

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Pacific Gas & Electric Company
GAS (Corp ID 39)
Status of Advice Letter 4467G
As of August 4, 2021

Subject: Clean Up of Gas Rule 29 Standard Renewable Gas Interconnections

Division Assigned: Energy

Date Filed: 07-09-2021

Date to Calendar: 07-14-2021

Authorizing Documents: None

Disposition:	Accepted
Effective Date:	07-09-2021

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Annie Ho

415-973-8794

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov

July 9, 2021

Advice 4467-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

Subject: Clean Up of Gas Rule 29 – Standard Renewable Gas Interconnections

Purpose

The purpose of this advice letter is to revise Pacific Gas and Electric (PG&E) Company's Gas Rule 29 to correct for typographical errors.

Background

On September 28, 2020, PG&E filed advice 4315-G to *Establish a Standard Renewable Gas Interconnection Tariff Pursant to Decision (D.) 20-08-035*. Table 1 – Maximum Levels of Constituents of Concern incorrectly included the same values for both the Trigger Level and Lower Action Level.

Tarriff Revisions

- Section F.1.c IV, Sheet 13: Remove double numbering error in Section F.1.d.iv.
- Section K.2.a, Sheet 24: Table 1 - Maximum Levels of Constituents of Concern for Arsenic, p-Dichlorobenzene, Ethylbenzene, n_Nitoroso-di-n-propylamine and Vinal Chloride are revised to correct for typographical corrections consistent with D.20-08-035.

For your convenience, redline versions of the tariff revisions are included as Attachment 2.

Protests

*****Due to the COVID-19 pandemic, PG&E is currently unable to receive protests or comments to this advice letter via U.S. mail or fax. Please submit protests or comments to this advice letter to EDTariffUnit@cpuc.ca.gov and PGETariffs@pge.com*****

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than July 29, 2021, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
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 shown above.

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

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

Pursuant to General Order (GO) 96-B, Rule 5.1, this advice letter is submitted with a Tier 1 designation. PG&E requests that this Tier 1 advice submittal become effective upon date of submittal which is July 9, 2021.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the service lists for R.13-02-008. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

_____/S/

Sidney Dietz
Director, Regulatory Relations

Attachments
Attachment 1 – Tariffs
Attachment 2 – Gas Rule 29 redline

cc: Service list R.13-02-008



ADVICE LETTER 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 G)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Annie Ho
 Phone #: (415) 973-8794
 E-mail: PGETariffs@pge.com
 E-mail Disposition Notice to: AMHP@pge.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4467-G

Tier Designation: 1

Subject of AL: Clean Up of Gas Rule 29 – Standard Renewable Gas Interconnections

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

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

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:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 7/9/21

No. of tariff sheets: 4

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: Gas Rule 29

Service affected and changes proposed¹: N/A

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

¹Discuss in AL if more space is needed.

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

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Sidney Bob Dietz II, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
37283-G	GAS RULE 29 RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM Sheet 13	36409-G
37284-G	GAS RULE 29 RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM Sheet 24	36420-G
37285-G	GAS TABLE OF CONTENTS Sheet 1	37279-G
37286-G	GAS TABLE OF CONTENTS Sheet 8	37282-G



GAS RULE 29

Sheet 13

RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM

F. Preliminary and Detailed Engineering Studies (Cont'd.):

1. Preliminary Engineering Study (PES) (Cont'd.):

c. Scope of Services (Cont'd.):

Utility provides:

- i. Confirmation that the intended Utility pipeline system has sufficient physical Takeaway Capacity to safely accommodate Interconnector's specified maximum delivery volume.
- ii. Recommendation as to the pipeline route using Utility rights of way for interconnection to the gas system.
- iii. Confirmation of the then-current maximum allowable operating pressure and, if available, operating pressures of the Utility's gas system.
- iv. Potential obstructions in the pipeline route, if applicable, as determined by physical observation by Utility. (T)
- v. Cost estimate calculated by the Utility including, but not limited to, land acquisition, site development, right-of-way, metering, gas quality, permitting, regulatory, environmental, unusual construction costs and, if applicable, operating and maintenance costs for any facility improvements. Other service costs associated with construction of the facility that are not part of already offered services could include, but not be limited to, engineering, consulting, contracting, construction costs, environmental studies.

