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,

Edward Randolph
Director, Energy Division
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. Advice letter filings can also be accessed electronically at http://www.pge.com/tariffs/.

Meredith Allen /KHC

Senior Director – Regulatory Relations

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

Attachments
<table>
<thead>
<tr>
<th>Company name/CPUC Utility No.</th>
<th>Pacific Gas and Electric Company (ID U39 E)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility type:</td>
<td>Contact Person: Kingsley Cheng</td>
</tr>
<tr>
<td>☑ ELC  ☐ GAS</td>
<td>Phone #: (415) 973-5265</td>
</tr>
<tr>
<td>☐ PLC  ☐ HEAT  ☐ WATER</td>
<td>E-mail: <a href="mailto:k2c0@pge.com">k2c0@pge.com</a> and <a href="mailto:PGETariffs@pge.com">PGETariffs@pge.com</a></td>
</tr>
</tbody>
</table>

**EXPLANATION OF UTILITY TYPE**
ELC = Electric  GAS = Gas  PLC = Pipeline  HEAT = Heat  WATER = Water

**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., 4th 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
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:

With a copy mailed to:

Director, Energy Division
California Public Utilities Commission

David Kraska, Law Department
Pacific Gas and Electric Company
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 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
Alcantar & Kahl LLP
Anderson & Poole
BART
Barkovich & Yap, Inc.
Bartle Wells Associates
Braun Blasing McLaughlin, P.C.

CENERGY POWER
California Cotton Ginners & Growers Assn
California Energy Commission
California Public Utilities Commission
California State Association of Counties
Calpine
Casner, Steve
Center for Biological Diversity
City of Palo Alto
City of San Jose
Clean Power
Coast Economic Consulting
Commercial Energy
Cool Earth Solar, Inc.
County of Tehama - Department of Public Works
Crossborder Energy
Davis Wright Tremaine LLP
Day Carter Murphy
Defense Energy Support Center
Dept of General Services
Division of Ratepayer Advocates

Douglass & Liddell
Downey & Brand
Ellison Schneider & Harris LLP
G. A. Krause & Assoc.
GenOn Energy Inc.
GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Power Institute
Hanna & Morton
In House Energy
International Power Technology
Intestate Gas Services, Inc.
K&L Gates LLP
Kelly Group
Linde
Los Angeles County Integrated Waste Management Task Force
Los Angeles Dept of Water & Power
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenna Long & Aldridge LLP
McKenzie & Associates
Modesto Irrigation District
Morgan Stanley
NLine Energy, Inc.
NRG Solar
Nexant, Inc.
North America Power Partners
Occidental Energy Marketing, Inc.
OnGrid Solar
Pacific Gas and Electric Company
Praxair
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
SCE
SDG&E and SoCalGas
SPURR
San Francisco Public Utilities Commission
Seattle City Light
Sempra Utilities
SoCalGas
Southern California Edison Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
Tiger Natural Gas, Inc.
TransCanada
Utility Cost Management
Utility Power Solutions
Utility Specialists
Verizon
Water and Energy Consulting
Wellhead Electric Company
Western Manufactured Housing
Communities Association (WMA)