SONGS Decommissioning Update

Doug Bauder
Chief Nuclear Officer and VP Decommissioning
Decommissioning Update Topics

- Decommissioning plan
- Seismic safety at San Onofre
- Environmental permitting
- Strategic Plan
Decommissioning Plan

Subject to Change

Pre-Decommissioning Work
Fuel in Wet & Dry Storage
CEQA Review

Major Decommissioning Work
All Fuel in Dry Storage

Complete Transfer of Fuel from Wet to Dry Storage
ISFSI-only NRC Requirements Implemented
NRC Partial Site Release
Future milestones are tentative

Transfer Fuel Offsite (Actual Timing Pending Offsite Storage Facility)
NEPA Review
Substructure Removal & Site Restoration
ISFSI Demo
Terminate NRC License
SEISMIC SAFETY AT SAN ONOFRE
SONGS Seismic Design

- July 5 Ridgecrest earthquake raised questions among members of the public regarding SONGS’ seismic design
  - Quake was 0.57g peak ground acceleration (PGA) near epicenter, 0.015 g near SONGS
- For SONGS, the largest potential seismic interaction is from the Newport Inglewood/Rose Canyon (NI/RC) fault system
- Plant designed to withstand PGA of 0.67g
- Dry cask storage systems including canisters designed to withstand 1.5g PGA, double the plant
- CA code requires nearby buildings to withstand 0.38g PGA
Research Findings

• Seismic research required by California Energy Commission completed by Scripps in 2017

• Earthquakes
  – Hypothesized Oceanside Blind Thrust (OBT) not supported
    • Structures found consistent with strike-slip fault
  – If all segments of the NI/RC rupture, could generate up to 7.3 or 7.4 magnitude earthquake
    • Less than magnitude 7.5 in latest SONGS seismic hazard analysis
ENVIRONMENTAL PERMITTING
Two state permits required to start decontamination & dismantlement

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<thead>
<tr>
<th>MILESTONE</th>
<th>TIMING</th>
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<tr>
<td><strong>Final Environmental Impact Report (EIR) and lease certified by CSLC at public meeting</strong></td>
<td>Approved March 21, 2019</td>
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<tr>
<td><strong>Coastal Development Permit (CDP) application for onshore work from CCC to be considered at public meeting in Newport Beach</strong></td>
<td>Agendized Sept 12, 2019</td>
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Offshore work requires a CDP from CCC with a public meeting anticipated mid-2021
SONGS STRATEGIC PLAN
SONGS Strategic Plan to Remove Spent Fuel

- North Wind Inc. selected to develop Strategic Plan (SP)
  - Strategic Plan will identify and advance alternatives for offsite storage
  - North Wind team members here today
    - Phil Niedzielski-Eichner – Project Director
    - Elizabeth Helvey – Project Manager
    - Brian Gutherman – Team Member
    - Mary Woollen – Team Member
  - Work to continue through year-end 2020
  - North Wind and Experts Team will update CEP at future meeting