Utility will provide a cost estimate accurate to +100%/- 50% or better based on a site visit and route evaluation for the Interconnector's project in the preliminary engineering estimate.

Because of the exclusions and limitations of this initial review, Utility does not guarantee or recommend use of the PES for any purpose, including any substantive planning or other decisions regarding the cost or viability of its project except to determine whether to proceed with a detailed engineering study.

Any use by the Interconnector is solely at its own risk and should factor in the above risks and limitations.

d. Interconnector Pre-payment of Utility Cost Estimates

Interconnector is required to provide funding in advance of a PES being performed for Interconnector's proposed project. Utility personnel will charge their time and any necessary materials to analyze the project on an actual cost basis. Additional funding will be required from Interconnector to continue work if the actual costs exceed the advance.

(Continued)



GAS RULE 29 Sheet 24
RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM

- K. Renewable Gas Quality and Specifications (Cont'd.):
2. Renewable Gas Constituent Concentrations (Cont'd.):
- a. Renewable Gas must conform to the specifications listed in Table 1 and Table 2

Table 1 Maximum Constituent Concentrations						
Renewable Gas Injection Constituents				Testing for Gas Source		
	Trigger Level	Lower Action Level	Upper Action Level	Non-Hazardous Landfill	Dairies	Other⁴
Base Gas Quality Specifications ¹				●	●	●
Health Protective Constituents (HPC) – Carcinogenic ²						
Arsenic	0.019 mg/m ³ 0.006 ppmv	0.19 mg/m ³ 0.06 ppmv	0.48 mg/m ³ 0.15 ppmv	●		
p-Dichlorobenzene	5.7 mg/m ³ 0.95 ppmv	57 mg/m ³ 9.5 ppmv	140 mg/m ³ 24 ppmv	●		●
Ethylbenzene	26 mg/m ³ 6.0 ppmv	260 mg/m ³ 60 ppmv	650 mg/m ³ 150 ppmv	●	●	●
n-Nitroso-di-n-propylamine	0.033 mg/m ³ 0.006 ppmv	0.33 mg/m ³ 0.06 ppmv	0.81 mg/m ³ 0.15 ppmv	●	●	
Vinyl Chloride	0.84 mg/m ³ 0.33 ppmv	8.4 mg/m ³ 3.3 ppmv	21 mg/m ³ 8.3 ppmv	●		●
Health Protective Constituents (HPC) - Non-Carcinogenic ²						
Antimony	0.60 mg/m ³ 0.12 ppmv	6.0 mg/m ³ 1.2 ppmv	30 mg/m ³ 6.1 ppmv	●		
Copper	0.060 mg/m ³ 0.02 ppmv	0.60 mg/m ³ 0.23 ppmv	3.0 mg/m ³ 1.2 ppmv	●		
Hydrogen Sulfide ⁶	30 mg/m ³ 22 ppmv	300 mg/m ³ 216 ppmv	1500 mg/m ³ 1080 ppmv	●	●	●
Lead	0.075 mg/m ³ 0.009 ppmv	0.75 mg/m ³ 0.09 ppmv	3.8 mg/m ³ 0.44 ppmv	●		
Mercaptans (Alkyl Thiols) ⁶	12 ppmv	120 ppmv	610 ppmv	●	●	●
Methacrolein	1.1 mg/m ³ 0.37 ppmv	11 mg/m ³ 3.7 ppmv	53 mg/m ³ 18 ppmv	●		
Toluene	904 mg/m ³ 240 ppmv	9000 mg/m ³ 2400 ppmv	45000 mg/m ³ 12000 ppmv	●	●	●

