



STATE OF CALIFORNIA
PUBLIC UTILITIES COMMISSION

Pacific Gas and Electric Company's Moraga-Oakland X 115 kV Rebuild Project

Application [A.24-11-005](#), filed November 15, 2024



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This page was last updated: August 2025

Welcome to the California Public Utilities Commission (CPUC) website for the environmental review of Pacific Gas and Electric Company's (PG&E's) Moraga-Oakland X 115 kV Rebuild Project (MOX Project).

******The CPUC's Draft EIR public comment period is underway from August 12, 2025, until September 26, 2025. Virtual public meetings will be held on September 3, 2025 (see Draft EIR Public Review below)******

The Project is located in in the City of Orinda, unincorporated areas of Contra Costa County, and the cities of Oakland and Piedmont within Alameda County, California; a map is provided [here](#). PG&E submitted a Permit to Construct (PTC) application for the Project to the CPUC on November 15, 2024 ([Application A.24-11-005](#)). If approved by the CPUC, the Project is anticipated to begin construction in August 2028. The estimated Project completion date is July 2031.

The proposed Project will be reviewed under the California Environmental Quality Act (CEQA). The CPUC will prepare a CEQA environmental document as the CEQA lead agency. This website provides access to public documents and information relevant to the CEQA environmental review process. An overview of the proposed Project is provided below:



CPUC Review Process

Click [here](#) for more information about the CPUC's decision and review process.

Click [here](#) for CPUC's Proceeding page.

For additional information on the CPUC proceeding, contact the [Public Advisor's Office](#).

DESCRIPTION OF THE PROPOSED PROJECT

According to PG&E, the purpose of the Project is to replace power line equipment that has reached the end of its useful life for safe operation of the lines. The objectives of the project are:

- Provide lifecycle updates of Moraga–Oakland X 115 kV four circuit power line path by removing and replacing four circuits to avoid future reliability issues while maintaining safe operations.
- Replace four project power line circuits using a larger size conductor that will accommodate the region's reasonably foreseeable future energy demands.
- Ensure the project at completion meets power line reliability and safety requirements, and industry standards.
- Construct a safe, economical, and technically feasible project that minimizes environmental and community impacts.

The Project would involve proposed upgrades to approximately 5-miles of four overhead 115 kV power lines between Moraga and Oakland X substations in the City of Orinda, unincorporated areas of Contra Costa County, and the cities of Oakland and Piedmont within Alameda County. The two existing parallel double-circuit power lines are located within existing PG&E land rights, and the Project would rebuild the four overhead lines into four hybrid lines, with both overhead (~4 miles) and underground (~1 mile) segments.

Existing towers, poles and conductors would be replaced either with overhead rebuild or underground components, and minor modifications would occur within the existing substations. Some recently replaced power line structures would be reused or reused with some modification. Single circuit transition structures would support the connection between the overhead and underground portions of each line. Double-circuit transition structures would be used to connect the underground portion to existing overhead line terminals at Oakland X Substation. Additionally, the rebuild would include the installation of optical ground wire on aboveground structures with a communication cable continuing within the underground portion.

Detail of PG&E's proposal is provided in Chapter 3 of PG&E's [Proponent's Environmental Assessment \(PEA\)](#).

PG&E's Community Wildfire Safety Program

A link for more information on PG&E's Community Wildfire Safety Program, including its Wildfire Mitigation Plan, can be found [here](#). Work under the Program is independent of the proposed Project and includes undergrounding powerlines; system hardening; enhancing powerline safety settings; reducing impacts from Public Safety Power Shutoffs; and managing trees and vegetation near powerlines.

ENVIRONMENTAL REVIEW

As the CEQA Lead Agency, the CPUC has prepared an EIR to evaluate the environmental effects of the proposed project. The following table includes estimated milestones and anticipated dates for the CEQA review process.

Project Milestones as of April 2025

Milestone	Date
Application and PEA submitted by PG&E to CPUC	November 15, 2024
Application Deemed Complete by CPUC	December 12, 2024
Notice of Preparation of EIR and Scoping	February 25, 2025 – March 27, 2025
Publication of Draft EIR	August 12, 2025
Public Review of Draft EIR	August 12, 2025 - September 26, 2025
Publication of Final EIR	1st Quarter 2026
CPUC Certification of Final EIR and CPUC Decision	1st / 2nd Quarter 2026
Start of Construction	Anticipated 2028 to 2030*

* Pre-construction mitigation compliance and ministerial permitting to occur between project approval and PG&E's start of construction.

