

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



January 21, 2015

**Advice Letter 4474-E**

Meredith Allen  
Senior Director, Regulatory Relations  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, CA 94177

**Subject: Submits Notice of Construction, Pursuant to G.O. 131-D, for the Construction of the Contra Costa-Moraga 230 kV Reconductoring Project in the County of Contra Costa**

Dear Ms. Allen:

Advice Letter 4474-E is effective January 2, 2015 per Executive Resolution E-4706.

Sincerely,

A handwritten signature in cursive script that reads "Edward Randolph".

Edward Randolph  
Director, Energy Division



**Meredith Allen**  
Senior Director  
Regulatory Relations

Pacific Gas and Electric Company  
77 Beale St., Mail Code B10C  
P.O. Box 770000  
San Francisco, CA 94177

Fax: 415-973-7226

August 5, 2014

**Advice 4474-E**  
(Pacific Gas and Electric Company ID U39 E)

Public Utilities Commission of the State of California

**Subject: Submits Notice of Construction, Pursuant to General Order 131-D, for the Construction of the Contra Costa-Moraga 230 Kilovolt Reconductoring Project in the County of Contra Costa**

Pacific Gas and Electric Company ("PG&E" or "the Company") hereby submits notice pursuant to General Order (G.O.) 131-D, Section XI, Subsection B.4, of the construction of facilities that are exempt from a Certificate of Public Convenience and Necessity.

**Purpose**

This advice letter provides a copy of the Notice of Proposed Construction (Attachment I) and the Notice Distribution List, which comply with the noticing requirements found in G.O. 131-D, Section XI.

**Background**

PG&E is proposing to replace the wires on (reconductor) the approximately 27-mile-long Contra Costa-Moraga 230 Kilovolt (kV) Transmission Line to maintain service reliability and meet increasing electric load demands in Contra Costa and Alameda counties (new conductors on existing structures). The existing transmission line extends between Contra Costa Power Plant Substation, located at 3325 Wilbur Avenue in the City of Antioch, and Moraga Substation, located near the intersection of Lost Valley Drive and Valley View Drive in the City of Orinda. From Contra Costa Power Plant Substation, the transmission line runs generally southwest, passing Contra Costa Substation, crossing an active railroad track, in-construction Bay Area Rapid Transit (BART) tracks, and State Route 4, and spanning residential areas in Antioch and open space areas in unincorporated Contra Costa County, until it reaches residential portions of the cities of Clayton and Concord and the Clayton Quarry. From here, the line continues further southwest, spanning open space areas and residential portions of the City of Walnut Creek, crossing Interstate 680, continuing into residential, recreational, and open space areas within the cities of Walnut Creek, Lafayette,

Orinda and the Town of Moraga, and terminating at Moraga Substation in the City of Orinda. To accommodate the new wires, PG&E will modify approximately 64 of the line's 132 lattice steel towers by adding approximately 16-foot cage extensions on approximately 53 towers, reinforcing the foundation of approximately 8 towers, adding additional steel reinforcements to approximately 37 towers, and installing or replacing switches on approximately 3 towers (new accessories on existing structures). Minor modifications would be made to the Rossmoor, Moraga, and Contra Costa Power Plant Substations to accommodate the transmission line modifications. Construction is tentatively scheduled to begin in November 2014, or as soon as project plans and approvals are in place. Construction is scheduled to be completed in July 2016, or as soon as possible after construction begins.

CPUC General Order 131-D, Section III, Subsection A, exempts projects meeting specific conditions from the CPUC's requirement to file an application requesting authority to construct. The Company believes this project qualifies for the following exemption(s),

- "the placing of new or additional conductors, insulators, or their accessories on or replacement of supporting structures already built"

Additionally, G.O. 131-D requires utilities to employ "no cost" and specified "low cost" measures to reduce public exposure to electric and magnetic fields (EMFs) in accordance with CPUC Decision 06-01-042 and the "EMF Guidelines for Electrical Facilities." The following measures are proposed for this project:

- Increase the height of overhead lines, more than otherwise required, to reduce EMF strength at ground level;
- Maintain optimal phase configuration by "cross-phasing" individual circuits to cancel magnetic fields.

This filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any other rate schedule or rule.

### **Protests**

Anyone wishing to protest this filing may do so by filing a protest with the CPUC and the Company by August 25, 2014, which is 20 days after the date of this filing. Protests should be mailed to the following address:

CPUC Energy Division  
ED Tariff Unit  
505 Van Ness Avenue  
San Francisco, California 94102

Facsimile: (415) 703-2200  
E-Mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address show above.

