



Diablo Canyon Decommissioning Engagement Panel Meeting

| | | | |
|--------------------------|---|---------------------|--------------|
| Date/Time: | 6-27-18 / 6:00 PM – 9:30 PM | Facilitator: | Chuck Anders |
| Meeting Location: | 1055 Monterey Street, SLO; County Government Offices | Recorder: | Brandy Lopez |
| Webcast: | www.slo-span.org | | |
| TV Broadcast: | Channel 21 (Charter) | | |
| AGENDA | | | |
| Purpose: | Receive information from PG&E on the DCPD decommissioning process/timetable and provide direct input to PG&E on behalf of the local community. | | |
| Desired Outcomes: | <p><i>By the end of today's meeting, The Panel will:</i></p> <ul style="list-style-type: none"> • Understand the decommissioning project's regulatory, planning and execution processes; • Provide comments and ask questions after each presentation; • Review public outreach metrics; • Conduct multi-channel public comment process (written, digital, verbal, online options); and • Record actions and evaluate the meeting. | | |

| Item # | What – Content | Action Path | Who | Target Start Time |
|--------|---|--|----------------------|--------------------|
| 1. | Open House - Poster Session (Q & A) | <ul style="list-style-type: none"> ▪ Inform ▪ Discuss ▪ Record comments | All | 6:00 PM |
| 2. | Safety Minute (911, AED, CPR) | <ul style="list-style-type: none"> ▪ Consensus | PG&E | 7:00 PM |
| 3. | PG&E welcome and opening remarks | <ul style="list-style-type: none"> ▪ Present | Franke | 7:03 PM |
| 4. | Panel Introduction | <ul style="list-style-type: none"> ▪ Present | Anders/Panel | 7:08 PM |
| 5. | Review Meeting Agenda, Introduction of Decommissioning Topic, and Desired Outcomes | <ul style="list-style-type: none"> ▪ Present | Anders | 7:13 PM |
| 6. | Regulatory overview <ul style="list-style-type: none"> ▪ Presentation ▪ Panel question and responses | <ul style="list-style-type: none"> ▪ Present ▪ Discuss | Toy Panel/PG&E | 7:18 PM 7:26 PM |
| 7. | Planning overview <ul style="list-style-type: none"> ▪ Presentation ▪ Panel questions and responses | <ul style="list-style-type: none"> ▪ Present ▪ Discuss | Nelson Panel/PG&E | 7:36 PM 7:44 PM |
| 8. | Approvals and future state overview <ul style="list-style-type: none"> ▪ Presentation ▪ Panel questions and responses | <ul style="list-style-type: none"> ▪ Present ▪ Discuss | Jones Panel/PG&E | 7:54 PM 8:02 PM |
| 9. | Project execution overview <ul style="list-style-type: none"> ▪ Presentation ▪ Panel questions and responses | <ul style="list-style-type: none"> ▪ Present ▪ Discuss | Sharp Panel/PG&E | 8:12 PM 8:20 PM |
| 10. | Break | <ul style="list-style-type: none"> ▪ Discuss | All | 8:30 PM |
| 11. | Review of Public Comment and Metrics | <ul style="list-style-type: none"> ▪ Present | Anders | 8:40 PM |
| 12. | Public Comment (Comment Slip Closed at 8:00 p.m.) | <ul style="list-style-type: none"> ▪ Discuss ▪ Record | All | 8:45 PM |
| 13. | Panel discussion and actions | <ul style="list-style-type: none"> ▪ Discuss ▪ Record | Panel/Jones | 9:15 PM |
| 14. | Introduce next meeting topic (Costs of Decommissioning | <ul style="list-style-type: none"> ▪ Present | Jones | 9:20 PM |
| 15. | Meeting Summary and (+/Δ) | <ul style="list-style-type: none"> ▪ Discuss ▪ Record | Anders | 9:25 PM |
| 16. | Adjourn Meeting* | <ul style="list-style-type: none"> ▪ Action | Anders | 9:30 PM |
| | *PG&E staff will remain on-premises after the meeting to answer additional questions | | | |

| Meeting Evaluation | |
|--------------------|---------|
| Plus + | Delta Δ |
| 1. | 1. |
| 2. | 2. |
| 3. | 3. |

| Action Items | | |
|--------------|-------|----------|
| Description | Owner | Due Date |
| | | |
| | | |
| | | |
| | | |
| | | |



