

Re: "Nuclear energy 'not the solution to global warming"

Re: "Nuclear energy 'not the solution to global warming"

Source: <http://sci.tech-archive.net/Archive/sci.energy/2007-03/msg00260.html>

- *From:* "Alex Terrell" <alexterrell@xxxxxxxx>
 - *Date:* 30 Mar 2007 14:37:52 -0700
-

On 29 Mar, 08:17, xnich...@xxxxxxxxxxxx wrote:

UK Nuclear Power stations near coast: Studies were recently commissioned on this and there are sea defences in place. What's worrying though is James Hansen's latest paper "Scientific reticence and Sea Level rises", which I posted in sci.environment. This is suggesting that glacial meltdown could lead to "multi-meter" rises in sea level by the end of the century. BTW, the 1953 storm surge on the East Coast was almost like a Sunami and I have observed rapid erosion of that section of coast myself.

Even multi metre rises could be handled, though the full melt down scenario of tens of metres could be problematic.

Solar Power in UK: I can't see Solar Power stations happening, but actually Solar roof panels are quite common nowadays in Southern England. They're even available in D.I.Y stores. The problem being the time it takes to recoup the costs is 10-15 years. Personally, I don't understand why they're so expensive, when you can buy a 40" LCDTV for £1,000 - must be harder to manufacture surely?

That's why I said for hot countries. Even if the price falls, peak UK demand is in Winter evenings, so it doesn't help. On the other hand, in the UK, wind is positively correlated with power demand.

Whispergen: I think I've read about this somewhere. Is it that system from Australia that uses a fuel cell/heat exchanger? Remind us about it.

Re: "Nuclear energy 'not the solution to global warming"

Re: "Nuclear energy 'not the solution to global warming"

Powergen offer this. It's a turbine running on natural gas that can generate about 2KWe at about 20% efficiency. There are prototypes using fuel cells, but in this case, because electricity is effectively a byproduct of heat, efficiency is not so important. (Some non technical meaningless stuff here

<http://www.powergen.co.uk/Business/Technology/Technology-Whispergen.htm>)