Proponent's Environmental Assessment (PEA) and Application

PG&E filed an [application](#) and [PEA](#) for the MOX Project on November 15, 2024.

CPUC Application Review, Data Requests, and Applicant Responses

The CPUC has reviewed PG&E's application and PEA, and on December 12, 2024, determined that the application and PEA are complete. The CPUC submitted the following data requests to PG&E regarding their application information.

CPUC Completeness Letter and Data Request 1	PG&E Response to Data Request 1; Data Request 1 - Figures
CPUC Data Request 2	PG&E Response to Data Request 2; Data Request 2 AES-2 Figures
CPUC Data Request 3	PG&E Response to Data Request 3
CPUC Data Request 4	PG&E Response to Data Request 4
CPUC Data Request 5	PG&E Response to Data Request 5
CPUC Data Request 6	PG&E Response to Data Request 6 (Part A) PG&E Response to Data Request 6 (Part B)
CPUC Data Request 7	PG&E Response to Data Request 7 (Part A) PG&E Response to Data Request 7 (Part B)
CPUC Data Request 8	PG&E Response to Data Request 8

CPUC Data Request 9	PG&E Response to Data Request 9 Attachment 1 – Table ALT-6 Road Closures
CPUC Data Request 10	PG&E Response to Data Request 10
CPUC Data Request 11	PG&E Response to Data Request 11

Project Scoping

The CPUC has prepared a Notice of Preparation (NOP) of an EIR for the Project to solicit agency and public input on the scope of the EIR. The NOP may be viewed [here](#). During the scoping period, beginning February 25, 2025, and ending March 27, 2025, all interested parties, including responsible and trustee agencies, groups, and the public, are invited to provide input on the scope of the EIR.

The CPUC held two virtual public scoping meetings during a 30-day public comment period to obtain input from agencies and the public on the scope and content of the EIR. The scoping presentation may be viewed [here](#).

Recordings of the virtual scoping meetings may be viewed here for the [afternoon meeting](#), and here for the [evening meeting](#).

The Scoping Report, summarizing the meeting presentations and comments submitted, may be viewed [here](#).

Draft Environmental Impact Report

The CPUC published the Draft EIR on August 12, 2025 for a 45-day public review period, which will end on September 26, 2025.

Notice of Availability
Draft EIR - Main Text
Draft EIR - Appendices

- Appendix A: Figures and Maps
- Appendix B: Project Description Supporting Tables
- Appendix C: Scoping Report
- Appendix D: Federal Aviation Administration Determinations
- Appendix E: Aesthetics
- Appendix F: Biological Resources
- Appendix G: PG&E's Preliminary EMF Field Management Plan
- Appendix H: Paleontological Resources
- Appendix I: Air Quality Emissions Calculations

Draft EIR Public Review

A 45-day comment period for the Draft EIR begins Tuesday, August 12, 2025, and **ends at 5:00 p.m. Friday, September 26, 2025**. Written comments should reference the Moraga-Oakland X Project, A.24-11-005. Include your name, organization (if applicable), mailing address, and email address of the contact person for all future notifications related to this process. Please send your comments by email to:

Tharon Wright, CPUC
Moraga-Oakland X Project
MOX@aspeneg.com

Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your name, address, or other contact information that you provide, including your email address—will be placed in the project file and shall become part of the public record. Comments are also posted online as part of the public record. The CPUC cannot approve requests to withhold contact information from the public record.

Draft EIR Public Meetings

To provide information about the proposed Project, CEQA process, and provide an opportunity to submit verbal comments on the Draft EIR, the CPUC will hold two virtual scoping meetings on September 3, 2025.

Afternoon Virtual Public Meeting	Evening Virtual Public Meeting
Thursday, September 3, 2025 2:00 p.m.	Thursday, September 3, 2025 5:30 p.m.
Attend via Zoom:	Attend via Zoom:

<https://us02web.zoom.us/j/84794642276>

Attend via phone: +1 669 444 9171
Webinar ID: 847 9464 2276

<https://us02web.zoom.us/j/89981865478>

Attend via phone: +1 669 444 9171
Webinar ID: 899 8186 5478

COMMENTS & QUESTIONS

If you have comments, complaints, or questions regarding the Project, please contact us using the CPUC's MOX Project email or leave a message on the Project voicemail, as follows:

Project e-mail: MOX@aspeneg.com
Project voicemail: 877-225-2127

The CPUC's Project Manager is:
Tharon Wright, CPUC Project Manager
California Public Utilities Commission
c/o Aspen Environmental Group
235 Montgomery Street, Suite 967
San Francisco, CA 94104-2920

WEBSITE INFO

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