Diablo Canyon Decommissioning Engagement Panel

1055 Monterey St.
San Luis Obispo
County Government Building

June 27, 2018

Safety Moment



AED



CPR



Call 911



Meet and Guide
Emerg. Personnel



Evacuation
Plan



Earthquake
'Duck, Cover, Hold'



Active Shooter
'Get Out, Hide Out,
Take Out, Call Out'

Welcome from Jon Franke

PG&E Vice President of Power Generation

June 27, 2018



Together, Building
a Better California

Diablo Canyon Decommissioning Engagement Panel



Agenda Review

Wednesday, June 27

| | | |
|-----------|---------------------------------------|----------------------------|
| 1 | Regulatory Process | Deanna Toy / Panel |
| 2 | Planning | Eric Nelson / Panel |
| 3 | Approvals & Future State | Tom Jones / Panel |
| 4 | Project Execution | Loren Sharp / Panel |
| 5 | Break (8:30 PM - 8:40 PM) | All |
| 6 | Review Public Comments | Chuck Anders |
| 7 | Public Comment Session | All |
| 8 | Panel Discussion & Actions | Panel / Tom Jones |
| 9 | Next Meeting Topic | Tom Jones |
| 10 | Meeting Summary/Evaluation | Chuck Anders |
| 11 | Adjourn (9:30 PM) | Chuck Anders |

Tonight's Presenters

Wednesday, June 27

| | | |
|----------|--|-------------------------------------|
| 1 | Deanna Toy PG&E Director, CPUC Electric Proceedings | Regulatory Process |
| 2 | Eric Nelson PG&E Director, Diablo Canyon Decommissioning | Planning |
| 3 | Tom Jones PG&E Director, Strategic Initiatives | Approvals & Future State |
| 4 | Loren Sharp PG&E Sr. Director, Nuclear Decommissioning | Project Execution |

Decommissioning Regulatory Process

Deanna Toy
June 27, 2018



Together, Building
a Better California

What is the CPUC?

California Public Utilities Commission (CPUC)



- Regulates services and utilities, safeguards the environment, and assures access to safe and reliable utility infrastructure and services

California Nuclear Facility Decommissioning Act of 1985

- Utilities to establish tax-qualified nuclear decommissioning trust funds (NDTF)
- CPUC reviews nuclear decommissioning (ND) cost estimates and assumptions periodically

Nuclear Decommissioning Cost Triennial Proceeding (NDCTP)

- Established by CPUC to examine ND issues
- Filed every three years
- Establishes annual revenue requirement for ND expense over a three-year period
- Previous NDCTP for Diablo Canyon was filed in March, 2016; next NDCTP will be filed in March, 2019

What is in the NDCTP?

NDCTP includes:

- Decommissioning cost estimate (DCE) and updated assumptions
- Review of decommissioning projects completed since previous NDCTP filing
- NDTF rate of return assumptions and funding requirements



NDCTP Process & Example Timeline



*Scheduled for 2015 NDCTP application

Decommissioning Regulatory Process

- There is a robust and transparent CPUC process to ensure there is adequate funding for decommissioning Diablo Canyon Power Plant

Thank you

Deanna Toy

Deanna.Toy@pge.com

Panel Questions & Responses

Decommissioning Planning

Eric Nelson
June 27, 2018



Together, Building
a Better California

Site-specific decommissioning cost estimate development

- PG&E's preferred approach is DECON over SAFSTOR

“Bottom up” approach

- Industry subject matter experts
- Third-party reviews
- Engagement panel and public input

DECON: immediate dismantlement
SAFSTOR: deferred dismantlement

2018 NDCTP approval results in:

- Detailed project descriptions for permitting
- Proceeding with Nuclear Regulatory Commission (NRC) licensing efforts