(T)
(T)
(T)
(T)
(T)
(T)

(Continued)



GAS TABLE OF CONTENTS

Sheet 1

TITLE OF SHEET	CAL P.U.C. SHEET NO.	
Title Page	37285-G	(T)
Rate Schedules	37263,37264-G	
Preliminary Statements.....	37265,36670-G	
Preliminary Statements, Rules	37280-G	
Rules, Maps, Contracts and Deviations.....	37281, 37286-G	(T)
Sample Forms	37148,37140,37006,36778,36779*-G	

(Continued)

Advice 4467-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

July 9, 2021



GAS TABLE OF CONTENTS

Sheet 8

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
------	----------------	-------------------------

Rules

Rule 28	Mobilehome Park Utility Upgrade Program.....	36153,36261,36155,36156,36157,37278,36159,36160-G	
Rule 29	Renewable Gas Interconnections to Utility's Pipeline System	36397,36398,36399,36400, 36401,36402,36403,36404,36405,36406,36407,36408, 37283 ,36410,36411, 36412,36413,36414,36415,36416,36417,36418,36419, 37284 ,36421,36422, 36423,36424,36425,36426,36427,36428,36429,36430,36431,36432-G	(T) (T)

Maps, Contracts and Deviations

SERVICE AREA MAPS:

Gas Service Area Map.....	31641-G
---------------------------	---------

LIST OF CONTRACTS AND DEVIATIONS:

..... 20211,13247,13248,28466,17112,22437, 37275, 37276,13254,14426,13808,35193, 20390,16287,29333,29053,29334,14428,13263,14365,32879,35654,34830,13267-G

Sample Forms

79-1088	Supplemental Agreement For Limited Gas Transmission Capacity	36853-G
---------	--	---------

**Sample Forms
Rule 2 Description of Service**

79-1049	Agreement to Install Applicant Requested Common Special Facilities	36852-G
---------	--	---------

**Sample Forms
Rule 3 Application for Service**

02-2590	Continuous Service Agreement	36827**-G
62-0683	Application for Service-Residential Single Family Dwelling	36830-G
62-0684	Application for Service-Residential Subdivision/Development.....	36831-G
62-0685	Application for Service-Commercial/Industrial Development	36832-G
62-0686	Application for Service-Agricultural Service	36833-G
62-0687	Application for Service – Existing Service Relocate / Change Service	36834-G
62-3282	Request for Service	36836-G
79-255	Agreement for Installation or Allocation of Special Facilities	36876-G
79-1099	Property Management Authorization Agreement	36859-G

**Sample Forms
Rule 13 Temporary Service**

79-875	Rule 13 Temporary Service Agreement.....	36892-G
--------	--	---------

(Continued)

Advice 4467-G
July 9, 2021

Attachment 2

Redline Tariffs



GAS RULE 29

RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM (N)

F. Preliminary and Detailed Engineering Studies (Cont'd.): (N)

1. Preliminary Engineering Study (PES) (Cont'd.):

c. Scope of Services (Cont'd.):

Utility provides:

- i. Confirmation that the intended Utility pipeline system has sufficient physical Takeaway Capacity to safely accommodate Interconnector's specified maximum delivery volume.
- ii. Recommendation as to the pipeline route using Utility rights of way for interconnection to the gas system.
- iii. Confirmation of the then-current maximum allowable operating pressure and, if available, operating pressures of the Utility's gas system.
- iv. ~~IV.~~ Potential obstructions in the pipeline route, if applicable, as determined by physical observation by Utility.
- v. Cost estimate calculated by the Utility including, but not limited to, land acquisition, site development, right-of-way, metering, gas quality, permitting, regulatory, environmental, unusual construction costs and, if applicable, operating and maintenance costs for any facility improvements. Other service costs associated with construction of the facility that are not part of already offered services could include, but not be limited to, engineering, consulting, contracting, construction costs, environmental studies.

