

County of San Luis Obispo

Virtual Public Scoping Meetings

**PG&E's
Diablo Canyon
Power Plant
Decommissioning
Project**

**November 9,
December 1, and
December 4, 2021**



Meeting Participation via Zoom

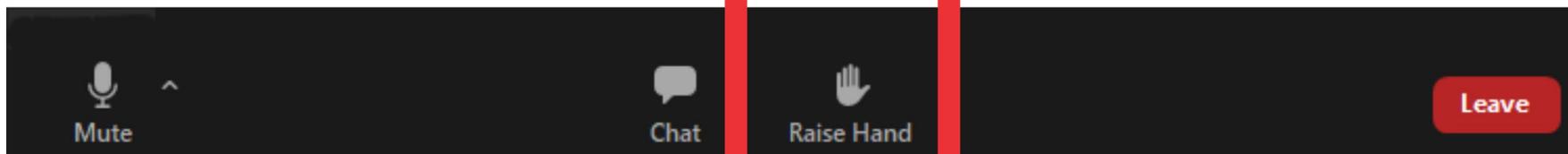
- All attendees will be muted during the presentation
- **Q&A/Scoping Comments:** Use the **RAISE HAND** feature
 - We will call on you to speak during Q&A, and at end of presentation for scoping comments
- **Note:** This meeting is being recorded

If joining by PHONE:

- Press *9 to raise your hand

When called on:

- Press *6 to unmute



Meeting Agenda

- Introductions
- PG&E's Proposed Project: DCCP Decommissioning Project Description
 - Questions and Answers
- County-Driven Analysis: Future Site Re-Use Concepts
 - Questions and Answers
- EIR Process
 - Questions and Answers
- Scoping Comments



Meeting Participants

County of San Luis Obispo Planning and Building

- **Susan Strachan** – Nuclear Power Plant Decommissioning Manager
- **Cindy Chambers** – Senior Planner

Aspen Environmental Group – County Consultants

- **Sandra Alarcón-Lopez** – EIR Project Manager
- **Lisa Blewitt** – Deputy Project Manager

PG&E representatives are available to answer questions regarding their proposed project



Purpose of Meeting and Scoping

- CEQA requires 30-day scoping period
- Meeting required for project of Statewide, regional or areawide significance
- Opportunity for agencies and public to provide input and comment on the scope and content of the EIR
 - Provide oral comments at a scoping meeting or provide written comments by mail or email
- Opportunity to provide input on project alternatives, evaluation methods, and mitigation measures

Project Description

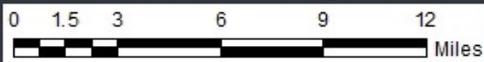
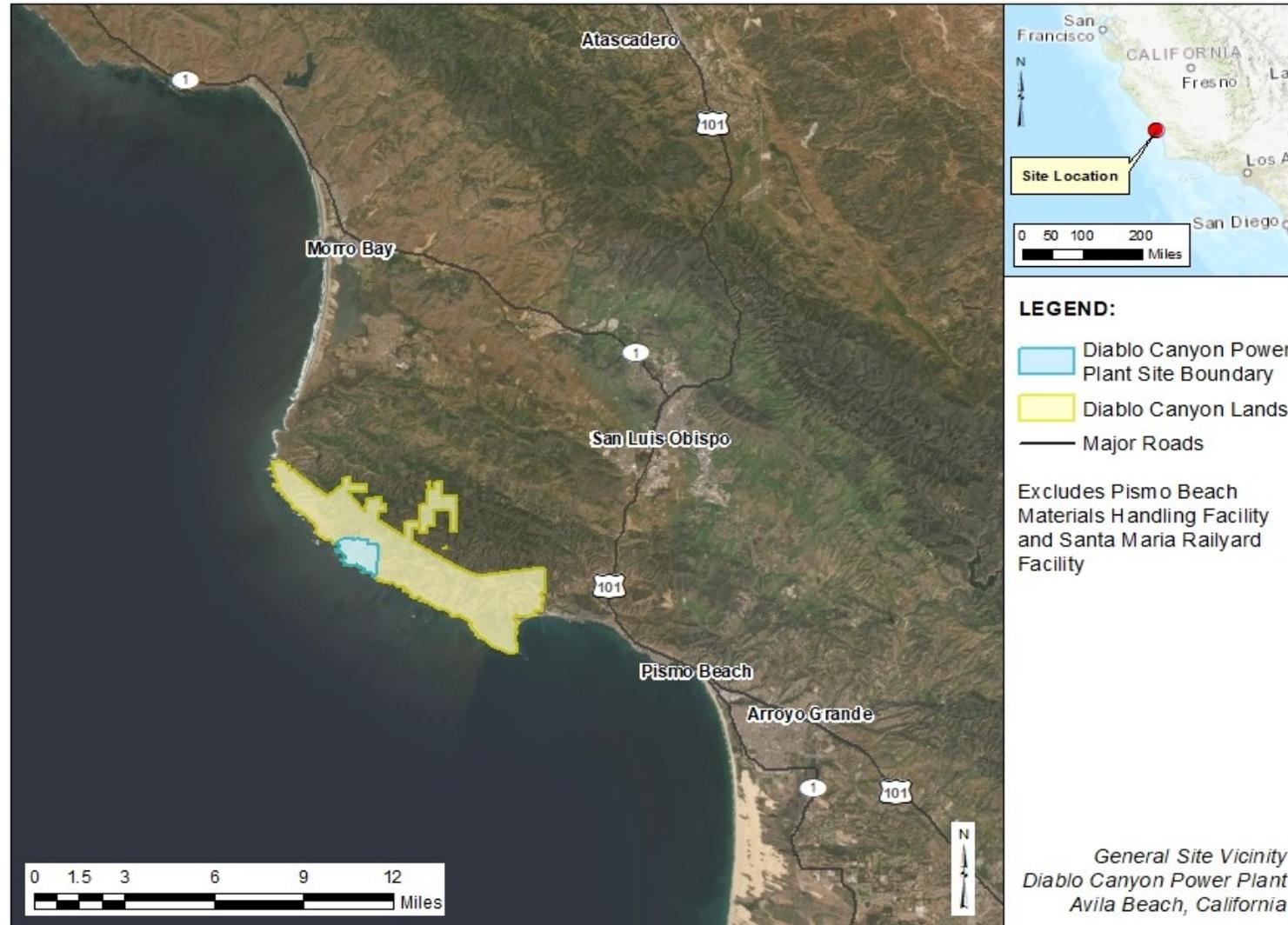
- Background
- Agency jurisdictions
- Power plant decommissioning
- Offsite locations for waste transportation