2021 NDCTP

- Updated with available results of licensing, permitting, and repurposing approvals

2024 NDCTP

- Last update prior to licenses expiring
- Will include results from issued permits (e.g., permitting conditions) and licensing approvals

Decommissioning planning

- PG&E is engaging the public, the industry, and third-party reviews to build a successful decommissioning plan
- After the 2018 NDCTP, two additional NDCTPs will be filed ahead of license expiration, which will allow us to update the plan and cost estimate
- PG&E's preferred approach is DECON

Thank you

Eric Nelson

Eric.Nelson@pge.com

Panel Questions & Responses

Decommissioning Approvals & Future State

Tom Jones
June 27, 2018



Together, Building
a Better California

California Environmental Quality Act (CEQA) objectives

- Provide information to the public agencies and decision-makers
- Identify ways to avoid or reduce through alternatives and mitigation
- Environmental Impact Report (EIR): CEQA document used to communicate potential impacts, alternatives, and mitigations to the public
- Public participation occurs throughout CEQA process

California Coastal Act

- California Coastal Commission (CCC) was established in 1972 by voter initiative
- 1976 Coastal Act tasked the CCC to protect coastal resources, including public access
- SLO County has a Local Coastal Program (LCP) certified by the CCC
 - Coastal Development Permit (CDP) authority transferred to local government
 - CCC retains original permit jurisdiction over tidelands, submerged lands, and public trust lands

Project-level analysis

- Addresses project-level impacts associated with the proposed project with a high degree of specificity
- Requires a detailed project description (construction-level) for various aspects and logistics of the entire project
- After certification of the EIR by the lead agency, subsequent permits for the project may be obtained
 - SLO Air Pollution Control District permits to operate / authority to construct
- Permits must be found consistent with EIR

Program-level analysis

- Considers broad policy alternatives and program-wide mitigation measures
- May not address site-specific impacts of individual projects
- Used when only a conceptual framework for project details is available
- Subsequent CEQA documents and CDP submittals may be required as specific project details are formulated

Important Considerations

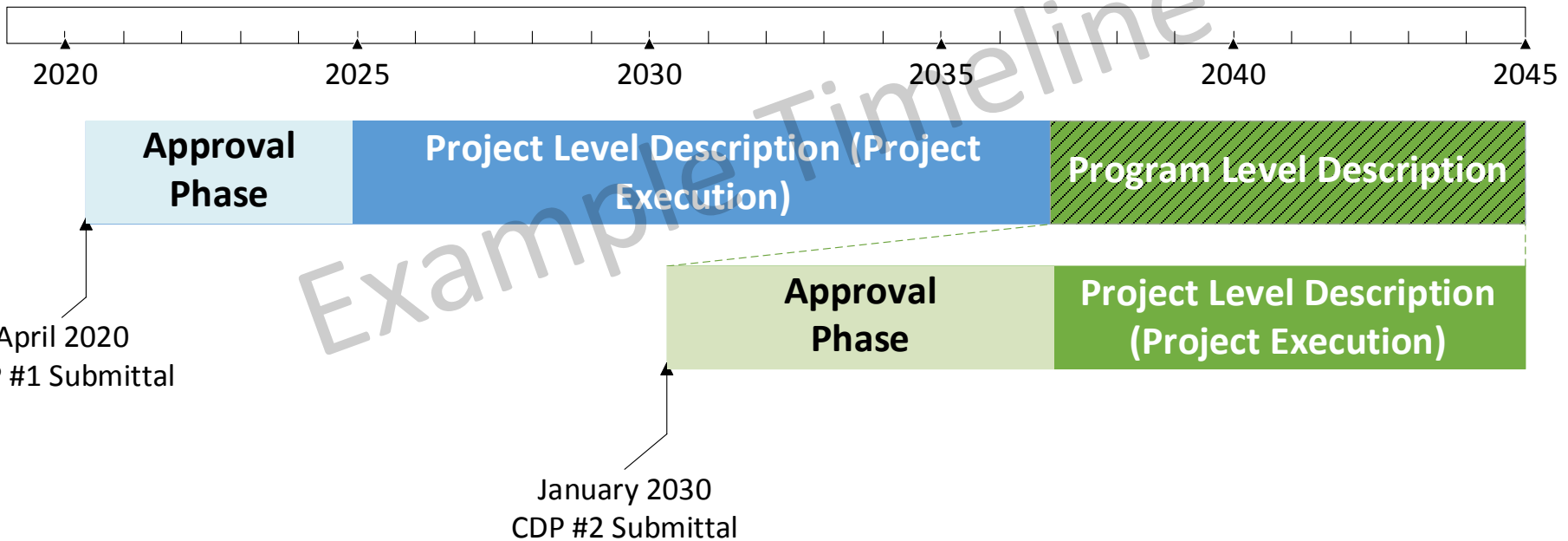
- CEQA regulations prohibit a “piecemeal” review of the potential significant environmental impacts of a proposed project
 - All potential impacts for a project must be described at a “project” or “program” level
- The CDP is a CEQA alternative under California law



