

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



Pacific Gas & Electric Company
GAS (Corp ID 39)
Status of Advice Letter 4316G
As of October 27, 2020

Subject: Revisions to Gas Rule Nos. 1, 2, 14, and 21, and Gas Sample Forms 79-756 and 79-866 in Compliance with D.20-08-035

Division Assigned: Energy

Date Filed: 09-28-2020

Date to Calendar: 10-02-2020

Authorizing Documents: D2008035

Disposition:	Accepted
Effective Date:	10-28-2020

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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

September 28, 2020

Advice 4316-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

Subject: Revisions to Gas Rule Nos. 1, 2, 14, and 21, and Gas Sample Forms 79-756 and 79-866 in Compliance with D.20-08-035

Purpose

The purpose of this Advice Letter is submit revisions to PG&E's Gas Rule Nos. 1 (*Definitions*), 2 (*Description of Service*), 14 (*Capacity Allocation and Constraint of Natural Gas Service*), and 21 (*Transportation of Natural Gas*), and Gas Sample Forms 79-756 (*Natural Gas Service Agreement*) and 79-866 (*Gas Transmission Service Agreement*) as necessary to implement a new Standard Renewable Gas Interconnection Tariff in compliance with California Public Utilities Commission (CPUC) Decision (D.) 20-08-035 Ordering Paragraph (OP) 2.

Background

Assembly Bill (AB) 1900 enacted into law in Chapter 602 of the Statutes of 2012 required the California Public Utilities Commission (Commission or CPUC) to adopt policies and programs to promote the in-state production and distribution of biomethane. Order Instituting Rulemaking 13-02-008 (Rulemaking or R.) was initiated on February 13, 2013, to implement provisions of AB 1900. CPUC Decision 14-01-034 developed pipeline injection standards and requirements to permit the safe injection of biomethane into a jurisdictional common carrier pipeline.

On July 5, 2018, the Assigned Commissioner published an amended scoping memo and ruling opening the third phase of R. 13-02-008 to further develop a biomethane renewable natural gas industry in response to legislative direction. The Scoping Memo stated, "... in order to promote development of a statewide biomethane industry across all investor-owned utility territories and reduce barriers to entry, it is important to establish a standardized utility biomethane interconnection tariff and standardized interconnection pro forma forms for the use of biomethane projects across the state."¹

¹ Assigned Commissioner's Amended Scoping Memo And Ruling, p.7.

Pursuant to OP 2 of D.20-08-035, PG&E is concurrently submitting Advice 4315-G – *Establish a Standard Renewable Gas Interconnection Tariff Pursuant to D.20-08-035*, to implement a new Standard Renewable Gas Interconnection Tariff as Gas Rule 29.

In this advice letter, PG&E is submitting revisions to Gas Rule 1, 2, 14, and 21, and Gas Sample Forms 79-756 and 79-866. PG&E is making these revisions in order to be consistent with the proposed addition of Gas Rule 29 submitted in Advice 4315-G. The affected tariff sheets are listed on the enclosed Attachment 1. For convenience of the reader, PG&E has included redline revisions of the tariffs in Attachment 2.

Tariff Revisions

In compliance with D.20-08-035, PG&E is revising the following tariffs in conjunction with the new Gas Rule 29:

Gas Rule 1 (Definitions)

- Updates the definition of Alternative Fuel to remove the word “natural” in order to not limit the type of gas alternative fuels may be used in lieu of.
- Updates the definition of “Biomethane” to include the reference that it must conform to the gas quality specifications in both Gas Rule Nos. 21 and 29.
- Updates the definition of “California Production” to include reference that it must meet the gas quality requirements of both Gas Rule Nos. 21 and 29.
- Updates the definition of Capacity to remove the word “natural” in order to not limit the type of gas that can be produced, transported, stored, and distributed or utilized in a given period of time on the PG&E Backbone pipeline network or at point(s) of interconnection.
- Updates the definition of Capacity Constraint to remove the word “natural” in order to not limit the type of gas affected by restriction or limitation.
- Updates the definition of Cogeneration to remove the word “natural” in order to not limit the type of gas cited.
- Updates the definition of Core End-Use Customer to remove the word “natural” in order to not limit the type of gas for End-Use Customers’ use.
- Updates the definition of Core Transport Agent to remove the word “natural” in order to not limit the type of gas managed by the agent.

- Updates the definition of “Delivery Point(s)” to remove the word “natural” in order to not limit the type of gas transported to the Customer.
- Adds new definition “Displacement Receipt Point Capacity”, a defined term in the Standard Renewable Gas Interconnection Tariff.
- Updates the definition of “Distribution System” to remove the word “natural” in order to not limit the type of gas supplied from the point of local supply to and including the meter.
- Updates the definition of “Electric-Utility Start Up and Ignitor Fuel” to remove the word “natural” in order to not limit the type of gas use.
- Adds new definition “Expansion Receipt Point Capacity”, a defined term in the Standard Renewable Gas Interconnection Tariff.
- Updates the definition of “Gas” to coincide as it is defined in the Standard Renewable Gas Interconnection Tariff.
- Updates the definition of “Intrastate Transportation” to remove the word “natural” in order to not limit the type of gas transported on the PG&E system.
- Updates the definition of Maximum Daily Quantity (MDQ) to remove the word “natural” in order to not limit the type of gas that can be nominated.
- Adds new definition “Merchantability”, a defined term in the Standard Renewable Gas Interconnection Tariff.
- Updates the definition of “Meter” to remove the word “natural” in order to not limit the type of gas measured.
- Adds new definition “Raw Product Gas or Feedstock Gas”, a defined term in the Standard Renewable Gas Interconnection Tariff. The definition’s “*this Rule’s*” was modified for addition to Gas Rule No. 1, Definitions, to list “*Gas Rule 29’s*” as the specific Gas Rule listing the quality specifications the gas must comply with.
- Updates the definition of “Receipt Point(s)” to remove the word “natural” in order to not limit the type of gas delivered into the PG&E pipeline system.
- Updates the definition of Wholesale/Resale Customer to remove the word “natural” in order to not limit the type of gas transported for resale.
- Adds new definition “Wobbe Index”, a defined term in the Standard Renewable Gas Interconnection Tariff.

Gas Rule No. 2 (Description of Service)

- Removes the term “natural” throughout in order to not limit the type of source gas supplied by PG&E.
- Adds language allowing for, but not limiting, the type of gas produced.
- Adds reference to CPUC General Order 58-B (Heating Value Measurement Standard for Gaseous Fuels) as a standard, in addition to stated General Order 58-A, that is applicable to PG&E’s furnishing of manufactured, natural, hydrocarbon or a mixture of fuel gases for residential, commercial, industrial or other purposes.

Gas Rule No. 14 (*Capacity Allocation and Constraint of Natural Gas Service*)

- Removes the term “natural” from the title and body in order to not limit the type of gas that may be reduced, interrupted or allocated for gas transportation, storage or supply services for operational reasons or to comply with regulatory requirements in the event of projected or actual supply or capacity shortages.
- Clarifies that PG&E may refuse to accept gas or to accept limited amounts of gas if the gas does not conform to the quality specifications in Gas Rule No. 21 for fossil gas or Gas Rule Nos. 21 and 29 for renewable gas.

Gas Rule No. 21 (*Transportation of Natural Gas*)

- Removes the term “natural” from the title and body in order to not limit the type of gas that can be received into the pipeline system.
- Updates the definition of “Merchantability” as a defined term in the Standard Renewable Gas Interconnection Tariff.
- Removes reference to requirements applicable to biomethane injected into PG&E’s gas pipeline system as redundant. The language is currently reflected in Gas Rule 29, the Standard Renewable Gas Interconnection Tariff.
- Removes reference to the monetary incentive program standards and protocols that a biomethane project developer must comply with as redundant. The program description is reflected in Gas Rule 29, the Standard Renewable Gas Interconnection Tariff.
- Adds interconnection as a type of agreement required to be executed by an Interconnector and PG&E prior to final interconnection and gas flow.

Gas Sample Form 79-756 (*Natural Gas Service Agreement*)

- Adds Gas Rule 29 as an applicable tariff.

Gas Sample Form 79-866 (Gas Transmission Service Agreement)

- Adds language to the Gas Quality and Operating Procedures section that gas delivered to PG&E by and/or on behalf of a Customer pursuant to the GTSA shall meet the quality specifications in Gas Rule No. 21 for fossil gas or Gas Rule Nos. 21 and 29 for renewable gas.
- Adds Gas Rule 29 as an applicable tariff.

This submittal would not increase any current rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

Protests

*****Due to the COVID-19 pandemic and the shelter at home orders, 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 October 19, 2020, which is 21 days² 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:

² The 20-day protest period concludes on a weekend, therefore, PG&E is moving this date to the following business day.

Erik Jacobson
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 5.2, and OP 2 of D.20-08-035, this advice letter is submitted with a Tier 2 designation. PG&E requests that this Tier 2 advice submittal become effective on regular notice, October 28, 2020 which is 30 calendar days after the date of submittal.

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 parties on the service list 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/

Erik Jacobson
Director, Regulatory Relations

Attachments

cc:

Service List R.13-02-008

Nick Zanjani, Energy Division
Karin Sung, Energy Division



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) #: 4316-G

Tier Designation: 2

Subject of AL: Revisions to Gas Rule Nos. 1, 2, 14, and 21, and Gas Sample Forms 79-756 and 79-866 in Compliance with D.20-08-035

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 #: D.20-08-035

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: 10/28/20

No. of tariff sheets: 65

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: See Attachment 1

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: Erik Jacobson, 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.
36435-G	Gas Sample Form No. 79-756 Natural Gas Service Agreement Sheet 1	30310-G
36436-G	Gas Sample Form No. 79-866 Gas Transmission Service Agreement Sheet 1	30893-G
36437-G	GAS RULE NO. 1 DEFINITIONS Sheet 1	31083-G
36438-G	GAS RULE NO. 1 DEFINITIONS Sheet 3	34052-G
36439-G	GAS RULE NO. 1 DEFINITIONS Sheet 4	34053-G
36440-G	GAS RULE NO. 1 DEFINITIONS Sheet 5	33494-G
36441-G	GAS RULE NO. 1 DEFINITIONS Sheet 6	33878-G
36442-G	GAS RULE NO. 1 DEFINITIONS Sheet 7	35473-G
36443-G	GAS RULE NO. 1 DEFINITIONS Sheet 10	35476-G
36444-G	GAS RULE NO. 1 DEFINITIONS Sheet 11	35995-G
36445-G	GAS RULE NO. 1 DEFINITIONS Sheet 12	35478-G
36446-G	GAS RULE NO. 1 DEFINITIONS Sheet 16	35482-G
36447-G	GAS RULE NO. 1 DEFINITIONS Sheet 20	35486-G
36448-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 1	18231-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36449-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 2	18232-G
36450-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 3	18233-G
36451-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 4	18234-G
36452-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 5	18235-G
36453-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 6	30690-G
36454-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 7	30691-G
36455-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 8	30692-G
36456-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 9	30693-G
36457-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 10	30694-G
36458-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 11	30695-G
36459-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 12	30696-G
36460-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 13	30697-G
36461-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 14	30698-G
36462-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 15	28283-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36463-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 16	30699-G
36464-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 17	30700-G
36465-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 18	30701-G
36466-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 19	30702-G
36467-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 20	29787-G
36468-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 21	28289-G
36469-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 22	28290-G
36470-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 23	30703-G
36471-G	GAS RULE NO. 14 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE Sheet 24	28292-G
36472-G	GAS RULE NO. 2 DESCRIPTION OF SERVICE Sheet 1	34055-G
36473-G	GAS RULE NO. 2 DESCRIPTION OF SERVICE Sheet 2	23063-G
36474-G	GAS RULE NO. 2 DESCRIPTION OF SERVICE Sheet 3	23064-G
36475-G	GAS RULE NO. 2 DESCRIPTION OF SERVICE Sheet 6	33824-G
36476-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 1	27591-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36477-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 2	35234-G
36478-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 3	35235-G
36479-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 4	33220-G
36480-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 5	32557-G
36481-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 6	32558-G
36482-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 7	32559-G
36483-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 8	32560-G
36484-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 9	32561-G
36485-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 10	32562-G
36486-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 11	32563-G
36487-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 12	32564-G
36488-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 13	31955-G
36489-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 14	29231-G
36490-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 15	33640-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36491-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 16	35079-G
36492-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 17	35080-G
36493-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 18	35081-G
36494-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 19	35082-G
36495-G	GAS TABLE OF CONTENTS Sheet 1	36192-G*
36496-G	GAS TABLE OF CONTENTS Sheet 6	36193-G*
36497-G	GAS TABLE OF CONTENTS Sheet 7	36194-G
36498-G	GAS TABLE OF CONTENTS Sheet 10	36188-G
36499-G	GAS TABLE OF CONTENTS Sheet 11	35791-G



Gas Sample Form No. 79-756
Natural Gas Service Agreement

Sheet 1

**Please Refer to Attached
Sample Form**



NATURAL GAS SERVICE AGREEMENT

DISTRIBUTION

- Customer
- Division ES&S
- Tariff Interpretations
- Gas Billing Solutions
- _____
- _____

REFERENCES

Transp.ID.#: _____
 Account ID#: _____
 SA#: _____
 Other Agmts: _____

 CRM: _____
 CRM. Phone: _____
 D&B # or Taxpayer ID: _____

GENERAL

1. This Natural Gas Service Agreement (NGSA), between Pacific Gas and Electric Company (PG&E), a California Corporation, and _____ (Customer), a(n) _____, (together referenced as "Parties"), is for gas service to (service address):

2. Customer agrees to pay for, and PG&E agrees to provide, natural gas service in accordance with the provisions of this NGSA, attached exhibits, and the applicable PG&E gas rate schedule(s) and rules, as approved by the Public Utilities Commission of the State of California (CPUC).
3. This NGSA includes, where applicable, Exhibit A (A.1, A.EG, A.NGV4, A.WSL, A.LNG (Rates and Metering Information)), Exhibit B (Contract Quantities), Exhibit C (Scheduling and Operations Data), and Exhibit D (Customer Contact and Billing Addresses). All applicable Exhibits are incorporated into and made a part of this NGSA. Exhibits may be amended from time to time in accordance with this NGSA.
4. Attached to this NGSA are applicable PG&E gas rate schedule(s) and rules in effect at the time of NGSA execution. Both Parties agree to abide by the provisions of the applicable rate schedule(s), as amended or their successor rate schedules, as well as all applicable PG&E gas rules and gas tariff schedules, as may be amended from time to time.

TERM

5. This NGSA shall be effective upon the date that both Parties have executed the agreement, or on _____ (specify effective date). The initial term of this NGSA, unless otherwise specified in Exhibit A, will be twelve (12) months unless Customer ceases to take gas service at the facility served by this NGSA. After twelve (12) months, this NGSA will continue on a month-to-month basis unless terminated by Customer upon thirty (30) days' prior written notice to PG&E, or unless terminated by PG&E upon the approval of or an order by the CPUC. Termination by the Customer will take effect on the first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. This NGSA will also terminate if Customer's gas use no longer qualifies for the rate schedule(s) specified in Exhibit A.

RATES AND CONTRACT QUANTITIES

6. The rate(s) to be charged for all natural gas service under this NGSA shall be specified in Exhibit A.
7. Contract quantities for all service under this NGSA are specified in Exhibit B.

NATURAL GAS SERVICE AGREEMENT

MODIFICATIONS TO NGSА AND EXHIBITS

8. Revisions or modifications to this NGSА or its incorporated exhibits must be agreed to by both Parties subject to the conditions noted below.
9. Revisions to Exhibit A: A substitution of one rate schedule(s) for other rate schedules may only be made as specified in the provisions of the applicable rate schedule(s). Unless mutually agreed to by both Parties, a change from one rate schedule to another rate schedule may only be made once every twelve (12) months. Such revisions must be agreed to by both Parties. Unless otherwise agreed to by both parties, revisions will then take effect on the first day of the calendar month that occurs at least thirty (30) days after the request for the revision and remain in effect for a minimum of twelve (12) months. Negotiated provisions as specified in Exhibits A.2 or A.EG-NEG, if applicable, will be revised as specified in that exhibit.
10. Revisions to Exhibit B: Customer or PG&E may request to adjust the contract quantities specified in Exhibit B if there are changes in the equipment or operations at Customer's premises. Such changes must be consented to by the other party and a modified Exhibit B must be executed by both Parties. Such revisions will take effect as soon as they are processed by PG&E, unless Customer requests a later date.
11. Revisions to Exhibit C or D: Customer may request revisions to Exhibit C or D at any time. Such revisions will take effect as soon as they are received and processed by PG&E, unless Customer requests a later date. Revisions to Nominating Marketer and Nominating Marketer ID Numbers on Exhibit C and Formal Communications contact and mailing address on Exhibit D must be requested in writing. All other revisions to Exhibit C or D can be changed by Customer directly contacting PG&E. Nominating Marketer contact information may be changed by Customer or Nominating Marketer by directly contacting PG&E.

COMMUNICATIONS

12. Communications about routine operations such as start-ups, shut-downs, gas nominations and scheduling, should be directed by Customer to PG&E using the addresses specified in Exhibit C.
13. Formal communications concerning this NGSА shall be in writing. Formal communications are those for anything other than routine operations. Formal communications include modifications to rate schedules, nominating marketers, and contract quantities. Formal communications are to be delivered to the appropriate address, as specified in Exhibit D. Either Party must designate by written notice any change of address to which formal communications should be sent.

BILLING

14. PG&E will bill Customer at the applicable rate(s) set forth in Exhibit A for natural gas service during the billing month.
15. PG&E will initially send Customer's monthly billings to the address specified in Exhibit D. Customer may request a change to the mailing address by directly contacting PG&E.

NATURAL GAS SERVICE AGREEMENT

ASSIGNMENT

16. This NGSA shall not be assigned by either Party without the written consent of the other. Such consent shall not be unreasonably withheld. Any successor to or transferee or assignee of the rights of a Party, whether by voluntary transfer, judicial sale, foreclosure sale, or otherwise, shall be subject to all terms and conditions of this NGSA to the same extent as though such successor, transferee or assignee were an original Party. Assignment of this NGSA shall not release the assigning Party from any of the obligations under this NGSA unless such a release is agreed to in writing by the other Party and the assignee. Notwithstanding the above, assignment of the entire interest and obligations of PG&E hereunder may be made to a parent or Affiliate of PG&E, or to an entity succeeding to all or substantially all of the business properties and assets of PG&E, following written notice to Customer and without obtaining the written consent of the Customer.

EXCLUSIVE NATURE AND INTERPRETATIONS

17. With the exception of the CPUC-approved tariff and rule changes as provided in paragraph 27, and for changing contact names, mailing addresses, e-mail addresses, telephone and fax numbers as provided for in paragraphs 8, 11, and 15, no subsequent modification or amendment of this NGSA or of any of its exhibits shall be effective unless in writing, and accompanied by a Natural Gas Service Agreement Modification Revised Exhibits Form (Form No. 79-757) signed by a duly authorized representative of each Party.
18. This NGSA does not change the obligations, restrictions or rights contained in other agreements between Parties unless expressly indicated in this NGSA. Customer and PG&E agree that all understandings between them regarding the gas service to be provided under this NGSA are set forth or referenced in this NGSA. No agreements, representations, memoranda, or any other form of communication, written or oral, exchanged before the signing of this NGSA (other than PG&E's tariffs), shall be grounds for altering or interpreting the terms of this NGSA.
19. The waiver by either Party of any breach of any term, covenant or condition contained in this NGSA, or any default in the performance of any obligations under this NGSA, shall not be deemed to be a waiver of any other breach or default of the same or any other term, covenant, condition or obligation. Nor shall any waiver of any incident of breach or default constitute a continuing waiver of the same.
20. This NGSA shall be interpreted under the laws of the State of California, excluding any choice of law rules which may direct the application of the laws of another jurisdiction. This NGSA and the obligations of the Parties are subject to all valid laws, orders, rules, and regulations of the authorities having jurisdiction over this NGSA (or the successors of those authorities).
21. Complaints against PG&E arising out of this NGSA may be asserted or filed and shall be enforced only under the provisions of Section 1702 of the Public Utilities Code. Each Party shall be entitled to recover reasonable costs, including attorney fees, to collect payment for services previously performed or other amounts due and owing under this NGSA.
22. Nothing in this NGSA shall be construed to create any duty to, any standard of care with reference to, or any liability to any third party.