The protest also should be sent via U.S. mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

David T. Kraska  
Attorney, Law Department  
Pacific Gas and Electric Company  
P.O. Box 7442  
San Francisco, California 94120

Facsimile: (415) 973-0516

Meredith Allen  
Senior Director, Regulatory Relations  
Pacific Gas and Electric Company  
P.O. Box 770000, Mail Code B10C  
San Francisco, California 94177

Facsimile: (415) 973-7226  
E-Mail: PGETariffs@pge.com

Persons or groups may protest the proposed construction if they believe that the Company has incorrectly applied for an exemption or that the conditions set out in Section III.B.2 of G.O. 131-D exist.

### **Public Comment**

Individuals or groups who do not file an official protest may still submit a comment on the request to the Energy Division at the address noted above, reference Advice Letter 4474-E.

### **Effective Date**

The Company requests that this advice filing become effective on September 4, 2014, which is 30 days after the date of filing. (In accordance with G.O. 131-D, construction will not begin until 45 days after notice is first published.)

**Notice**

A copy of this advice letter is being sent electronically and via U.S. Mail to parties shown on the attached list, including the parties listed in G.O. 131-D, Section XI, Paragraphs B.1 and B.2. These parties are identified in the "Notice Distribution List" included in Attachment I. All electronic approvals should be sent to e-mail [PGETariffs@pge.com](mailto:PGETariffs@pge.com). Advice letter filings can also be accessed electronically at <http://www.pge.com/tariffs/>.

*Meredith Allen /KAC*

Senior Director – Regulatory Relations

cc: Parties Listed in G.O. 131-D, Paragraphs B.1 and B.2

Attachments

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No. **Pacific Gas and Electric Company (ID U39 E)**

Utility type:

ELC       GAS  
 PLC       HEAT       WATER

Contact Person: Kingsley Cheng

Phone #: (415) 973-5265

E-mail: k2c0@pge.com and PGETariffs@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric      GAS = Gas  
PLC = Pipeline      HEAT = Heat      WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **4474-E**

Tier: N/A

Subject of AL: **Submits Notice of Construction, Pursuant to General Order 131-D, for the Construction of the Contra Costa-Moraga 230 Kilovolt Reconductoring Project in the County of Contra Costa**

Keywords (choose from CPUC listing): Power Lines

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other \_\_\_\_\_

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: N/A

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: \_\_\_\_\_

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: \_\_\_\_\_

Resolution Required?  Yes  No

Requested effective date: **September 4, 2014**

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed: N/A

Pending advice letters that revise the same tariff sheets: N/A

Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:

**California Public Utilities Commission**  
**Director, Energy Division**  
**505 Van Ness Ave., 4<sup>th</sup> Floor**  
**San Francisco, CA 94102**  
**E-mail: EDTariffUnit@cpuc.ca.gov**

**Pacific Gas and Electric Company**  
**Attn: Meredith Allen, Senior Director, Regulatory Relations**  
**77 Beale Street, Mail Code B10C**  
**P.O. Box 770000**  
**San Francisco, CA 94177**  
**E-mail: PGETariffs@pge.com**

**NOTICE OF PROPOSED CONSTRUCTION**

Para más detalles llame 1-800-660-6789

**PROJECT NAME: CONTRA COSTA-MORAGA 230 KV TRANSMISSION LINE RECONDUCTORING PROJECT - (Contra Costa County, P. No. 03355)**  
**ADVICE LETTER NUMBER: 4474-E**

