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*Comment Received From: Paris Ortiz-Wines  
Submitted On: 8/11/2022  
Docket Number: 21-ESR-01*

## **Listen to the Science! Nuclear Energy is ESSENTIAL**

Dear California Energy Commission,

As an environmentalist, I implore you to not succumb to fear, but rather find comfort in the facts.

All leading climate organizations state that nuclear does and will continue to play a major role in decarbonization.

- In the latest IPCC WG3 Climate Report, it states that a 90% increase in nuclear capacity is needed by 2050 to limit the warming to 1.5 degrees.
- According to the UN Economic Commission for Europe, "nuclear power is demonstrably a source of electricity and a vital tool for successfully helping the world mitigate the effects of climate change."
- In a recent speech, Fatih Birol, The International Energy Agency's™ President affirmed, "to achieve the energy and climate goals, nuclear power production must double compared to today."
- In a report by the International Atomic Energy Agency, they found that nuclear power has made significant contributions to carbon avoidance in the past, and in order "to support the Paris Agreement 2°C goal, nuclear capacity must more than double the current level worldwide."
- In a summary by the World Economic Forum, they conclude, "nuclear technology could sustain the deployment of renewables, provide a stable and secure baseload and allow the planet to meet the necessary carbon-free targets set by the Paris Agreement."
- In 2021, the European Commission's™ research center, the JRC, conducted a report and found that there is no scientific evidence that nuclear power harms people and nature more than other energy sources - including wind and solar power.

California claims to be a climate leader and yet is denying the science with its current plan to prematurely shutter one of our greatest weapons to achieve decarbonization.

Here in the United States, our 94 nuclear reactors generated 52% of our zero-carbon energy. In our home state of California, our single nuclear plant generated 15% of our clean electricity. Nuclear energy is the backbone of our clean energy system and needs to be included in the climate conversation.

Shutting down Diablo Canyon would be to deny the science-based evidence that Nuclear energy is needed to succeed in deep decarbonization. Without Diablo Canyon, we will not succeed. Listen to the facts.

- Paris Ortiz-Wines

*Additional submitted attachment is included below.*

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Thank you for your consideration,  
Paris Ortiz-Wines