NATURAL GAS SERVICE AGREEMENT

23. PG&E shall have no liability to Customer, or any assignee thereof, for any curtailments, interruptions of service or losses of gas pursuant to this Agreement, PG&E's gas Rules or rate schedules. The liability of PG&E for any curtailments, interruptions of service, or gas losses otherwise arising out of mistakes, omissions, interruptions, delays, errors or defects in any of the gas services or facilities used or furnished by PG&E shall in no event exceed an amount equal to any applicable pro rata charges for the period during which the services or facilities are affected by the mistake, omission, interruption, loss, delay, error or defect; provided, however, that the provisions hereof shall not apply to damages caused by willful misconduct, fraudulent conduct or violations of law by PG&E.
24. No Party under this Agreement shall be assessed any special, punitive, consequential, incidental, or indirect damages, whether in contract or tort (including negligence) or otherwise, for any breach, actions, or inactions arising from, out of, or related to this Agreement.

FORCE MAJEURE

25. In the event either Customer or PG&E is rendered unable, wholly or in part, by force majeure to carry out its obligations under this Agreement, it is agreed that, upon such Party giving notice as soon as practicable in writing (or as soon as practicable by facsimile or telephone if confirmed in writing within seventy-two (72) hours) but in no event delivered to the other Party later than five (5) business days after the onset of the force majeure condition, then the obligations of the Party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of the effects of the cause; provided that such notice shall give the other Party reasonably full particulars of such force majeure, including the circumstances preventing or delaying performance hereunder; and provided that the Party subject to such force majeure shall remedy it so far as possible with all reasonable dispatch; and further provided that no force majeure shall be cause for delay in the payment for services rendered prior to its inception.
26. The term "force majeure," as employed herein, shall mean acts of God, strikes, lockouts or other industrial disturbances, acts of the public enemy, wars, blockage, insurrection, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, high water, washouts, civil disturbances, explosions, breakage or accident to machinery or lines of pipe, the necessity for making non-routine repairs or non-routine alterations to machinery or lines of pipe, freezing lines of pipe, acts of civil or military authority (including, but not limited to, courts, or administrative or regulatory agencies), and any other cause, whether of the kind herein enumerated or otherwise, not within the control of the Party claiming suspension and which, by the exercise of due diligence, that Party is unable to prevent or overcome.
- a. It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the Party having the difficulty, and the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts when such course is inadvisable in the discretion of the Party having the difficulty.
 - b. It is understood and agreed that "force majeure" as used herein shall not include scheduled and routine maintenance and repairs of machinery and lines of pipe, operational flow orders, emergency flow orders, or diversion orders in accordance with PG&E Gas Rule 14, financial considerations, or the unavailability of upstream or downstream transportation or supply.

REGULATORY

NATURAL GAS SERVICE AGREEMENT

- 27. Customer shall not take any action which may subject PG&E's gas operations to the jurisdiction of the Federal Energy Regulatory Commission (FERC) or any successor to the FERC. Any such action is cause for the immediate termination of this NGSA.
- 28. This NGSA shall at all times be subject to any changes or modifications the CPUC may direct from time to time in the exercise of its jurisdiction. Such changes or modifications may be to this NGSA or to PG&E's applicable tariff schedules and rules.

AGREED TO BY:

(Customer)	PACIFIC GAS AND ELECTRIC COMPANY
(Signature)	(Signature)
(Type/Print Name)	(Type/Print Name)
(Title)	(Title)
(Date)	(Date)

Attachments: Exhibits: Exhibit A. _____-Rates and Metering Information
 Exhibit B-Contract Quantities
 Exhibit C-Scheduling and Operations Data
 Exhibit D-Customer Contact and Billing Addresses

Tariffs: Rate Schedule(s) _____
 Gas Rules 1, 2, 9, 10, 11, 12, 14, 17, 21, 29



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.EG will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. Per gas Rule 12, certain noncore Customers are prohibited from reclassification to core service. If this Exhibit A.EG has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-EG. All noncore natural gas transportation that does not qualify under Schedule G-EG is provided under the terms and conditions of Schedule G-NT. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C, unless G-EG is taken in conjunction with a core rate schedule and gas is provided by a Core Procurement Group.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking transportation and/or procurement service under a core rate schedule in conjunction with Schedule G-EG.

- Non-PG&E supplied gas under Schedule G-_____ (PG&E transportation service only). Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.
- Gas supplied by a Core Procurement Group in conjunction with Schedule G-_____. This option is only available to a facility that 1) qualifies as a cogeneration facility pursuant to California Public Utilities Code Section 218.5 and 2) has a rated generation capacity of less than five-hundred kilowatts (500 kW) and 3) does not have a generation usage exceeding 250,000 therms per year. If gas is supplied by a Core Transport Agent (CTA), indicate the CTA Group name and number in Special Billing instructions.

IV. FRANCHISE FEE SURCHARGE EXEMPT:

Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR because Customer is a political subdivision of the state of California.¹

¹ The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Service Point No.	Meter Badge Number	Submete Badge Number²	Meter Serves Core or Noncore³	BB Trans. Dist.⁴	Does Meter Only Serve Gen.Load⁵	Is Gen Load Cogen?⁶
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NET ELECTRIC OUTPUT METER INFORMATION IF GAS METER SERVES BOTH GENERATION AND NON-GENERATION LOAD: Metering and service point information will be completed and updated by PG&E, as needed. Customer-Owned metering is at PG&E's Sole Discretion.

<u>Net Electric Output Service Point No.</u>	<u>Meter Badge Number</u>	<u>Submeter Badge Number</u>
--	---------------------------	------------------------------

The Net Electric Output meter is owned by: (indicate below)

Customer-Owned: Monthly meter reads will be provided by:
 ___ Customer or by ___ PG&E (indicate by placing a check in the appropriate space).

PG&E-Owned

² Completed only if a subtractive meter to the primary meter exists for service point number.

³ Meters for new NGSAs or meters added to existing NGSAs must serve either 100% core or 100% noncore load. If meter serves generation load and the otherwise-applicable rate is a core rate schedule or the Customer is receiving procurement from a Core Procurement Group, "Core" will be entered.

⁴ This area is used to indicate if the meter is to be billed at the Backbone Level Rate ("BB") under Schedule G-EG. If meter serves noncore load that is not billed at the Backbone Level Rate, the designation will be "Trans" or "Dist" to indicate whether meter is connected to the Transmission or Distribution System respectively. If meter serves core load, the designation "Dist" is used.

⁵ "Yes" indicates the meter serves only electric generation (EG). "No" indicates the meter serves only non-generation Load. "Both" indicates the meter serves both generation and non-generation load.

⁶ "Yes" indicates that the generation facility qualifies as a cogeneration facility pursuant to California Public Utilities Code 218.5, otherwise, "No" will be entered. Gas that is used for generation through this meter is exempt from G-SUR charges. The exemption is specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

VI. HEAT RATE AND GENERATOR CAPACITY:

Enter Generator Capacity for all Customers. The Annual Average Heat Rate must be completed if the electric generation equipment does not have a separate PG&E installed gas meter. All delivered gas that does not qualify for Schedule G-EG will be billed at the otherwise applicable rate. The Annual Average Heat Rate can be adjusted by PG&E based on actual recorded values.

Generator Capacity _____ (kW)

Annual Average Heat Rate _____ (BTU/kWh)

VII. SPECIAL BILLING INSTRUCTIONS:



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.NGV4
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.NGV4 will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. If this Exhibit A.NGV4 has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-NGV4. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking service under a core rate schedule in conjunction with Schedule G-NGV4.

[] Non-PG&E-supplied gas. (PG&E transportation service only). Transportation service is provided under Schedule G-_____. Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C

IV. FRANCHISE FEE SURCHARGE EXEMPT:

[] Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR.¹

¹ The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.NGV4
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No.:** _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Service Point No.	Meter Badge Number	Submeter Badge Number²	Meter Serves Core or Noncore³	BB Trans. or Dist.⁴
------------------------------	-----------------------------------	--	---	---

VI. SPECIAL BILLING INSTRUCTIONS:

² Completed only if a subtractive meter to the primary meter exists for service point number.

³ For new NGSAs and meters added to an existing NGSAs, each listed meter must serve either 100% core or 100% noncore.

⁴ This area is used to indicate whether meter is to be billed at the Backbone Level ("BB"), Transmission Level ("Trans"), or Distribution Level ("Dist") rates under Schedule G-NGV4.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.1
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.1 will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. Per gas Rule 12, certain noncore Customers are prohibited from reclassification to core service. If this Exhibit A.1 has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-NT. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking service under a core rate schedule in conjunction with Schedule G-NT.

[] Non-PG&E-supplied gas. (PG&E transportation service only). Transportation service is provided under Schedule G-_____. Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C

IV. FRANCHISE FEE SURCHARGE EXEMPT:

[] Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR because Customer is a political subdivision of the state of California.¹

¹ The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.1
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Service Point No.	Meter Badge Number	Submeter Badge Number²	Meter Serves Core or Noncore³	BB Trans. or Dist.⁴
----------------------------------	-----------------------------------	--	---	---

VI. SPECIAL BILLING INSTRUCTIONS:

² Completed only if a subtractive meter to the primary meter exists for service point number.

³ For new NGSAs and meters added to an existing NGSA, each listed meter must serve either 100% core or 100% noncore.

⁴ This area is used to indicate whether meter is to be billed at the Backbone Level ("BB"), Transmission Level ("Trans"), or Distribution Level ("Dist") rates under Schedule G-NT.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.2
NEGOTIATED TERMS AND CONDITIONS

CUSTOMER NAME: _____ **Transp.ID No:** _____

If Exhibit A.2 is used, then an Exhibit A.1 must also be completed to indicate the standard rates provided in conjunction with the negotiated provisions specified below. Exhibit A.1 is also needed to specify the accounting and metering information.

NONCORE RATE SCHEDULE(S) AND CONTRACT QUANTITIES:

Customer elects to receive natural gas service under the terms and conditions of Schedule G-NT (Noncore Transportation Service) under the negotiated terms and conditions set forth below. All terms and conditions not expressly set forth will be considered to be unchanged from the standard provision specified in Schedule G-NT.

1. TERM:

The negotiated provisions indicated in this Exhibit A.2 shall be for _____ days, or _____ months (only indicate days if these provisions are for less than one (1) month), and become effective on _____ (date). After the end of the initial term, negotiated provision will: (select only one option)

- terminate on _____ (end date), or;
- Continue on a day-to-day basis until terminated upon thirty (30) days written notice by PG&E or Customer.

2. NEGOTIATED RATES:

Monthly Charge:

Volumetric Charge:

3. USE-OR-PAY OBLIGATION:

4. OTHER SPECIAL INSTRUCTIONS OR PROVISIONS:



NATURAL GAS SERVICE AGREEMENT

EXHIBIT B CONTRACT QUANTITIES

CUSTOMER NAME: _____ **Transp.ID No.:** _____

This Exhibit B was modified on _____(Date)

I. MAXIMUM DAILY QUANTITY

Customer must designate a Maximum Daily Quantity (MDQ) for all service provided under the NGS. The MDQ is based on the historical maximum single day use at the facilities served under the NGS. The MDQ may be adjusted if Customer can document to the satisfaction of PG&E that changes in Customer's operations warrant a modified MDQ. The MDQ, plus in-kind shrinkage, will be the maximum amount of gas that Customer will be allowed to deliver into PG&E's service territory on any day.

MAXIMUM DAILY QUANTITY (MDQ): _____ decatherms

II. MONTHLY AND ANNUAL CONTRACT QUANTITIES

For purposes of this Exhibit, quantities (specified in decatherms) are identified by column as follows:

- Column A. Total Monthly Quantities (TMQ) of **Core Service**
- Column B. Total Monthly Quantities (TMQ) of **Noncore Service**
- Column C. Number of Operating Days in the Month

All quantities represent volumes delivered to Customer's premises, and do not include in-kind shrinkage on the PG&E system.

The Average Daily Quantity (ADQ) is equal to the TMQ in Column A plus the TMQ in Column B, divided by the Operating Days in Column C.

	Column A Core (Dth)	Column B Noncore (Dth)	Column C Operating Days in Month
January:	_____	_____	_____
February:	_____	_____	_____
March:	_____	_____	_____
April:	_____	_____	_____
May:	_____	_____	_____
June:	_____	_____	_____
July:	_____	_____	_____
August:	_____	_____	_____
September:	_____	_____	_____
October:	_____	_____	_____
November:	_____	_____	_____



NATURAL GAS SERVICE AGREEMENT
EXHIBIT B
CONTRACT QUANTITIES

December: _____



NATURAL GAS SERVICE AGREEMENT

EXHIBIT C

SCHEDULING AND OPERATIONS DATA

CUSTOMER NAME: _____ **Transp.ID No.:** _____

I. NOMINATING MARKETER:

Customer shall list the Nominating Marketer(s) having the authority to nominate gas deliveries to PG&E. All listed Nominating Marketers will be allowed access to gas metering data and Exhibit B Contract quantities, unless otherwise indicated by Customer by checking the appropriate boxes below each Nominating Marketer. Customer can also designate one Nominating Marketer as having the authority to trade monthly imbalances on Customer's behalf by checking the appropriate box below.

This Exhibit C is effective on _____ (date), and will remain in effect until it is revised or the NGSA is terminated.

NOMINATING MARKETER:¹ _____ **MARKETER ID NUMBER:** _____

CO. NAME: _____

ADDRESS: _____

CITY/STATE/COUNTRY: _____ **ZIP CODE:** _____

CONTACT: _____ **PHONE NO.:** (____) ____ - _____

ALTERNATE NO.: (____) ____ - _____ **FAX NO.:** (____) ____ - _____

Customer can check one or more of the boxes below to indicate the appropriate authorization:

- This Nominating Marketer **cannot** have access to gas metering data.
- This Nominating Marketer **cannot** view the contract quantities indicated in Exhibit B.
- Customer authorizes this Nominating Marketer to execute monthly imbalance trades, as specified in Schedule G-BAL.²

II. CUSTOMER OPERATIONS CONTACT:

Nominating Customer ID Number: _____ (if Customer makes gas supply nominations)

CO. NAME: _____

ADDRESS: _____

CITY/STATE/COUNTRY: _____ **ZIP CODE:** _____

CONTACT: _____ **PHONE NO.:** (____) ____ - _____

ALTERNATE NO.: (____) ____ - _____ **FAX NO.:** (____) ____ - _____

III. PG&E GAS SCHEDULING & OPERATIONS:

COMPANY NAME: Pacific Gas and Electric Company
ADDRESS/CITY/STATE: 77 Beale St., Room 1645 San Francisco, CA 94106
CONTACT: Transportation Coordinator **PHONE NO.:** (415) 973-2424
ALTERNATE NO.: (415) 973-3216 (24 hr.) **FAX NO.:** (415) 973-0649

¹ Communications by a Nominating Marketer shall be binding on Customer and shall prevail if there is any conflict with information regarding nominations or receipt of gas from Customer. The Nominating Marketer shall act on behalf of Customer for as long as the Nominating Marketer is listed in the Exhibit C of Customer's NGSA, unless a formal written notification is received by PG&E that such arrangement no longer exists.

² Only one Nominating Marketer can be granted authority to trade imbalances. Unless Customer has executed a Noncore Balancing Aggregation Agreement, Exhibit A, Form 79-869 with a Nominating Marketer or other third-party service provider, Customer remains responsible for any and all charges associated with Schedule G-BAL and Rule 14.

NATURAL GAS SERVICE AGREEMENT



EXHIBIT D CUSTOMER CONTACT AND BILLING ADDRESSES

CUSTOMER NAME: _____ **Transp. ID** _____

No.: _____

DIRECTIONS: Check the type of communication for each of the following addresses where applicable. Any of the names or addresses listed below may be changed upon notification from Customer as specified in the NGSAs. Customer can only designate one Formal Communications Address.

This Exhibit D is effective on _____ (date), and will remain in effect until it is revised or the NGSAs is terminated. If this Exhibit D has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

____ FORMAL COMMUNICATION ____ IMBALANCE STATEMENT ADDRESS
____ BILLING ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.:(____)____ - _____
ALTERNATE NO.:(____)____ - _____ FAX NO.:(____)____ - _____

____ BILLING ADDRESS ____ IMBALANCE STATEMENT ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.:(____)____ - _____
ALTERNATE NO.:(____)____ - _____ FAX NO.:(____)____ - _____

____ BILLING ADDRESS ____ IMBALANCE STATEMENT ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.:(____)____ - _____
ALTERNATE NO.:(____)____ - _____ FAX NO.:(____)____ - _____

OFO/EFO NOTIFICATIONS: Please provide at least one e-mail address – Maximum of 5

NAME	E-MAIL ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____

PG&E FORMAL COMMUNICATIONS:

TO PG&E: PACIFIC GAS & ELECTRIC COMPANY
DIVISION: _____
ADDRESS: _____
CITY/STATE/ZIPCODE: _____
ATTENTION: _____



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.LNG
RATES AND METERING INFORMATION

A.
CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.LNG will take effect on _____ (date) and will continue on a month to month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. If this Exhibit A.LNG has been revised, indicate the effective date of the latest revision here:
_____ (revision effective date).

II. NONCORE RATE SCHEDULE:

B. Rate Schedule

Customer agrees to purchase and PG&E agrees to provide a supply of Liquefied Natural Gas pursuant to the terms of this Agreement and to experimental rate Schedule G-LNG, or its successor.

B. Procurement:

Service provided hereunder requires gas be supplied for liquefaction by a supplier other than PG&E. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. LIABILITY:

Customer accepts all risks related to the operation and transfer of LNG to Customer's motor vehicles at PG&E's LNG filling station(s) and agrees to hold PG&E and its employees harmless from any and all damages resulting from ingress, egress, and filling with LNG at any PG&E facility or any other damage or injury whether to persons or property as a result of or in direct relationship to the filling of Customer transport vehicles with LNG, excepting only such damage or injury caused by the sole negligence or willful misconduct of PG&E. Due to the experimental nature of this schedule PG&E does not guaranty the ability to provide continuous service under this rate schedule.

IV. SPECIAL BILLING INSTRUCTIONS:



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG-NEG
NEGOTIATED TERMS AND CONDITIONS

CUSTOMER NAME: _____ **Transp.ID No:** _____

If Exhibit A.EG-NEG is used, then an Exhibits A.EG must also be completed to indicate the standard rates provided in conjunction with the negotiated provisions specified below. Exhibit A.EG is also needed to specify the accounting and metering information.

NONCORE RATE SCHEDULE(S) AND CONTRACT QUANTITIES:

Customer elects to receive natural gas service under the terms and conditions of Schedule G-EG (Gas Transportation Service to Electric Generation) under the negotiated terms and conditions set forth below. All terms and conditions not expressly set forth will be considered to be unchanged from the standard provision specified in Schedule G-EG.

1. TERM

The negotiated provisions indicated in this Exhibit A.EG-NEG shall be for _____ days, or _____ months (only indicate days if these provisions are for less than one (1) month), and become effective on _____ (date). After the end of the initial term, negotiated provision will: (select only one option)

- terminate on _____ (end date), or;
- Continue on a day-to-day basis until terminated upon thirty (30) days written notice by PG&E or Customer.

2. NEGOTIATED RATES:

Monthly Charge:

Volumetric Charge:

3. USE-OR-PAY OBLIGATION:

4. OTHER SPECIAL INSTRUCTIONS OR PROVISIONS:



Gas Sample Form No. 79-866
Gas Transmission Service Agreement

Sheet 1

**Please Refer to Attached
Sample Form**

Advice 4316-G
Decision 20-08-035

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted September 28, 2020
Effective _____
Resolution _____



GAS TRANSMISSION SERVICE AGREEMENT

This Gas Transmission Service Agreement (GTSA) is made by and between PACIFIC GAS AND ELECTRIC COMPANY (PG&E), a California Corporation, and _____ (Customer), a _____. PG&E and Customer each shall be referred to herein as a Party and together as Parties.

Subject to the provisions of this GTSA and the applicable PG&E gas Rules and Rate Schedules, PG&E agrees to make available to Customer the following categories of service:

Gold Coast Transportation Services
Golden Gate Market Center Services, including Storage Services

Election of any or all of such services by Customer and acceptance and authorization by PG&E shall be evidenced by the signatures of Customer and PG&E on the Exhibit(s) under this GTSA or pursuant to an executed Electronic Commerce System User Agreement (Form 79-982) with Customer which shall describe the specific terms and conditions of the service transactions to be performed.