**Proposed Project:** PG&E is proposing to replace the wires on (reconductor) the approximately 27-mile-long Contra Costa-Moraga 230 Kilovolt (kV) Transmission Line to maintain service reliability and meet increasing electric load demands in Contra Costa and Alameda counties (new conductors on existing structures). The existing transmission line extends between Contra Costa Power Plant Substation, located at 3325 Wilbur Avenue in the City of Antioch, and Moraga Substation, located near the intersection of Lost Valley Drive and Valley View Drive in the City of Orinda. From Contra Costa Power Plant Substation, the transmission line runs generally southwest, passing Contra Costa Substation, crossing an active railroad track, in-construction Bay Area Rapid Transit (BART) tracks, and State Route 4, and spanning residential areas in Antioch and open space areas in unincorporated Contra Costa County, until it reaches residential portions of the cities of Clayton and Concord and the Clayton Quarry. From here, the line continues further southwest, spanning open space areas and residential portions of the City of Walnut Creek, crossing Interstate 680, continuing into residential, recreational, and open space areas within the cities of Walnut Creek, Lafayette, Orinda and the Town of Moraga, and terminating at Moraga Substation in the City of Orinda. To accommodate the new wires, PG&E will modify approximately 64 of the line's 132 lattice steel towers by adding approximately 16-foot cage extensions on approximately 53 towers, reinforcing the foundation of approximately 8 towers, adding additional steel reinforcements to approximately 37 towers, and installing or replacing switches on approximately 3 towers (new accessories on existing structures). Minor modifications would be made to the Rossmoor, Moraga, and Contra Costa Power Plant Substations to accommodate the transmission line modifications. Construction is tentatively scheduled to begin in November 2014, or as soon as project plans and approvals are in place. Construction is scheduled to be completed in July 2016, or as soon as possible after construction begins.

**Electric and Magnetic Fields (EMF):** PG&E will employ "no cost" and specified "low cost" measures to reduce public exposure to EMF in accordance with California Public Utilities Commission (CPUC) Decision 06-01-042 and PG&E's "EMF Design Guidelines for Electrical Facilities." The following measures are proposed for this project:

- Increase the height of overhead lines, more than otherwise required, to reduce EMF strength at ground level;
- Maintain optimal phase configuration by "cross-phasing" individual circuits to cancel magnetic fields.

**Exemption from CPUC Permit Requirement:** CPUC General Order 131-D, Section III, A, exempts a utility from the CPUC's requirement to file an application requesting authority to construct if a project meets specific conditions. This project qualifies for the following exemption:

- "the placing of new or additional conductors, insulators, or their accessories on or replacement of supporting structures already built"

**Additional Project Information:** To obtain further information on the proposed project, please call PG&E's Project Information Line at (415) 973-5530.

**Public Review Process:** Individuals or groups may protest the proposed construction if they believe that PG&E has incorrectly applied for an exemption or that the conditions set out in Section III.B.2 of General Order 131-D exist;

- a. There is reasonable possibility that the activity may have an impact on an environmental resource of hazardous or critical concern where designated, precisely mapped and officially adopted pursuant to law by federal, state, or local agencies; or
- b. The cumulative impact of successive projects of the same type in the same place, over time, is significant; or
- c. There is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.

Protests should include the following:

1. Your name, mailing address and daytime telephone number.
2. Reference to the CPUC Advice Letter Number and Project Name.
3. A clear description of the reason for the protest.
4. Whether you believe that evidentiary hearings are necessary to resolve factual disputes.

**Protests for this project must be filed by August 25, 2014 at the following address:**

Director, Energy Division  
California Public Utilities Commission

With a copy mailed to:

David Kraska, Law Department  
Pacific Gas and Electric Company

505 Van Ness Avenue, Fourth Floor  
San Francisco, California 94102

P.O. Box 7442  
San Francisco, California 94120

PG&E must respond within five business days of receipt and serve its response on each protestant and the Energy Division. Within 30 days after PG&E has submitted its response, the CPUC Executive Director will send you a copy of an Executive Resolution granting or denying PG&E's request and stating the reasons for the decision.

**Assistance in Filing a Protest:** If you need assistance in filing a protest, contact the CPUC Public Advisor:  
email: [public.advisor@cpuc.ca.gov](mailto:public.advisor@cpuc.ca.gov) or call: 1-866-849-8390 (toll-free), or (415) 703-2074, or TTY (415) 703-5258

**Public Comment:** Even if you do not want to file an official protest, you may still comment on the request. To do so, send your comments to the Energy Division at the address noted above. Please reference Advice Letter 4474-E.

