



# Decommissioning **San Onofre** Nuclear Generating Station

# Decommissioning Update

September 15, 2016

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Decommissioning  
**San Onofre**  
Nuclear Generating Station

# Decommissioning Principles

***Safety***  
***Stewardship***  
***Engagement***

***For more information on SONGS visit***  
**[www.SONGScommunity.com](http://www.SONGScommunity.com)**

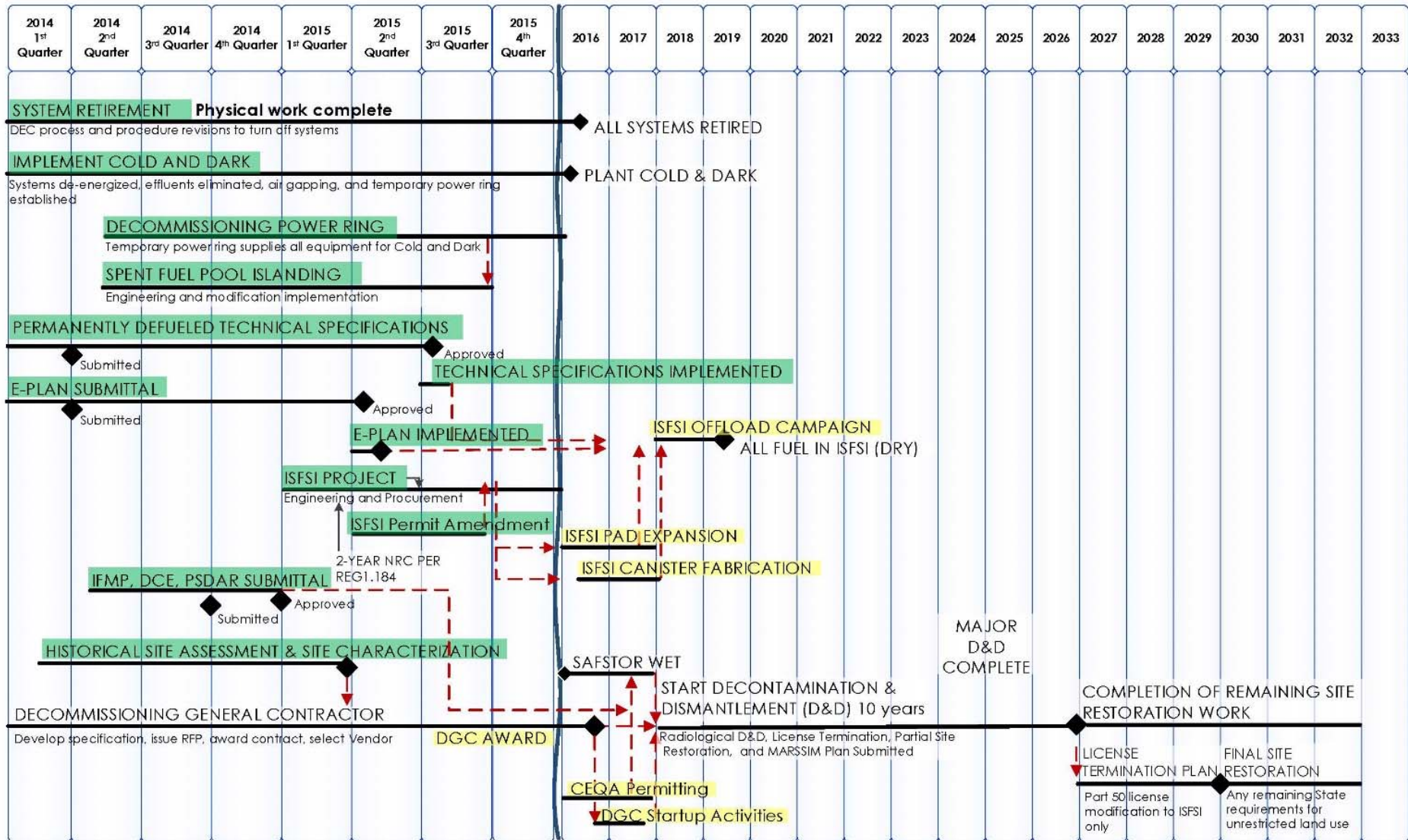
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# Decommissioning Plan

## 20 Year Plan

◆ Major Milestone

■ Completed Decommissioning Activities  
 ■ Critical Decommissioning Activities





Decommissioning  
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# NRC REVIEWS



Decommissioning  
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# NRC Licensing

