

**Diablo Canyon is**

**Ready  
to Retire**



**old  
unreliable  
dirty  
dangerous**

San Luis Obispo



P.O. Box 3608

San Luis Obispo, CA 93403

[mothersforpeace.org](https://mothersforpeace.org)



# Who are we?



- all-volunteer, local organization since 1969

- formed in opposition to Vietnam War
  - also opposed atmospheric testing of nuclear weapons





- filed as legal intervenors with the Nuclear Regulatory Commission in 1973 in opposition to Diablo Canyon

- also works on issues of peace, social justice, and a safe environment



# PG&E Flip-flopping on Diablo License Renewal

- PG&E applied for license renewal (LR) 2009
  - 15 and 16 years in advance
- PG&E signed Joint Agreement in 2016 to close; approved by CPUC in 2018
  - Justification: energy from Diablo would not be needed after 2024, given renewables
- Late 2022, PG&E announced it would again apply for LR for 20 year extension
- PG&E now predicts it will complete its application by Dec. 2023

# MFP and Allies Challenging LR

NRC



- Friends of the Earth - national organization; a party to the Joint Agreement with PG&E
  - Dropped its challenge to environmental and safety concerns when PG&E pledged closure
- Environmental Working Group
- Diane Curran, attorney specializing in NRC law, representing MFP, FoE, and EWG





Earthquake  
Hazards  
Remain  
NRC + CA

- Hosgri Fault discovered by oil geologists 1969, by PG&E 1973
  - classified by USGS as major, active
- Multiple other faults since identified
  - Shoreline Fault found in 2008, 30 meters from reactor

# Timely Renewal Challenge by MFP

NRC

- NRC has given PG&E an exemption to the Timely Renewal Regulation
  - License Renewal applications must be submitted to NRC at least 3 years in advance
  - Diablo Unit 1 only 13 months; not time for NRC to review safety factors



- MFP, FOE, EWG appeal to the U.S. Court of Appeals, Ninth Circuit

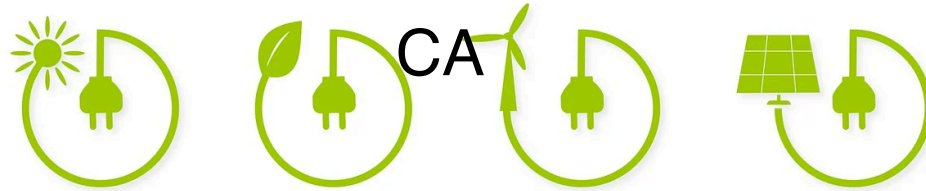
# Insurance Inadequate

- No private insurance company will take the risk of insuring homes, businesses, or property in the U.S. against radiation contamination



- Federal act – Price Anderson – insures for \$0.15 on the dollar given the value of property in SLO County as of 2023
  - Taxpayer money, not shareholder

# Nuclear Blocks Renewables on the Grid



- Nuclear plants can not load follow; no ramping up and down output to match demand for energy
- There is a limit to how much energy the Western Grid can accept
  - on sunny or windy days CA has to pay neighboring states to take its excess energy
- Renewable energy projects abundant; costs low
- CA battery storage has increased 20 times since 2019; 250 MW to 5,000 MW

# Energy from Diablo NOT NEEDED to Avoid Power Outages CA

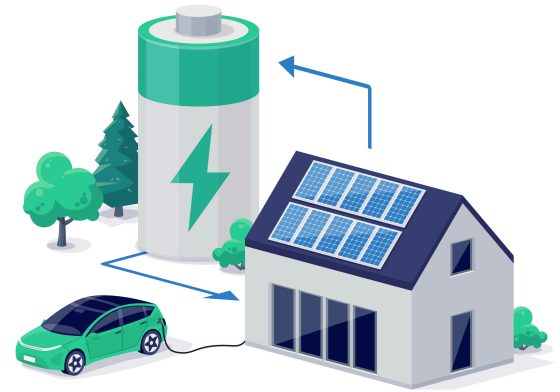
- Mark Jacobson, Stanford
  - *No Miracles Needed, How Today's Technology Can Save Our Climate and Clean Our Air*
- WWS = clean wind, water, solar energy and storage
- Matching energy demand with response can avoid blackouts



# More on Avoiding Power Outages

CA

- CA power outages in recent years happened or threatened only a few hours on a few exceptionally hot days
- Some solutions:
  - notifying customers to conserve during those hours was successful
  - uploading from solar roof-powered batteries or certain EV vehicles to the grid during need, leaving 20% of battery capacity for the battery owner (bidirectional charging)