## **Notice Distribution List**

Contra Costa-Moraga 230 Kilovolt Transmission Line Reconductoring Project  
(Contra Costa County)

### **Advice 4474-E**

#### **Energy Commission**

Mr. Robert Oglesby, Executive Director  
California Energy Commission  
1516 Ninth Street, Mail Stop 39  
Sacramento, California 95814

Mr. Drew Bohan, Deputy Director  
California Energy Commission  
1516 Ninth Street, Mail Stop 39  
Sacramento, California 95814

#### **California Department of Fish and Wildlife**

Mr. Serge Glushkoff  
California Department of Fish and Wildlife, Bay Delta Region  
7329 Silverado Trail  
Yountville, California 94559

#### **State Water Resources Control Board**

Mr. Bill Orme  
Chief, 401 Certification and Wetlands Unit, Division of Water Quality  
State Water Resources Control Board  
1001 "I" Street, 15th Floor  
Sacramento, CA 95814

#### **California Regional Water Quality Control Board, Central Valley Region**

Ms. Elizabeth M. Lee, P.E.  
401 Water Quality Certification/Municipal Storm Water Unit Supervisor  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive, Suite 200  
Rancho Cordova, CA 95670

#### **California Regional Water Quality Control Board, San Francisco Bay Region**

Contra Costa County 401 Water Quality Certification Staff  
San Francisco Bay Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

**County of Contra Costa**

Ms. Aruna Bhat  
Deputy Director  
Contra Costa County  
Department of Conservation and Development, Community Development Division  
30 Muir Road  
Martinez, CA 94553

**City of Antioch**

Ms. Tina Wehrmeister  
Director of Community Development  
City of Antioch  
200 H Street  
Antioch, CA 94531

**City of Clayton**

Mr. Charlie Mullen  
Community Development Director  
City of Clayton  
6000 Heritage Trail  
Clayton, CA 94517

**City of Concord**

Ms. Victoria Walker  
Director  
Community & Economic Development Department  
City of Concord  
1950 Parkside Drive, MS/01  
Concord, CA 94519

**City of Walnut Creek**

Mr. Steve Buckley  
Planning Manager  
City of Walnut Creek  
1666 N Main Street  
Walnut Creek, CA 94596

**City of Lafayette**

Ms. Niroop Srivatsa  
Director  
Planning & Building Department  
City of Lafayette  
3675 Mt. Diablo Boulevard #210  
Lafayette, California 94549

**Town of Moraga**

Ms. Shawna Brekke-Read  
Planning Director  
Town of Moraga  
329 Rheem Boulevard  
Moraga, California 94556

**City of Orinda**

Mr. Emmanuel Ursu  
Planning Director  
City of Orinda  
22 Orinda Way  
Orinda, CA 94563

**Newspaper**

Contra Costa Times

## **PG&E Gas and Electric Advice Filing List**

AT&T	Douglass & Liddell	Occidental Energy Marketing, Inc.
Alcantar & Kahl LLP	Downey & Brand	OnGrid Solar
Anderson & Poole	Ellison Schneider & Harris LLP	Pacific Gas and Electric Company
BART	G. A. Krause & Assoc.	Praxair
Barkovich & Yap, Inc.	GenOn Energy Inc.	Regulatory & Cogeneration Service, Inc.
Bartle Wells Associates	GenOn Energy, Inc.	SCD Energy Solutions
Braun Blaising McLaughlin, P.C.	Goodin, MacBride, Squeri, Schlotz & Ritchie	SCE
CENERGY POWER	Green Power Institute	SDG&E and SoCalGas
California Cotton Ginners & Growers Assn	Hanna & Morton	SPURR
California Energy Commission	In House Energy	San Francisco Public Utilities Commission
California Public Utilities Commission	International Power Technology	Seattle City Light
California State Association of Counties	Intestate Gas Services, Inc.	Sempra Utilities
Calpine	K&L Gates LLP	SoCalGas
Casner, Steve	Kelly Group	Southern California Edison Company
Center for Biological Diversity	Linde	Spark Energy
City of Palo Alto	Los Angeles County Integrated Waste Management Task Force	Sun Light & Power
City of San Jose	Los Angeles Dept of Water & Power	Sunshine Design
Clean Power	MRW & Associates	Tecogen, Inc.
Coast Economic Consulting	Manatt Phelps Phillips	Tiger Natural Gas, Inc.
Commercial Energy	Marin Energy Authority	TransCanada
Cool Earth Solar, Inc.	McKenna Long & Aldridge LLP	Utility Cost Management
County of Tehama - Department of Public Works	McKenzie & Associates	Utility Power Solutions
Crossborder Energy	Modesto Irrigation District	Utility Specialists
Davis Wright Tremaine LLP	Morgan Stanley	Verizon
Day Carter Murphy	NLine Energy, Inc.	Water and Energy Consulting
Defense Energy Support Center	NRG Solar	Wellhead Electric Company
Dept of General Services	Nexant, Inc.	Western Manufactured Housing Communities Association (WMA)
Division of Ratepayer Advocates	North America Power Partners	