Land Use Application

- PG&E land use application filed March 29, 2021
 - Development Plan/Coastal Development Permit and Conditional Use Permit for both Coastal and Inland components
- County comment letter issued April 28, 2021
- PG&E application supplement filed July 8, 2021
- County comment letter issued August 9, 2021
- PG&E additional application information filed on October 6, 2021
- County accepted application on October 27, 2021

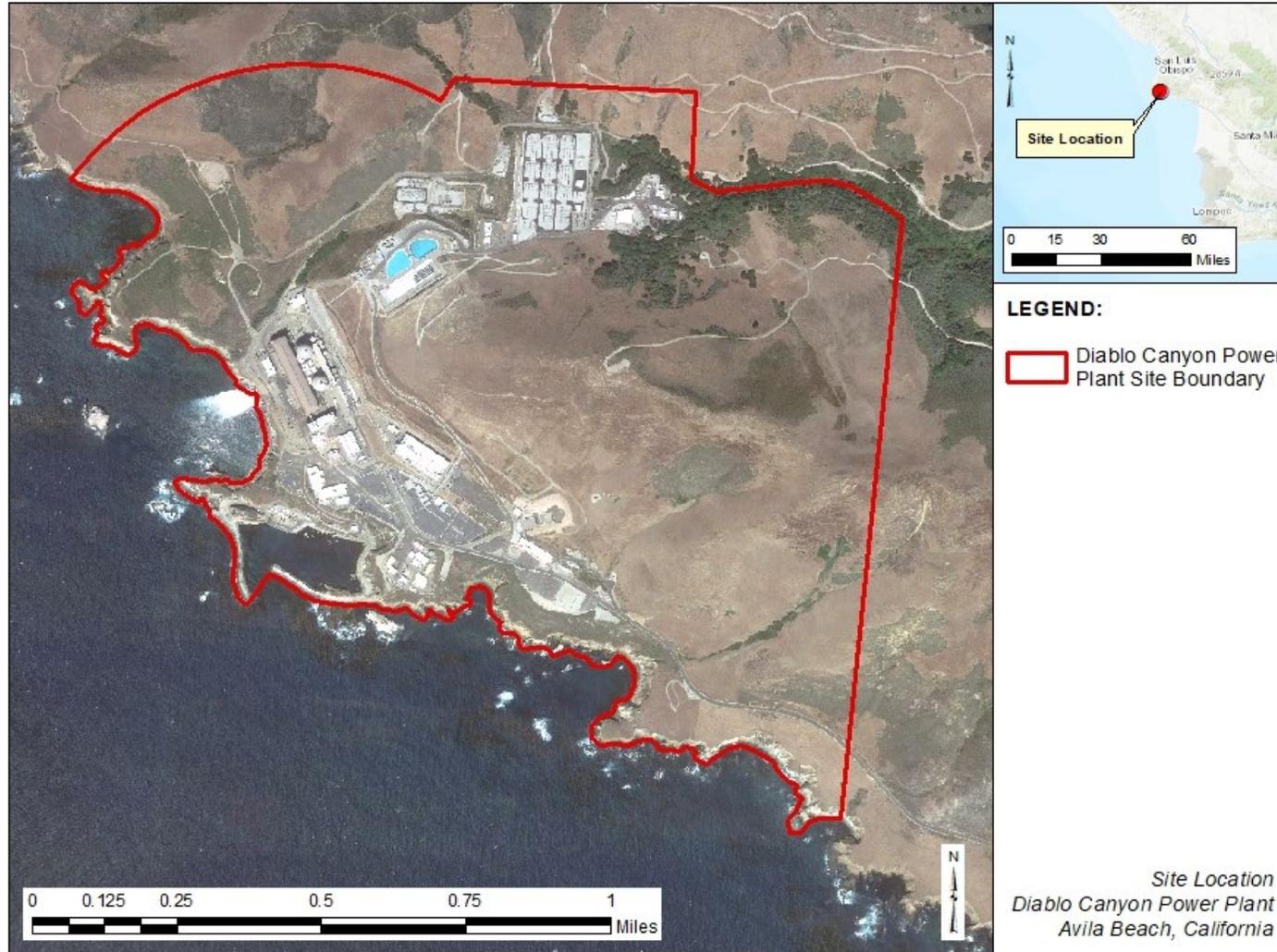
General Site Vicinity



Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

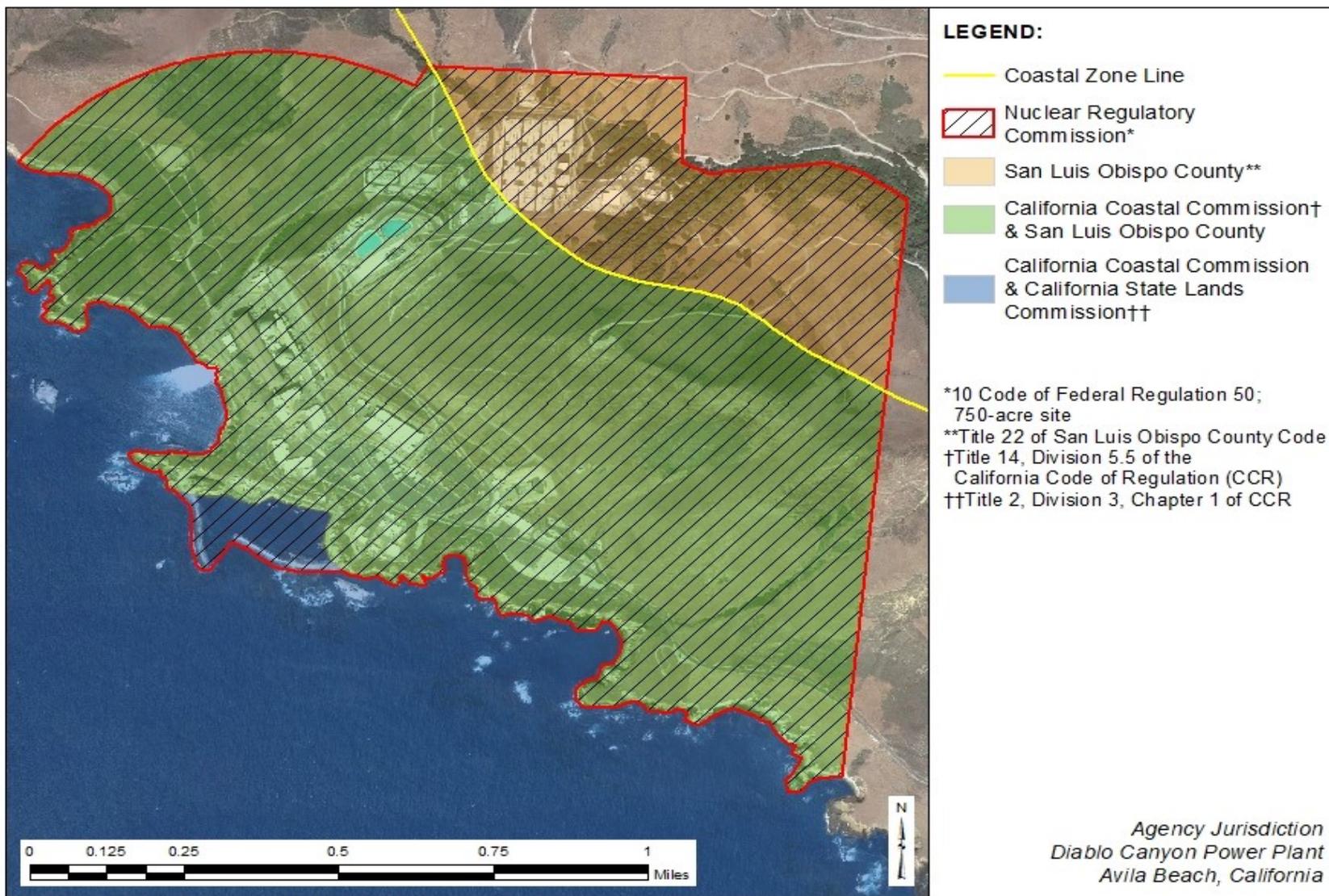


Diablo Canyon Power Plant Site



Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Agency Jurisdictions



Boundaries shown are for illustrative purposes only.



Agency Jurisdictions, cont.

- **County of San Luis Obispo** – CEQA Lead Agency, Development Plan/Coastal Development Permit and Conditional Use Permit for both Coastal and Inland components
- **California Coastal Commission** – Original jurisdiction Coastal Development Permit, appeal jurisdiction for County CDP permit
- **California State Lands Commission** – New lease or lease amendment
- **Nuclear Regulatory Commission** – Oversees decommissioning process – cleanup/removal radioactive structures and systems, transfer spent fuel; termination of Part 50 License



DCPP Decommissioning

- Unit 1 NRC license termination: November 2, 2024
- Unit 2 NRC license termination: August 26, 2025
- 2016: PG&E stopped NRC license renewal effort
- 2018: CPUC approved retirement
- 2024: PG&E proposes to begin decommissioning and dismantling plant



Project Description

Decommissioning will occur in two phases:

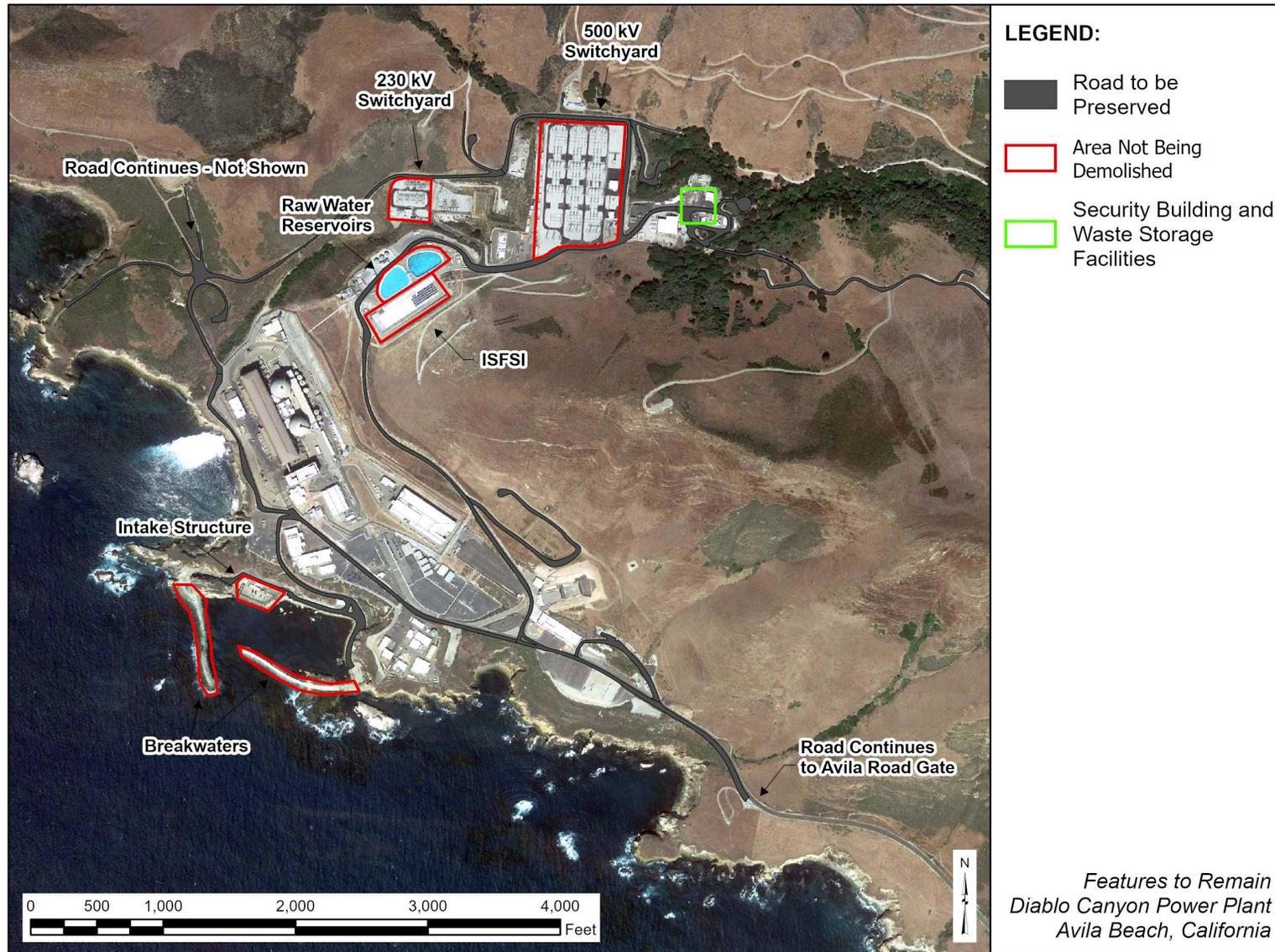
- Phase 1: 2024-2031 – Pre-Planning and Decommissioning Activities
- Phase 2: 2032-2039 – Completion of Soil Remediation, Final Status Surveys, and Final Site Restoration



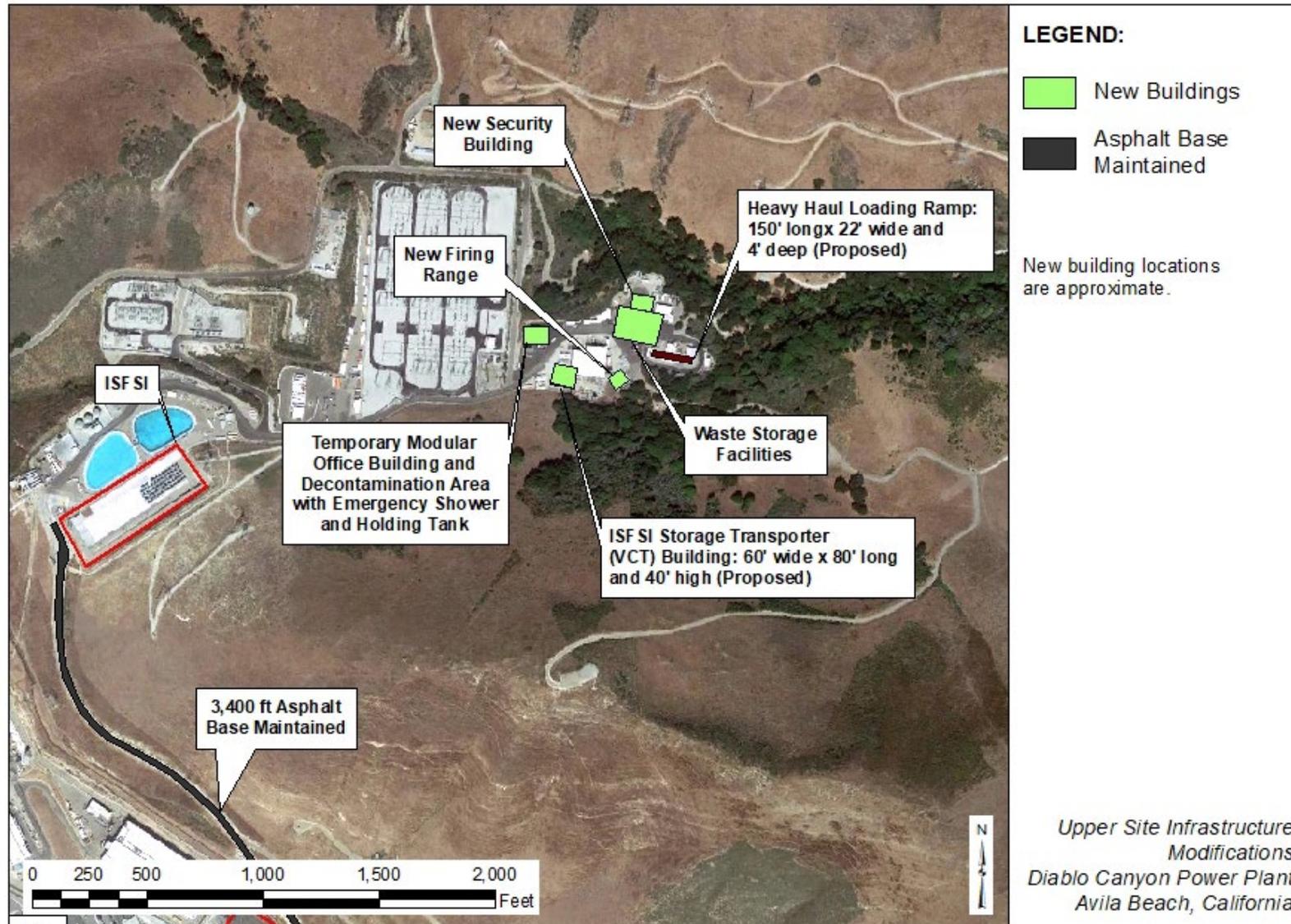
Project Description, cont.

