

# Decommissioning San Onofre

**Nuclear Generating Station** 

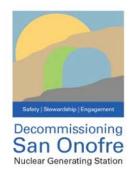
# Decommissioning Update

**February 16, 2017** 

Tom Palmisano

Vice President Decommissioning & Chief Nuclear Officer





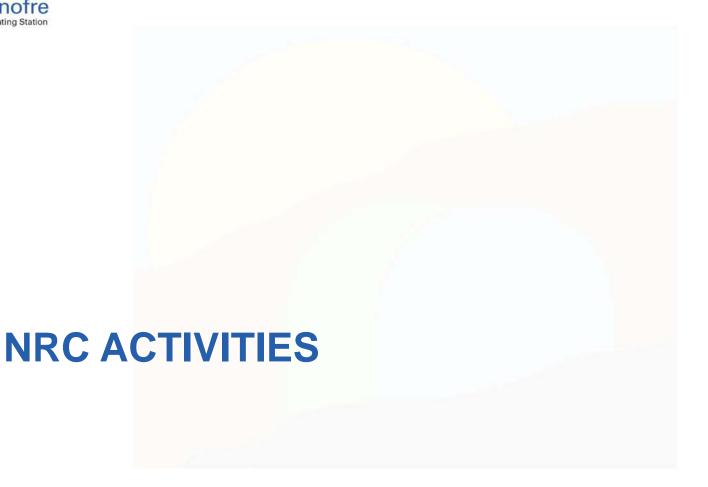
#### **Decommissioning Principles**

## Safety Stewardship Engagement

For more information on SONGS visit www.SONGScommunity.com











#### **NRC Submittal Status**

ltem	Submittal Status	Approval Status
License Amendment Request  Extend Cyber Security Program Milestone 8	Submitted June 16, 2016	Approved January 23, 2017
Exemption* Request Offsite Insurance	Submitted September 2015	Forecast 2Q 2017
Exemption* Request Onsite Insurance	Submitted October 2015	Forecast 2Q 2017
ISFSI Only License Amendment Request Tech Specs, Emergency Plan, Security Plan	Submitted December 2016	Forecast 2Q 2018

<sup>\*</sup>Exemption is how the NRC currently handles a change in the regulatory status for decommissioning plants

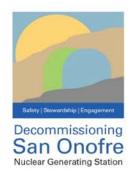




## 2017 NRC Inspections

Inspection	Date	Findings
1 <sup>st</sup> QTR Decommissioning	Jan 30 – Feb 2	No violations
Ongoing ISFSI Construction Inspections	April 3-4 (next inspection)	No findings to date from previous inspections
Security Access Control	April 17-21	-
2 <sup>nd</sup> QTR Decommissioning	May 22-25	-
3 <sup>rd</sup> QTR Decommissioning	August 28-30	-





## SITE ACTIVITIES UPDATE

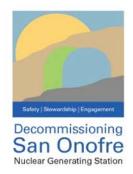




## **ISFSI Project Expansion**

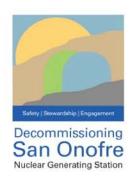




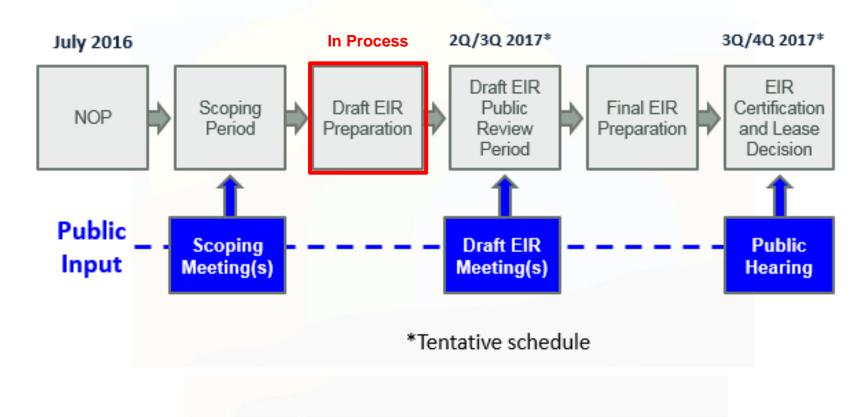


## CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) UPDATE





## **Environmental Impact Report State Lands Commission Process**





## Decommissioning San Onofre

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## Decommissioning General Contractor

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## Decommissioning General Contractor (DGC) Selection

- Major decommissioning work to be performed by 3<sup>rd</sup> party decommissioning contractor (DGC)
- SONGS Decommissioning Solutions selected as DGC via competitive bid process
- Joint venture of AECOM and Energy Solutions





# Decommissioning San Onofre

**Nuclear Generating Station** 

# SONGS Decommissioning Solutions (SONGS DS)

February 16, 2017 Matt Marston

Senior Vice President, Operations



#### **AECOM**

- Union of AECOM and URS created unique contractor with integrated project services
- project management
- planning and permitting
- engineering, design, procurement
- construction and D&D
- Engineering News-Record 2015
- #1 Top Design Firms
- #2 Top 200 Environmental Firms
- #2 Top 50 Program Managers
- #7 Top 400 Contractors Overall
- Past Performance relevant to SONGS
- Reactor head and steam generator replacement projects such as Diablo Canyon and St. Lucie



### SONGSDS

## Predictability in Outcome

Safety certainty
Regulatory certainty
Cost certainty
Schedule certainty

Only 1

licensee decommissioning first U.S. two-unit nuclear power facility

5

commercial nuclear power License Termination Plans

34

large component replacement projects

200,000,000

ft3 LLW disposed at owned disposal sites

>25,000,000

ft2 nuclear facility D&D



- Largest U.S. nuclear waste company
- Privately-owned rail/trucking, logistics, processing, and disposal facilities
- Fleet of over 1,000 railcars and 2,500 bulk containers
- Regulatory-aligned waste perspective from experience as licensee at Zion
- Timely Past Performance relevant to SONGS
- SONGS Decommissioning Cost Estimate
- SONGS Radioactive Waste Management
- Zion Nuclear Station, licensee for full scope D&D







- Key personnel who have over 350 years of combined nuclear experience and 250 years combined nuclear D&D experience
- Experienced executive leadership team
- A seasoned team skilled in transitioning operations to D&D
- A proven low-profile D&D approach that completes the project safely, compliantly, and within 10 years
- Holder of 10 CFR 50 License at Zion

Superior safety record

**A**ECOM

EMR - 0.47 OSHA - 0.75

ENERGYSOLUTIONS EMR - 0.66 OSHA - 0.65