1. TERM

1.1 This GTSA shall be effective upon the date that both parties have executed the agreement, or on _____. The initial term shall be twelve (12) months. Thereafter this GTSA shall continue from month to month unless terminated by either Party upon thirty (30) days' prior written notice to the other. Notwithstanding the above: (a) Neither Customer nor PG&E may unilaterally terminate this GTSA prior to the termination date for service set forth in any Exhibit executed by Customer and PG&E under this GTSA, and (b) PG&E may terminate this GTSA at any time in accordance with Paragraph 6.3 hereof or in accordance with PG&E's gas Rule 25 and may do so without thirty (30) days' prior written notice to Customer.

2. RATES AND CONTRACT QUANTITIES

2.1 The rate(s) to be charged for service(s) provided pursuant to this GTSA shall be as specified in the Exhibit(s) incorporated hereunder and applicable Rate Schedule(s), and Customer shall pay PG&E each billing period for all services rendered at the agreed-upon price.

2.2 PG&E shall have the unilateral right to apply at any time to the appropriate regulatory authority and, subject to approval thereof, make effective changes in the rates and charges applicable to services provided under this GTSA, the Rate Schedule(s) pursuant to which service hereunder is rendered, or any provisions of the applicable PG&E gas Rules.

2.3 The contract quantities for all services provided pursuant to this GTSA shall be as specified in the Exhibits incorporated hereunder.

3. BILLING AND PAYMENT

3.1 Bills shall be rendered and payments shall be due in accordance with gas Rule 25, Section C.

3.2 If an error is discovered in any bill rendered by PG&E, the amount of such error shall be adjusted, provided that a valid claim therefore is made within twelve (12) months from the date of the bill containing the original error.

3.3 Either Party may submit a billing dispute for resolution in accordance with Section 8; however, PG&E's remedies for late payments pursuant to Section C of gas Rule 25 shall be available notwithstanding such dispute resolution process.

GAS TRANSMISSION SERVICE AGREEMENT

4. GAS QUALITY AND OPERATING PROCEDURES

4.1 Gas delivered to PG&E by or on behalf of Customer pursuant to this GTSA shall meet the gas quality specifications set forth in PG&E gas Rule No. 21 or gas Rules 21 and 29, subject to gas supply type, as may be amended from time to time.

4.2 Customer shall conform to the operating procedures set forth in all applicable PG&E gas Rules in effect during the term of this GTSA.

5. WARRANTY OF TITLE AND RISK OF LOSS

5.1 Customer warrants, for itself and its successors, that it will have at the time of delivery of gas to PG&E good title to such gas and that all gas delivered to PG&E for performance of service hereunder shall be eligible for all requested service under applicable rules, regulations, or orders of the California Public Utilities Commission (CPUC), or other agency having jurisdiction. Customer shall indemnify PG&E and save and hold PG&E harmless from all claims, demands, suits, actions, damages, losses, expense (including attorneys' fees) and costs connected with regulatory, administrative, or judicial proceedings arising from any breach of this warranty, or any breach of this indemnification provision.

5.2 Risk of loss of gas delivered to PG&E pursuant to an Exhibit incorporated hereunder shall pass to PG&E upon delivery of such gas to PG&E and shall pass from PG&E to Customer upon delivery from PG&E to or on behalf of Customer.

6. GOVERNMENTAL AUTHORITY

6.1 All of the provisions of this GTSA shall be subject to all present and future applicable federal or state laws, orders, rules and regulations of governmental authorities having jurisdiction. This GTSA shall at all times be subject to such changes or modifications by the CPUC as the CPUC may, from time to time, direct in the exercise of its jurisdiction.

6.2 The Parties recognize that PG&E has entered into transactions hereunder based on its good faith understanding that all acts, obligations, and services performed or to be performed by PG&E hereunder, and the charges therefore, are exempt from the regulation of the Federal Energy Regulatory Commission (FERC), except those interstate transactions that are permitted under PG&E's blanket certificate issued pursuant to Section 284.224 of the FERC's regulations. These interstate transactions shall be provided subject to the provisions of Part 284, Subpart C of the FERC's regulations as may be amended from time to time.

6.3 PG&E retains the right to terminate immediately the offering or furnishing of any services hereunder if the continued performance of such services could reasonably be determined to jeopardize continuance of PG&E's Hinshaw Exemption pursuant to Section 1 (c) of the Natural Gas Act.

7. ASSIGNMENT

7.1 Assignment of GTSA by PG&E: Assignment of the entire interest and obligations of PG&E hereunder may be made to an entity succeeding to all or substantially all of the business properties and assets of PG&E used to provide services hereunder. PG&E must obtain the Customer's written consent to assign.

7.2 Assignment of Exhibits by Customer: Customer may assign individual Exhibits incorporated hereunder to third parties who have executed a GTSA with PG&E subject to the following conditions:

GAS TRANSMISSION SERVICE AGREEMENT

7.2.1 Such assignments may consist of all or a portion of Customer's contract quantity and all or part of Customer's remaining contract term as set forth in the subject Exhibit. In order to effect assignment of an individual Exhibit, Customer must provide PG&E with written notice using an Assignment of PG&E Backbone Pipeline and Storage Capacity Allocation (Form 79-867) bearing both the proposed assignor's and assignee's authorized signature and must obtain PG&E's consent as provided for in the assignment document.

7.2.2 If PG&E determines that the proposed assignee satisfies PG&E's creditworthiness requirements as specified in gas Rule 25, PG&E shall approve the assignment and thereafter the assignee shall be responsible for the performance of all obligations and duties pursuant to the assigned Exhibit and shall make any payments due under the assigned Exhibit directly to PG&E.

8. DISPUTE RESOLUTION

8.1 Any dispute, claim, or need for interpretation arising out of or relating to this GTSA which cannot be resolved after good faith discussions between the Parties within thirty (30) days of written notice from either Party to the other that there is such a dispute, claim, or need for interpretation shall be resolved in the manner set forth in Paragraphs 8.2 and 8.3, which shall be in lieu of litigation before any regulatory agency or in any state or federal court except to the extent that (i) both Parties agree to bring the matter before the CPUC; (ii) the matter is within the jurisdiction of the CPUC, and (iii) the CPUC is willing to accept the matter for resolution.

8.2 At either Party's request, the Parties shall submit their dispute to non-binding mediation in accordance with the Commercial Mediation Rules of the American Arbitration Association (AAA). The Parties shall establish specific ground rules for the mediation at least fourteen (14) days in advance of the mediation meeting. The mediation shall be held in San Francisco, California, and shall commence within thirty (30) days of a Party's request for mediation. Each Party shall bear its own mediation costs. The costs and expenses of the mediator shall be divided equally between the Parties.

8.3 If no settlement is reached as a result of the procedures prescribed in Paragraph 8.2, the matter shall be submitted to binding arbitration pursuant to the Commercial Arbitration Rules of the AAA (including any rules for expedition of the hearing process); provided, however, such rules shall be modified as necessary to reflect the following:

8.3.1 Unless the Parties otherwise agree, the arbitration panel shall be composed of three persons. Each Party shall nominate one arbitrator, and the two arbitrators so appointed shall appoint a third, who shall act as the presiding arbitrator or chair of the panel. If either Party fails to nominate an arbitrator within thirty (30) days of receiving notice of the nomination of an arbitrator by the other Party, such (second) arbitrator shall be appointed by the AAA at the request of the first Party. If the two arbitrators so selected fail to select a third arbitrator, the third arbitrator shall be appointed by the AAA. Should a vacancy occur on the panel, it shall be filled by the method by which that arbitrator was originally selected.

8.3.2 The arbitration shall be held at a location to be agreed to by the Parties, or, failing such an agreement, at San Francisco, California.

8.3.3 The arbitrators shall hold a preliminary meeting with the Parties within thirty (30) calendar days of the appointment of the third arbitrator for the purpose of determining or clarifying the issues to be decided in the arbitration, the specified procedures to be followed, and the schedule for briefing and/or hearings. The arbitrators shall hold a hearing and, within one hundred and twenty (120) calendar days of the preliminary meeting (except in extraordinary cases), shall issue a written decision, supported by a majority of the arbitrators, and include findings of fact and conclusions of law. Such decision shall thereafter be deemed to be part of this GTSA and incorporated by reference herein.

GAS TRANSMISSION SERVICE AGREEMENT

8.3.4 If one or both of the Parties have a substantial need for discovery in order to prepare for the arbitration hearing, the Parties shall attempt in good faith to agree on a minimum plan for expeditious discovery. Should they fail to reach agreement, either Party may request a joint meeting with the presiding arbitrator to explain points of agreement and disagreement, and the presiding arbitrator shall thereafter promptly determine the scope of discovery and the time allowed therefore.

8.3.5 Pending such written decision and findings of facts and conclusions of law as set forth in subparagraph 8.3.3, the Parties shall continue to operate under the GTSA as on the date the arbitration was requested; however, the decision by the panel should consider specifically the appropriateness of retroactive adjustments to the date the dispute first arose.

8.3.6 The allocation of costs of arbitration shall be considered and determined by the panel in connection with its decision, and, for example, the entire costs of such proceeding, including reasonable attorneys' fees (for in-house and outside counsel) may be awarded to the prevailing Party.

8.3.7 The United States District Court for the Northern District of California or a Superior Court of the State of California may enter judgment upon the panel's decision, either by confirming the decision or by vacating, modifying, or correcting the decision. The Court may vacate, modify, or correct any such decision only: (i) if there exist any of the grounds referred to in the United States Arbitration Act, or (ii) to the extent that the panel's conclusions of law are erroneous.

8.3.8 In the event it is necessary to enforce an arbitration award, all costs of enforcement, including reasonable attorneys' fees (for in-house and outside counsel), shall be payable to the prevailing Party.

8.4 The resolution of disputes subject to this Section 8 shall be governed, and the arbitrators shall render their decision in accordance with, the substantive laws of the State of California, without regard to its choice of law rules. Notwithstanding the foregoing, questions concerning the arbitrability of any issue under this dispute resolution clause shall be governed exclusively by the United States Arbitration Act.

8.5 Neither Party shall be liable under this GTSA for any punitive or exemplary damages.

9. FORCE MAJEURE

9.1 The term "force majeure," as employed herein, shall mean acts of God, strikes, lockouts or other industrial disturbances, acts of the public enemy, wars, blockage, insurrection, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, high water, washouts, civil disturbances, explosions, breakage or accident to machinery or lines of pipe, the necessity for making non-routine repairs, non-routine alterations to machinery or lines of pipe, freezing lines of pipe, acts of civil or military authority (including, but not limited to, courts, or administrative or regulatory agencies), and any other cause, whether of the kind herein enumerated or otherwise, not within the control of the Party claiming suspension and which, by the exercise of due diligence, that Party is unable to prevent or overcome.

9.1.1 It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the Party having the difficulty, and the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts when such course is inadvisable in the discretion of the Party having the difficulty.

9.1.2 It is understood and agreed that "force majeure" as used herein shall not include, nor are exclusions limited to, scheduled and routine maintenance and repairs of machinery and lines of pipe, operational flow orders or emergency flow orders in accordance with PG&E gas Rule 14, financial considerations, or the unavailability of upstream or downstream transportation or supply.

GAS TRANSMISSION SERVICE AGREEMENT

9.2 In the event Customer or PG&E is rendered unable, wholly or in part, by force majeure to carry out its obligations under this GTSA, it is agreed that, upon such Party giving notice and reasonably full particulars of such force majeure in writing (or by facsimile or telephone if confirmed in writing within seventy-two (72) hours) to the other Party within five (5) business days of the onset of the force majeure condition, then the obligations of the Party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of the effects of the cause, and the Party subject to such cause shall remedy it so far as possible with all reasonable dispatch; provided, however, that no force majeure shall be cause for delay in the payment for services rendered prior to its inception.

10. NOTICE

10.1 Unless expressly provided herein to the contrary, any notice called for in this GTSA shall be in writing and shall be considered as having been given if delivered by e-mail with read receipt verification, facsimile (if followed in a timely manner by confirming documents), courier, or registered mail, with all postage or charges prepaid, to either PG&E or Customer at the address designated below.

10.2 Routine communications, including monthly statements and payment, shall be considered duly delivered when received by e-mail with read receipt verification, posted electronically on PG&E's Website, ordinary mail or by facsimile (if confirmed by telephone communication and followed by confirming documents).

10.3 Customer's daily nominations shall be considered as duly delivered when received by facsimile, posted electronically on PG&E's Website or electronic data interchange.

10.4 The addresses of the Parties to be used for notices are as follows:

Formal Communications, Offers and Acceptances

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Title)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxxxx@pge.com

Billing Communications

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Title)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxxxx@pge.com

GAS TRANSMISSION SERVICE AGREEMENT

Payments

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

PG&E Billing Center
c/o Payment Research
885 Embarcadero Drive
West Sacramento, CA 95605-1503
Telephone No.: (800) 343-4743
e-mail: xxxxxx@pge.com

Operating Communications

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Department)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxx@pge.com

10.5 Either Party may from time to time change or designate any other name or address for such purposes upon timely notice by the Party requesting such change.

11. ADDITIONAL PROVISIONS

11.1 This GTSA and the obligations of the Parties hereunder shall be controlled by, interpreted, and construed in accordance with the laws of the state of California without regard to the principles of conflicts of law or other principles that might refer the governance of the construction of this GTSA to the law of another jurisdiction.

11.2 This GTSA in all respects shall be and remains subject to applicable PG&E gas Rules and Rate Schedules in effect during the term of this GTSA as they may change from time to time.

11.3 PG&E shall not be required to perform or to continue to perform service under this GTSA if Customer becomes insolvent, or fails to establish or confirm its creditworthiness within a reasonable period following PG&E's request. Customer agrees to provide PG&E, initially and on a continuing basis as requested by PG&E, evidence of Customer's creditworthiness as a condition of Customer's eligibility to receive service under this GTSA.

11.4 No consent or waiver, express or implied, by either Party to any breach or default by the other Party in the performance of obligations hereunder shall be deemed or construed to be a consent to or waiver of any other breach or default, whether of a like or of a different character. Failure on the part of either Party to complain of any act or failure to act by the other Party or to declare the other Party in default, regardless of how long such failure continues, shall not constitute a waiver by such Party of any of its rights hereunder.

11.5 No Party shall be obligated to finance, construct, add to, alter, or modify any facilities in connection with the receipt or performance of services pursuant to this GTSA.

11.6 This GTSA is intended to be solely for the benefit of the Parties and their permitted successors and assigns, and, except as may be specifically set forth herein, is not intended to and shall not be construed to confer upon any other party any other rights or benefits. Nothing in this GTSA shall be construed to create any duty to, any standard of care with reference to, or any liability to any third party.

GAS TRANSMISSION SERVICE AGREEMENT

11.7 Nothing in this GTSA shall be deemed to create any rights or obligations between the Parties hereto after the termination or expiration of this GTSA; however, termination or expiration of this GTSA shall not relieve either Party of the obligation to correct any volume imbalances, or relieve Customer of the obligation to pay any amounts due to PG&E for service provided prior to the date of termination or expiration.

11.8 PG&E shall have no liability to any Customer, or any assignee thereof, for any curtailment or interruption of service or losses of gas pursuant to this GTSA, PG&E's gas Rules or Rate Schedules. The liability of PG&E for any curtailments or interruptions or gas losses otherwise arising out of mistakes, omissions, interruptions, delays, errors or defects in any of the gas services or facilities furnished by PG&E shall in no event exceed an amount equal to any applicable pro rata charges for the period during which the services or facilities are affected by the mistake, omission, interruption, delay, error or defect and under no circumstances shall PG&E be liable to Customer, or assignee thereof, for consequential, indirect or punitive damages for an interruption or curtailment of service or losses of gas, whether arising in contract, Tort (including negligence) or otherwise; provided, however, that the provisions hereof shall not apply to damages caused by willful misconduct, fraudulent conduct or violations of law.

11.9 Unless otherwise provided, all substances, whether or not of commercial value and including all liquid hydrocarbons of whatever nature, that PG&E recovers in the normal course of providing service to Customer hereunder, shall be PG&E's sole property, and PG&E shall have no obligation to account to Customer for any value that may attach or be said to attach to such substances.

11.10 Any provision of this GTSA that is prohibited by or unenforceable in any applicable jurisdiction shall, as to that jurisdiction, be ineffective to the extent of that prohibition or unenforceability without invalidating the remaining provisions hereof or affecting the validity or enforceability of that provision in any other jurisdiction.

11.11 PG&E may accept facsimile copies of this GTSA and any other notices or agreements hereunder, and the same shall be binding on Customer as though they were original signed documents. PG&E may accept the signature of any representative of Customer on any such agreement or notice, and the same shall be binding on Customer without any obligation on PG&E's part to verify that the person so signing has authority to bind Customer provided that Customer may, and has the affirmative obligation to, provide PG&E with a list of people authorized by Customer to execute such documents or agreements with PG&E, and, if Customer provides such a list, PG&E shall limit its acceptance of and reliance on such documents accordingly.

11.12 This GTSA and the Exhibits executed by Customer and PG&E under this GTSA constitute the entire agreement of the Parties on the matters set forth herein, and may be amended or modified only by an instrument in writing executed by both Parties (except changes to names and addresses in Paragraph 10.4.

IN WITNESS WHEREOF, the Parties hereto have caused this GTSA to be executed and in effect.

FOR CUSTOMER

FOR PACIFIC GAS AND ELECTRIC COMPANY

Signature _____
Name _____
Date _____

Signature _____
Name _____
Date _____

Title of Authorized Representative

Title of Authorized Representative

Incorporated Attachment(s): Applicable Exhibit(s)

Gas Rules 1, 14, 21, 25, 26, 29 are available at www.pge.com/tariffs

Please contact a CGT Account Manager at 1-800-343-4743 if you do not have access to a computer to view our Web Tariff Book or if you have difficulty opening the link



GAS RULE NO. 1
DEFINITIONS

Sheet 1

ABNORMAL PEAK DAY (APD): An Abnormal Peak Day (APD) is the coldest day which could reasonably be expected to occur within the PG&E system for planning purposes and is based on the coldest day of record for the PG&E territory.

ADVANCED ELECTRICAL DISTRIBUTED GENERATION: Any electric distributed generation technology that generates electricity and meets all of the conditions in Public Utilities Code (PUC) Section 379.8. The conditions are:

1. Meets emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program,
2. Produces de minimis emissions of sulfur oxides and nitrogen oxides,
3. Meets greenhouse gases emission performance standards pursuant to PUC Section 8341,
4. Has a total electrical efficiency of not less than 45 percent,
5. Is sized to meet generator's onsite electrical demand,
6. Has parallel operation to the electrical distribution grid.

The provisions of Assembly Bill 1110 which added PUC Section 379.8 to the Public Utilities Code, as amended by Assembly Bill 796, do not apply to Advanced Electrical Distributed Generation technology that is first operational at a site on or after January 1, 2016.

ALTERNATIVE FUEL: Any fuel, gaseous, liquid, or solid, that may be used in lieu of gas. Electricity shall not be considered as an alternative fuel for purposes of conversion.

(T)

ANNUAL CONTRACT QUANTITY (ACQ): The annual gas delivery quantity contracted for during each contract year as specified in a service agreement.

APPLICANT: A person or agency requesting PG&E to supply gas service.

APPLICATION: A written request to PG&E for gas service; not an inquiry as to the availability or charges for such service.

AVERAGE DAILY QUANTITY (ADQ): The monthly contracted quantity divided by the number of Customer's operating days in that month.

AVERAGE MONTHLY USE: The total amount of gas used under each rate schedule(s) during the 12 billing months ending with the current billing month, divided by 12. If the Customer does not have 12 billing months of use under a noncore rate schedule, the average monthly use will be determined by dividing the cumulative gas use by the number of billing months since service was initiated.

(Continued)

Advice 4316-G
Decision 20-08-035

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted September 28, 2020
Effective
Resolution



GAS RULE NO. 1
DEFINITIONS

Sheet 3

BALANCING SERVICE: A best-efforts service to accommodate imbalances between actual Customer usage and Customer-owned gas delivered to PG&E.

BASELINE: A rate structure mandated by the California Legislature and implemented at PG&E in 1984 that ensures all residential customers are provided a minimum necessary quantity of gas at the lowest possible cost.

BILLING CYCLE: The regular interval at which a bill for gas service is rendered; typically spans a 27-to-33 day period.

BIOGAS: Biogas is created when waste obtained from non-hazardous landfills, dairies, sewage treatment plants, and other sources decomposes or is treated.

BIOMETHANE: Biomethane is produced by processing or upgrading Biogas to increase the percentage of methane in the gas by removing carbon dioxide and other trace components to meet the standards for injection into a common carrier pipeline. Biomethane does not include biogas collected from a hazardous waste landfill, as defined in Health & Safety Code §25117.1. Biomethane must be free from bacteria, pathogens and any other substances injurious to utility facilities, or other constituents that would cause the gas to be unmarketable. Biomethane must conform to the gas quality specifications identified in Gas Rule Nos.21 and 29, and to all other tariffs and standard utility operating practices and guidelines. (T)

BRANCH SERVICE: A service that is not connected to a gas main and has another service as its source of supply.