- **Decommissioning Includes:**
 - Decontamination and demolition of infrastructure, buildings and structures
 - Retention of some structures
 - Construction of new buildings/structures in future PG&E Owner-Controlled Area
 - Installation of temporary infrastructure and buildings
 - Use of off-site rail loading sites

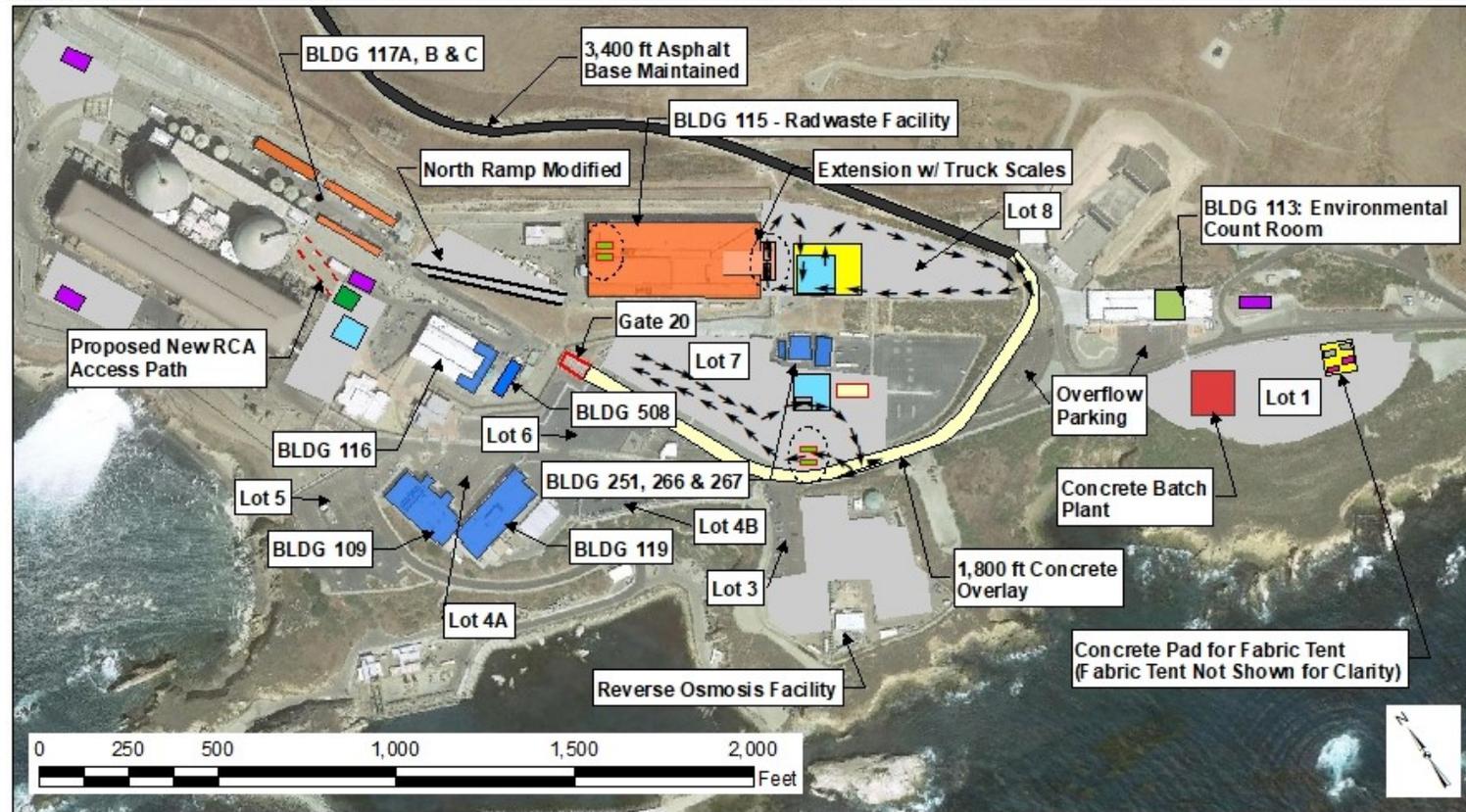
Project Description, cont.



