

8/21/2015  
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Presentation at NRC Meeting in Amargosa Valley tonight.

I'm Gerhard Gran. 89 % of the Nye County population and I live in Pahrump. Numbers I'll give you may be approximate and without a range, making it easy for you to remember.

20 % of our US power is nuclear, produced in 66 stations, 99 reactors. Safety wise nuclear is #1. Solar is the worst, followed by coal. The nuclear stations have been off. Their power is sold for two cents/kWh engross. Think about that: **2 cents/kWh!** We're paying 11, 8.5 engross!

We live in the last of 5 rare ice age **periods**. In this one we have had 40 ice ages. They're 11 000 years apart, separated by warm periods. Ours is 11 600 years old. A new ice age is "imminent". The first 28 ice ages lasted 31 000 years, the latter 12 lasted 103 000 years each.

The sun determines the climate. CO<sub>2</sub> has no effect, none! All the lies about that are share nuts! Movie "The Global Warming Swindle" is available on the Internet! You'll find it via Google.

Our energy choices are extremely limited. We may burn all coal and natural gas first, making it tricky to produce steel, metals, cement for concrete, plastics and rubber ++. 5 years ago DOE said the world had coal for 108 more years from now. West in US we brag about eliminating our natural gas, wasting it producing electricity!

Our situation and problems won't go away, so let us act to remedy: Let's develop the safest possible nuclear steam generator and stop all coal and natural gas waste with them urgently. We need lots of steel for railroads south of the US glaciation line before the next ice age. Yucca Mountain is unique: Incoming groundwater is contaminated by 928 atomic bombs! Storage spills are not expected. If one occurs it will be **extremely** minor compared to **one** bomb fallout, let alone 928. Ground water flow speed is 6 mm per day, 13.6 miles in 10 000 years. Water with bomb fallout (not storage debris mind you) won't hit you quite yet!

By adopting the Yucca storage ++ we will get high level jobs. Additionally we will avoid paying \$ 100 billion for an idiotic alternate site!

As world population peaks at 9 billion, food production becomes lucrative. The next ice age makes food scarce as most of our corn belt vanishes. As oceans cool, CO<sub>2</sub> will drop towards 200 ppm, slowing plant and tree growth to a trickle. Lack of food will kill at least two thirds of us. This is why in addition to storing we should build power plants near Yucca, build membrane desalination plants to 0.5 % salts at the Pacific and further desalinate by evaporation along the Yucca line, providing water for desert food production, also here in Amargosa Valley!

Gerhard Gran, MSME, Pahrump, NV.

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