

# Re: NEF claims more nuclear power is not way forward

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*Source:* <http://sci.tech-archive.net/Archive/sci.energy/2007-09/msg00104.html>

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- *From:* Bill Ward <[bward@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:bward@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 18 Sep 2007 10:32:37 -0700
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On Mon, 17 Sep 2007 22:20:10 -0400, T.Keating wrote:

On Mon, 17 Sep 2007 19:47:36 -0400, "daestrom"  
<[daestrom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:daestrom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote:

"T. Keating" <[tkusenet@xxxxxxxxxxxx](mailto:tkusenet@xxxxxxxxxxxx)> wrote in message  
[news:85use31bdn6gbn831u1tqd1sqhvmekbfls@xxxxxxxxxxxx](mailto:news:85use31bdn6gbn831u1tqd1sqhvmekbfls@xxxxxxxxxxxx)

On Tue, 28 Aug 2007 06:21:26 -0700, "EnergyForum.cc"  
<[fabian@xxxxxxxxxxxxxxxxxxxx](mailto:fabian@xxxxxxxxxxxxxxxxxxxx)> wrote:

Hello newsgroup members,

This might be of interest to someone:

An environmental think-tank in the UK, New Economics Foundation (NEF), has said that more nuclear power plants in the country is not the way forward for cutting carbon emissions from the power generation sector and reducing the consumption of imported fossil fuels because implementing a nuclear building programme will be slow, expensive and risky. Additionally, it will not have enough of an impact to prevent climate change nor guarantee energy supply security. According to NEF, the cost of building new nuclear reactors is actually triple what is being claimed by supporters of such plans.  
Source: Energy Business Review

Re: NEF claims more nuclear power is not way forward

There is a significant chance that our current nuclear reactor designs will enter into a class-9 meltdown phase after being subjected to a EMP attack. (google CRAC-2, "Calculation of Reactor Accident Consequences" ) .

I.E. Simultaneous failure of all power, measurement, electronic control, and cooling systems.

If this EMP pulse occurs in near space (altitude 200+ miles, just off the US east coast), we could have dozens of reactors entering into a simultaneous meltdown phase. Thus sealing the US's fate as a massively contaminated radioactive wasteland.

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr0933/sec3/020r1.html>  
Unfortunately.. this study was prepared(1982) before many electronic control, and monitoring system additions where made to many of these plants.

Unfortunately for your theory, the digital controls and other protective equipment at nuclear plants are used to keep the control rods 'out'. A failure of nuclear instrumentation systems, whether from EMP or dropped screw-driver in the works, results in the reactor scrambling and stopping the fission process. Digital control of the main turbine-generator is a non-issue as well. The small number of instruments actually needed to

Good luck, their will be no power.. Unintentional effects of the 1962 "Starfish Prime" detonation was to FUSE a number of vehicle starter motors. (~1300km away).

That's interesting. Do you have a cite for it?