BRITISH THERMAL UNIT (Btu): The standard unit for measuring a quantity of thermal energy. One Btu equals the amount of thermal energy required to raise the temperature of one pound of water one degree Fahrenheit and is exactly defined as equal to 1,055.05585262 joule, rounded to 1,055.056 joule. (A joule is equal to one watt-second.)

BROKERAGE FEE: Rates for customers, including UEG and Wholesale, who procure supply from PG&E's gas supply portfolio, include a component for the Brokerage Fee.

Btu AREA: A physically identifiable area of the gas transmission and/or distribution system in which the Btu and specific gravity of the gas is measured at a single point representative of the entire area.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 4

CALIFORNIA PRODUCTION: Gas production:

1. Gas from wells or a production facility for gas located in PG&E's service territory;
2. Must meet the gas quality requirements of Gas Rule No. 21 or Gas Rule Nos. 21 and 29, subject to gas supply type; (T)
(T)
3. Not received by PG&E either by direct flow, by exchange, or by backhaul, at an interconnection point with another pipeline, including, but not limited to, the following interconnection points: Malin, Topock, Daggett, or Kern River Station; and
4. Subject to a balancing agreement with PG&E (California Production Balancing Agreement, Form No. 79-944).

CAPACITY: The maximum amount of gas that can be produced, transported, stored, and distributed, or utilized in a given period of time on the PG&E Backbone pipeline network or at point(s) of interconnection. (T)

CAPACITY CONSTRAINT: A restriction or limitation at any point on PG&E's system which affects acceptance, movement, or subsequent redelivery of gas. PG&E shall be the sole judge of whether it has sufficient capacity to deliver gas to Customers. (T)

CITYGATE: The citygate is the point at which the Backbone Transmission System connects to the Local Transmission and Distribution System.

COGENERATION: The sequential use of energy for the production of electrical and useful thermal energy. The sequence can be thermal use followed by power production or the reverse, subject to the following standards:

1. At least 5 percent of the facility's total annual energy output shall be in the form of useful thermal energy.
2. Where useful thermal energy follows power production, the useful annual power output plus one-half the useful annual thermal energy output equals not less than 42.5 percent of any gas and oil energy input.

COMMISSION: The Public Utilities Commission of the State of California, sometimes referred to as the Public Utilities Commission (PUC) or the CPUC.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 5

COMMON USE AREAS: Those areas that may be shared or used by occupants within a multifamily accommodation, including, but not limited to, laundry room, recreation room, swimming pool, tennis courts, gardens, hall/outdoor lighting.

COMPANY: Pacific Gas and Electric Company (PG&E).

COMPANY'S OPERATING CONVENIENCE: The use, under certain circumstances, of facilities or practices not ordinarily employed which contribute to the overall efficiency of PG&E's operations; the term does not refer to customer convenience nor to the use of facilities or adoption of practices required to comply with applicable laws, ordinances, rules, regulations, or similar requirements of public authorities.

CONSUMER PRICE INDEX: The Index, as published monthly by the Bureau of Labor Statistics in its "Consumer Price Index Detailed Report"; specifically therein referred to as the "San Francisco-Oakland Consumer Price Index."

CORE END-USE CUSTOMER: A Core End-Use Customer is a Customer physically connected to the local distribution system. Core End-Use Customers normally lack alternatives to gas service. Core End-Use Customers include all residential Customers, and non-residential Customers whose gas use does not meet the minimum usage requirements specified in the noncore rate schedules, or whose gas use meets the minimum usage requirements, but do not elect to be classified as a Noncore End-Use Customer.

(T)
(T)

CORE PROCUREMENT GROUP: Core Transport Groups and PG&E's Core Gas Supply Department.

CORE TRANSPORT AGENT: An individual or company that contracts with PG&E and participating core gas transportation service Customers as the responsible agent to manage gas deliveries to PG&E on behalf of a Core Transport Group.

(T)

CORE TRANSPORT GROUP: Any combination of core Customers (individual commercial and/or residential customers) whose total gas use is greater than or equal to 120,000 therms on an annual basis. The aggregation of gas accounts into a Core Transport Group is needed for core Customers to qualify for core gas transportation service.

COST OF OWNERSHIP (COO): A monthly charge applied to special facilities to recover the cost to PG&E of operating the special facility. When applicant-financed the charge includes the cost components for operations and maintenance (O&M), administration and general expenses (A&G), property taxes, and Revenue Fees and Uncollectible (RF&U) accounts expense, and the cost of replacement facilities at no additional cost for sixty (60) years. The applicant-financed percentage is also used to calculate COO charges on unsupported distribution line extension costs. See Rule 15.E.6

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 6

When PG&E-financed the monthly cost components include all of those listed above for applicant-financed special facilities plus components to cover the costs of income taxes, return on investment, and depreciation. The PG&E-financed COO is also used to calculate line extension allowances. (See Rule 15. C. 2 & C.3.)

CPUC (CALIFORNIA PUBLIC UTILITIES COMMISSION): The Public Utilities Commission of the State of California.

CUBIC FOOT OF GAS: The quantity of gas that, at a temperature of sixty (60) degrees Fahrenheit and a pressure of 14.73 pounds per square inch absolute, occupies one cubic foot.

CUSTOMER: The person, group of persons, firm, corporation, institution, municipality, or other civic body, in whose name service is rendered, as evidenced by the signature on the application, contract, or agreement for that service or, in the absence of a signed instrument, by the receipt and payment of bills regularly issued in that name, regardless of the identity of the actual user of the service.

CUSTOMER-OWNED GAS: Gas procured by the Customer which is not part of PG&E's procured supplies.

DAILY AVAILABLE CAPACITY: The maximum capacity of a pipeline system on a given day. This capacity can vary from day to day depending on the operating conditions, e.g., load pressures and ambient temperatures, and the availability of facilities and equipment, such as compressor units.

DECATHERM (Dth) (Also DEKATHERM): A unit of energy equal to ten therms, or one million Btu.

DECORATIVE GAS APPLIANCES: Decorative gas appliances include, but are not limited to, artificial fireplace logs or decorative gas lighting, and do not provide space or water heating.

DELIVERY POINT(S): The point(s) on PG&E's pipeline system where PG&E delivers gas that it has transported to the Customer. (T)

DISPLACEMENT RECEIPT POINT CAPACITY: Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point but do not increase the overall downstream capacity of the Utility's pipeline system. The addition of Displacement Receipt Point Capacity increases the ability of the Utility to receive gas from a particular Receipt Point or zone in competition with other gas supplies diverted into the Utility's pipeline system. (N)

DISTRIBUTION SYSTEM: Generally, mains, service connections, and equipment that carry or control the supply of gas from point of local supply to and including the meter. (T)

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 7

ELECTRIC-UTILITY START-UP AND IGNITOR FUEL: Electric utility gas use where no alternative-fuel capability exists for: (a) heating the boiler system adequately during start-up to enable efficient oil burning to meet pollution standards; and (b) insuring continuous ignition and flame stabilization within the boiler. (T)

EMERGENCY CONSUMER PROTECTION PLAN: Pursuant to CPUC directives and advice letters listed below, residential and non-residential customers in areas where a state of emergency proclamation is issued by the California Governor's Office or the President of the United States due to a disaster that affects utility services are eligible for applicable measures under PG&E's Emergency Consumer Protection Plan.

The Emergency Consumer Protection Plan includes:

Measure for Impacted¹ Customers.

- Stop estimated usage for billing attributed to the period account was unoccupied due to disaster* (Gas Rule 9).
- Offer favorable payment plan as needed to impacted customers, including customers with employment impacted by a disaster[†] (Gas Rule 11).
- Offer Low income support measures[†] (Gas Rule 19.1, 19.2 and 19.3).

Additional Emergency Measure for Red-Tagged² Customers.

- Discontinue billing and prorate the minimum delivery charges* (Gas Rule 9).
- Suspend disconnections for non-payment[†] (Gas Rule 11).
- Waive reconnection fees and return check fees[†] (Gas Rule 11).
- Waive security deposit for reestablishment of service[†] (Gas Rule 6).
- Expedite move-in and move-out service requests.[‡]
- Ability to reestablish service under a prior rate schedule as long as the rate schedule is still available and has not been retired[‡] (Gas Rule 12).

¹ Impacted customers live within 2 miles of the fire-impacted perimeter as designated by CAL FIRE.

² Red-tagged customers have homes or businesses that are unserviceable because of the disaster.

* On a one-time per event basis.

[†] For 12 months from the date the Governor issues state of emergency proclamation.

[‡] For 12 months from the date the Governor issues state of emergency proclamation and until services are restored (once permanent electric or gas meter is installed/set).

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 10

END-USE CUSTOMER: See CORE END-USE CUSTOMER and NONCORE END-USE CUSTOMER.

ELECTRONIC BILLING: A billing method whereby at the mutual option of the Customer and PG&E, the Customer elects to receive, view, and pay bills electronically and to no longer receive paper bills.

ELECTRONIC PRESENTMENT: When made available or transmitted electronically to the Customer at an agreed upon location.

ENERGY PUBLIC UTILITY: Investor-owned electric and/or natural gas public utility regulated by the California Public Utilities Commission, or a municipal utility.

ENHANCED OIL RECOVERY: Any operation which includes the use of gas as a fuel to pressure, cycle or inject steam or hot water into a well for the purpose of increasing oil production from that well, including gas used for cogeneration to promote these operations.

EXPANSION RECEIPT POINT CAPACITY: Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point and the overall downstream capacity of the Utility's pipeline system. (N)
|
(N)

GAS: Any mixture of combustible and non-combustible gases used to produce heat by burning that can be accepted into a Utility pipeline without any compromise to operational safety or integrity. It shall include, but not be limited to, natural gas, renewable gas, biomethane, manufactured gas, or a mixture of any or all of the above. It shall meet the Utility's quality specifications, tariffs, rules and other applicable regulations. (T)
|
|
|
(T)

HEATING VALUE: The term "heating value" as used in these rules shall mean total heating value of the gas normally measured on a dry basis (unless otherwise specified), and is defined as the number of British Thermal Units evolved by the complete combustion, at constant pressure, of one standard cubic foot of gas with air, the temperature of the gas, air and products of combustion being 60 degrees Fahrenheit and all of the water formed by the combustion reaction being condensed to the liquid state.

HOUSING PROJECT: A building or group of buildings located on a single premises and containing residential dwelling units for which master metering of gas service at one location has been requested.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 11

INDIVIDUAL METERING: Where PG&E installs a separate service and meter for each individual residence, apartment dwelling unit, mobilehome space, store, office, etc.

INDUSTRIAL USE: Services to Customers engaged primarily in a process which creates or changes raw unfinished materials into another form or product. Industrial use is further defined as uses in the categories falling under Division B, Mining, Division C, Construction, and Division D, Manufacturing in the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget.

INTERSTATE TRANSPORTATION: Transportation of natural gas on a pipeline system under the regulation of the Federal Energy Regulatory Commission.

INTRASTATE TRANSPORTATION: Transportation of gas on the PG&E system. (T)

LIQUEFIED PETROLEUM GAS (LPG): A gas containing certain specific hydrocarbons (such as butane or propane) which are gaseous under ambient atmospheric conditions, which can be liquefied under moderate pressure at normal temperatures.

LOCAL TRANSMISSION SYSTEM: The term Local Transmission System includes the pipeline used to accept gas from the Backbone Transmission System, and transport it to the Distribution System. For PG&E, the Local Transmission System consists of all numbered (i.e., named) pipelines that are not considered part of the Backbone Transmission System, and Distribution Feeder Mains (DFMs), with a maximum operating pressure of greater than 60 (sixty) pounds per square inch.

MAILED: A communication sent by electronic means or enclosed in a sealed envelope, properly addressed and deposited in any U.S. Post Office box, postage prepaid, or unless otherwise prescribed in California Public Utility Code §779.1 or by the CPUC⁴.

MAIN EXTENSION: The length of main and related facilities required to move gas from the existing facilities to the point of connection with the service piping.

⁴ Public Utilities Code §779.1 requires PG&E to provide a mailed, prepaid notice to customers of potential disconnection due to nonpayment at least 10 days prior to the proposed termination. In addition, pursuant to D.20-06-003, OP 15, PG&E will provide disconnection notices via email to customers who have opted to receive electronic communications.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 12

MASTER-METERING: Where PG&E installs one service and meter to supply more than one residence, apartment dwelling unit, mobilehome space, store, office, etc.

MAXIMUM DAILY QUANTITY (MDQ): The maximum quantity of gas that can be nominated daily, as specified in the Customer's Natural Gas Service Agreement or Gas Transmission Service Agreement. (T)

MERCHANTABILITY: The ability to purchase, sell, or market Gas. The Gas shall not contain dust, sand, dirt, gums, oils, microbes, bacteria, pathogens and/or other substances at levels that would be injurious to Utility facilities or which would present a health and/or safety hazard to Utility employees, customers, and/or the public or that would cause Gas to be unmarketable. (N)
|
|
|
(N)

METER: The instrument owned and maintained by PG&E that is used for measuring the gas delivered to the Customer. (T)

MIXED USE: Existing customers with a mix of residential and non-residential uses (mixed use) will be presumed to be on an applicable rate. However, if the predominate use is demonstrated to be more than 50% of the designated billing classification (residential or non-residential), then the rate may be changed to the billing classification applicable to the predominate use if the billing classification is consistent with the local governmental entity's treatment of the Premise as residential or non-residential (e.g. commercial). For purposes of determining predominate use, all common area usage will be considered residential usage regardless of whether the customer has elected a residential or non-residential billing classification for that common area usage under PG&E's tariffs. To the extent a Residential Dwelling Unit has both gas and electric service, all of the services must be served under the same billing classification. A customer however, has the obligation to notify PG&E if the billing classification is no longer consistent with the predominant use on the meter. PG&E has no obligation to change rates until such notification is received. Rate change obligations shall be prospective only unless PG&E failed to act on a customer notification in a timely fashion. If a notification occurs and there is a failure to act on PG&E's part, then such failure to act will be treated as a billing error under Rule 17.1 1.

(Continued)

Advice 4316-G
Decision 20-08-035

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Effective
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GAS RULE NO. 1
DEFINITIONS

Sheet 16

PRESSURE RECORDING DEVICE: A mechanical or electronic device that automatically records gas pressure on a storage medium.

PUBLIC UTILITIES COMMISSION: The Public Utilities Commission of the State of California.

QUALIFIED CONTRACTOR/SUBCONTRACTOR (QC/S): An applicant's contractor or subcontractor who:

1. Is licensed in California for the appropriate type of work such as, but not limited to, gas and general;
2. Employs workmen properly certified for specific required skills such as, but not limited to, plastic fusion and welding. Workmen shall be properly qualified; and
3. Complies with applicable laws such as, but not limited to, Equal Opportunity Regulations, OSHA, and EPA.

RATE SCHEDULE: One or more tariff sheet(s) setting forth the charges and conditions for a particular class or type of service in a given area or location. A Rate Schedule includes all the wording on the applicable tariff sheet(s), such as schedule number, title, class of service, applicability, territory, rates, conditions, and references to rules.

RAW PRODUCT GAS OR FEEDSTOCK GAS: Gas from biogenic or other renewable sources, such as Biogas, biomass or power to Gas from renewable electricity, before conditioning or upgrading to comply with Gas Rule 29's gas quality specifications. (N)
|
(N)

RECEIPT POINT(S): The place(s) where Customer delivers, or has delivered on its behalf, gas into the PG&E pipeline system. (T)

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 20

STUB SERVICE: A lateral pipe, including valves and fittings, from and including the connection at the main to a dead end near the curb or property line of the street in which the main is located.

SUBMETERING: Where the master-metered customer installs, owns, maintains, and reads the meters for billing the tenants in accordance with Rule 18.

TARIFF SCHEDULES: The entire body of effective rates, rentals, charges, and rules, collectively, of PG&E, including title page, preliminary statement, rate schedules, rules, sample forms, service area maps, and list of contracts and deviations.

TARIFF SHEET: An individual sheet of PG&E's tariffs.

TEMPORARY SERVICE: Service for enterprises or activities which are temporary in character or where it is known in advance that service will be of limited duration. Service which, in the opinion of PG&E, is for operations of a speculative character of which the permanence has not been established is also considered temporary service.

TRACT OR SUBDIVISION: An area for family dwellings which may be identified by filed subdivision plans or as an area in which a group of dwellings may be constructed about the same time, either by a large scale builder or by several builders working on a coordinated basis.

TRANSMISSION SYSTEM: The Transmission System is PG&E's backbone and local gas transmission lines, including gathering and Stanpac lines.

UTILITY: Pacific Gas and Electric Company (PG&E).

UTILITY USERS TAX: A tax imposed by local governments on PG&E's customers. PG&E is required to bill customers within the city or county for the taxes due, collect the taxes from customers, and then pay the taxes to the city or county. The tax is calculated as a percentage of the charges billed by PG&E for energy use.

WHOLESALE/RESALE CUSTOMER: A Customer who takes service under gas Schedule G-WSL—Gas Transportation Service to Wholesale/Resale Customers, which applies to the transportation of gas for resale.

(T)

WOBBE INDEX: $HHV/(\sqrt{\text{Relative Density}_{\text{real}}})$ as defined in Section 2.20 in the 2009 American Gas Association (AGA) Report No. 5 Natural Gas Energy Measurement.

(N)

(N)



GAS RULE NO. 14

Sheet 1

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

A. GENERAL

PG&E may reduce, interrupt, or allocate gas transportation, storage or supply services for operational reasons or to comply with regulatory requirements in the event of projected or actual supply or capacity shortages.

(T)

Capacity allocation is a reduction or adjustment of the nominations at a specific Receipt Point to match the capacity available at the Receipt Point or the capacity available in transmission facilities connected to the Receipt Point. A Delivery Point service restriction is a reduction of the daily quantity delivered for the Customer or temporary interruption of the Customer's service. A Customer's intrastate service choices will affect the frequency and duration of capacity allocations and delivery point service restrictions.

PG&E will exercise reasonable diligence and care to furnish and deliver continuous service and a sufficient quantity of gas to Customers, but PG&E does not guarantee continuity of service or sufficiency of quantity. PG&E shall not be liable for interruption, shortage, or insufficient supply, or any loss or damage of any kind or character caused by such, if caused by accident, act of God, fire, strikes, riots, war, or any other cause that is beyond PG&E's reasonable control except that arising from PG&E's failure to exercise reasonable diligence. PG&E shall be the sole judge of whether it is operationally able to receive and/or deliver gas, consistent with regulatory requirements. PG&E shall not be liable to Customer for damages, or otherwise, as the result of any interruption, reduction, or allocation of gas transportation capacity or delivery service.

PG&E may, in the exercise of reasonable judgment, reduce receipts or deliveries of gas in order to test, alter, modify, enlarge, or repair any part of the PG&E system or any facility or property related to the operation of the PG&E system. In all such cases, PG&E shall give Customers reasonable notice as circumstances will permit, and PG&E shall complete such repairs or improvements as soon as practicable and with minimal inconvenience to Customers.

(T)

(Continued)

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GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 2

(T)

B. RECEIPT POINT CAPACITY ALLOCATION

1. ALLOCATION BECAUSE OF NON-CONFORMANCE OF GAS TO PG&E'S SPECIFICATIONS

PG&E has the right and responsibility to maintain the quality standards of the gas in its system. PG&E may refuse to accept gas or to accept limited amounts of gas if the gas is not of the quality required for service to PG&E Customers. PG&E shall be the sole judge of the ability of its system to accept any such gas not conforming to its specifications. (See Gas Rules 21 and 29, subject to gas supply type, for quality standards.)

(T)
(T)

2. ALLOCATION DUE TO LOCAL CONSTRAINTS

PG&E may reduce the amount of gas PG&E receives on the Customer's behalf due to operating conditions or regulatory requirements affecting all or a portion of PG&E's system. PG&E will take whatever steps it determines are operationally appropriate in the event a constraint on PG&E's local transmission or distribution facilities threatens service to Customers. In the event an Emergency Flow Order (EFO) is ordered due to a local constraint, EFO charges may apply, but involuntary diversion charges will not apply. (See Sections F and G, below.)

3. ALLOCATIONS DUE TO CONSTRAINTS AT INTERCONNECTION POINTS

a. BACKBONE TRANSMISSION SYSTEM RECEIPTS

In the event PG&E reduces receipt of gas supplies at a Backbone Transmission System interconnection point because of operating conditions or regulatory requirements, PG&E will allocate receipt capacity at the Backbone Transmission System interconnection point in the order of priorities set forth in Section D.