Project Phasing

**Submittal 1:
Pre-Planning and
Decommissioning**

**Submittal 2:
Potential Breakwater
Demolition**



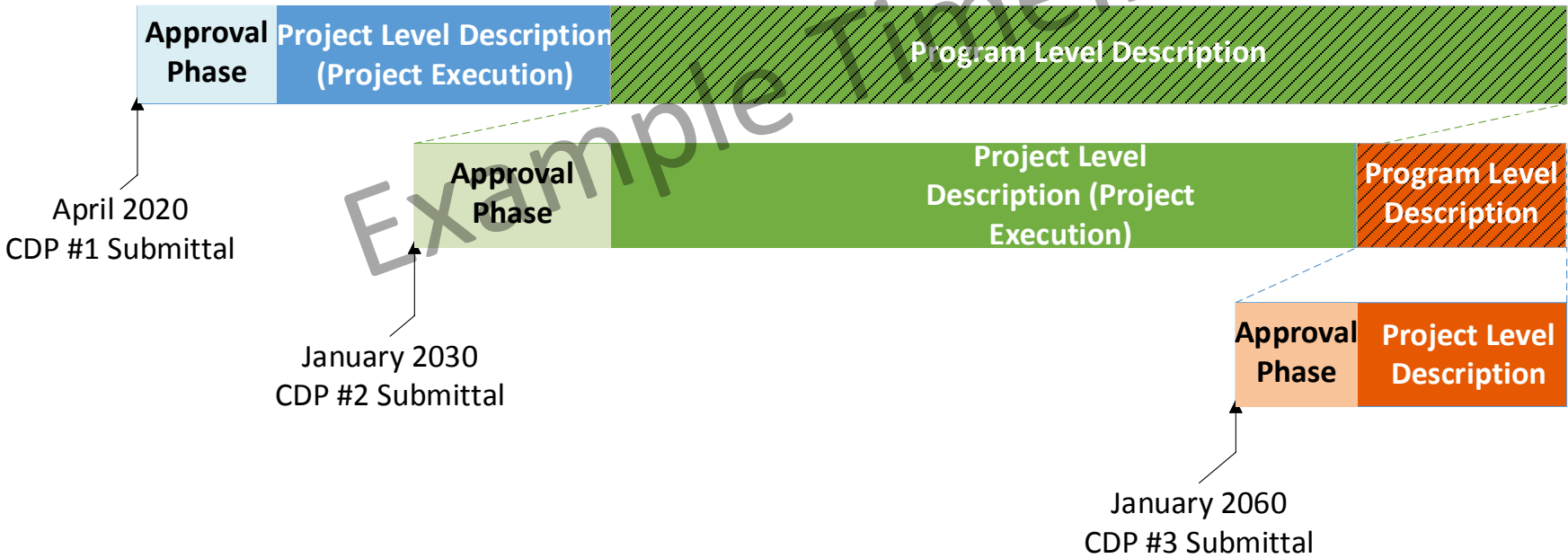
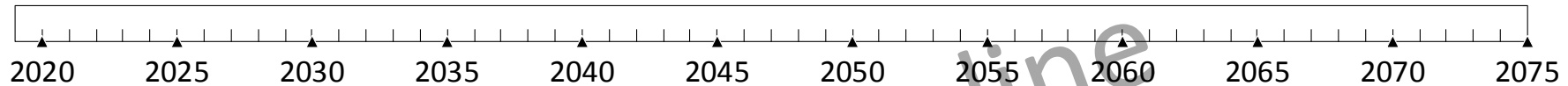


Project Phasing

**Submittal 1:
Pre-Planning and
Decommissioning**

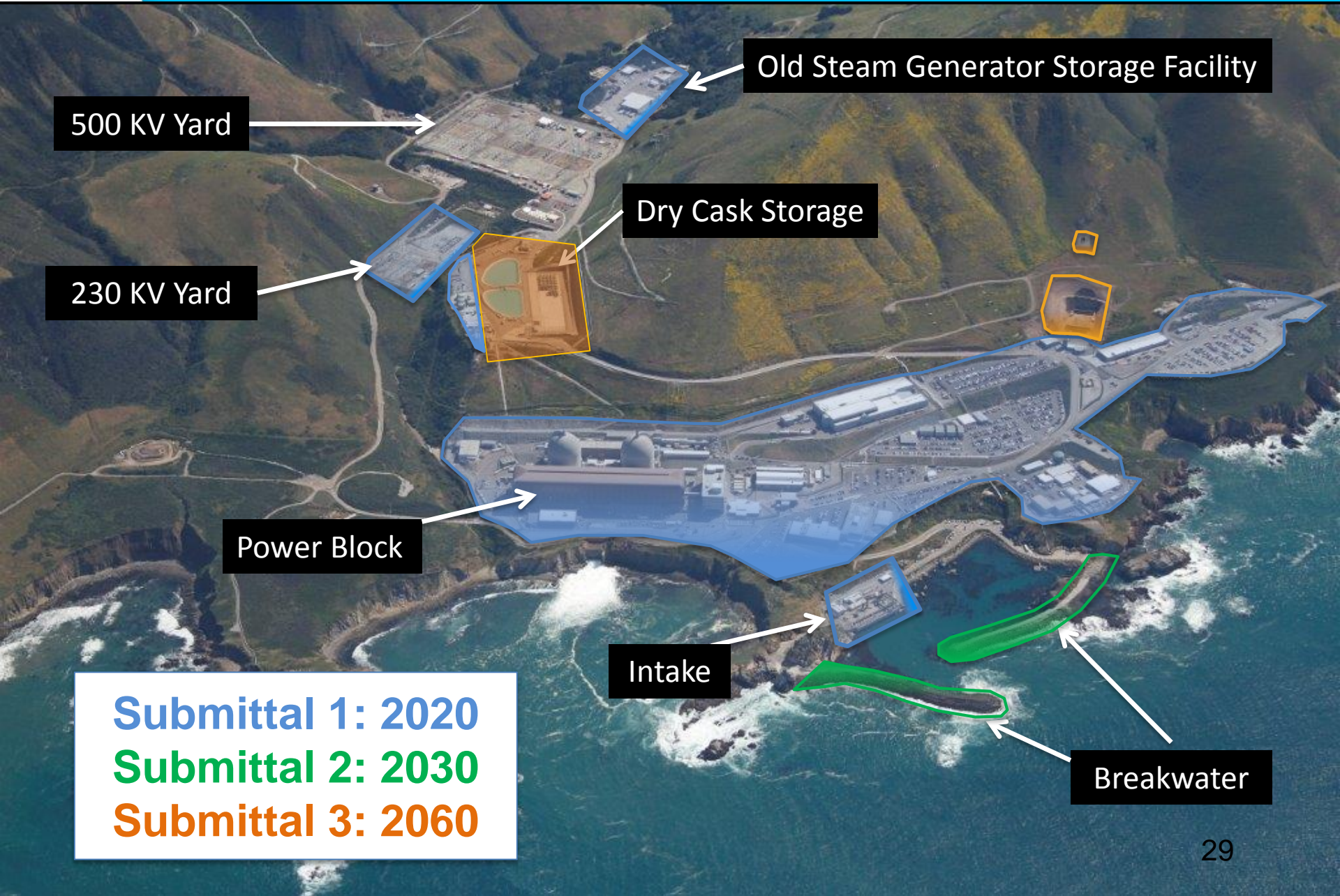
**Submittal 2:
Potential Breakwater
Demolition and ISFSI
Only**