Project Description, cont.



Project Description, cont.



LEGEND:

- | | | | |
|------------------------------|--|----------------------------------|-------------------------|
| Gate 20 | Environmental Count Room | Radwaste Facility | Concrete Overlay |
| North Ramp Modified | Fabric Tent | Rubblizer Area | Asphalt Base Maintained |
| Proposed New RCA Access Path | In Situ Object Counting System (ISOCS) | Dedicated for Concrete Stockpile | |
| Concrete Batch Plant | Office Buildings | Restoration Areas | |
| Concrete Pad | RCA Access Facility | Construction Trailers | |

*Lower Site Infrastructure Modifications
Diablo Canyon Power Plant
Avila Beach, California*



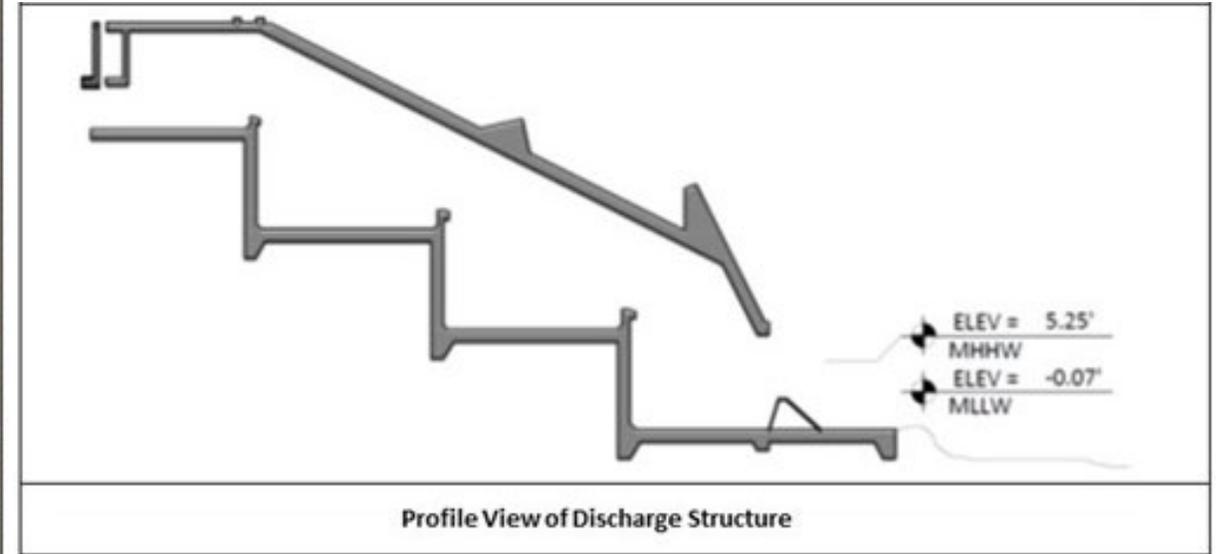
Phase 1: Decommissioning (2024-2031)

- Temporary infrastructure and building modifications
- Decontamination and demolition of buildings
- New buildings/structures construction in future PG&E Owner-Controlled Area
- Spent fuel and GTCC waste transfer to ISFSI and new GTCC Storage Facility
- Removal and restoration of discharge structure

Phase 1: Decommissioning (2024-2031)



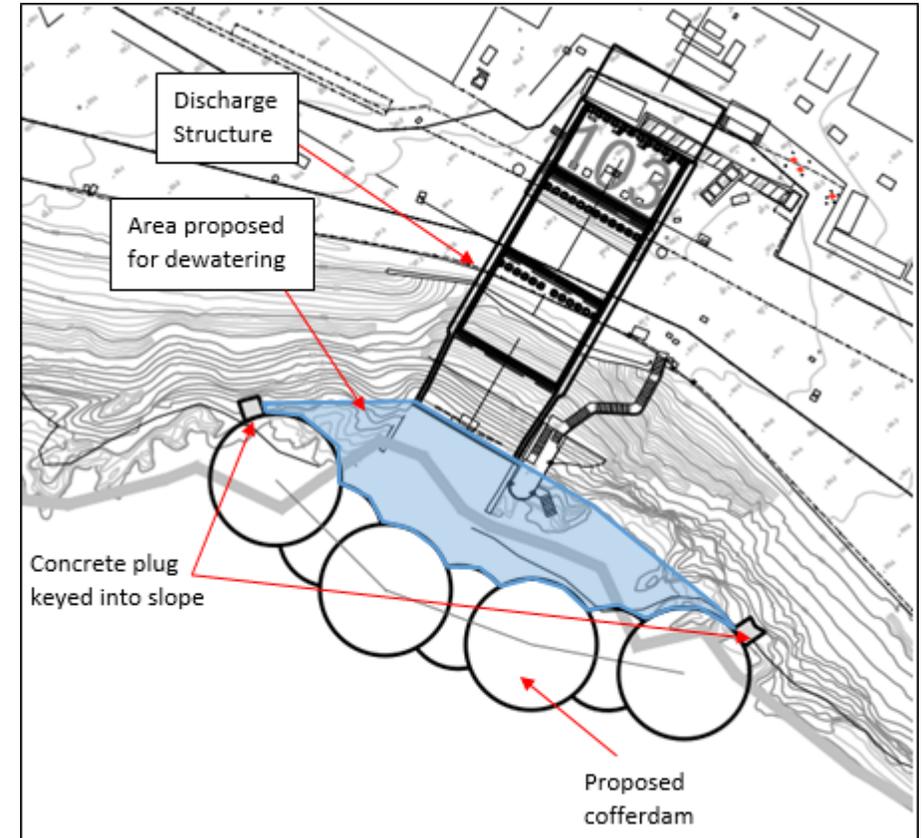
Ocean Side View of Discharge Structure During Construction