Submittal	Status	Forecast Approval
License Amendment Request <b>Spent Fuel Pool cooling system</b>	Complete March 2016	Complete
Exemption Request <b>Records Retention</b>	Approved July 2016	Approved
Exemption Request <b>Offsite Insurance</b>	Submitted September 2015	4Q 2017
Exemption Request <b>Onsite Insurance</b>	Submitted October 2015	4Q 2017

# AREVA and Holtec Transportation Cask Licensing Status

SONGS Unit	Canister Model	Transportation Cask Certificate of Compliance	Cask Model	NRC License Status
Unit 1	<b>AREVA</b> NUHOMS 24PT1	71-9255	MP187	Approved
Units 2/3	<b>AREVA</b> NUHOMS 24PT4	71-9302	MP197HB	Approved
Units 2/3 fuel in wet storage	<b>Holtec</b> MPC-37	71-9373	HI-STAR 190	Application under review  <b>Approval forecast 1Q 2017</b>



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# SITE ACTIVITIES UPDATE

Decommissioning San Onofre Nuclear Generating Station Safety | Stewardship | Engagement



# Site Preparation Activities

- “Cold and dark” complete
  - Preparing site for safe decontamination & dismantlement
- System retirements complete
- Spent fuel pool cooling island in service
  - Use of chillers vs. ocean water for cooling