Utility will provide a cost estimate accurate to +100%/- 50% or better based on a site visit and route evaluation for the Interconnector's project in the preliminary engineering estimate.

Because of the exclusions and limitations of this initial review, Utility does not guarantee or recommend use of the PES for any purpose, including any substantive planning or other decisions regarding the cost or viability of its project except to determine whether to proceed with a detailed engineering study.

Any use by the Interconnector is solely at its own risk and should factor in the above risks and limitations.

d. Interconnector Pre-payment of Utility Cost Estimates

Interconnector is required to provide funding in advance of a PES being performed for Interconnector's proposed project. Utility personnel will charge their time and any necessary materials to analyze the project on an actual cost basis. Additional funding will be required from Interconnector to continue work if the actual costs exceed the advance.

(N)

(Continued)



GAS RULE 29

RENEWABLE GAS INTERCONNECTIONS TO UTILITY'S PIPELINE SYSTEM

K. Renewable Gas Quality and Specifications (Cont'd.):

(N)

2. Renewable Gas Constituent Concentrations (Cont'd.):

a. Renewable Gas must conform to the specifications listed in Table 1 and Table 2

Table 1 Maximum Constituent Concentrations						
Renewable Gas Injection Constituents				Testing for Gas Source		
	Trigger Level	Lower Action Level	Upper Action Level	Non-Hazardous Landfill	Dairies	Other ⁴
Base Gas Quality Specifications ¹				●	●	●
Health Protective Constituents (HPC) – Carcinogenic ²						
Arsenic	0.019 mg/m ³ 0.006 ppmv	0.019 mg/m ³ 0.006 ppmv	0.48 mg/m ³ 0.15 ppmv	●		
p-Dichlorobenzene	5.7 mg/m ³ 0.95 ppmv	5.7 mg/m ³ 0.95 ppmv	140 mg/m ³ 24 ppmv	●		●
Ethylbenzene	26 mg/m ³ 6.0 ppmv	260 mg/m ³ 6.0 ppmv	650 mg/m ³ 150 ppmv	●	●	●
n-Nitroso-di-n-propylamine	0.033 mg/m ³ 0.006 ppmv	0.033 mg/m ³ 0.006 ppmv	0.81 mg/m ³ 0.15 ppmv	●	●	
Vinyl Chloride	0.84 mg/m ³ 0.33 ppmv	0.84 8.4 mg/m ³ 0.33 3.3 ppmv	21 mg/m ³ 8.3 ppmv	●		●
Health Protective Constituents (HPC) - Non-Carcinogenic ²						
Antimony	0.60 mg/m ³ 0.12 ppmv	6.0 mg/m ³ 1.2 ppmv	30 mg/m ³ 6.1 ppmv	●		
Copper	0.060 mg/m ³ 0.02 ppmv	0.60 mg/m ³ 0.23 ppmv	3.0 mg/m ³ 1.2 ppmv	●		
Hydrogen Sulfide ⁶	30 mg/m ³ 22 ppmv	300 mg/m ³ 216 ppmv	1500 mg/m ³ 1080 ppmv	●	●	●
Lead	0.075 mg/m ³ 0.009 ppmv	0.75 mg/m ³ 0.09 ppmv	3.8 mg/m ³ 0.44 ppmv	●		
Mercaptans (Alkyl Thiols) ⁶	12 ppmv	120 ppmv	610 ppmv	●	●	●
Methacrolein	1.1 mg/m ³ 0.37 ppmv	11 mg/m ³ 3.7 ppmv	53 mg/m ³ 18 ppmv	●		
Toluene	904 mg/m ³ 240 ppmv	9000 mg/m ³ 2400 ppmv	45000 mg/m ³ 12000 ppmv	●	●	●

(N)

(Continued)

**PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV**

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

East Bay Community Energy Ellison
Schneider & Harris LLP Energy
Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie

Green Power Institute
Hanna & Morton
ICF

IGS Energy
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy