

Diablo Canyon Decommissioning Engagement Panel Workshop

Economic Opportunities and Impacts Relating to Diablo Canyon Power Plant Closure

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Together, Building
a Better California

- **Diablo Canyon Power Plant (DCPP)
Decommissioning Status**
- **DCPP Staffing Changes**
- **Staff Retention Until Shutdown**
- **Potential DCPP Repurposing**

DCPP Decommissioning Status

Decommissioning Status

Currently in the 2018 Nuclear Decommissioning Cost Triennial Proceeding (NDCTP) process to obtain funding approval:

- Established by CPUC to examine nuclear decommissioning issues
- Filed December 13, 2018
- Establishes annual revenue requirement for decommissioning expense
- Includes a site-specific decommissioning cost estimate (DCE)

2018 NDCTP Status

- Hearings completed in San Francisco in September
- Anticipate a proposed decision from the CPUC in Q4 2019 or Q1 2020

DCPP DCE Cost Summary (2017\$)

No.	Milestone Scope Description	Total (in thousands)
Unassigned Cost Milestones		
1	Program Management, Oversight, and Fees	\$1,462,045
2	Security Operations	\$560,686
3	Waste/Transportation/Material Management (Excluding: Breakwater, RPV/RVI Segmentation, & Large Component Removal)	\$855,211
Discrete Cost Milestones		
4	Power Block Modifications	\$80,707
5	Site Infrastructure	\$140,972
6	Large Component Removal (including waste/transportation)	\$166,370
7	Reactor/Internals Segmentation	\$332,341
8	Spent Fuel Transfer to ISFSI	\$235,541
9	Turbine Building	\$68,667
10	Auxiliary Building	\$92,122
11	Containment	\$121,012
12	Fuel Handling Building	\$48,627
14	Balance of Site	\$80,702
15	Intake Structure	\$41,654
16	Discharge Structure	\$15,122
17	Breakwaters	\$286,326
18	Non-ISFSI Site Restoration	\$135,075
19	Spent Fuel Transfer to DOE	\$24,258
20	ISFSI Demolition and Site Restoration	\$54,956
	Total	\$4,802,395

**Trust fund
balances
end of Q2
2019**

**Unit 1:
\$1,459.3 M**

**Unit 2:
\$1,908.7 M**



NRC Trust Fund Exemption Request

NRC Exemption Request to use Trust Fund for pre-shutdown planning

- PG&E submitted an exemption request to allow the withdrawal of \$187.8 million (\$2017) from the Diablo Canyon trust fund prior to shutdown and in excess of the allowed 3 percent (\$37.2M)
 - Funds decommissioning planning activities, including those associated with spent fuel management and site restoration
- NRC approved the exemption request on September 10, 2019

Key Takeaway

- This positive action by the NRC keeps the project on track for immediate decommissioning after shutdown in 2025

2018 NDCTP Results and Future Filings

2018 NDCTP approval results in

- Detailed project descriptions for permitting
- Proceeding with NRC licensing efforts
- Proceeding with detailed planning and engineering work

2021 NDCTP

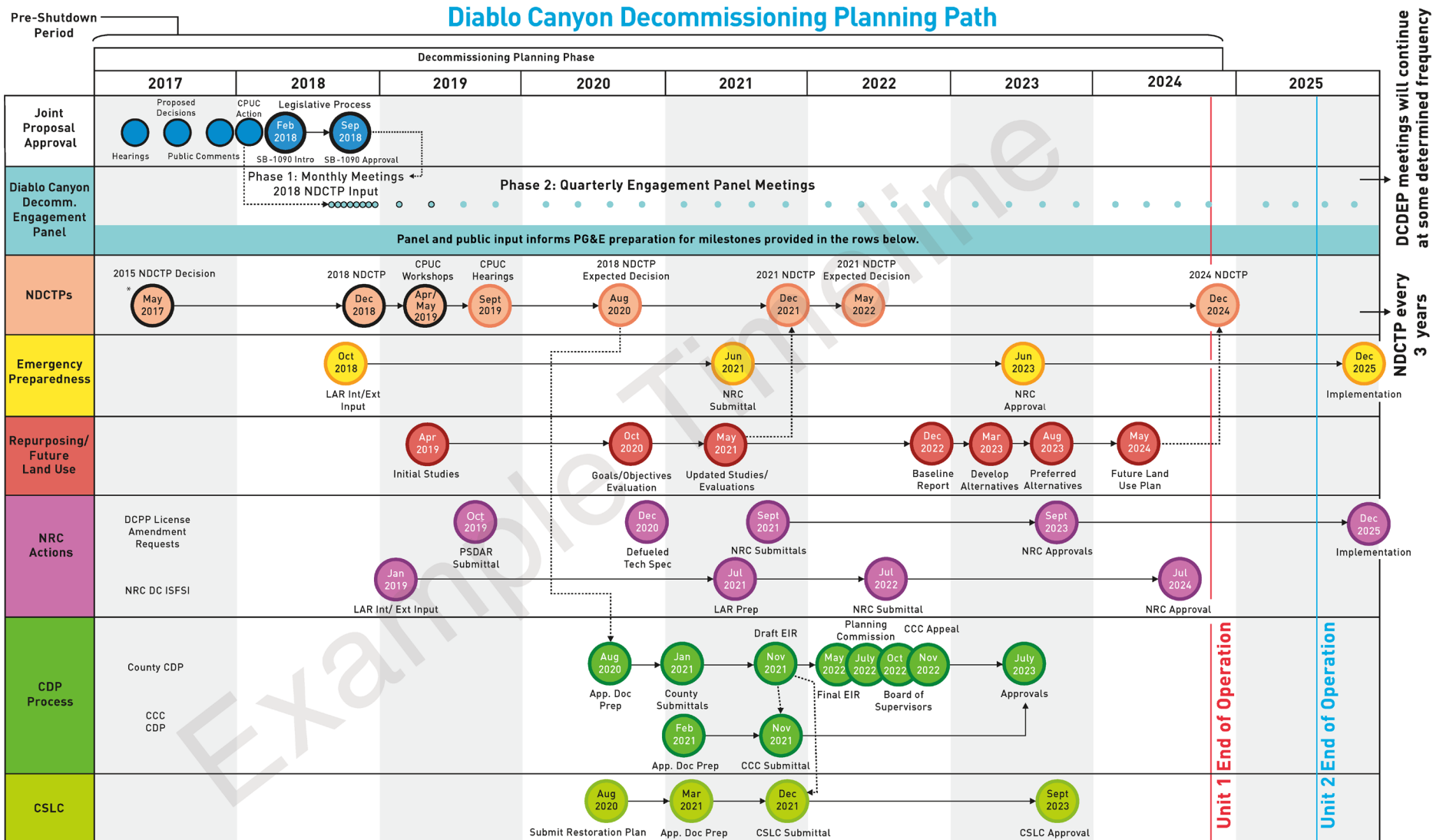
- Update with available results of licensing, permitting, and proposed repurposing
- Decision on contracting strategy

2024 NDCTP

- Last update prior to licenses expiring
- Will include results from issued permits and licensing approvals



Key Pre-Shutdown Planning Activities



*A black outline indicates completed actions

Chart to be updated quarterly

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ACRONYMS:

CCC – California Coastal Commission
CDP – Coastal Development Permit
CSLC – California State Lands Commission

CPUC – California Public Utilities Commission
DCCP – Diablo Canyon (DC) Power Plant
EIR – Environmental Impact Report

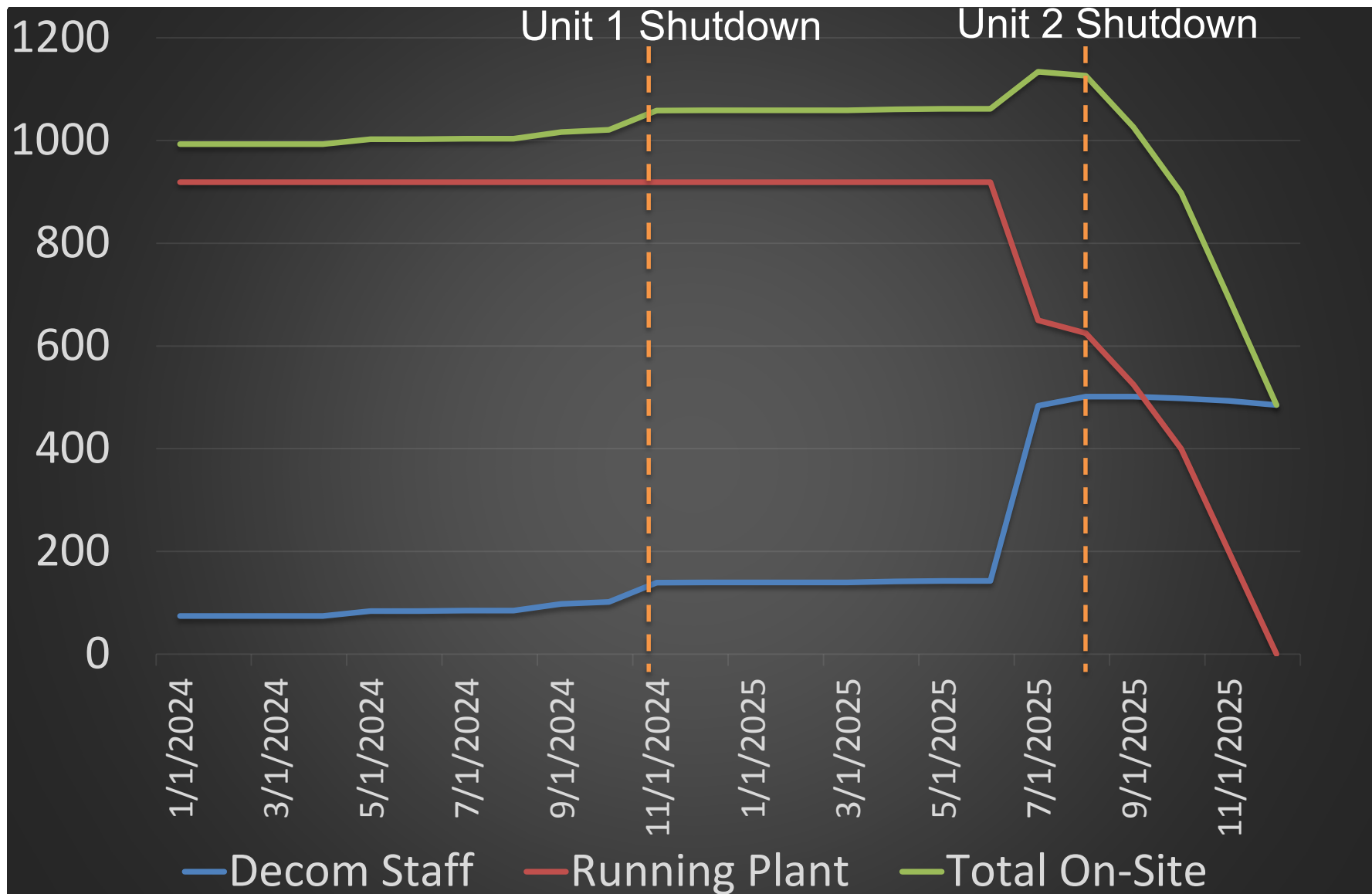
ISFSI – Independent Spent Fuel Storage Installation
LAR – License Amendment Request
NDCTP – Nuclear Decommissioning Cost Triennial Proceeding

NRC – Nuclear Regulatory Commission
PSDAR – Post-Shutdown Decommissioning Activities Report

DCPP Staffing Forecast

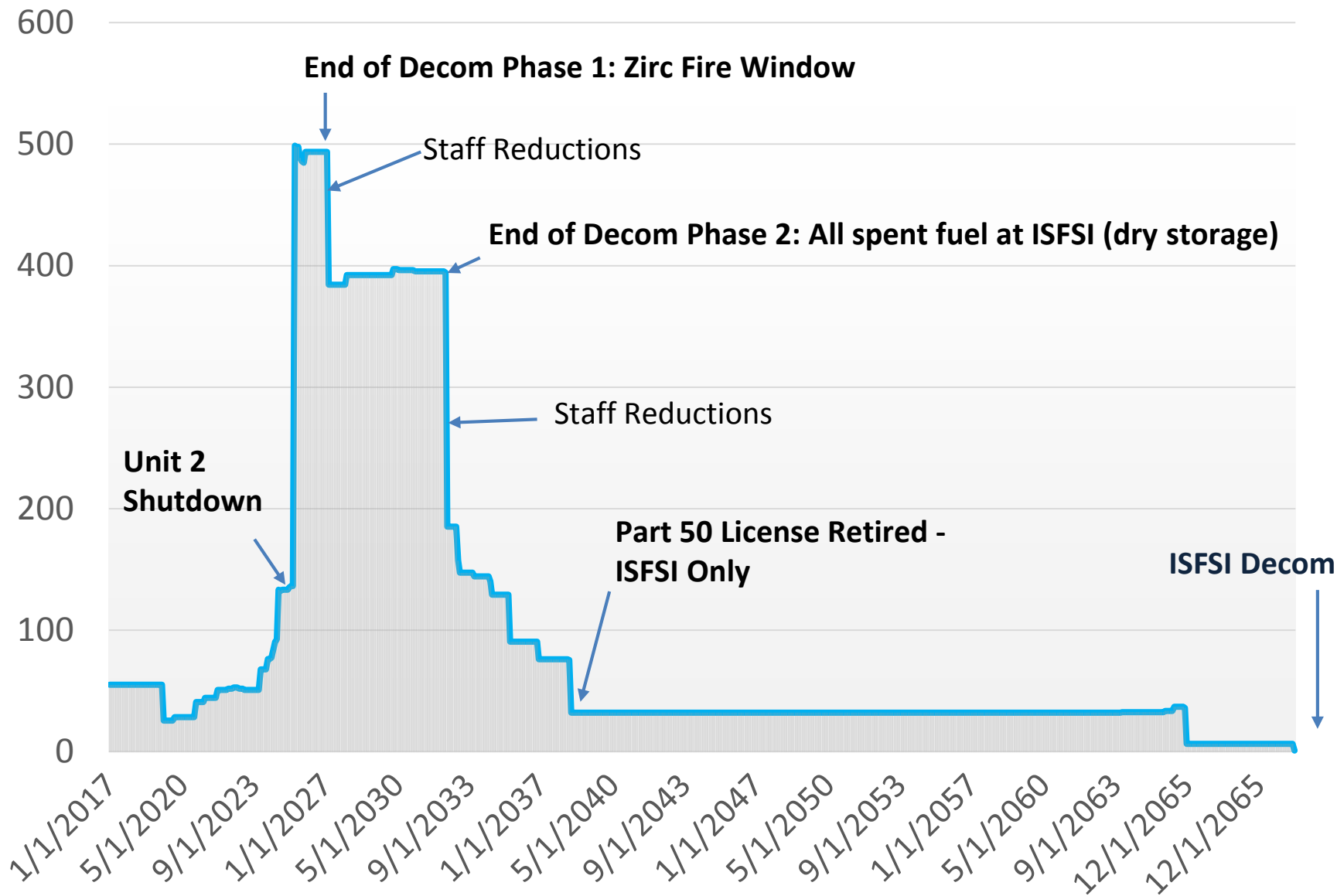


DCPP Staffing Curve Near Shutdown



* Subject to change based on regulatory approvals and contracting strategy

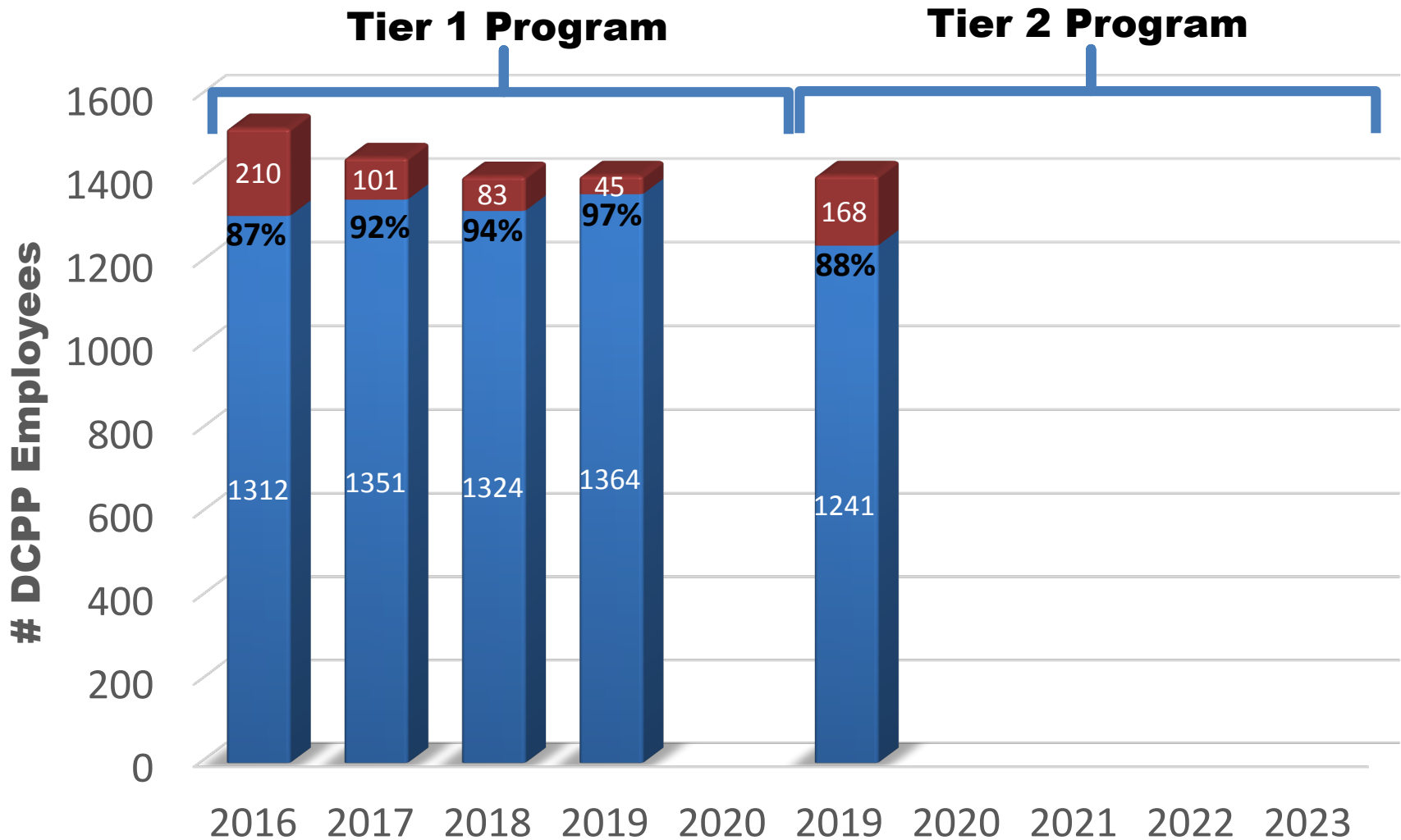
Decommissioning Staffing



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DCPP Staff Retention Until Shutdown

Retention Agreement Trends



■ Retention Agreements Signed

■ Retention Agreements Not Signed

Potential DCPP Repurposing

CPUC Order from A.16-08-006 – Joint Proposal

13. Pacific Gas and Electric Company will take no action with respect to any of the lands and facilities, whether owned by the utility or a subsidiary, before completion of a future process including a public stakeholder process; there will be local input and further Commission review prior to the disposition of Diablo Canyon facilities and surrounding lands. (pages 60-61)

Diablo Canyon Decommissioning Engagement Panel (DCDEP)

- Developed in 2018 to engage in open and transparent dialogue with all interested stakeholders on matters regarding decommissioning, future use of the lands and facilities around DCP

Public Input To-Date

- The DCDEP conducted numerous public meetings and workshops on decommissioning-related topics, including repurposing and future land use
 - Obtained over 1,000 documented public comments
- The DCDEP summarized the results of the meetings/workshops in a Strategic Vision and includes specific recommendations to PG&E

Next Steps

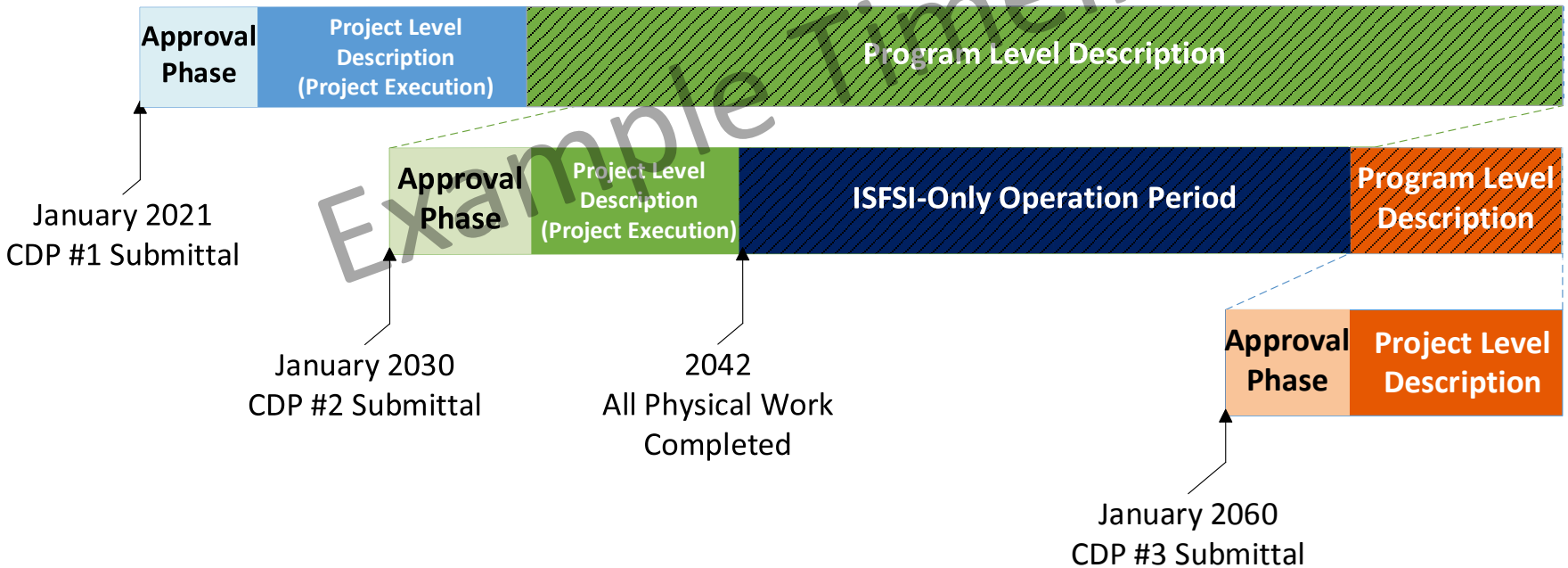
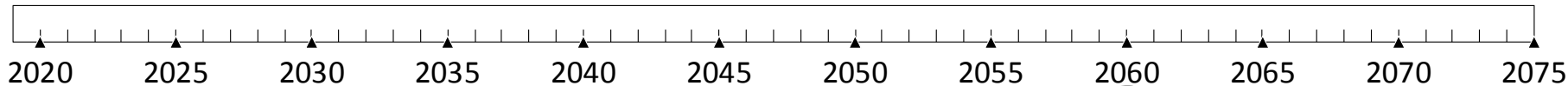
- PG&E evaluations of DCDEP Strategic Vision recommendations can begin in earnest now that pre-shutdown planning decommissioning funding has been approved by the NRC
 - Findings will be included in the 2021 NDCTP and future permitting process (see next slide)
- CPUC has authorized PG&E to begin discussions on repurposing and future land use
- PG&E is accepting formal proposals on repurposing / future land use through Dec. 1, 2020 (contact Tom.Jones@pge.com)
 - Proposals will be evaluated for viability to inform the 2021 NDCTP

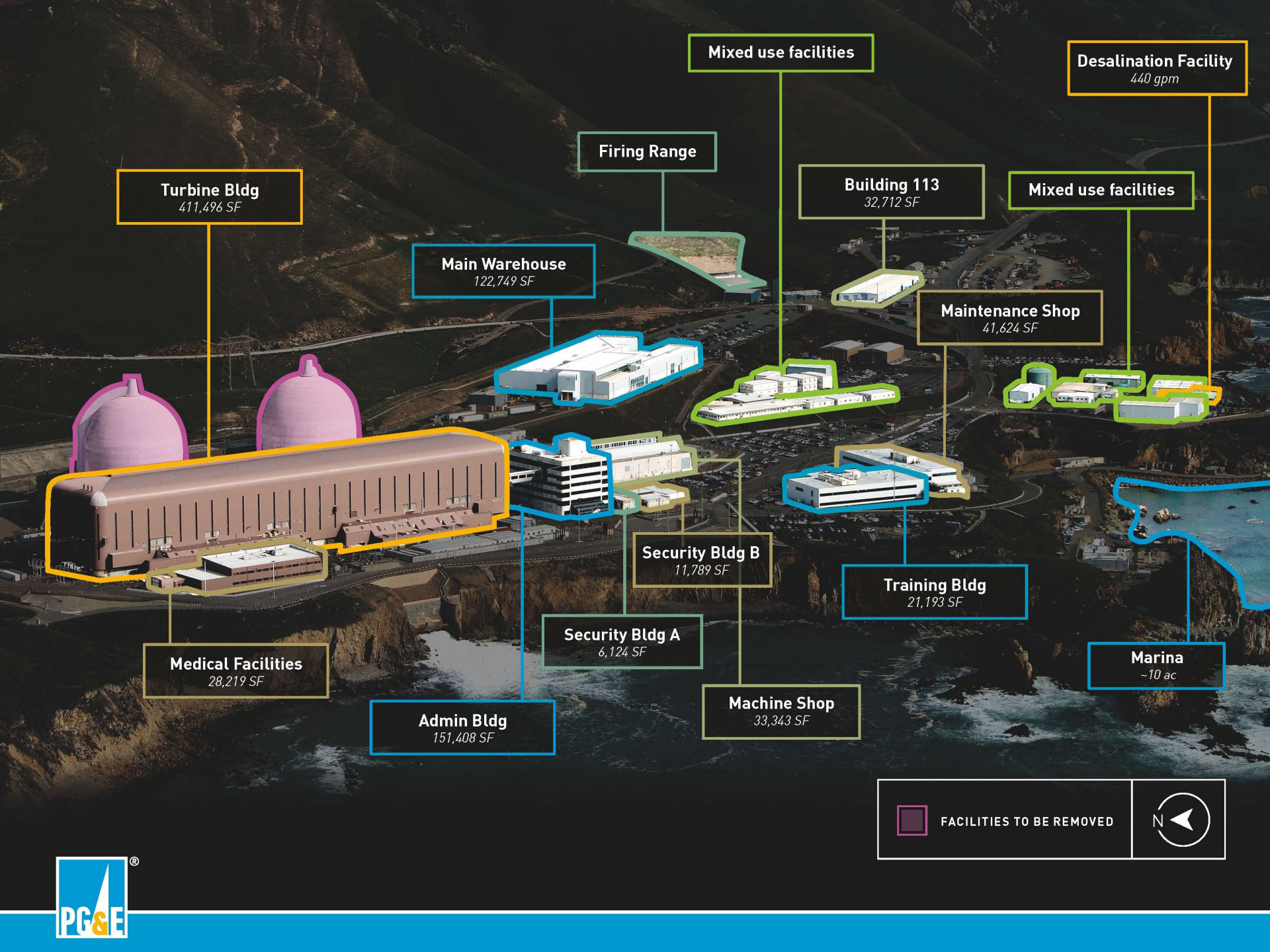
Project and Permit Phasing

Submittal I:
Shutdown, Decommissioning,
and Initial Site Restoration

Submittal II:
Breakwater and Intake
Cove Decommissioning, and
Diablo Creek Restoration

Submittal III:
ISFSI Decommissioning
and Restoration





Turbine Bldg
411,496 SF

Main Warehouse
122,749 SF

Firing Range

Mixed use facilities

Building 113
32,712 SF

Desalination Facility
440 gpm

Mixed use facilities

Maintenance Shop
41,624 SF

Medical Facilities
28,219 SF

Security Bldg B
11,789 SF

Training Bldg
21,193 SF

Security Bldg A
6,124 SF

Admin Bldg
151,408 SF

Machine Shop
33,343 SF

Marina
~10 ac



FACILITIES TO BE REMOVED





Summary

- **PG&E is on track for timely pre-planning activities to support decommissioning of DCPD**
- **Major Milestones:**
 - NRC approved the exemption for pre-shutdown planning
 - Awaiting CPUC decision on decommissioning cost estimate
- **Provide formal repurposing / future land use to PG&E by Dec. 1, 2020 (sooner the better)**
 - Email to: Tom.Jones@pge.com

Thank You

For more information:

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