(Continued)



GAS RULE NO. 14

Sheet 3

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

B. RECEIPT POINT CAPACITY ALLOCATION (Cont'd.)

3. ALLOCATIONS DUE TO CONSTRAINTS AT INTERCONNECTION POINTS (Cont'd.)

b. TRANSPORTATION TO STORAGE

In the event PG&E reduces injection of gas supplies to storage because of operating conditions or regulatory requirements, transportation priority to storage will be determined by the Customer's Gas Transmission Service Agreement (GTSA) (Form No. 79-866), and injection priority at PG&E's storage interconnection will be determined by the Storage Exhibit of the Customer's GTSA, in the order of priorities set forth in Section D.

c. STORAGE WITHDRAWAL AND TRANSPORTATION FROM STORAGE

In the event PG&E reduces withdrawal of gas supplies from storage because of operating conditions or regulatory requirements, transportation priority from storage to the delivery point will be determined by the Customer's GTSA, and withdrawal priority at PG&E's storage interconnection will be determined by the Storage Exhibit of the Customer's GTSA, in the order of priorities set forth in Section D.

4. OPTION(S) WHEN NOMINATIONS ARE REDUCED

In the event PG&E reduces its receipt of Customer-owned gas for any reasons cited above, the Customer must, in the alternative, obtain third-party gas supplies, stop receiving service, or receive supplies subject to Schedule G-BAL, if this service is available.

(T)

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 4

(T)

C. DELIVERY POINT SERVICE RESTRICTIONS

1. REASONS FOR SERVICE RESTRICTIONS

a. OPERATING CONSTRAINTS

PG&E may interrupt or reduce delivery of gas in the event of projected or actual capacity constraints or projected or actual supply shortages on the PG&E system, subject to the priorities set forth in Section D.

(T)

b. LOCAL CONSTRAINTS

In the event of localized constraints, Customers in unconstrained areas may continue to receive service; provided, however that PG&E may take whatever steps it determines are operationally necessary in the event a constraint on local transmission or distribution threatens service to Customers. This includes curtailment of Noncore End-Use Customers.

To the extent feasible, PG&E will use the Backbone Transmission System priority of service procedures to prioritize Noncore End-Use Customers in the affected service area. In the event an Emergency Flow Order (EFO) is ordered due to a local constraint, EFO charges may apply, but involuntary diversion charges will not apply. (See Sections F and G, below.)

c. OPERATING/REGULATORY CONSTRAINTS

In the event PG&E reduces delivery of gas supplies at any delivery point because of operating conditions or regulatory requirements, PG&E will allocate delivery capacity at the delivery points in the order of priorities set forth in Section D.

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 5

(T)

C. DELIVERY POINT SERVICE RESTRICTIONS (Cont'd.)

1. REASONS FOR SERVICE RESTRICTIONS (Cont'd.)

d. SUPPLY SHORTFALLS

In the event the quantity of gas received by PG&E from an interstate pipeline is less than the confirmed nominations to that interstate pipeline, PG&E will allocate the gas actually received by PG&E in accordance with the nomination priorities designated by the nominating party on the Backbone Transmission System.

To the extent that the interstate pipeline's records are subsequently determined to support a different allocation, then an adjustment will be made to the Customer's account.

2. PROCEDURES TO IMPLEMENT DELIVERY POINT SERVICE RESTRICTIONS

a. NOTICE

PG&E shall attempt to give the Customer, or its Authorized Agent, 24-hour notice of an impending service restriction, or at a minimum, as much notice as is reasonably possible under the circumstances.

b. SEQUENCE

During a service restriction, service will be prioritized as set forth in Section D.

(Continued)



GAS RULE NO. 14

Sheet 6

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

D. PRIORITY OF SERVICE

1. TRANSMISSION RECEIPT POINTS

- a. For Lines 300/400/401, PG&E will allocate service on the Backbone Transmission paths, Baja, Redwood and Mission, in the following order:
 - 1) All Firm service at all receipt points on a defined transmission path will be treated equally, with pro rata allocation of nominations, if necessary.
 - 2) When no constraints exist for As-Available service, such service will be scheduled as follows:
 - a) Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis.
 - b) The Redwood Path and Baja Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.
 - 3) When constraints exist for As-Available service for Redwood Path (Line 400/401) and/or Baja Path (Line 300), such service will be scheduled as follows:
 - a) Redwood Path Allocation (Line 400/401):
 - i) The initial allocation of Line 400/401 As-Available capacity will be prorated based on each impacted independent storage provider's Net Withdrawal Nominations affecting the Redwood path capacity and Redwood path As-Available nominations. Net Withdrawal Nominations affecting the Redwood path capacity are defined as: the total withdrawal nominations less any injection nominations and less PG&E's ability to place withdrawal gas directly into a local transmission system.

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 7

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.)

3) (Cont'd.)

a) Redwood Path Allocation (Line 400/401) (Cont'd.)

i) (Cont'd.)

For the purpose of allocating Line 400/401 As-Available capacity, Net Withdrawal Nominations affecting the Redwood path capacity from an independent storage provider will be limited to the independent storage provider's maximum certificated withdrawal capacity, less PG&E's ability to place the gas directly into a local transmission system. Redwood Path As-Available nominations will be limited to the Line 400/401 As-Available capacity.

ii) After the initial allocation of Line 400/401 As-Available capacity to the Redwood Path, the total receipt volume at Redwood path receipt points on Line 400/401 is calculated as the sum of the firm nominations and allocated As-Available capacity. After the receipt volume at Redwood path receipt points is established, PG&E will determine the maximum additional storage withdrawals affecting Line 400/401 that can be accommodated.

If PG&E can accommodate additional withdrawals, this capacity will be allocated to each independent storage provider based on the same limited Net Withdrawal Nominations affecting Line 400/401 used in Section a)i) above. The total capacity for each independent storage provider used for scheduling nominations will be the sum of the final capacity for delivery affecting Line 400/401 plus the amount that PG&E can place into the Local Transmission System.

(Continued)



GAS RULE NO. 14
 CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 8

(T)

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.)

3) (Cont'd.)

a) Redwood Path Allocation (Line 400/401) (Cont'd.)

iii) After the total capacity for each storage provider is determined, the withdrawal nominations from each storage provider will be scheduled as follows:

Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis.

iv) The Redwood Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

b) Baja Path Allocation (Line 300):

i) The initial allocation of Baja Path As-Available capacity will be prorated based on each impacted independent storage provider's¹ Net Withdrawal Nominations affecting the Baja Path capacity and Baja Path As-Available nominations. Net Withdrawal Nominations affecting the Baja Path capacity are defined as: the total withdrawal nominations less any injection nominations and less PG&E's ability to place withdrawal gas directly into a local transmission system.

¹ If a Baja Path allocation process is necessary, Gill Ranch Storage withdrawals will include PG&E's owned storage withdrawal portion from the Gill Ranch Storage field.

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 9

(T)

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.)

3) (Cont'd.)

b) Baja Path Allocation (Line 300) (Cont'd.):

i) (Cont'd.)

For the purpose of allocating Line 300 As-Available capacity, Net Withdrawal Nominations affecting the Baja path capacity from an independent storage provider will be limited to the independent storage provider's maximum certificated withdrawal capacity, less PG&E's ability to place the gas directly into a local transmission system. Baja Path As-Available nominations will be limited to the Line 300 As-Available capacity.

ii) After the initial allocation of Line 300 As-Available capacity to the Baja Path, the total receipt volume at Baja Path receipt points on Line 300 is calculated as the sum of the firm nominations and allocated As-Available capacity. After the receipt volume at Baja Path receipt points is established, PG&E will determine the maximum additional storage withdrawals affecting Line 300 that can be accommodated.

If PG&E can accommodate additional withdrawals, this capacity will be allocated to each impacted independent storage provider based on the same limited Net Withdrawal Nominations affecting Line 300 used in Section b)i) above. The total capacity for each independent storage provider used for scheduling nominations will be the sum of the final capacity for delivery affecting Line 300 plus the amount that PG&E can place into the Local Transmission System.

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 10

(T)

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.)

3) (Cont'd.)

b) Baja Path Allocation (Line 300) (Cont'd.)

iii) After the total capacity for each storage provider is determined, the withdrawal nominations from each storage provider will be scheduled as follows:

Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis.

iv) The Baja Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

b. For all other Backbone Transmission paths, PG&E will allocate service on the Backbone Transmission path in the following order:

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 11

(T)

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

b. (Cont'd.)

- 1) All Firm service at all receipt points on a defined transmission path will be treated equally, with pro rata allocation of nominations, if necessary.
- 2) All other As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

2. TRANSMISSION DELIVERY POINTS

PG&E will allocate service on the Backbone Transmission System in the following order:

- a. All Firm service at a given delivery point will be treated equally, with pro rata allocation of nominations, if necessary;
- b. As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 12

(T)

D. PRIORITY OF SERVICE (Cont'd.)

3. PG&E STORAGE INJECTION AND TRANSPORTATION TO STORAGE

- a. Transportation priority to PG&E storage will be determined by the Customer's Gas Transmission Service Agreement (Form 79-866) (GTSA) utilized to transport the gas to storage.
- b. Injection priority at PG&E's storage facilities will be determined by the Storage Exhibit of the Customer's GTSA, as follows:
 - 1) All PG&E Firm storage service (treated equally, with pro rata allocation of nominations, if necessary);
 - 2) PG&E As-Available storage service (scheduled according to contract price,* with the lowest contract price for injection interrupted first).

4. PG&E STORAGE WITHDRAWAL AND TRANSPORTATION FROM STORAGE

- a. Transportation priority from PG&E storage to the delivery point will be determined by the Customer's GTSA utilized to transport the gas from storage.
- b. Withdrawal priority at PG&E's storage facilities will be determined by the Storage Exhibit of the Customer's GTSA, as follows:
 - 1) All PG&E Firm storage service (treated equally, with pro rata allocation of nominations, if necessary);
 - 2) PG&E As-Available storage service (scheduled according to contract price,** with the lowest contract price for withdrawal interrupted first).

** Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 13

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

D. PRIORITY OF SERVICE (Cont'd.)

5. SCHEDULING PRIORITY OF MARKET CENTER SERVICES

- a. All Market Center Agreement exhibits are subject to PG&E's sole determination that sufficient daily operational capacity permits PG&E to perform the requested Market Center transaction.
- b. Should operational constraints prohibit execution of all Market Center transactions, PG&E shall schedule nominations for Market Center services in the following order of transaction categories, from highest to lowest priority, as follows:
 - 1. Repay of Lend
 - 2. Unpark
 - 3. Park
 - 4. Lend

Nominations within each of the four transaction categories shall be scheduled according to contract price*** with the lowest contract price being constrained first.

In the event that two or more requests for the same Market Center service, at the same contract price, are identical during a period of limited availability, authorization shall be granted on a first-come, first-served basis. PG&E shall authorize service for the Customer making the first request in date and time, as measured by the date and time of PG&E's receipt of the Customer's signed exhibit. If the Customers' requests for service are identical in contract price, date, and time received, then authorization shall be resolved by lottery.

*** Contract price, as used here, equals the per unit Usage Charge specified in the applicable Market Center Schedule G-PARK or G-LEND, normalized to equivalent units

(Continued)



GAS RULE NO. 14

Sheet 14

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

E. OPERATIONAL FLOW ORDERS (OFO)

In order to protect the integrity of its pipeline system, PG&E will issue and implement system-wide, local, or Customer-specific Operational Flow Orders (OFO). PG&E will issue an OFO for a Gas Day if, on the day prior to this Gas Day, PG&E's forecast of pipeline inventory for the Gas Day is either below the Lower Pipeline Inventory Limit or above the Upper Pipeline Inventory Limit. At such time as PG&E issues an OFO, Balancing Agents will be required to balance supply and demand on a daily basis within a specified tolerance band or be subject to charges for noncompliance. PG&E may elect not to issue an OFO for a Gas Day if the forecast of pipeline inventory for the day following that Gas Day indicates the pipeline inventory will return to within the Pipeline Inventory Limits without the assistance of an OFO.

The Lower and Upper Pipeline Inventory Limits may be revised as needed by PG&E to maintain the safety and reliability of the pipeline system. These changes, along with a supporting explanation, will be posted to the Pipe Ranger Web site.

The tolerance band will be a percentage of the usage, as defined below.

PG&E may implement multi-stage OFO provision charges, as follows:

	Tolerance Band	Noncompliance Charge Per Decatherm
Stage 1:	up to +/-25%	\$0.25
Stage 2:	up to +/-20%	\$1.00
Stage 3:	up to +/-15%	\$5.00
Stage 4:	up to +/-5%	\$25.00
Stage 5:	up to +/-5%	\$25.00 plus DCI****

**** The DCI is the PG&E Daily Citygate Index Price as published in Gas Daily, rounded up to the next whole dollar. If the price is not published on a given day, the previous published price will apply.

(Continued)



GAS RULE NO. 14

Sheet 15

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.)

PG&E has the option, and would normally expect, to issue and implement an OFO with a one-sided tolerance band, and related non-compliance charges in one direction only (i.e., an OFO with a -25 percent (-25%) tolerance band and \$0.25 per Decatherm noncompliance charge for supply being less than usage but no tolerance band in the positive direction—supply greater than usage). Generally an initial OFO event will start at Stage 1 with a noncompliance charge of \$0.25 per Decatherm; however, an OFO event may begin at any stage with the corresponding noncompliance charge as deemed appropriate by PG&E.

A specific Balancing Agent may start at an elevated charge level if that Balancing Agent has a history of noncompliance with prior PG&E requests or orders for the Balancing Agent to balance supply with demands. A history of noncompliance will be defined as being at least three days in any thirty-day period that a Balancing Agent has not met with prior balancing orders. The amount of the charge will be announced when PG&E issues an OFO. An OFO will normally be ordered with at least twelve (12) hours notice prior to the beginning of the gas day, or as necessary as dictated by operating conditions. Charges for the first day of the OFO event will not be imposed if notice is given after 6:00 p.m. Pacific Time the day prior to the start of the OFO event.

(Continued)

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GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.)

1. OFO NONCOMPLIANCE CHARGE EXEMPTION:

If a Balancing Agent's OFO noncompliance charge is calculated to be less than or equal to 1,000 Dth for an OFO, the noncompliance charge will be exempted and the charge will be zero. If the noncompliance charge is greater than 1,000 Dth, the Balancing Agent will be responsible for the full noncompliance charge; i.e., 1,000 Dth will not be deducted from the calculated noncompliance charge. This exemption provision only applies to OFO noncompliance charges.

As ordered in Decision 01-02-049, PG&E shall waive any OFO noncompliance charges incurred by core customers whose gas is procured by PG&E if: 1) PG&E has implemented an Involuntary Diversion of noncore gas supplies (see Section G, below; and 2) due to PG&E's lack of credit, PG&E is unable to procure sufficient core gas supplies directly from suppliers.

2. OFO COMPLIANCE

a. OFO compliance and charges will be based on the following:

- 1) For a Noncore End-Use Customer with automated meter reading (AMR) capability and for PG&E's Electric Generation (EG) Department, compliance during an OFO will be based on actual daily metered usage, and the calculation after the OFO event of any applicable noncompliance charge will be based on actual daily metered usage.
- 2) For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability at their premises), or for Noncore End-Use Customers with non-functioning AMR meters, compliance during an OFO will be based on the average daily quantity (ADQ) as specified in the Customer's NGSAs. The calculation of any applicable noncompliance charges after the OFO event will be based on one of the following, whichever results in the lesser charge:
 - a) the Customer's ADQ; or
 - b) the Customer's actual daily metered usage; or
 - c) when Customer's actual daily metered usage is not available (e.g., due to meter failure), the average daily metered usage for the affected premises will be substituted for the actual daily metered usage. The average daily metered usage is calculated by dividing the recorded monthly usage by the number of days in the billing period.

(Continued)



GAS RULE NO. 14

Sheet 17

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.)

2. OFO COMPLIANCE (Cont'd.)

a. OFO compliance and charges will be based on the following: (Cont'd.)

- 3) For a Core Procurement Group (which includes PG&E's Core Gas Supply department and Core Transport Groups) (CP Group), compliance during an OFO and calculation of any OFO noncompliance charges will be based on the most recent Determined Usage, as defined in Schedule G-BAL, which has a date and time of less than or equal to 7:15:00 AM on the current gas day and was communicated to the CP Group. If the Determined Usage has a date and time greater than 7:15:00 AM on the current gas day or Determined Usage was not generated, the most recent previous forecast for the current gas day will be used.
- 4) For a California Production Balancing Agreement (CPBA), (Form 79-944) compliance with an OFO and calculation of any OFO noncompliance charges will be based on the difference between scheduled deliveries and actual deliveries.

Should PG&E's implementation of an OFO prove to be inadequate to ensure system integrity, PG&E may implement other measures including, but not limited to, implementing an Emergency Flow Order (EFO).

3. OFOs and SELF-BALANCING

On OFO days, any Balancing Agent who has selected the Self-Balancing Option, pursuant to Schedule G-BAL, will be required to comply with the tolerance band specified for that OFO day. The Self-Balancing plus or minus ten percent ($\pm 10\%$) daily Imbalance tolerance will not apply on days when an OFO is in effect. A Self-Balancing Agent will not be subject to Accumulated Daily Imbalance Noncompliance Charges on high inventory OFO days if the Accumulated Daily Imbalance is negative, or on any low inventory OFO days if the Accumulated Daily Imbalance is positive. However, any imbalance that occurs on that OFO day will be included as part of the Customer's ongoing Accumulated Daily Imbalance calculation.

(Continued)

Advice 4316-G
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GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

F. EMERGENCY FLOW ORDERS (EFO)

PG&E may invoke Emergency Flow Orders (EFO) when a forecast or an actual supply and/or capacity shortage threatens deliveries to End-Use Customers.

During an EFO, End-Use Customers' usage must be less than or equal to supply for a gas day (i.e., supply must be equal to or greater than usage). With the one exception specified herein, EFOs will have a zero (0) percent tolerance and a noncompliance charge of \$50.00 plus DCI for each Decatherm of usage in excess of supply.

As ordered in Decision 01-02-049, PG&E shall waive any EFO noncompliance charges incurred by core customers whose gas is procured by PG&E if: (1) PG&E has implemented an Involuntary Diversion of noncore gas supplies (see Section G, below; and (2) due to PG&E's lack of credit, PG&E is unable to procure sufficient core gas supplies directly from suppliers.

1. EFO COMPLIANCE

a. EFO compliance and charges will be based on the following:

- 1) For a Noncore End-Use Customer with automated meter reading (AMR) capability and for PG&E's EG Department, compliance during an EFO will be based on actual daily metered usage and the calculation after the EFO event of any applicable noncompliance charge will be based on actual daily metered usage.
- 2) For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability at their premises) or for Noncore End-Use Customers with non-functioning AMR meters, compliance during an EFO will be based on the average daily quantity (ADQ) as specified in the Customer's NGSAs. The calculation of any applicable noncompliance charges after the EFO event will be based on one of the following, whichever results in the lesser charge:
 - a) the Customer's ADQ, or
 - b) the Customer's actual daily metered usage, or
 - c) when Customer's actual daily metered usage is not available, the average daily metered usage for the affected premises will be substituted for the actual daily metered usage. The average daily metered usage is calculated by dividing the recorded monthly usage by the number of days in the billing period.

(Continued)



GAS RULE NO. 14

Sheet 19

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

F. EMERGENCY FLOW ORDERS (EFO) (Cont'd.)

1. EFO COMPLIANCE (Cont'd.)

a. EFO compliance and charges will be based on the following: (Cont'd.)

- 3) For a Core Procurement Group (CP Group), compliance during an EFO and calculation of any EFO noncompliance charges will be based on the most recent Determined Usage, as defined in Schedule G-BAL, which has a date and time of less than or equal to 7:15:00 AM on the current gas day and was communicated to the CP Group. If the Determined Usage has a date and time greater than 7:15:00 AM on the current gas day or the Determined Usage was not generated, the most recent previous forecast for the current gas day or the end-of-flow day core demand estimate, whichever results in a lower noncompliance charge will be used.
- 4) For a CPBA, compliance during an EFO and calculation of any EFO noncompliance charges will be based on the difference between scheduled deliveries and actual deliveries.

With the exception of the EFO noncompliance charge waiver specified above, if PG&E invokes an involuntary supply diversion (see Section G, below) in conjunction with an EFO, an additional \$50.00 per Decatherm diversion usage charge will apply.