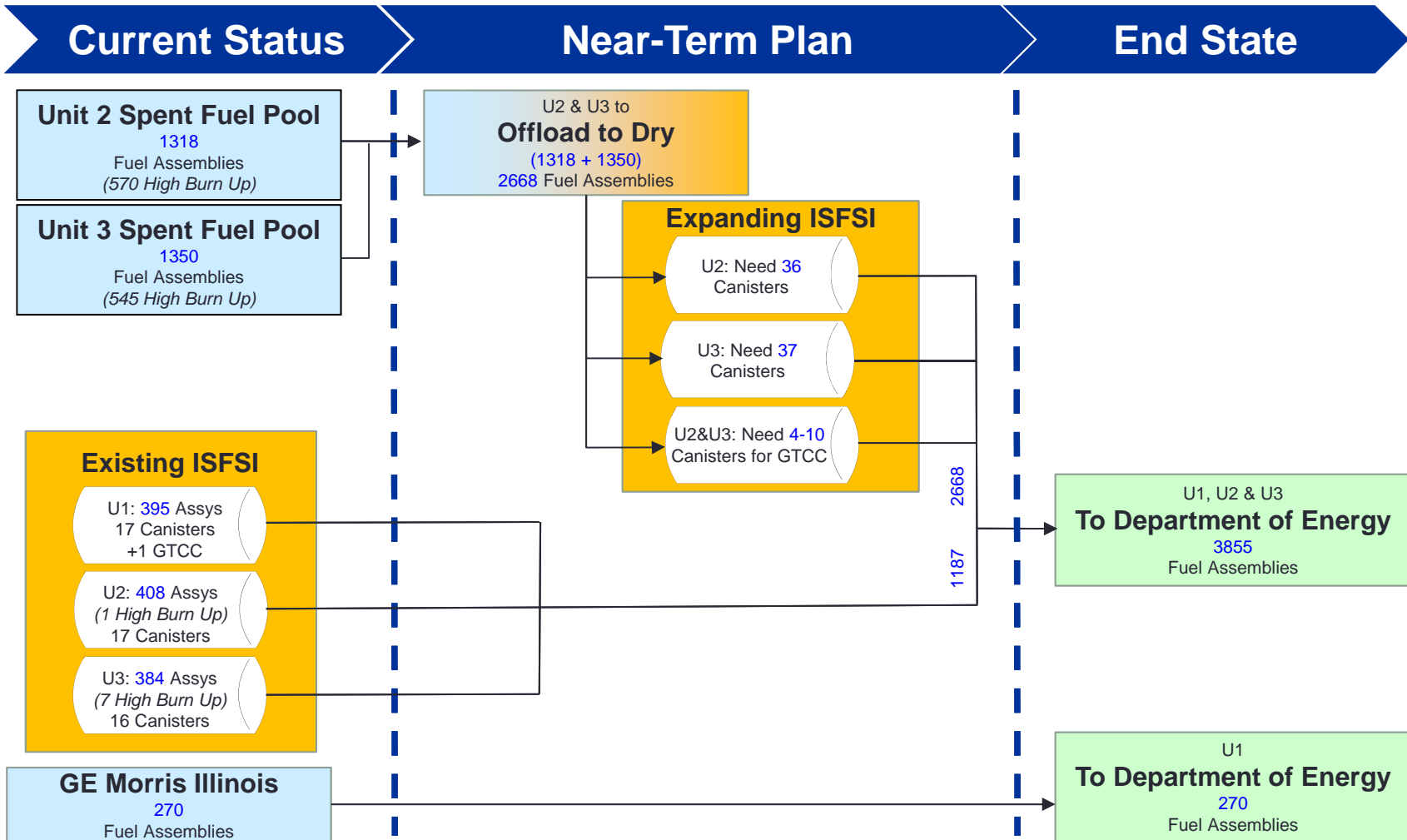


# Used Fuel Management Strategy

- Safely manage and store San Onofre's used nuclear fuel until it is removed from site
- Promptly offload fuel from pools to passive dry cask storage
- Recover used fuel storage costs from DOE
- Support all safe and reasonable options to remove used nuclear fuel from San Onofre site

# San Onofre Fuel Storage

## Assembly Count and Disposition Plan



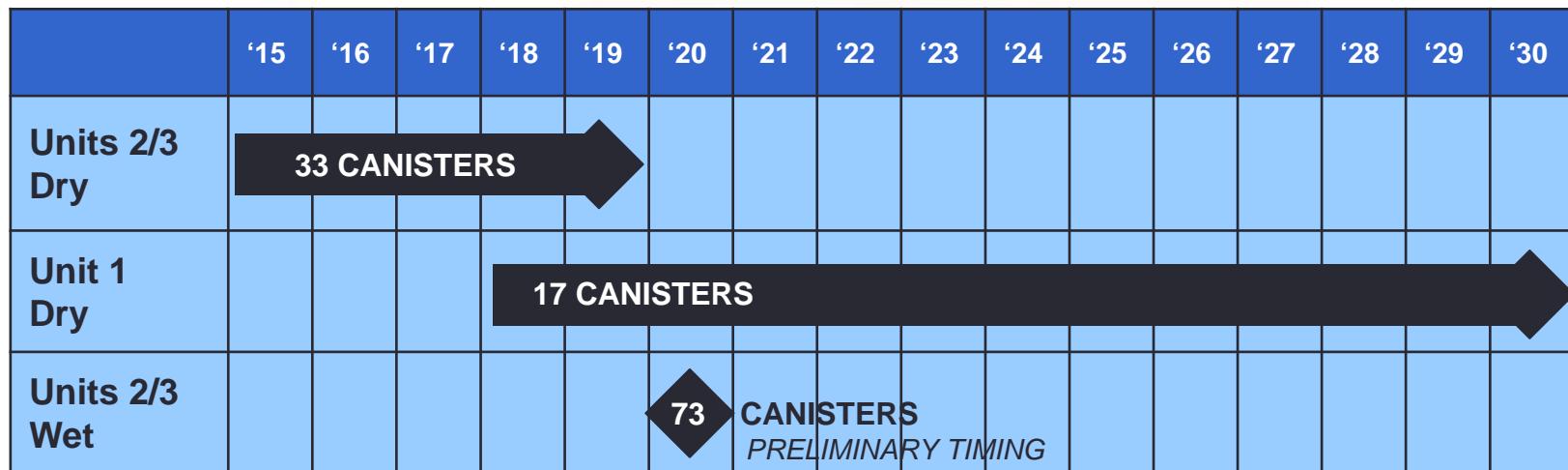
# Canister Selection Alternatives Analysis

	Maker	Cask Type	Active Cask Vendor in U.S.	General License Available	Store High Burnup Fuel	Licensed for Transport	Basket Length Adequate	Meet SONGS Seismic
1	GNS	Castor V/21	No	No	No	No	No	Unknown
2	GNS	Castor X/33	No	No	No	No	No	Unknown
3	West	MC-10	No	No	No	No	No	Unknown
4	Areva	TN-24	Yes	No	No	No	No	Unknown
5	NAC	NAC 128 S/T	Yes	No	No	No	No	Unknown
6	Areva	TN-68*	N/A	N/A	N/A	N/A	No	N/A
7	REA	REA-2023*	N/A	N/A	N/A	N/A	No	N/A
8a	Areva	TN-40	Yes	No	No	Yes	No	No
8b	Areva	TN-40HT	Yes	No	Yes	No	No	No
9	Areva	TN-32	Yes	Yes 72-1021	No	No	No	No

