

San Onofre Decommissioning Lessons Learned

Safety | Stewardship | Engagement

Decommissioning San Onofre Nuclear Generating Station

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SONGS Station Location

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SONGS Plant Detailed View



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SONGS Plant Detailed View

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Milestone Timeline

Decommissioning San Onofre Nuclear Generating Station

January 9, 2012	Unit 2 begins refueling outage
January 31, 2012	Unit 3 Steam Generator tube leak
June 7, 2013	Decision to retire Units 2 and 3
June 12, 2013	Certification of Permanent Cessation of Power Operations
August 2013	Transition to decommissioning staffing from 1500 to 600 people
September 2013	Focus on Initial Planning for Decommissioning <ul style="list-style-type: none"> Benchmarking, data gathering Project Teams - Cold and Dark, Independent Spent Fuel Storage Installation, Regulatory Submittals, Spent Fuel Pool Islanding Plant system draining and retirement

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Milestone Timeline

Decommissioning San Onofre Nuclear Generating Station

January 2014	20-Year Decommissioning Plan
February 2014	Decommissioning Principles
March 2014	First Community Engagement Panel Meeting Submitted Permanently Defueled Technical Specifications to NRC Submitted Permanently Defueled Emergency Plan to NRC
August 2014	Certified Fuel Handler Training approval
September 2014	Submitted Post-Shutdown Decommissioning Activities Report, Decommissioning Cost Estimate, Irradiated Fuel Management Plan to NRC
December 2014	Awarded Independent Spent Fuel Storage Installation contract

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Decommissioning Principles

With our co-owners, Southern California Edison is committed to:

Safety

- Safely decommissioning San Onofre
- Safely move the power plant's used fuel into dry cask storage, until government approved long-term storage options are available

Stewardship

- Leave the community better off
- Spending Nuclear Trust Funds wisely
- Return any unused money to ratepayers

Engagement

- Decommissioning process is inclusive, forward-thinking, involving diverse stakeholders

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Lessons Learned

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Lessons Learned

- Transition to decommissioning staffing
 - Quickly, with integrity and compassion
 - Change management, anticipate gaps due to rapid de-staffing
- Community engagement
 - Transparent, "plain English"
 - Broader use of experts – include all different perspectives
- Timely regulatory submittals
 - Environmental permitting

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Lessons Learned

- **Communication with the NRC**
 - Open and frequent communication with Region and Headquarters
- **Retirement of plant systems and equipment**
 - Prompt action to remove hazardous waste off-site
 - Down-powering of energized systems
- **Lack of clear regulatory guidelines**
 - Exemptions as process versus rule making

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Industry Decommissioning Actions

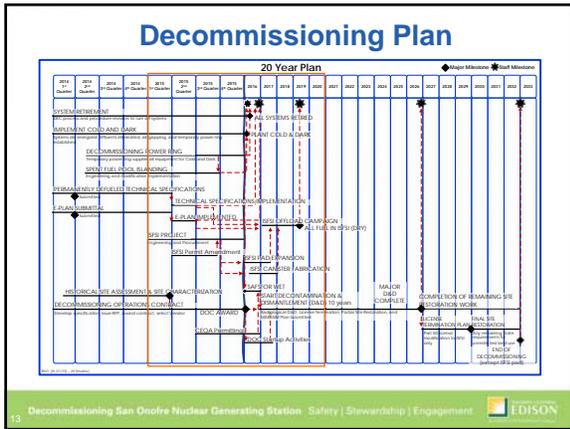
- **NEI Decommissioning Transition Task Force – Dec. 2013**
 - Provides guidance for regulatory issues
 - Interfaces with NRC staff to resolve issues and inform potential rulemaking
- **NEI Nuclear Generation Reorganization – Jan. 2015**
 - Creates organizational focus on all related issues including: Emergency planning, security, training and staffing, trust fund, insurance and used fuel
 - Scope will include all issues related to decommissioning
 - Recognizes impact of decommissioning decision and costs to operating fleets and owners

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SONGS Decommissioning Plan

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Questions

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