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## **Keep Diablo Canyon Operating for a LONG Time**

Nuclear power is a great baseload source of electricity. It can operate at capacity factors of upwards of 90%, which is highly advantageous for stabilizing the price of electricity. Places that have closed nuclear power plants have generally seen increased prices following the closure and have needed to replace the generation with sources that emit carbon dioxide (which operation of nuclear power does not do, beyond the initial CO2 associated with construction and the very small amounts of CO2 associated with enrichment of the fuel and tiny bits associated with other maintenance items).

Do you think Germany has had regrets recently from prematurely closing excellently-operating non-emitting nuclear power plants? I would have to think they have. They've become far too reliant on Russia for gas, and have been put into an extremely awkward position in conjunction with the Ukraine invasion due to this reliance.

The single best way California can mitigate becoming overly reliant on outside entities for its energy/electricity needs is to KEEP DIABLO CANYON OPERATING. Beyond that, I would highly recommend that California begin taking steps to explore deploying advanced nuclear reactors beginning by the early-2030's timeframe following demonstration of the initial plant designs being funded by the DOE's Advanced Reactor Demonstration Program. That would be the far and away best way stabilize California energy costs over the long term, while protecting the air quality of the state.