Profile View of Discharge Structure

Phase 1: Decommissioning (2024-2031)

- Removal of nuclear reactor pressure vessels and internals, steam generators
- Site characterization to identify contaminated areas
- Soil remediation and Final Status Surveys
- Modification and utilization of off-site railyards



Phase 2: Restoration (2032-2039)

- Continue soil remediation and Final Status Surveys
- Remove infrastructure not needed for retained facilities
- Final site restoration
- Site restoration monitoring (up to 5 years)
- Termination of NRC Part 50 DCPP operating licenses
- Transition to ISFSI and GTCC storage operations

Decommissioning Waste Transportation

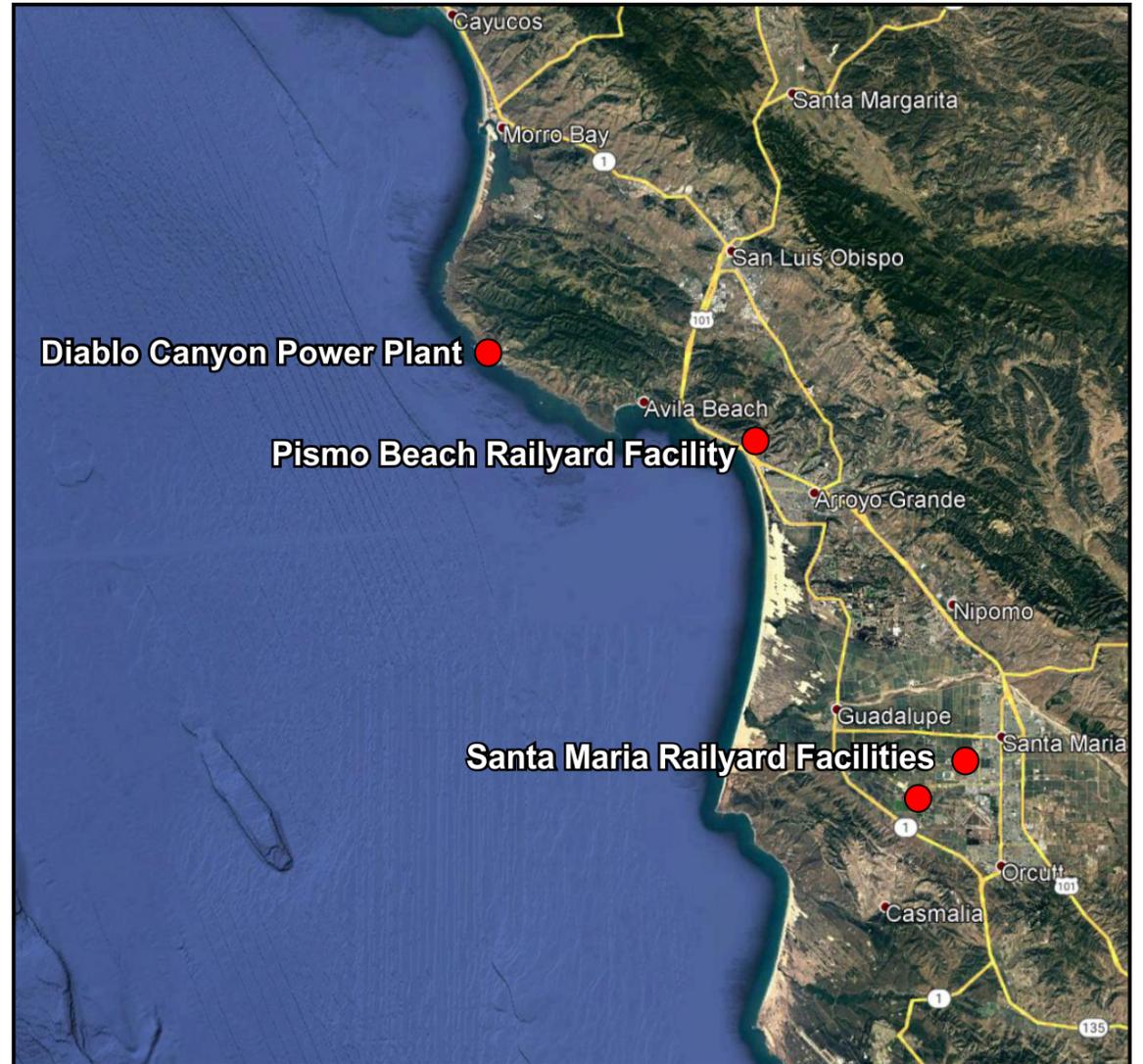
Three transportation modes:

- Barge
- Truck
- Truck to Rail



Rail Loading Facilities

- City of Pismo Beach (contingency, non-radioactive/non-hazardous wastes)
- City of Santa Maria (Osburn Yard)
- County of Santa Barbara (Betteravia Industrial Park)



Rail Loading Facilities

Pismo Beach Railyard Facility Site



Rail Loading Facilities





**Questions on the
Proposed Project?**

Future Site Reuse Concepts (2040+)

- County-driven analysis
- Not part of PG&E's Proposed Project or proposed by PG&E
- Concepts will be compared to provide early high-level analysis of possible post-decommissioning uses



Future Site Reuse Concepts (2040+)

Concepts under consideration by the County of San Luis Obispo:

- University Campus
- Developed Recreation
- Day Use Recreation
- Research Facility
- Renewable Energy Generation and/or Storage
- Resort Hotel
- Mixed Use
- Offshore Wind Port/Support Facility

Questions on Analysis of Reuse Concepts?