**Submittal 3:
ISFSI Demolition and
Restoration**





Site Overview: Diablo Canyon Looking East



500 KV Yard

Old Steam Generator Storage Facility

Dry Cask Storage

230 KV Yard

Power Block

Intake

Breakwater

Submittal 1: 2020
Submittal 2: 2030
Submittal 3: 2060

NDCTP Process Unlocks Permitting Actions

- Funding approvals allow for a project description to be developed for CEQA/CDP permitting path
- CEQA process allows for an evaluation of alternatives (i.e. repurposing)
- San Onofre draft EIR to be issued Q2 2018 for 60-day public comment period

Thank you

Tom Jones

Tom.Jones@pge.com

Panel Questions & Responses

Decommissioning Project Execution

Loren Sharp
June 27, 2018



Together, Building
a Better California

Direct experience

- Humboldt Bay Power Plant

Benchmarking trips

- Other decommissioning sites

San Onofre Nuclear Generating Station (SONGS)

- Learnings from decommissioning activities

Spent fuel movement

- 2024 – 2032

Site modifications

- Spent fuel pool island
- Cold and dark power
- Temporary site infrastructure changes

Building demolition

- 2026 – 2034
- Begin with non-nuclear buildings

Transportation of waste

- Potential trucking to Pismo Beach, then transfer to rail

Final site surveys

- Requires NRC approval of methodology through License Termination Plan

Site restoration

- Returns existing grade to natural contour

Re-vegetation

- Multi-year monitoring

Decommissioning execution

- Direct experience, industry benchmarking, and learnings from SONGS will help inform a successful project execution plan
- With requisite approvals, active decommissioning can begin shortly after power plant operating license expiration

Thank you

Loren Sharp

Loren.Sharp@pge.com

Panel Questions & Responses

Break

10 minutes

Pathways for Public Input

- Public meetings
- Public workshops
- Public comment at meetings
- Public comment kiosk
- Panel website
- Email the panel
- In-person discussions