An EFO will normally be invoked following an Operational Flow Order (OFO), but PG&E may invoke an EFO without previously invoking an OFO if, in PG&E's judgment, emergency operating conditions exist. There shall be no minimum notice period for EFOs; however, PG&E will attempt to provide as much notification to Customers as practicable under the circumstances.

PG&E may implement other measures to ensure system integrity should an EFO fail to alleviate the emergency condition.

(Continued)

Advice 4316-G
Decision 20-08-035

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Resolution



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 20

(T)

G. DIVERSION OF CUSTOMER-OWNED GAS

When operational conditions exist such that supply is insufficient to meet demand and deliveries to Core End-Use Customers are threatened, and subject to the obligations of Core Procurement Groups to utilize all available capacity associated with supply, PG&E may divert gas supply in its system from Noncore End-Use Customers to Core End-Use Customers. Emergency Flow Order (EFO) provisions will be deemed to apply under these conditions. (See Section F.) If a Noncore End-Use Customer's supply is diverted, either involuntarily under this rule, or through a voluntary arrangement with representatives of Core End-Use or Noncore End-Use Customers, that Customer must stop or reduce its use of gas. In the event the Customer fails to stop or reduce its gas use, that Customer must pay charges as provided below.

(T)

Prior to a diversion hereunder, PG&E's Core Gas Supply department and Core Transport Agents, on behalf of their Core End-Use Customers, will use:

- 1) their own firm capacity, to the extent gas supply is available;
- 2) any As-Available capacity on the system at any receipt point to the extent gas supply is available; and
- 3) capacity made available from Noncore End-Use Customers or other Backbone Transmission System Customers pursuant to voluntary supply diversion arrangements, provided that such arrangements are at prices not to exceed the costs of involuntary diversion.

In the event PG&E diverts gas for Core End-Use Customers, PG&E will not be responsible for any interstate charges associated with the diverted gas. PG&E's total cost responsibilities for diversion are limited to those set forth below.

(Continued)

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<i>Decision</i>	20-08-035	Robert S. Kenney	<i>Effective</i>	_____
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GAS RULE NO. 14

Sheet 21

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.)

1. INVOLUNTARY DIVERSIONS

PG&E may divert gas supplies from Backbone Transmission System Customers. Firm transportation to off-system is not subject to diversion. Diversions will occur in the following order:

- a. Supply scheduled under As-Available transmission service will be diverted in order of increasing transmission contract price and on a pro rata basis for all volumes transported under the same price. However, supply under scheduled deliveries from storage using As-Available transmission service will be treated as the highest priority Firm transmission service. (See G.1.c., below.)
- b. Supply scheduled to Noncore End-User Customers under Firm transmission service is diverted on a pro rata basis.
- c. Scheduled deliveries from storage using Firm or As-Available transmission service will be treated as the highest priority Firm transmission service and will be diverted on a pro rata basis.

2. INVOLUNTARY DIVERSION COMPLIANCE AND CHARGES

All Customers who use more gas during an involuntary diversion than their post-diverted supply, whether or not their gas is subject to an involuntary diversion, will be assessed involuntary diversion charges. Those customers will be deemed to be receiving involuntarily diverted supply, and therefore will be assessed a \$50.00 per Decatherm diversion usage charge, in addition to the EFO noncompliance charge. See Section F, above, for conditional waiver of only the EFO noncompliance charges for certain core customers during an involuntary diversion.

Involuntary diversion compliance and charges will be based on the following:

- a. For a Noncore End-Use Customer with automated meter reading (AMR) capability, compliance and the calculation after the involuntary diversion event of any involuntary diversion charge will be based on actual daily metered usage and the post-diverted supply. (Post-diverted supply is the original scheduled supply less the diverted volumes.)

(Continued)



GAS RULE NO. 14
CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

Sheet 22

(T)

G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.)

2. INVOLUNTARY DIVERSION COMPLIANCE AND CHARGES (Cont'd.)

- b. For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability) at their premises and PG&E's Electric Generation (EG) department, compliance and the calculation after the involuntary diversion event of any noncompliance charge will be based on actual usage and the post-diverted supply.
- c. For a Core Procurement Group (CP Group), compliance and the calculation after the involuntary diversion event of any involuntary diversion charge will be based on the latest available forecast from the core load forecast model for the CP Group prior to the time the event is called, up to and including a 5:00 p.m. Pacific Time Forecast, and the CP Group's original supply before involuntary diversion.

3. COMPENSATION FOR INVOLUNTARILY DIVERTED GAS

Firm transmission service Customers whose gas supply is involuntarily diverted will receive a \$50.00 per Decatherm diversion credit.

As-Available transmission service Customers whose gas supply is involuntarily diverted will receive a diversion credit based on the current market price of the diverted supply on the day it was diverted.

The current market price will be based on an average of the published price data from Natural Gas Intelligence (NGI) and the BTU Daily Gas Wire for the PG&E interconnect points of Malin (Line 400) and Topock (Southern California Border), weighted by the supply mix of all gas received at Malin and Topock for on-system End-Use Customers for that day.

(Continued)



GAS RULE NO. 14

Sheet 23

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.)

3. COMPENSATION FOR INVOLUNTARILY DIVERTED GAS (Cont'd.)

If no published daily price is reported on a given day, the prior published daily price from that index service will continue to apply for that day. If an index service is no longer available, PG&E reserves the right to choose another nationally recognized index to replace it.

H. LOCAL CURTAILMENT

In the event of localized constraints, PG&E may curtail Noncore End-Use Customers in a localized area. When a local curtailment is announced, Noncore End-Use Customers will be provided a maximum allowed usage for the designated curtailment period. Compliance with the local curtailment is the responsibility of the Noncore End-Use Customer and may not be assigned to a Balancing Agent. Noncore End-Use Customers that exceed the maximum allowed usage will be subject to a noncompliance charge.

Local curtailment noncompliance charges for each Decatherm of usage in excess of designated maximum allowed usage shall equal \$50.00 plus the DCI. In order to protect its system, PG&E may temporarily shut off gas service to any Customer that fails to comply with the local curtailment.

(T)

In the event that an OFO or EFO is in effect simultaneously with a local curtailment, OFO or EFO noncompliance charges may apply in addition to any local curtailment noncompliance charges.

I. SERVICE FROM OFF-SYSTEM STORAGE FACILITIES

Gas from off-system storage facilities is treated equally with any other gas delivered at that specific PG&E interconnection.

J. WHOLESALE/RESALE SERVICE

Service under wholesale/resale service agreements, in which the gas is resold to customers of other utilities within PG&E's service territory, shall be subject to Operational Flow Orders, Emergency Flow Orders, and diversion of Customer-owned gas in the same manner as if such Customers were Customers of PG&E.

(Continued)



GAS RULE NO. 14

Sheet 24

CAPACITY ALLOCATION AND CONSTRAINT OF GAS SERVICE

(T)

K. CORE END-USE CUSTOMERS

In an emergency situation, non-residential Core End-Use Customers may be asked to reduce usage prior to residential Core End-Use Customers.

L. CONFLICTS WITH OTHER TARIFFS AND/OR CONTRACTS

Each of the gas rate schedules, agreements, and rules governing the sale and transportation of gas by PG&E on file with the CPUC, shall be deemed amended to the extent that they are or may be inconsistent or in conflict with the priorities of service as listed in this rule.

(T)

M. NBAA AND CTA GROUP IMBALANCES MAY NOT BE COMBINED

OFO, EFO, and Diversion compliance calculations for Noncore Balancing Aggregation Groups (NBAA) and Core Transportation groups (CTA) are performed separately, according to the terms contained in this rule. Suppliers may not combine NBAA group and CTA group usage and supplies in an effort to comply with an OFO, EFO, or Diversion.



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 1

A. GENERAL

1. GAS SOURCE

The gas supplied by PG&E is obtained from California Production and from outside of the state of California. This gas may consist of, but not be limited to, any combustible gas or gases so produced, altered only by removal of any condensible constituents or of injurious impurities and by the addition of a warning odorant. Customers using gas supplied by PG&E for processes that are affected by impurities in excess of specified minimum levels are responsible for testing gas supplied and for rendering the gas suitable for their intended uses. (T)

Except as provided in this Rule, the utility makes no warranties as to the nature, composition, or properties of the gas supplied, and the obligations set forth in this Rule are exclusive and in lieu of all other warranties, guaranties, or liabilities, express or implied, arising by law or otherwise (including without limitation any obligations of the utility with respect to fitness, merchantability, and consequential damages). (T)

2. BILLING VOLUME

Gas volumes for billing purposes shall be determined by applying the monthly metered volume to any applicable conversion adjustment factors in accordance with this Rule. (T)

3. HEATING VALUE

The heating value of gas as supplied by PG&E will vary from time to time and from place to place depending upon the sources being drawn upon. The normal range of heating value is from 750 to 1150 BTU per standard cubic foot of gas at 14.73 psia and 60 degrees Fahrenheit (dry basis). (T)

4. GAS DELIVERIES

a. GAS SERVICE STANDARDS

Gas deliveries shall be in conformance with the standards specified in the California Public Utilities Commission, General Orders No. 58-A and 58-B. (T)

(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 2

A. GENERAL (Cont'd.)

4. GAS DELIVERIES (Cont'd.)

b. STANDARD DELIVERY PRESSURE

Gas will normally be delivered at PG&E's standard delivery pressure of seven inches of water column. This pressure supplied to domestic and commercial customers shall not vary more than fifty percent above or below the standard delivery pressure. No variation in pressure from the standard pressure of two inches or more of water column shall occur in a time less than fifteen minutes, excepting momentary fluctuations on individual services caused by the operations of customer's appliances or fluctuations caused by reasonable gas regulator buildups.

(T)

c. HIGHER-THAN-STANDARD DELIVERY PRESSURE

Upon request of the customer and at the option of PG&E, gas will be delivered at a pressure higher than standard delivery pressure where such higher pressure is available from existing facilities. PG&E, however, retains the right to decrease at any time the higher delivery pressure to a delivery pressure not less than the standard delivery pressure.

5. APPLIANCE INSPECTION

PG&E will inspect and adjust as necessary its customers' gas appliances in order to assure satisfactory pilot and/or burner flame characteristics for safe and proper operation whenever a changed gas supply is determined by PG&E to not be interchangeable with the previous gas supply.

(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 3

B. DETERMINATION OF THERMS TO BE BILLED

The BTU factor applied to the metered volume will be determined from the average heating value of gas deliveries to that BTU area divided by 1,000. The average heating value in the BTU area is based on the average of the BTU values associated with the billing usage period. For example, if the billing usage period is four (4) weeks, the average BTU value will be calculated by averaging the BTU value of the four (4) weeks ending on the Monday (or on Tuesday if Monday is a holiday) approximately one week prior to the week that bills are processed.

However, if measurement systems exist that are capable of determining more frequent actual average heating values, then the actual average heating value may be applied to the measurement cycle (e.g., continuously, hourly, weekly, or monthly) that is used to determine billing for a specific account. The average heating value is converted to a therm multiplier for use in determining a billing factor.

For gas collection areas, the reported heating value for each area shall be used. (T)

1. CUSTOMERS SUPPLIED AT STANDARD DELIVERY PRESSURE

Where gas is metered at the standard delivery pressure, a billing factor will be used. This billing factor will be the product of the appropriate value from the following table, and the applicable conversion adjustment factor.

<u>Group</u>	<u>Elevation Above Mean Sea Level</u>	<u>Value</u>
A	0 – 999 Feet	1.000
B	1,000 – 1,999 Feet	0.965
C	2,000 – 2,999 Feet	0.932
D	3,000 – 3,999 Feet	0.900
E	4,000 – 4,999 Feet	0.868
F	5,000 – 5,999 Feet	0.838

At PG&E's option, where the utility has access to and the capability to use more specific elevation data, this elevation data may be substituted when determining the value listed above for computing customer billing factors.

The number of therms to be billed will be determined by multiplying the difference in metered volumes by the billing factor.

(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 6

C. SPECIAL FACILITIES (Cont'd.)

3. Special facilities will be installed under the terms and conditions of a contract in the form on file with the California Public Utilities Commission. Such contract will include, but is not limited to, the following general terms and conditions.

a. Where new facilities are to be installed for applicant's use as special facilities, the applicant shall advance to PG&E the estimated additional installed cost of the special facilities over the estimated cost of standard facilities. PG&E, at its option, may finance the new facilities.

b. A monthly Cost-of-Ownership charge shall be paid by applicant for its special facilities.

Type of Facility	Financing	Monthly Charge	
Transmission	Customer	0.50% of the amount advanced	
	PG&E	1.17% of the additional cost	
Distribution	Customer	0.86% of the amount advanced	(R)
	PG&E	1.36% of the additional cost	(R)

c. Where existing facilities are allocated for applicant's use as special facilities, the applicant shall pay the applicable monthly Cost-of-Ownership charge for the special facilities based on a percentage specified in 3.b. above of the estimated installed cost of that portion of the existing facilities which is allocated to the applicant.

d. Where PG&E determines the collection of continuing monthly Cost-of-Ownership charges is not practicable, the applicant will be required to make an equivalent one-time payment in lieu of the monthly Cost-of-Ownership charges. (T)

e. All monthly Cost-of-Ownership charges shall be reviewed and refiled with the California Public Utilities Commission when changes occur in PG&E's costs of providing such services.



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 1

(T)

This Rule describes the general terms and conditions that apply whenever PG&E transports Customer-owned gas over its system. Customers who wish to transport gas must sign the applicable Agreement.

A. GENERAL

1. NATURE OF SERVICE

Customers or their designated Agent or Core Transport Agent hereinafter referred to as "Customer" and meaning Customer and/or their Agent will deliver or have delivered to PG&E quantities of gas, and PG&E will deliver equivalent quantities of gas adjusted for In-Kind Shrinkage Allowance, on a Btu-for-Btu basis, to the Customer's Delivery Point. Customers must endeavor to ensure that daily gas deliveries match daily gas usage. The gas that PG&E delivers to the Customer's Delivery Point will not necessarily be the gas that the Customer delivered to PG&E.

2. GAS SPECIFICATIONS

Unless otherwise agreed to by both parties, the gas delivered to PG&E must meet the quality specifications detailed in Section C, below. The minimum and maximum heating value and the pressure of the gas must be such that the gas can be integrated into PG&E's system at the Receipt Point(s).

B. QUANTITIES OF GAS

1. IN-KIND SHRINKAGE ALLOWANCE

The in-kind shrinkage quantities represent the unaccounted-for gas and the utility fuel use attributable to the volume of gas received by PG&E for backbone transmission, distribution, and storage service. PG&E may adjust distribution, transmission and storage shrinkage annually, or as necessary. (See Preliminary Statement Part C.12.c. for further details)

(T)

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 2

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

a. Backbone Transmission Shrinkage

A Customer transporting gas over PG&E's Backbone Transmission System shall deliver each day at the Receipt Point to PG&E an additional in-kind quantity of gas supply equal to a percent of total volume of gas to be delivered at the Receipt Point. Thus, the quantity to be nominated at the Receipt Point equals the quantity desired at the Delivery Point divided by (1 - x) where x is the decimal equivalent of the Backbone Transmission System In-Kind Shrinkage Allowance percentage, based on the transmission path utilized as follows:

(T)

Path	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Redwood to Off-System	0.9 (l)	—	0.9 (l)
Mission to On-System	0	—	0
Mission to Off-System	0	—	0
All other transmission	1.2 (l)	—	1.2 (l)

Provided, however, that PG&E and the Customer shall not be prohibited under this Rule, where shrinkage requirements support a different shrinkage allowance, from mutually agreeing to a different shrinkage allowance for transportation over PG&E's Backbone Transmission System.

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 3

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

b. Distribution Shrinkage

For transportation on PG&E's Distribution System, an additional In-Kind Shrinkage Allowance shall apply, which is separate from backbone transmission and storage shrinkage. The Customer shall deliver each day to PG&E at the Citygate an additional in-kind quantity of gas supply equal to a percent of the total volume of gas flowing through the End-Use Customer's meter. Thus, the quantity to be nominated at the Citygate equals the quantity to be flowed through the meter multiplied by (1 + y) where y is the decimal equivalent of the Distribution System In-Kind Shrinkage Allowance percentage, as follows:

(T)
(T)

End-Use Customer	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Core – Summer Season (April - October)	1.8 (R)	0.1 (I)	1.9 (I)
Core – Winter Season (November – March)	3.6	0.1 (I)	3.7 (I)
Noncore Distribution	0.2	–	0.2
Noncore Transmission*	–	–	–

As an example, for a Core End-Use Customer being served via the Redwood Path, the amount to be nominated at Malin is calculated as:

$$\text{Receipt Point Quantity} = \frac{\text{Est. Metered Usage} \times (1 + y)}{(1 - x)}$$

Where: x = decimal equivalent of the Backbone Shrinkage percentage, and

y = decimal equivalent of the Distribution Shrinkage percentage

* Noncore Transmission Level End-Use Customers or Agents require no Distribution System In-Kind Shrinkage Allowance.

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 4

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

c. Storage Shrinkage

An In-Kind Shrinkage Allowance is applicable to all injection storage quantities under rate Schedules G-CFS, G-SFS, G-NFS, and G-NAS, in addition to any applicable transmission and distribution shrinkage. Customers shall deliver to PG&E's storage system an additional in-kind quantity of gas equal to the Shrinkage Allowance percentage of the total volume of their storage injection volume. The quantity injected into PG&E's storage will equal the quantity nominated for storage injection multiplied by (1-z), where z is the decimal equivalent of the Storage In-Kind Shrinkage Allowance percentage, as follows.

(T)

$$\text{Storage Injection} = \text{Nominated Injection Quantity} * (1 - z)$$

Where: z = decimal equivalent of the Storage In-Kind Shrinkage Allowance

Storage In-Kind Shrinkage Allowance: 0.9 Percent

Provided, however, that PG&E and the Customer shall not be prohibited under this Rule, where shrinkage requirements support a different shrinkage allowance, from mutually agreeing to a different shrinkage allowance for the injection into PG&E's storage system.

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 5

(T)

B. QUANTITIES OF GAS (Cont'd.)

2. TRANSPORTATION QUANTITIES

PG&E shall not be required to accept gas at any Receipt Point when the daily flow rate at that Receipt Point is less than 50 Decatherms per day.

PG&E shall not be obligated to agree to a Maximum Daily Quantity (MDQ), as specified in an applicable Agreement, for any Customer or its affiliates, in the aggregate, that exceeds the amount of available capacity to provide service to the Customer or affiliates, as determined by PG&E.

3. NOMINATIONS

a. General

The Customer shall be responsible for submitting gas service nominations to PG&E no later than the deadlines specified below. Nominations shall be made by electronic means acceptable to PG&E or by other means mutually agreeable to PG&E and the Customer. The Customer shall sign an Electronic Commerce System (ECS) User Agreement (Form 79-982) prior to using PG&E's Electronic Commerce System. Currently, there is no charge for using the ECS; however, PG&E reserves the right to initiate or modify fees for the use of the ECS, subject to Commission approval. PG&E may reject any nomination not conforming to the requirements in these rules or in applicable service agreements.

Each nomination shall include all information required by PG&E's normal nomination procedures. Nominations received by PG&E will be subject to the conditions specified in the Customer's service agreements with PG&E. Confirmation of nominations will be subject to operational constraints in accordance with Rule 14. Nominations for Firm Service (Firm Nominations) may be given scheduling priority over nominations for As-Available Service (As-Available Nominations) confirmed and scheduled in a previous nomination cycle, in accordance with Rule 14. This may result in a reduction of previously confirmed and scheduled As-Available volumes. "Bumping" is the process in the second through fourth nomination cycles (Evening through Intraday 2) where a Firm Nomination can supersede an As-Available Nomination confirmed and scheduled in a previous nomination cycle. Bumping is not part of the confirmation and scheduling process in the fifth (Intraday 3) cycle. As-Available Nominations are scheduled by price in each nomination cycle.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 6

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

a. General (Cont'd.)

The Customer shall be responsible for making all corresponding upstream and/or downstream nomination arrangements with the interconnecting pipeline(s) and/or operator(s).

b. Changes in Flow-day Quantities

PG&E will schedule nominations subject to receiving notification of confirmation from the upstream and/or downstream pipeline(s) and/or operator(s), and subject to the following two conditions.

1) Decreases

Decreases in intraday nominations shall be limited to no less than the Elapsed Prorated Quantity that theoretically would have flowed up to the effective time of the intra-day nomination being confirmed, based on a cumulative uniform hourly quantity for each nomination period affected. This condition applies at the individual nomination level.

