SONGS Decommissioning Project

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Goal & Principles

Complete decommissioning in a safe, timely, transparent, & cost-efficient manner while maintaining high standards of environmental protection
San Onofre Plant History

- **Unit 1**
  - Online January 1968
  - Retired 1992, partially decommissioned

- **Units 2 and 3**
  - Online November 1983, April 1984
  - Retired June 7, 2013

- **Spent Fuel Storage**
  - Over 50 years
  - Dry Cask Storage since 2003
Making Progress

SONGS site map indicates types of work in progress

ACM = Asbestos-Containing Material
HAZ = Hazardous Material
Isolation = terminate water and electricity
Inside Containment Domes
At completion of the on-shore decommissioning work only the ISFSI, Switchyard, and seawall/walkway/rip-rap will remain
Spent Fuel Management
Independent Spent Fuel Storage Installation (ISFSI)

Orano-TN System
(50 spent fuel canisters)

Holtec System
(73 spent fuel canisters)

Provides Passive Dry Cask Storage for Spent Fuel While On Site
Safety and Technical Features of Passively Cooled Dry Cask Storage

93% of the dry fuel systems in the U.S. are seal-welded stainless steel multipurpose canisters designed for storage and transportation. [Source: StoreFUEL]
Storage Done Safely

- Ceramic uranium dioxide fuel pellets
  - Cooling since 2012
  - Requires 5,000 degrees F to melt
  - Decay heat of hottest fuel assembly comparable to hair dryer (~1500W)
- Sealed within corrosion-resistant zircaloy rods (“cladding”)
- Encased in stainless steel canisters pressurized with inert helium
Robust Canisters

- 5/8” Stainless Steel
- 316L for Corrosion Resistance
- Welds are Laser-Peened
- Seismic Rating: 1.5 g
- Inundation: 50-125 feet of water
- Service Life: 100 years+
Taking Action to Clear Site of Spent Fuel
A New Coalition

- A new coalition to catalyze action by the Federal government
- Go here to sign-up: spentfuelsolutionsnow.com
- Let your voice be heard
Webinar on International Best Practices

- 8-9 am Thursday, March 23
- Panel discussion representing
  - Finland
  - Sweden
  - Canada

- See “events” page on spentfuelsolutionsnow.com

Finnish Permanent Geologic Repository
Staying Informed

SONGScorinuity.com provides the following information:

- Community Engagement Panel meeting dates
- Public Walking Tour dates and sign ups
- Decommissioning blog and news updates
- SONGS Monthly Update Email
- Facebook, Twitter, YouTube, Instagram
Questions