\* For boiling water reactors only

# Fuel Readiness for Transportation

- Transfer estimated at 10 years start to finish
- Some fuel qualified for transport now
- Other fuel qualifies over time





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# ISFSI Project Expansion

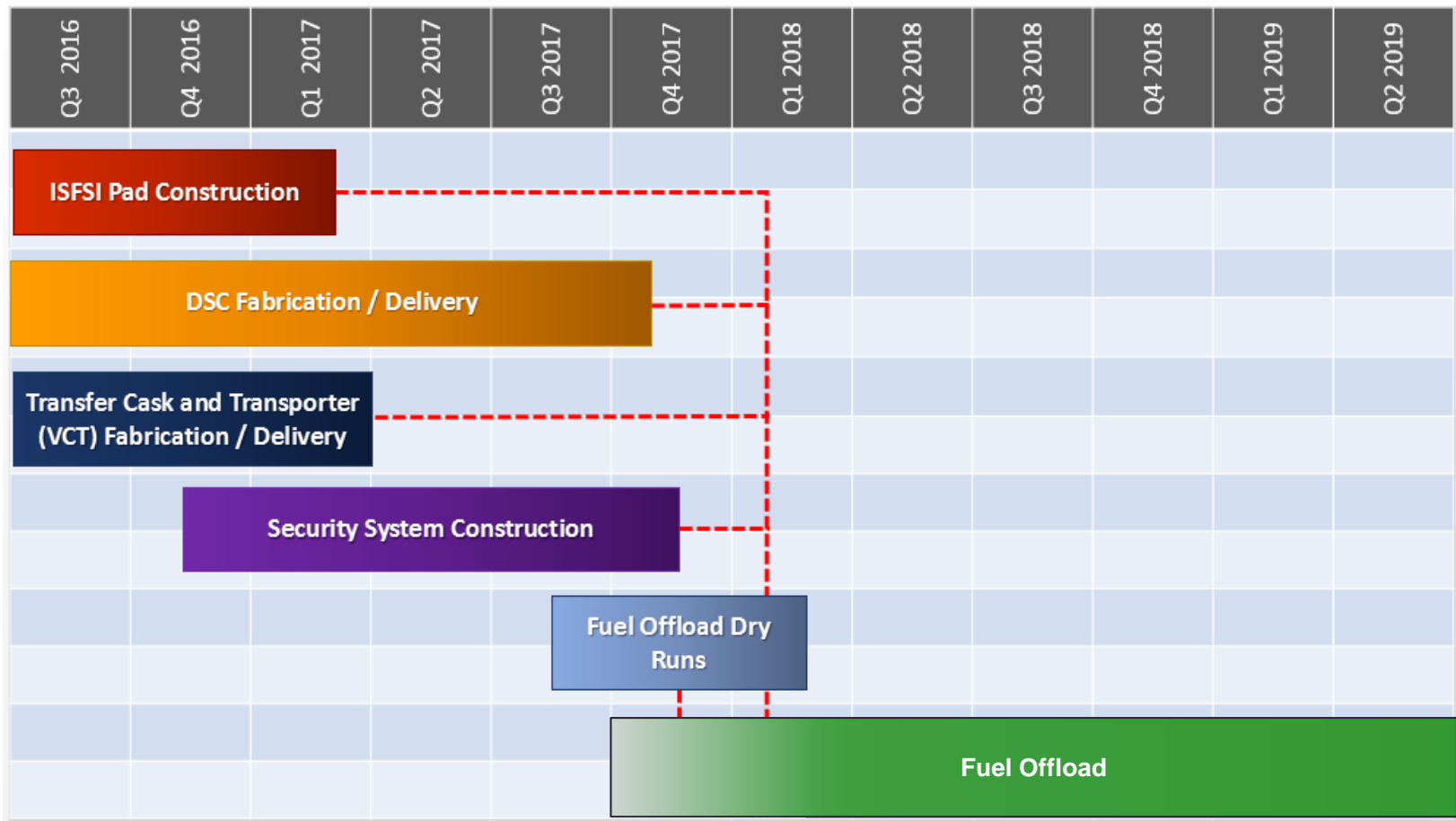


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# ISFSI Project Schedule



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# Offsite Storage Update

- Consolidated Interim Storage Initiatives
  - Waste Control Specialists (West Texas)
  - Holtec Eddy Lea Energy Alliance (New Mexico)
- Consent-Based Siting Public Meeting
  - Department of Energy in Washington DC today
  - Summarizing feedback on consent-based siting
  - Discussing next steps