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Part 5 re Reliability and Climate issues pertaining to Diablo Canyon nuclear power facility

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To the CEC, CA Legislature, and to whom it may concern,

I notice that generally proponents of continuing operation of Diablo Canyon's reactors are fairly emphatic that the reactors MUST operate at least a certain percentage of the time. Well, sorry, this is the "real world" where "Murphy's Law" tends to generally prevail, and you cannot simply instruct complicated equipment to obey and keep operating because you want to run a reactor a certain percentage of the time.

Another "oops" example of Murphy's Law is that remember this is the same technology that is a site of a current battle between Ukraine and Russia at the largest nuclear power facility in Europe. Also note that there have been various calls for civil war in the USA, and it is known that right-wingers have flown drones over nuclear power facilities. Also, several countries in the world (including Russia, China, Iran, and others) could hack and melt down any nuclear reactor in the USA if they so wished.

Yes, Diablo Canyon is dependable in that we know that (whether or not the reactors are closed within the next 2 to 3 years) that there will be ongoing long-lived pollution in central California and the Pacific Ocean, and that genetic damage relating to radiation/radionuclide exposure is indeed dependable "and permanent!"

Have you ever heard the terms "catastrophe" and "suicide" related to any solar project "be it roof-top or a major installation in the desert or elsewhere? The reckless human race it looks like will be getting what its leaders collectively deserve "if our so-called leaders keep pandering to Investor-Owned Utilities which they are certainly stumbling over each other to do coming out of the pandemic or otherwise, and continue to be "all of the above" reckless in "choices" of modes of energy.

Please recall that in 2016, the "Diablo deal" was essentially the pro-PG&E position which would not force them to upgrade the cooling systems and instead operate until the end of their operating licenses in 2024 and 2025. This "Diablo deal" was endorsed by the CA Legislature. Just because likely covid-brains helping to make energy policy are falling for the nuclear industry p.r. does not mean that it is true. For one, the industry gives the impression that LOTS of reactors are longing to operate for a LOT longer. Even though many USA reactors have the permission to operate for many decades in the future, there is this little item called the "gap between theory and practice".

Congressional staffers may have swallowed the nuclear industry p.r. line, but at least worded the language so that a nuclear utility would need to prove that it was operating in a competitive market, and some other basic qualifications. But then it is clear that these IOUs often operate in a rigged market and do not meet the basic qualifications established by the language of the Bi-Partisan Infrastructure Act.

Speaking of nuclear industry p.r., I'm sure you have all heard (including very recently) that nuclear power is "carbon-free" and "emission-free". Nuclear power reactors emit RADIOACTIVE CARBON -14 !!! And just because most fossil fuel emissions relating to nuclear power facilities in the USA are occurring in Europe does not mean that the industry is "emission-free". But recent lavish bail-outs of the nuclear industry by Congress also include funding to "bring home" much of the dirtier parts of the processes involved with uranium mining, milling, enrichment, fabrication, etc. Thus the Biden Adm. at least in this regard would not be "centered" on achieving environmental justice, but would be specifically attacking many of the more densely populated indigenous communities in the Four Corners and Northern Plains states.

Not only are nuclear industry p.r. lackeys apparently instructed to "just lie" in regards to nuclear power being "carbon-free", "emission-free", and the "climate solution", but when one turns reality on its head with "Big Lies" not only in regards to claims to be climate-friendly, but also the ongoing lies by various parts of the industry (with some concerned environmentalists even unrealizing adopting some of their deceptive lingo) which use the term "CASK" or "DRY CASK" when they mean a thin "CANISTER" which is a mere one-half inch to 5/8 of an inch thick. (Some Areva company casks in Europe and beyond are contained by 17 inches of stainless steel.) And it doesn't take much pondering to think of two times in history where the Big Lie was adopted by world leaders. Hitler's propagandists often used the "BIG LIE" to turn reality on its head. And certainly one Donald J. Trump and his spokespeople tends to lie habitually, and to an extent they followed the path forged by Fox News which had been turning reality on its head since 1996. That's right "the BIG THREE !!! HITLER regime, TRUMP regime, and that CORPORATE WELFARE QUEEN for nearly 80 years " the NUCLEAR INDUSTRY!

Well, the industry got what they wanted with some \$6 billion of "civil nuclear credits" (as well as other subsidizing of the nuclear industry), but then they realize that the facility condition and where some utilities were focused would not be conducive to any or many applying for these "civil nuclear credits" (of which, of course, there is nothing "civil"). So the USDOE seems to be stumbling over itself to weaken its regulations which were part of the BIA in order to try to accommodate PG&E who is eyeing those "civil nuclear credits" to try to extend the life of their commercial nuclear reactors. Yet, the Diablo Canyon facility still does not qualify for such credits, so DOE and others are working to weaken the regulations even further.

Yep, you mustn't forget the nuclear industry is a corporate welfare queen with an

insatiable appetite for ratepayer and taxpayer funds for nefarious life-harming activities. And the more assurances that the taxpayers will pay for the various repair and construction activities, then the likelihood of major cost over-runs soar even higher! Also when considering if there is a limit to the nuclear industry's greed, note, for instance, that the construction of Diablo Canyon cost about twenty times more than theorized. Look at fairly new or under construction nuclear power facilities in Georgia and in Tennessee and you will note that they spend massive amounts of money and are taking even longer to build than it took to build the Diablo Canyon nuclear power facility!

As we may be heading to recession, we need to look after our dollars rather than lavishly dump it on the exact wrong entity. Bailing out the nuclear industry is both a subconscious death wish, plus is a major rip-off because the generated electricity is incredibly expensive! Please respect ratepayers and taxpayers. Where are all those "free market" people? Not only should there not be a limit on liability from nuclear accidents, but about 80 years of massive subsidies to that industry has mostly brought trouble. Taxpayer bailouts of the nuclear industry is "socialism" for the rich at its worst, and is a serious attack on the health of indigenous communities in the USA.

Because PG&E had been planning to shut down its Diablo Canyon reactors in the mid-2020s as scheduled, they may be choosing what plant components to repair and what to leave hoping that it will last two to three more years. Thus, there is a lot of "deferred maintenance" at Diablo Canyon, and a lot of regulatory hurdles even if some entities try to smooth the way to somewhat streamline it to assist the struggling sleazy Investor Owned Utility and corporate felon -- PG&E.

Seeing that decisions on nuclear issues has implications for even millions and billions of years (remember a half-life of a kind of uranium is 4 billion years "but relax, it won't be toxic, seriously, in 40 billion years, so see ya then!), it is time to keep close track as to who appointed whom, and who the backers of these legislators who are hoodwinked on nuclear issues.

I object to the DOE allowing utilities to apply for those civil nuclear credits even if they get subsidies from the state. Not only is bailing out poisonous companies a bad rule of thumb, but to allow the private utilities to "double-dip" with both federal and state taxpayer funds is improper! That is what is being proposed at Diablo Canyon -- including by Governor Newsom and others who supported the "Diablo deal" back in 2016 since it was generally advantageous to PG&E. Now the lure of free taxpayer funds has changed the scenario for those who have not done their homework, and thus the new BAIL-OUT PG&E position is to WEASEL OUT of the DIABLO DEAL with a new convoluted deal designed to help big boys while poisoning the cells of living beings on Planet Earth. And the CLIMAYE CLAIMS (like the "CASK" CLAIMS) are a LIE!

Reject this madness -- I think you may realize that the DEVIL / DIABLO is watching!

Sincerely yours,

Bruce Campbell