2) Increases

Increases in intraday nominations shall be limited to no more than the Remaining Prorated Quantity that theoretically could flow from the effective time of the intra-day nomination being confirmed, for the time remaining in the gas day based on a cumulative uniform hourly quantity for each nomination period affected. This condition applies to the aggregate of all nominations at a receipt point.

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 7

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

c. Timing

All times referred to in Section B.3 are in Pacific Clock Time. The gas day will be from 7 a.m. to 7 a.m.

d. Nomination Cycles

PG&E will accept and process five types of nominations for a given gas day: Timely, Evening, Intraday 1, Intraday 2, and Intraday 3:

- 1) A "Timely Nomination" is a nomination received by PG&E no later than 11:00 a.m. one day prior to the gas day for which the Customer requests service.
- 2) An "Evening Nomination" is a nomination received after 11:00 a.m. and no later than 4:00 p.m. one day prior to the gas day for which the Customer requests service.
- 3) An "Intraday 1 Nomination" is a nomination received after 4:00 p.m. one day prior to the gas day for which the Customer requests service and no later than 8:00 a.m. on the gas day for which service is requested.
- 4) An "Intraday 2 Nomination" is a nomination received after 8:00 a.m. and no later than 12:30 p.m. on the gas day for which service is requested by the Customer.
- 5) An "Intraday 3 Nomination" is a nomination received after 12:30 p.m. and no later than 5:00 p.m. on the gas day for which service is requested by the Customer.

(Continued)

Advice 4316-G
Decision 20-08-035

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Effective _____
Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 8

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

e. Timely Nomination Cycle

Timely Nominations must be received by PG&E no later than 11:00 a.m. one day prior to the gas day for which the Customer requests service. Timely Nominations will be effective at 7:00 a.m. the following morning.

Nominations shall include defined begin and end dates. A Timely Nomination does not carry over to the following gas day. However, Timely Nominations may have a "roll-over" option; specifically, they may extend for multiple days, months, or years, provided the begin and end dates are within the terms of the Customer Service Agreement exhibit.

Timely Nominations will be confirmed and scheduled by priority of service in accordance with Rule 14. Confirmed and scheduled Timely As-Available Nominations may be bumped by Firm Nominations made during the Evening, Intraday 1, or Intraday 2 nomination cycles.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the applicable upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 2:30 p.m. and 3:00 p.m., respectively.

Timely Nomination summary

- Nominations submitted: No later than 11:00 a.m.
- Flow will be effective: 7:00 a.m. the following morning

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 9

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

f. Evening Nomination Cycle

An Evening Nomination must be received by PG&E no later than 4:00 p.m. one day prior to the gas day for which the Customer requests service. Evening Nominations will be effective at 7:00 a.m. the following morning. Evening Nominations will be confirmed and scheduled after Timely Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 6:30 p.m. and 7:00 p.m., respectively.

Evening Nomination summary

Nominations submitted: No later than 4:00 p.m.

Flow will be effective: 7:00 a.m. the following morning

Evening Nominations will be confirmed and scheduled by priority of service among all Evening Nominations PG&E has received and in accordance with Rule 14. Evening Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Evening Nomination either may be the Customer's first nomination for service for the following day or may modify a Timely Nomination for the following day. An Evening Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Evening Nomination does not carry over to the following gas day.

(Continued)

Advice 4316-G
Decision 20-08-035

Issued by
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Submitted September 28, 2020
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 10

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

g. Intraday 1 Nomination Cycle

An Intraday 1 Nomination must be received by PG&E no later than 8:00 a.m. on the gas day for which service is requested. Intraday 1 Nominations will be effective at 12:00 p.m. the same day. Intraday 1 Nominations will be confirmed and scheduled after all Timely and Evening Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 10:30 a.m. and 11:00 a.m., respectively.

Intraday 1 Nomination summary

- Nominations submitted: No later than 8:00 a.m.
- Flow will be effective: 12:00 p.m. the same day

Intraday 1 Nominations will be confirmed and scheduled by priority of service among all Intraday 1 Nominations PG&E has received and in accordance with Rule 14. Intraday 1 Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Intraday 1 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely or Evening, if any. An Intraday 1 Nomination may also increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 1 Nomination does not carry over to the following gas day.

(Continued)

Advice 4316-G
Decision 20-08-035

Issued by
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Submitted September 28, 2020
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 11

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

h. Intraday 2 Nomination Cycle

An Intraday 2 Nomination must be received by PG&E no later than 12:30 p.m. on the gas day for which service is requested. Intraday 2 Nominations will be effective at 4:00 p.m. the same day. Intraday 2 Nominations will be confirmed and scheduled after all Timely, Evening and Intraday 1 Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 3:00 p.m. and 3:30 p.m., respectively.

Intraday 2 Nomination summary

- Nominations submitted: No later than 12:30 p.m.
- Flow will be effective: 4:00 p.m. the same day

Intraday 2 Nominations will be confirmed and scheduled by priority of service among all Intraday 2 Nominations PG&E has received and in accordance with Rule 14. Intraday 2 Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Intraday 2 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely, Evening or Intraday 1, if any. An Intraday 2 Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 2 Nomination does not carry over to the following gas day.

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 12

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

i. Intraday 3 Nomination Cycle

An Intraday 3 Nomination must be received by PG&E no later than 5:00 p.m. on the gas day for which service is requested. Intraday 3 Nominations will be effective at 8:00 p.m. the same day. Intraday 3 Nominations will be confirmed and scheduled after all Timely, Evening, Intraday 1 and Intraday 2 Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 7:30 p.m. and 8:00 p.m., respectively.

Intraday 3 Nomination summary

- Nominations submitted: No later than 5:00 p.m.
- Flow will be effective: 8:00 p.m. the same day

Intraday 3 Nominations will be confirmed and scheduled by priority of service among all Intraday 3 Nominations PG&E has received and in accordance with Rule 14. Intraday 3 Firm Nominations will not bump confirmed and scheduled As Available Nominations from a previous nomination cycle.

An Intraday 3 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely, Evening, Intraday 1 or Intraday 2, if any. An Intraday 3 Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 3 Nomination does not carry over to the following gas day.

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GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 13

(T)

B. QUANTITIES OF GAS (Cont'd.)

(L)

4. SCHEDULING NON-PERFORMANCE

An excess of confirmed nominations relative to scheduled nominations for a given gas day for a given Customer and a particular As-Available transportation exhibit to the Gas Transmission Service Agreement (GTSA) shall be deemed to be scheduling non-performance. This section sets forth how PG&E will manage excess As-Available volumes and reduce a Customer's ability to engage in scheduling non-performance.

- a. PG&E may limit the Maximum Daily Quantity (MDQ) of an As-Available contract to the expected usage of that contract by an entity. Expected usage is the Customer's highest actual usage in the past twelve (12) months.
- b. PG&E may reduce an As-Available contract's MDQ on a daily basis to the previous day's actual usage if scheduling non-performance occurs.
- c. If an entity's load increases, the entity may contact PG&E to increase the MDQ.

5. IMBALANCES IN DELIVERIES

- a. On any given day the Customer shall bring in a quantity of Customer-owned Gas, adjusted for In-Kind Shrinkage Allowance, to be delivered to the Customer, approximately equal to the quantity of gas received by PG&E for transportation to the Customer that day.

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Any day-to-day imbalance will be handled and resolved through Schedule G-BAL.

- b. Procedures for balancing the Customer's account when PG&E receives Customer-owned Gas for transportation but, because of constraints or diversions, does not deliver it to the Customer, are covered in Rule 14.
- c. A transmission Customer's Imbalance, defined in Schedule G-BAL, refers to a difference between a Customer's final scheduled quantity and the quantity of gas actually delivered at the Receipt Point on behalf of that Customer for a given gas day.

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(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 14

(T)

B. QUANTITIES OF GAS (Cont'd.)

(L)

6. TRANSPORT OF CALIFORNIA PRODUCTION GAS

PG&E may receive gas from California Production supply for transport by a Customer from various Receipt Points on PG&E's system. As of April 1, 1998, nominations shall be accepted by PG&E only from California Production Receipt Points which are designated in a California Production Balancing Agreement (Form No. 79-944) which has been executed between a California producer's Authorized Agent and PG&E.

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C. QUALITY OF GAS

Gas delivered to PG&E for transportation to the Delivery Point(s) shall meet the gas quality specifications stated in the service agreement between the delivering pipeline company and PG&E. If no gas-quality specifications agreement exists between the delivering pipeline company and PG&E for the Receipt Point(s), or if the gas is not delivered by a pipeline, the gas received by PG&E shall meet the following specifications:

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1. Carbon dioxide: The gas shall contain no more than one percent by volume of carbon dioxide.
2. Oxygen: The gas shall contain no more than 0.1 percent by volume of oxygen.
3. Hydrogen sulfide: The gas shall contain no more than 0.25 grains of hydrogen sulfide, measured as hydrogen sulfide, per one hundred standard cubic feet (4 parts per million (ppm) by volume of hydrogen sulfide).
4. Mercaptan sulfur: The gas shall contain no more than 0.5 grains of mercaptan sulfur, measured as sulfur, per one hundred standard cubic feet (8 ppm).
5. Total sulfur: The gas shall contain no more than one grain of total sulfur, measured as sulfur, per one hundred standard cubic feet (17 ppm) by volume of total sulfur.

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GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 15

(T)

C. QUALITY OF GAS (Cont'd.):

(L)

- 6. Water vapor: The gas shall contain no more than seven pounds of water vapor per million standard cubic feet at 800 pounds per square inch gauge (psig) or less; dew point of 20° Fahrenheit (F) if gas is supplied at over 800 psig.
- 7. Hydrocarbon dewpoint: The gas shall have a hydrocarbon dewpoint of 45°F or less for gas delivered at 800 psig or below, but measured at 400 psig; or 20°F for gas delivered at above 800 psig, also measured at 400 psig.
- 8. Liquids: The gas shall contain no liquids at, or immediately downstream of, the Receipt Point(s).
- 9. Merchantability: The ability to purchase, sell, or market Gas. The Gas shall not contain dust, sand, dirt, gums, oils, microbes, bacteria, pathogens and/or other substances at levels that would be injurious to Utility facilities or which would present a health and/or safety hazard to Utility employees, customers, and/or the public or that would cause Gas to be unmarketable.
- 10. Temperature: The gas shall not be delivered at less than 60 degrees Fahrenheit or more than 100 degrees Fahrenheit.
- 11. Gas interchangeability: The gas shall be interchangeable with the gas in the receiving pipeline. Interchangeability shall be determined in accordance with the methods and limits presented in Bulletin 36 of the American Gas Association.
- 12. Heating value: The gas shall have a heating value that is consistent with the standards established by PG&E for each Receipt Point.

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GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 16

(T)

D. ACCOUNTING AND BILLING

(L)

1. DESIGNATION OF QUANTITIES DELIVERED FOR TRANSPORTATION

PG&E may be receiving gas from various sources at the Receipt Point(s). Gas entering the PG&E system shall be measured by either PG&E or a third party designated by PG&E as its agent. Where such third party acts as PG&E's measuring agent, the Customer shall accept as correct the agent's determination of the quantity of gas (in Mcf and Decatherms) it has delivered to PG&E for the Customer's account subject to the limitations of Rule 14. Where gas is measured by PG&E, the Customer shall accept as correct PG&E's measurement of the gas received (see Section D.3 below for information about access to meters and charts and other records).

2. BILLING

Each month, PG&E shall send the Customer a bill. The bill will show the quantities of gas adjusted for In-Kind Shrinkage Allowance, delivered to PG&E for the Customer's account at each Delivery Point for the billing month. PG&E may use estimated quantities in the bill, and the Customer shall be obligated to pay the estimated bill as presented; PG&E will then make any necessary adjustments in the subsequent months' billings.

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GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 17

(T)

D. ACCOUNTING AND BILLING (Cont'd.) (L)

3. BOOKS AND RECORDS

PG&E and the Customer shall keep accounting records and books in accordance with generally accepted accounting principles and practices in the industry. PG&E and the Customer shall have the right to examine those books and accounting records of the other.

Any examination will be at the examining party's expense, must be conducted at a reasonable time, and must be confined to the extent necessary to verify the accuracy of any statement, charge, or computation or any demand made under or as a result of transporting Customer-owned Gas.

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E. ADDITIONAL FACILITIES

Transportation of Customer-owned Gas does not obligate PG&E to construct any additional facilities (including measuring facilities) or to modify any existing facilities to provide for receipt of Customer-owned gas into the PG&E system. Customer shall have a separate agreement covering any new facilities or necessary modifications for either receipt or delivery of Customer-owned Gas.

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F. POSSESSION OF GAS

For Customer-owned Gas, the Customer shall be deemed to be in control and possession of the gas until the gas is delivered to PG&E at the Receipt Point(s). The Customer shall be deemed to regain control and possession of the gas upon delivery from PG&E to or on behalf of the Customer.

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G. INDEMNIFICATION

The Customer shall indemnify and hold harmless PG&E, its officers, agents and employees against all loss, damage, expense, and liability, resulting from injury to or death of any person, including but not limited to employees of PG&E, Customer or any third party, or for loss, destruction, damage to property, including but not limited to property of PG&E, Customer, or any third party, arising out of or in any way connected with the transportation of Customer-owned gas, however caused, except to the extent caused by the active negligence or willful misconduct of PG&E, its officers, agents and employees. The Customer shall on PG&E's request, defend any suit asserting a claim covered by this indemnity. The indemnifying party shall pay all costs that may be incurred by the other party in enforcing this indemnity, including all reasonable attorney's fees.

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(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 18

(T)

H. OPEN ACCESS INTERCONNECTION OF NEW GAS SUPPLY

(L) (T)

PG&E will provide non-discriminatory interconnection to its pipeline system for an Applicant to deliver new gas supply. Upon interconnection PG&E will provide open access transportation of the gas under the applicable PG&E rate schedules, rules and transportation agreements. PG&E will perform interconnection-related work under the following conditions:

1. The Applicant's gas supply can be received into PG&E's existing system without jeopardizing the integrity or normal operation of its pipeline system and without adversely affecting PG&E's Customers. The specific interconnection point will be determined by PG&E.
2. The maximum delivery capacity for Applicant's gas at the interconnection point will be determined by the size of the interconnection facilities and PG&E's ability to redeliver the gas supply downstream of the interconnection point.
3. The available capacity for Applicant's gas supply on any particular day may be affected by physical flows from other points of receipt, daily pipeline operating conditions, and end-use demand.
4. The Applicant shall pay PG&E's costs for all engineering and construction of facilities on PG&E's side of the interconnection point necessary to receive Applicant's gas. Such facilities may include, but are not limited to, taps, valves, piping, measuring equipment, odorizing equipment, land rights, permits, and communication equipment. The Applicant also shall pay for computer programming changes to PG&E's scheduling system, if any, required to add the Applicant's new interconnection point for the purpose of nominating the gas. PG&E shall own and operate all facilities on PG&E's side of the interconnection point.
5. The Applicant shall execute a standard "Agreement to Perform Tariff Schedule Related Work" (Form 62-4527), which shall contain a description of the work to be performed by PG&E, the cost estimate, and payment terms.
6. The Applicant, at its expense, shall obtain all land rights, easements, permits or other authorizations, and shall design and construct the piping, valves, filter separators, and other equipment that is required on the Applicant's side of the interconnection point to effectuate deliveries of gas to PG&E, in accordance with sound and prudent gas industry practice and with all applicable laws, rules, and regulations of any authority having jurisdiction.

(L) (T)

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 19

(T)

H. OPEN ACCESS INTERCONNECTION OF NEW GAS SUPPLY (Cont'd.) (L)

7. The Applicant shall install and maintain in good working condition the necessary pressure regulation and flow equipment to effectuate delivery of gas to the interconnection point at or above the prevailing pressure in PG&E's pipeline. Applicant's equipment shall be designed and installed to protect PG&E's pipeline from exposure to pressures in excess of PG&E's then current maximum operating pressure at the interconnection point.

8. Applicant's gas supply at the interconnection point shall comply with all PG&E tariffs and rules including gas quality and nomination procedures.

9. The Applicant and PG&E shall execute interconnection, operating and balancing agreements prior to final interconnection and gas flow. (L) (T)

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(D)

(Continued)



GAS TABLE OF CONTENTS

Sheet 1

TITLE OF SHEET	CAL P.U.C. SHEET NO.	
Title Page	36495-G	(T)
Rate Schedules	36184,36185-G	
Preliminary Statements.....	35900,36123-G	
Preliminary Statements, Rules	36496-G	(T)
Rules, Maps, Contracts and Deviations.....	36497-G	I
Sample Forms.....	36186,36187, 36498,36499 ,36190-G	(T)

(Continued)

Advice 4316-G
Decision 20-08-035

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted September 28, 2020
Effective _____
Resolution _____



GAS TABLE OF CONTENTS

Sheet 6

PART	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Preliminary Statements		
Part DO	Hydrostatic Pipeline Testing Memorandum Account	32805-G
Part DP	Transmission Integrity Management Program Memorandum Account.....	33476-G
Part DQ	Engineering Critical Assessment Balancing Account (ECABA).....	32809-G
Part DR	Hydrostatic Station Testing Memorandum Account (HSTMA).....	33084-G
Part DS	Work Required by Others Balancing Account (WROBA)	33477-G
Part DT	Critical Document Program Memorandum Account (CDPMA)	32812-G
Part DU	Z-Factor Memorandum Account (ZFMA-G).....	33478,33479-G
Part DZ	New Environmental Regulations Balancing Account (NERBA)	34675,33812-G
Part EA	Natural Gas Leak Abatement Program Balancing Account (NGLAPBA).....	33695-G
Part EB	Natural Gas Leak Abatement Program Memorandum Account (NGLAPMA)	33600-G
Part EC	Emergency Consumer Protections Memorandum Account (WCPMA-G).....	34677,35128-G
Part EE	Wildfire Expense Memorandum Account (WEMA-G)	34367-G
Part EF	Statewide Energy Efficiency Balancing Account – Gas (SWEEBA-G)	36119,36120,36121-G
Part EG	Dairy Biomethane Pilots Balancing Account (DBPBA)	34715-G
Part EH	Dairy Biomethane Pilots Memorandum Account (DBPMA)	34716-G
Part EC	Emergency Consumer Protections Memorandum Account - Gas (ECPMA-G).....	34874*, 35019, 35020-G
Part FC	Rate Base Adjustment Memorandum Account (RBAMA)	35422-G
Part FD	California Consumer Privacy Act Memorandum Account – Gas (CCPAMA-G)	35320-G
Part FH	Disconnections Memorandum Account – Gas (DMA-G)	36191*-G

RULE	TITLE OF SHEET	
Rules		
Rule 01	Definitions	36437,26782,36438,36439,36440,36441,36442,35021*, 35129,36443,36444,36445,34469,34470,34471,36446,34473,34474,34475,36447-G
Rule 02	Description of Service.....	36472,36473,36474,23065,23066,36475-G
Rule 03	Application for Service	27248,27249-G
Rule 04	Contracts	17051-G
Rule 05	Special Information Required on Forms.....	30088,32872,32873-G
Rule 06	Establishment and Reestablishment of Credit	22126,30687,34524-G
Rule 07	Deposits.....	31330,28655-G
Rule 08	Notices.....	31924,17580,31925,30689,31926-G
Rule 09	Rendering and Payment of Bills.....	31914,34525,31381,33305,33507, 27345,31167,34972-G
Rule 10	Disputed Bills	18214,18215, 18216-G
Rule 11	Discontinuance and Restoration of Service	34867,34868,34052,34053,33494,33878, 34516,34678,34465,34632,34467,34470,34471,34472,34473,34474,34475-G
Rule 12	Rates and Optional Rates.....	18229,27253,24132,21981,21982,34520-G
Rule 13	Temporary Service	22832-G
Rule 14	Capacity Allocation and Constraint of Natural Gas Service	36448,36449,36450,36451, 36451,36452,36453,36454,36455,36456,36457,36458,36459,36460, 36461,36462,36463,36464,36465,36466,36467,36468,36469,36470,36471-G
Rule 15	Gas Main Extensions.....	21543,18802-18803,32408,20350,29271,31168,26827,21544, 21545,22376,22377,22378,22379,26828,26829,18814-G
Rule 16	Gas Service Extensions.....	21546,18816,34880,17161,18817,18818,18819,18820,18821, 18822,29273,18824,18825,17737,18826,18827-G
Rule 17	Meter Tests and Adjustment of Bills for Meter Error	14450,28656,28764,28770,28771, 28772,28773,28774-G
Rule 17.1	Adjustment of Bills for Billing Error.....	22936,28657,29274-G
Rule 17.2	Adjustment of Bills for Unauthorized Use.....	22937,14460,14461-G