California Environmental Quality Act (CEQA)

- CEQA applies to projects that require a discretionary approval from a State or local agency
- Preparation of an Environmental Impact Report (EIR) is required when evidence indicates that the proposed project would have a significant impact(s) on the environment
- CEQA allows lead agency to move forward with the analysis without an Initial Study if an EIR will be prepared



EIR Process and Schedule



Contents and Purpose of an EIR

Contents:

- Detailed description of PG&E's proposed project
- Describe the environmental and regulatory setting of the project area
- Disclose the potential environmental impacts of the proposed project
- Identify and evaluate alternatives that reduce significant impacts
- Propose measures to reduce/avoid significant environmental impacts
- Separate chapter for description and comparison of County-driven review of future reuse concepts

Purpose:

- Provide technically sound information for decision-makers to consider in evaluating the proposed project



Environmental Issues to be Evaluated

- Aesthetics
- Air Quality
- Biological Res: Marine/Terrestrial
- Cultural Res: Archaeology/Built Envir.
- Cultural Res: Tribal Cultural Resources
- Energy
- Geology, Soils, and Coastal Processes
- Greenhouse Gas Emissions
- Hazardous and Radiological Materials
- Hydrology and Water Quality
- Land Use, Planning, and Agriculture
- Mineral Resources
- Noise
- Population and Housing
- Public Services and Utilities
- Recreation and Public Access
- Transportation
- Wildfire

The EIR will also evaluate:

- Climate Change and Sea-Level Rise
- Commercial Fishing
- Environmental Justice
- State Tide and Submerged Lands



NRC Preemption and Radiological Hazards

- Preemptive authority over radiological safety
 - Radiological aspects of decommissioning
 - Handling, storage, transport, disposal, and monitoring of spent nuclear fuel and high-level radioactive waste
 - Storage design and shipping casks
 - Independent Spent Fuel Storage Installation/Greater Than Class C waste storage – design location, and operations
- EIR will present NRC requirements and required safety plans



Impact Analysis

- Impacts are based on changes to the environment compared to existing conditions
 - Direct, indirect, cumulative, and growth-inducing effects
- CEQA requires the analysis to focus on “significant” impacts
- Mitigation measures are required to reduce or avoid significant impacts
- Social and economic impacts are not considered significant

Alternatives

- Alternatives will be determined by CEQA requirements:
 - Consistency with most project objectives
 - Ability to reduce or avoid impacts of proposed project
 - Feasibility of proposed alternatives
- Alternatives may include changes to the proposed project
- CEQA requires evaluation of No Project Alternative
 - This project may include more than one No Project Alternative
- Evaluated in less detail than the proposed project



Questions on EIR Process?

Scoping Comments

- Environmental concerns that may result from PG&E's proposed project; suggested areas to comment on:
 - Scope and content of EIR
 - Local environmental knowledge
 - Issues that need evaluation or how issues are evaluated
 - Feasible alternatives to PG&E's Proposed Project
 - Mitigation measures to avoid or reduce impacts of the Proposed Project
- Other options the County should consider for future site reuse

Scoping Comments via Zoom

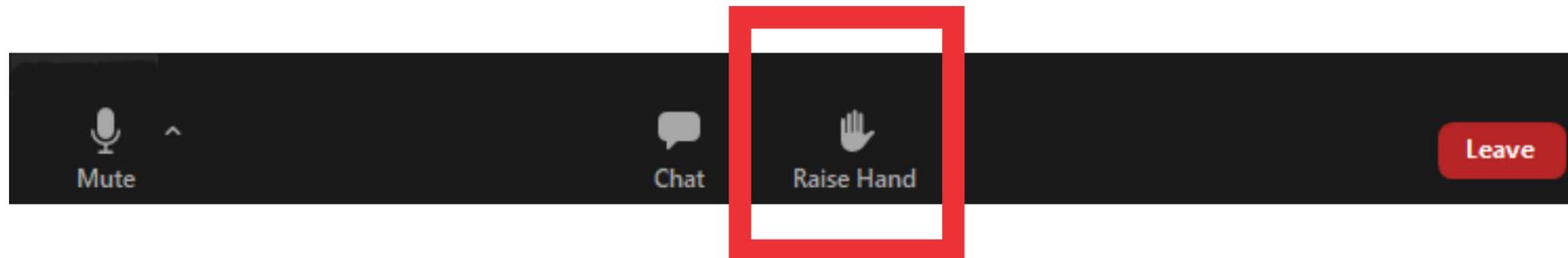
- **Oral Scoping Comments:** Please use the **RAISE HAND** feature and we will unmute you and call on you to speak
- Speakers limited to 3 minutes

If joining by PHONE:

- Press *9 to raise your hand

When called on:

- Press *6 to unmute



How to Provide Comments

Comments are due by December 6, 2021

You can also **email** or **mail** comments.

Mail Comment to:

Susan Strachan

Nuclear Power Plant Decommissioning Project Manager

San Luis Obispo County,

Department of Planning and Building

976 Osos St #300, San Luis Obispo, CA 93408

Email Comment to:

diablo@co.slo.ca.us

Subject Line: **DCPP Decommissioning Project NOP Comments**

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 Breaktime for PowerPoint by Flow Simulation Ltd. Pin controls when stopped



Thank you

