

DOCKETED

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Data Support Nuclear Generation Over Other Sources

Additional submitted attachment is included below.

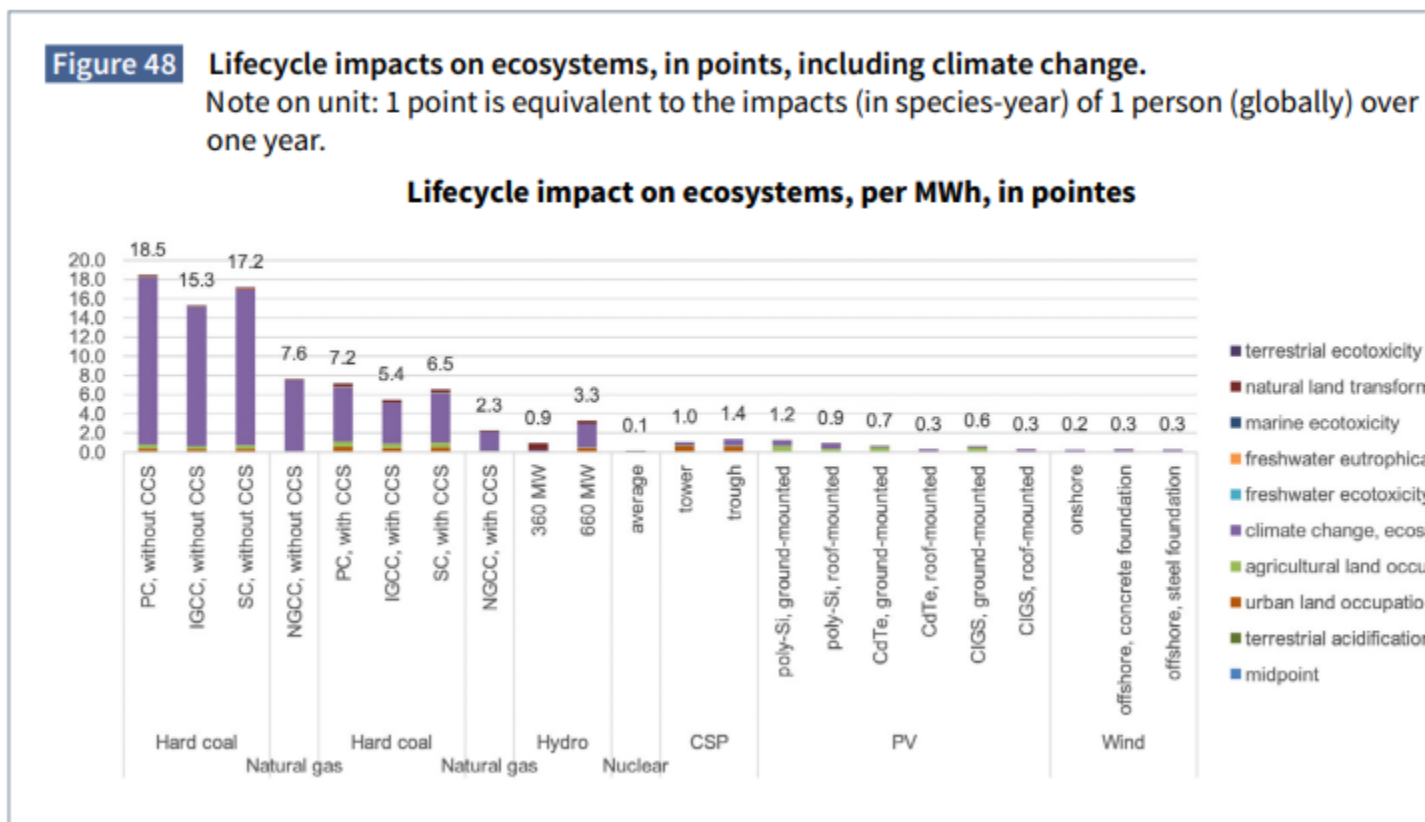
Data Support Nuclear Generation Over Other Sources

Thank you for seeking public input. However, many of the oral comments in the hearing showed commenters had been misled by, or preferred, the often conspiratorial assertions that pervade the anti-nuclear subculture. Fortunately, authoritative sources exist to help decision makers act in the rational best interest of Californians. I offer two in the hope of benefitting this conversation.

First, the NRC has accepted a body of work including peer reviewed studies addressing the several local faults. These show that the plant is already structurally able to withstand an earthquake ten-times as great as any shaking that the local faults can produce.

Secondly, all available generation technologies have been recently reviewed by the UN ECE. Their findings are available for download here:

<https://unece.org/sed/documents/2021/08/reports/life-cycle-assessment-electricity-generation-options>. Since ecosystem impacts were the lever used to get PG&E to accept the deal to close the plant, and every alternative has impacts, here is a comparative assessment of ecosystem impacts across available technologies showing that nuclear is the best alternative.



Similar tables for land use, GHG emissions, materials inputs, human health, etc. show the superiority of, or at worst parity of nuclear generation with the best alternatives across all parameters. These data together show there is no superior source of power generation compared to Diablo Canyon. Rather, that the alternatives have equal or greater externalities.

This is true even without accounting for the intermittency and need for storage associated with most alternatives. So there is no benefit in substituting for its generation, apart from transferring tax and ratepayer money to favored developers.

Please use the best available evidence, and plan to keep Diablo Canyon running for as many license renewals as the NRC determines are safe.

Thank you

PS this:

