 1981 December storm** In England, high tides combined with a **storm surge** resulted in extensive flooding and £6 million worth of damage along the **Somerset** coast of the **Bristol Channel**, with the highest water recorded in the Channel since the start of the century. Water entered the cooling water pump house of **Hinkley Point nuclear power station**, causing a shut-down for weeks after the storm.
- The 1706 inundation in Somerset , widely and until recently , thought to have been a tsunami , was more likely to have been a storm surge event , and the extremely high water mark recordings inland may well have been floodwater associated with rainfall that had no means of escape . This kind of event was comparable to the tail end of Hurricane Charley which caused water to flow over the top of bridges , rather than underneath them , in West Wales .
- Ex-hurricane Charley , 25 August 1986 , Rainfall records were broken in Ireland (e.g. 200 mm [7.9 in] in **Kippure**) with consequent flooding, up to 2.4 m (7.9 ft) in **Dublin**, and the storm also caused flooding in Wales and England.

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- **EDF plans for sea defences of it's two EPR sites will not be adequate to prevent massive inundation by sea water , or a combination of sea water and inland floodwater , during the expected lifetimes of operations of the site , I know this therefore they must know this . I therefore conclude that EDF's only consideration is economic on their own behalf and represents a disregard for the safety of the coastline and it's inhabitants in the foreseeable and unpredictable future .**
 - **It has been shown that both sites will become subject to sea erosion on two sides by ocean level rise , therefore increasing the potential for further erosion by extreme flooding and storm surge events , without the potential for remedial construction of defences . Events that pose a threat to the integrity of EDF's structures could happen regularly within a month-scale period of time , rather than as one off extreme events . This has been the experience of extreme storm activity .**
 - **For all these reasons and for those other reasons given in my Written Representation , I most emphatically oppose planning permission be given to EDF to start construction on the Sizewell C site , and request a further re-opening of the Hinkley Project examination , as I believe the planning process for that project to have been subject to inadequacies of purpose .**