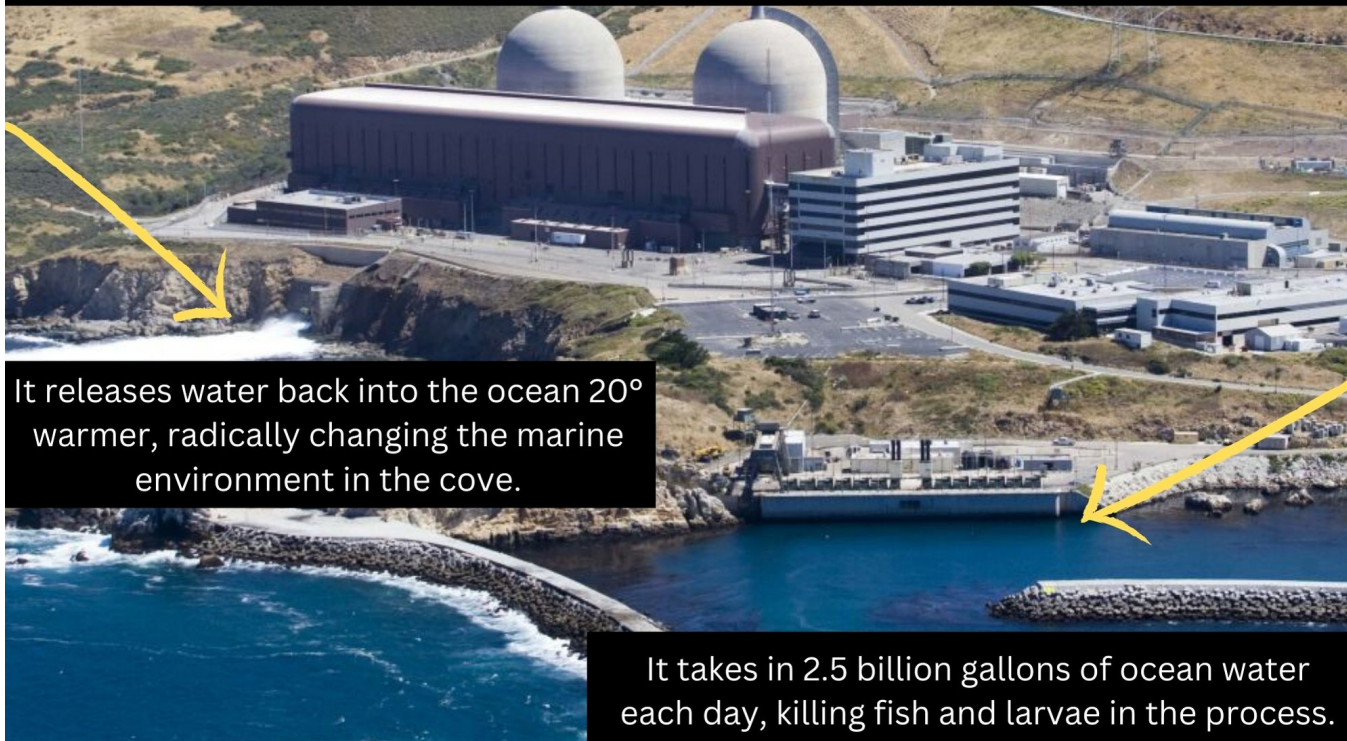
# PG&E Proposes Generation of More Highly Radioactive Spent Fuel at Diablo Canyon Without a Storage Plan



Mothers for Peace has requested a hearing with the NRC.

# Mothers for Peace, Friends of the Earth, and Environmental Working Group have challenged the California Water Resources Control Board's proposal to delay Diablo's compliance with the Clean Water Act

**Diablo Canyon's once-through cooling system has been called "California's largest marine predator" by the California Coastal Commission**



It releases water back into the ocean 20° warmer, radically changing the marine environment in the cove.

It takes in 2.5 billion gallons of ocean water each day, killing fish and larvae in the process.



# Resources for More Information



[mothersforpeace.org](http://mothersforpeace.org)

- 'Latest News'
- Search box
- Sign up for email alerts

Email

- [janeslo@icloud.com](mailto:janeslo@icloud.com)



Questions?

# THANK YOU!

- for inviting Mothers for Peace to present information
- for your courteous listening and insightful questions

This slideshow was prepared in June 2023

