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Diablo Canyon is Critical to Maintaining Grid Stability

Additional submitted attachment is included below.

From: [Alex McMahon](#)
To: [Energy - Docket Optical System](#)
Subject: Diablo Canyon is Critical to Maintaining Grid Stability
Date: Friday, August 12, 2022 1:21:23 PM

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Electricity underpins our modern society, we define and measure economic success and poverty directly and indirectly by energy access. All of the countries with the lowest quality of life have poor energy access and their economies struggle to grow. As a consequence their citizens have low standards of living, health, and education. So, while electricity might not directly educate or nourish people it indirectly is the limiting factor in those equations.

For electricity to be useful it must be stable and continuously available, this is the cornerstone of the modern electric grid. Not just that it delivers electricity but that it ALWAYS delivers electricity. When we don't have electricity everything is thrown into chaos and if left without long enough one could almost guarantee serious social issues.

While we don't face a continuous failure of the grid it seems extremely irresponsible to destabilize the grid by removing the Diablo Canyon Nuclear Power Plant. That is exactly what removing the Diablo Canyon plant will do, cause grid instability. Until other systems can be put in place to ensure grid stability, ideally with low or no carbon footprint, it would be a catastrophe to abruptly disable 9% of California's carbon-free base load electricity generation. Especially at a time when the use of high-power electric vehicles is rapidly increasing.

It's not just environmentally irresponsible, from an emissions standpoint, to close Diablo Canyon but it's technically and scientifically irresponsible to do so.

Please, be reasonable and ensure the Diablo Canyon plant stays open.