Engagement Panel



PG&E



PG&E's
Decommissioning
Estimate to CA
Public Utilities
Commission

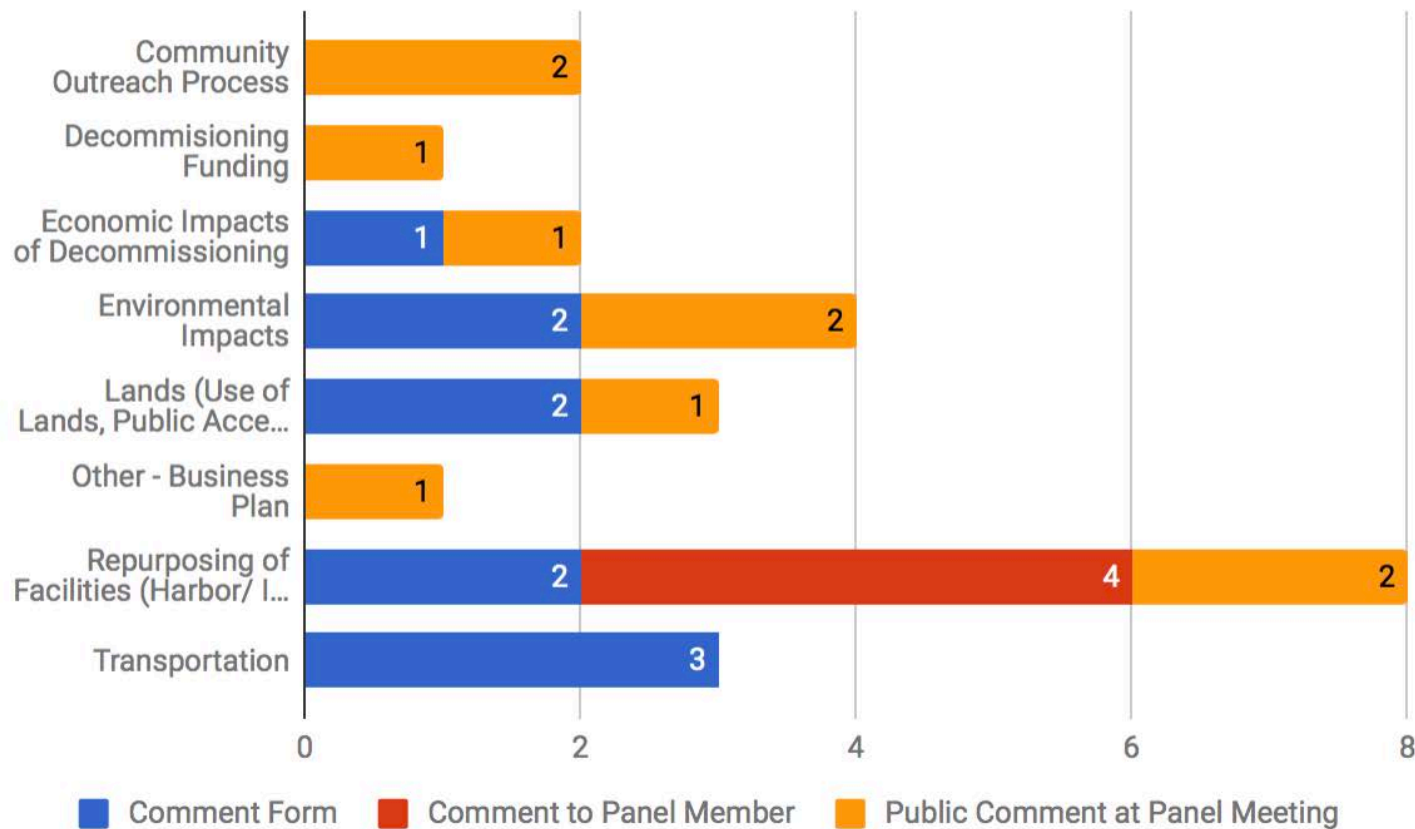
Public Comments & Questions

MAY-JUNE 2018



Public Comments & Questions

Diablo Canyon Decommissioning Engagement Panel
Comments by Topic (as 6/18/2018)



Public Comment Session

| Left Podium | Right Podium |
|-------------|--------------|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Panel Discussion & Actions

July 25 Topic: Decommissioning Costs

Meeting Evaluation

Thank you

We're available now to answer additional questions

Appendix

- 50: Submittal 1, Scopes of Work
- 51: Submittal 2 & 3, Scopes of Work
- 52: Decommissioning Planning Path

Submittal 1: Scopes of Work

| Project Level Analysis: | Program Level Analysis: |
|---|----------------------------------|
| Cold and Dark | Potential Breakwater Demolition |
| Spent Fuel Pool Island | Potential Breakwater Restoration |
| Unit 1 and 2 Spent Fuel Cooling | Diablo Creek Restoration |
| Spent Fuel and GTCC Waste to ISFSI | ISFSI Demolition |
| Site Infrastructure Modifications | ISFSI Restoration |
| Building Demolition | |
| Site Restoration | |
| Intake and Outfall Structure Demolition | |
| 230kV Switchyard Removal | 50 |

Submittal 2: Scopes of Work

| Project Level Analysis: | Program Level Analysis: |
|---|-------------------------|
| Potential Breakwater Demolition / Restoration | ISFSI Demolition |
| Diablo Creek Restoration | ISFSI Restoration |
| Final Site Restoration | |
| ISFSI-Only Operations | |

Submittal 3: Scopes of Work

| Project Level Analysis: |
|-------------------------|
| ISFSI Demolition |
| ISFSI Restoration |

Appendix p. 3

