

**DOCKETED**

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## **No to Diablo Canyon**

*Additional submitted attachment is included below.*



August 15 2022

Governor Newsom,

CleanEarth4Kids.org asks you to shut down Diablo Canyon by 2025 as negotiated. Do not extend its license. We need a #CleanEarth4Kids, not a dangerous nuclear plant.

Diablo Canyon is a direct threat to human health and the environment. It is surrounded by 13 known fault lines, the "Pacific Ring of Fire" earthquake and tsunami zone. The Hosgri and Los Osos Faults are classified as both major and active by the United States Geological Survey (USGS).

The San Luis Range Thrust Fault runs directly under the plant and the Diablo Cove fault extends through the foundation and under the Unit One turbine generator and reactor containment vessel.

The Unit 1 reactor vessel, manufactured in 1967, is embrittled and has not had a mandated ultrasonic examination in more than twenty years. The underground pipes installed in the 1970s are subject to high pressure and cannot be inspected as needed.

Sitting on a bluff, Diablo Canyon is very vulnerable to a tsunami, just like the Fukushima plant in Japan. PG&E states it will survive a wave of up to 25 feet in height. The [wave](#) that hit Fukushima was 46 feet.

It is not a question of IF there will be a disaster at Diablo Canyon, it is when.

A disaster at Diablo Canyon would be catastrophic. Due to the plant's location and coastal winds, radiation could poison the Central Valley which provides over half of the fruits, nuts and vegetables grown in the United States. It could also contaminate the drinking water of cities like Los Angeles, San Jose, San Francisco and Fresno. Over 10 million people would be forced to leave their homes.

Radiation would also poison the surrounding marine life and fragile ocean ecosystems which Diablo Canyon is already hurting. As part of its operation, it uses 2.5 BILLION gallons of seawater for cooling in its highly destructive Once-Through Cooling (OTC) system which is no longer allowed in California. Diablo Canyon is a direct threat to your 30x30 initiative.

Another major reason Diablo Canyon must be shut down is [uranium mining](#) and processing which has decimated the land and water of native peoples who have been left with kidney failures, cancer and other conditions linked to uranium contamination. Nuclear power is NOT clean. It is NOT renewable and it is NOT carbon free. The mining, milling and enrichment of uranium into nuclear fuel is extremely energy-intensive as is the transport and storage of nuclear waste. But you won't

hear that from nuclear apologists and those with financial ties to the Diablo Canyon and the nuclear industry. And nuclear power is NOT cheap...it only exists because of massive state and federal [subsidies](#). No nuclear plant is profitable without public funding and financial support. Giving PG&E billions of dollars in state and federal handouts will do nothing, but increase their profits.

Utility-scale wind and solar farms take on average only 2 to 5 years, from the planning phase to operation. Rooftop solar projects are down to 6 months. The money would be better spent on clean, renewable power and storage, microgrids, heat pumps and building energy efficiency. Please look at the research done by Mark Z. Jacobson from Stanford on why [clean, renewable energy](#) is ready right now and why [nuclear](#) is a bad idea.

Nuclear power is dangerous and destructive and is not needed. Every dollar spent on nuclear is a dollar not being spent on clean, renewable energy. Shut down Diablo Canyon as planned.

Thank you,

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