(Continued)



GAS TABLE OF CONTENTS

Sheet 7

RULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Rules		
Rule 18	Supply to Separate Premises and Submetering of Gas.....	22790,17796,13401-G
Rule 19	Medical Baseline Quantities	21119,31932,21121-G
Rule 19.1	California Alternate Rates for Energy for Individual Customers and Submetered Tenants of Master-Metered Customers	34521,34220,30445,28210-G
Rule 19.2	California Alternate Rates for Energy for Nonprofit Group-Living Facilities.....	32051,34221,17035,31217,34522-G
Rule 19.3	California Alternate Rates for Energy for Qualified Agricultural Employee Housing Facilities.....	32053,34222,31219,34523-G
Rule 19.4	California Alternate Rates for Energy for Qualified Food Bank Facilities	35059-G
Rule 21	Transportation of Natural Gas.....	36476,36477,36478,36479,36480,36481,36482,36483, 36484, 36485,36486,36487,36488,36489,36490,36491, 36492,36493,36494-G
Rule 23	Gas Aggregation Service for Core Transport Customers.....	30871,29675,26664,18265, 30872,26666,24825,24826,24827,29677,29678,30873,30874,30875,29681,29682,30876,30877,30878,30879,30880,30881,30882,30883,30884,30885,30886,30887-G
Rule 25	Gas Services-Customer Creditworthiness and Payment Terms	28816,28817,28818,28819,28820,28821,28822,28823,28824,28825,28826,28827,28828-G
Rule 26	Standards of Conduct and Procedures Related to Transactions with Intracompany Departments, Reports of Negotiated Transactions, and Complaint Procedures... ..	29688,29689,29690,31933-G
Rule 27	Privacy and Security Protection for Energy Usage.....	30095,30096,30097,30098,3009930100,30101,30102,30103,30104,30105,30106,30107,30108,30109,30110,30111-G
Rule 27.1	Access to Energy Usage and Usage-Related Data While Protecting Privacy of Personal Data.... 31387,31388,31389,31390,31391-G
Rule 28	Mobilehome Park Utility Upgrade Program.....	34941,21773,31774,31775, 31776-31777,32133,32134-G

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Maps, Contracts and Deviations

SERVICE AREA MAPS:

Gas Service Area Map31641-G

LIST OF CONTRACTS AND DEVIATIONS:

.....20211,13247,13248,28466,17112,22437,29938,31542,13254,14426,13808,35193,
.....20390,16287,29333,29053,29334,14428,13263,14365,32879,35654,16264,13267-G

(Continued)



GAS TABLE OF CONTENTS

Sheet 10

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
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Sample Forms: Residential

79-1047	Authorization to Change Residential Rate NGV Home Refueling	34429-G
62-0972	CARE/FERA Program Application for Residential Single-Family Customers (Eng/Chinese).....	35836-G
62-0973	CARE/FERA Program Application for Residential Single-Family Customers (Eng/Vietn).....	35837-G
62-0939	CARE/FERA Program Application for Residential Single Family (Pre-Printed Application Instruction)	35834-G
62-0919	CARE/FERA Program Application for Residential Single-Family Customer (Pre-Printed Application)	35833-G
62-0940	CARE Program Renewal Instructions – Residential Single-Family Customers.....	35835-G
62-1509	CARE Program Renewal Application – Residential Single-Family Customers	35839-G
62-0672	CARE/FERA Program Application for Tenants of Sub-Metered Facilities (Eng/Chinese)..	35831-G
62-0673	CARE/FERA Program Application for Tenants of Sub-Metered Facilities (Eng/Vietn)	35832-G
79-1051	CARE/FERA Program Application for Residential Single Family Customers (Eng) – Large Print Application	35840-G
79-1052	CARE/FERA Program Application for Residential Single Family Customers (Spanish) – Large Print Application	35841-G
79-1053	CARE/FERA Program Application for Residential Single Family Customers (Chinese) – Large Print Application	35842-G
79-1054	CARE/FERA Program Application for Residential Single Family Customers (Vietnamese) – Large Print Application	35743-G
79-1055	CARE/FERA Program Application for Tenants of Sub-Metered Residential Facilities (English) – Large Print Application	35844-G
79-1056	CARE/FERA Program Application for Tenants of Sub-Metered Residential Facilities (Spanish) – Large Print Application	35845-G
79-1057	CARE/FERA Program Application for Tenants of Sub-Metered Residential Facilities (Chinese) – Large Print Application	35846-G
79-1058	CARE/FERA Program Application for Tenants of Sub-Metered Residential Facilities (Vietnamese) – Large Print Application.....	35847-G
79-1059	CARE/FERA Program Income Guidelines – Large Print.....	35848-G
79-1119	Tenant Rights Letter	33516-G

**Sample Forms
Non-Residential**

79-753	Compressed Natural Gas Fueling Agreement.....	34629-G
79-755	Agreement for Transportation of Natural Gas for Compression as a Motor-Vehicle Fuel.....	36172-G
79-756	Natural Gas Service Agreement.....	36435-G
79-757	Natural Gas Service Agreement Modification Revised Exhibits	34440-G
79-759	Supplemental Agreement for As-Available Capacity.....	30312-G

(T)

(Continued)



GAS TABLE OF CONTENTS

Sheet 11

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Sample Forms Non-Residential		
79-1026	Authorization to Revise Nominating Marketer on Exhibit C and D of Form No. 79-756 - Natural Gas Service Agreement.....	34427-G
79-762	Imbalance Trading Form for Schedule G-BAL Service.....	34441-G
79-788	Agreement for Adjustment for Natural Gas Energy Efficiency Measures	30313-G
79-796	Notice of Gas Storage Inventory Transfer.....	34442-G
79-845	Core Gas Aggregation Service Agreement.....	35774-G
79-845A	Core Gas Aggregation Service Agreement -- ATTACHMENT A - Customer Authorization for Core Gas Aggregation Service.....	34078-G
79-845C	Core Gas Aggregation Service Agreement -- ATTACHMENT C - Assignment of Firm Pipeline Capacity	32734-G
79-845D	Core Gas Aggregation Service Agreement -- ATTACHMENT D - Core Firm Storage Declarations Allocation, Assignment or Rejection of Storage for CTA.....	35775-G
79-845F	Core Gas Aggregation Service Agreement -- ATTACHMENT F -- Formal Communications Between Parties.....	30892-G
79-845G	Core Gas Aggregation Service Agreement -- ATTACHMENT G -- Optional Assignment to Core Transport Agent of Firm Northern Pipeline Path Capacity	29999-G
79-845H	Core Gas Aggregation Service Agreement -- ATTACHMENT H -- Authorization for Early Termination	30000-G
79-845I	Core Gas Aggregation Service Agreement -- ATTACHMENT I -- Certification of Alternate Resources for Rejected Storage Withdrawal Capacity	35529-G
79-845J	Core Gas Aggregation Service Agreement -- ATTACHMENT J -- Declaration of Alternate Firm Winter Capacity.....	32798-G
79-845K	Core Gas Aggregation Service Agreement -- ATTACHMENT K -- Core Transport Agent Billing Agreement.....	30003-G
79-845L	Core Gas Aggregation Service Agreement -- ATTACHMENT L - Consolidated PG&E Billing.....	34630-G
79-845M	Core Gas Aggregation Service Agreement -- ATTACHMENT M - Certification of Alternate Storage Resources for Self-Managed Storage Capacity	35776-G
79-983	Request for Re-classification from Noncore Service to Core Service	30028-G
79-866	Gas Transmission Service Agreement.....	36436-G
79-866E	Gas Transmission Service Agreement -- EXHIBIT E - Golden Gate Market Center Negotiated Firm Storage Service.....	30894*-G
79-866L	Gas Transmission Service Agreement -- EXHIBIT L - Golden Gate Market Center Core Firm Storage Service.....	33209-G
79-867	Assignment of Gas Transmission.....	34443-G
79-868	California Gas Transmission Credit Application	34444-G
79-869	Noncore Balancing Aggregation Agreement.....	34445-G
79-941	Nomination Authorization Form.....	34448-G
79-944	California Production Balancing Agreement.....	34449-G
79-946	California Production Cumulative Imbalance Trading Form	34450-G
79-947	Request for California Gas Transmission Market Center Balance Transfer.....	34451-G
79-971	Election for Self-Balancing Option.....	30025-G
79-982	Electronic Commerce System-User Agreement.....	30711-G
79-1140	CTA Unrecovered Capacity Cost Invoice.....	30713-G
79-1147	Authorization or Revocation of Authorization to Receive Customers Usage Information	34436-G

(Continued)

Attachment 2

Redline Tariffs



NATURAL GAS SERVICE AGREEMENT

DISTRIBUTION

- Customer
- Division ES&S
- Tariff Interpretations
- Gas Billing Solutions
- _____
- _____

REFERENCES

Transp.ID.#: _____
 Account ID#: _____
 SA#: _____
 Other Agmts: _____

 CRM: _____
 CRM. Phone: _____
 D&B # or Taxpayer ID: _____

GENERAL

1. This Natural Gas Service Agreement (NGSA), between Pacific Gas and Electric Company (PG&E), a California Corporation, and _____ (Customer), a(n) _____, (together referenced as "Parties"), is for gas service to (service address):

2. Customer agrees to pay for, and PG&E agrees to provide, natural gas service in accordance with the provisions of this NGSA, attached exhibits, and the applicable PG&E gas rate schedule(s) and rules, as approved by the Public Utilities Commission of the State of California (CPUC).
3. This NGSA includes, where applicable, Exhibit A (A.1, A.EG, A.NGV4, A.WSL, A.LNG (Rates and Metering Information)), Exhibit B (Contract Quantities), Exhibit C (Scheduling and Operations Data), and Exhibit D (Customer Contact and Billing Addresses). All applicable Exhibits are incorporated into and made a part of this NGSA. Exhibits may be amended from time to time in accordance with this NGSA.
4. Attached to this NGSA are applicable PG&E gas rate schedule(s) and rules in effect at the time of NGSA execution. Both Parties agree to abide by the provisions of the applicable rate schedule(s), as amended or their successor rate schedules, as well as all applicable PG&E gas rules and gas tariff schedules, as may be amended from time to time.

TERM

5. This NGSA shall be effective upon the date that both Parties have executed the agreement, or on _____ (specify effective date). The initial term of this NGSA, unless otherwise specified in Exhibit A, will be twelve (12) months unless Customer ceases to take gas service at the facility served by this NGSA. After twelve (12) months, this NGSA will continue on a month-to-month basis unless terminated by Customer upon thirty (30) days' prior written notice to PG&E, or unless terminated by PG&E upon the approval of or an order by the CPUC. Termination by the Customer will take effect on the first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. This NGSA will also terminate if Customer's gas use no longer qualifies for the rate schedule(s) specified in Exhibit A.

RATES AND CONTRACT QUANTITIES

6. The rate(s) to be charged for all natural gas service under this NGSA shall be specified in Exhibit A.
7. Contract quantities for all service under this NGSA are specified in Exhibit B.

MODIFICATIONS TO NGSА AND EXHIBITS

8. Revisions or modifications to this NGSА or its incorporated exhibits must be agreed to by both Parties subject to the conditions noted below.
9. Revisions to Exhibit A: A substitution of one rate schedule(s) for other rate schedules may only be made as specified in the provisions of the applicable rate schedule(s). Unless mutually agreed to by both Parties, a change from one rate schedule to another rate schedule may only be made once every twelve (12) months. Such revisions must be agreed to by both Parties. Unless otherwise agreed to by both parties, revisions will then take effect on the first day of the calendar month that occurs at least thirty (30) days after the request for the revision and remain in effect for a minimum of twelve (12) months. Negotiated provisions as specified in Exhibits A.2 or A.EG-NEG, if applicable, will be revised as specified in that exhibit.
10. Revisions to Exhibit B: Customer or PG&E may request to adjust the contract quantities specified in Exhibit B if there are changes in the equipment or operations at Customer's premises. Such changes must be consented to by the other party and a modified Exhibit B must be executed by both Parties. Such revisions will take effect as soon as they are processed by PG&E, unless Customer requests a later date.
11. Revisions to Exhibit C or D: Customer may request revisions to Exhibit C or D at any time. Such revisions will take effect as soon as they are received and processed by PG&E, unless Customer requests a later date. Revisions to Nominating Marketer and Nominating Marketer ID Numbers on Exhibit C and Formal Communications contact and mailing address on Exhibit D must be requested in writing. All other revisions to Exhibit C or D can be changed by Customer directly contacting PG&E. Nominating Marketer contact information may be changed by Customer or Nominating Marketer by directly contacting PG&E.

COMMUNICATIONS

12. Communications about routine operations such as start-ups, shut-downs, gas nominations and scheduling, should be directed by Customer to PG&E using the addresses specified in Exhibit C.
13. Formal communications concerning this NGSА shall be in writing. Formal communications are those for anything other than routine operations. Formal communications include modifications to rate schedules, nominating marketers, and contract quantities. Formal communications are to be delivered to the appropriate address, as specified in Exhibit D. Either Party must designate by written notice any change of address to which formal communications should be sent.

BILLING

14. PG&E will bill Customer at the applicable rate(s) set forth in Exhibit A for natural gas service during the billing month.
15. PG&E will initially send Customer's monthly billings to the address specified in Exhibit D. Customer may request a change to the mailing address by directly contacting PG&E.

ASSIGNMENT

16. This NGSA shall not be assigned by either Party without the written consent of the other. Such consent shall not be unreasonably withheld. Any successor to or transferee or assignee of the rights of a Party, whether by voluntary transfer, judicial sale, foreclosure sale, or otherwise, shall be subject to all terms and conditions of this NGSA to the same extent as though such successor, transferee or assignee were an original Party. Assignment of this NGSA shall not release the assigning Party from any of the obligations under this NGSA unless such a release is agreed to in writing by the other Party and the assignee. Notwithstanding the above, assignment of the entire interest and obligations of PG&E hereunder may be made to a parent or Affiliate of PG&E, or to an entity succeeding to all or substantially all of the business properties and assets of PG&E, following written notice to Customer and without obtaining the written consent of the Customer.

EXCLUSIVE NATURE AND INTERPRETATIONS

17. With the exception of the CPUC-approved tariff and rule changes as provided in paragraph 27, and for changing contact names, mailing addresses, e-mail addresses, telephone and fax numbers as provided for in paragraphs 8, 11, and 15, no subsequent modification or amendment of this NGSA or of any of its exhibits shall be effective unless in writing, and accompanied by a Natural Gas Service Agreement Modification Revised Exhibits Form (Form No. 79-757) signed by a duly authorized representative of each Party.
18. This NGSA does not change the obligations, restrictions or rights contained in other agreements between Parties unless expressly indicated in this NGSA. Customer and PG&E agree that all understandings between them regarding the gas service to be provided under this NGSA are set forth or referenced in this NGSA. No agreements, representations, memoranda, or any other form of communication, written or oral, exchanged before the signing of this NGSA (other than PG&E's tariffs), shall be grounds for altering or interpreting the terms of this NGSA.
19. The waiver by either Party of any breach of any term, covenant or condition contained in this NGSA, or any default in the performance of any obligations under this NGSA, shall not be deemed to be a waiver of any other breach or default of the same or any other term, covenant, condition or obligation. Nor shall any waiver of any incident of breach or default constitute a continuing waiver of the same.
20. This NGSA shall be interpreted under the laws of the State of California, excluding any choice of law rules which may direct the application of the laws of another jurisdiction. This NGSA and the obligations of the Parties are subject to all valid laws, orders, rules, and regulations of the authorities having jurisdiction over this NGSA (or the successors of those authorities).
21. Complaints against PG&E arising out of this NGSA may be asserted or filed and shall be enforced only under the provisions of Section 1702 of the Public Utilities Code. Each Party shall be entitled to recover reasonable costs, including attorney fees, to collect payment for services previously performed or other amounts due and owing under this NGSA.
22. Nothing in this NGSA shall be construed to create any duty to, any standard of care with reference to, or any liability to any third party.

NATURAL GAS SERVICE AGREEMENT

23. PG&E shall have no liability to Customer, or any assignee thereof, for any curtailments, interruptions of service or losses of gas pursuant to this Agreement, PG&E's gas Rules or rate schedules. The liability of PG&E for any curtailments, interruptions of service, or gas losses otherwise arising out of mistakes, omissions, interruptions, delays, errors or defects in any of the gas services or facilities used or furnished by PG&E shall in no event exceed an amount equal to any applicable pro rata charges for the period during which the services or facilities are affected by the mistake, omission, interruption, loss, delay, error or defect; provided, however, that the provisions hereof shall not apply to damages caused by willful misconduct, fraudulent conduct or violations of law by PG&E.
24. No Party under this Agreement shall be assessed any special, punitive, consequential, incidental, or indirect damages, whether in contract or tort (including negligence) or otherwise, for any breach, actions, or inactions arising from, out of, or related to this Agreement.

FORCE MAJEURE

25. In the event either Customer or PG&E is rendered unable, wholly or in part, by force majeure to carry out its obligations under this Agreement, it is agreed that, upon such Party giving notice as soon as practicable in writing (or as soon as practicable by facsimile or telephone if confirmed in writing within seventy-two (72) hours) but in no event delivered to the other Party later than five (5) business days after the onset of the force majeure condition, then the obligations of the Party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of the effects of the cause; provided that such notice shall give the other Party reasonably full particulars of such force majeure, including the circumstances preventing or delaying performance hereunder; and provided that the Party subject to such force majeure shall remedy it so far as possible with all reasonable dispatch; and further provided that no force majeure shall be cause for delay in the payment for services rendered prior to its inception.
26. The term "force majeure," as employed herein, shall mean acts of God, strikes, lockouts or other industrial disturbances, acts of the public enemy, wars, blockage, insurrection, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, high water, washouts, civil disturbances, explosions, breakage or accident to machinery or lines of pipe, the necessity for making non-routine repairs or non-routine alterations to machinery or lines of pipe, freezing lines of pipe, acts of civil or military authority (including, but not limited to, courts, or administrative or regulatory agencies), and any other cause, whether of the kind herein enumerated or otherwise, not within the control of the Party claiming suspension and which, by the exercise of due diligence, that Party is unable to prevent or overcome.
- a. It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the Party having the difficulty, and the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts when such course is inadvisable in the discretion of the Party having the difficulty.
 - b. It is understood and agreed that "force majeure" as used herein shall not include scheduled and routine maintenance and repairs of machinery and lines of pipe, operational flow orders, emergency flow orders, or diversion orders in accordance with PG&E Gas Rule 14, financial considerations, or the unavailability of upstream or downstream transportation or supply.

REGULATORY

NATURAL GAS SERVICE AGREEMENT

- 27. Customer shall not take any action which may subject PG&E's gas operations to the jurisdiction of the Federal Energy Regulatory Commission (FERC) or any successor to the FERC. Any such action is cause for the immediate termination of this NGSA.
- 28. This NGSA shall at all times be subject to any changes or modifications the CPUC may direct from time to time in the exercise of its jurisdiction. Such changes or modifications may be to this NGSA or to PG&E's applicable tariff schedules and rules.

AGREED TO BY:

(Customer)	PACIFIC GAS AND ELECTRIC COMPANY
(Signature)	(Signature)
(Type/Print Name)	(Type/Print Name)
(Title)	(Title)
(Date)	(Date)

Attachments: Exhibits: Exhibit A. _____-Rates and Metering Information
 Exhibit B-Contract Quantities
 Exhibit C-Scheduling and Operations Data
 Exhibit D-Customer Contact and Billing Addresses

Tariffs: Rate Schedule(s) _____
 Gas Rules 1, 2, 9, 10, 11, 12, 14, 17, 21, 29



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ Transp. ID No.: _____

I. TERM:

The provisions specified in this Exhibit A.EG will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. Per gas Rule 12, certain noncore Customers are prohibited from reclassification to core service. If this Exhibit A.EG has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-EG. All noncore natural gas transportation that does not qualify under Schedule G-EG is provided under the terms and conditions of Schedule G-NT. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C, unless G-EG is taken in conjunction with a core rate schedule and gas is provided by a Core Procurement Group.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking transportation and/or procurement service under a core rate schedule in conjunction with Schedule G-EG.

- [] Non-PG&E supplied gas under Schedule G-_____ (PG&E transportation service only). Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.
[] Gas supplied by a Core Procurement Group in conjunction with Schedule G-_____. This option is only available to a facility that 1) qualifies as a cogeneration facility pursuant to California Public Utilities Code Section 218.5 and 2) has a rated generation capacity of less than five-hundred kilowatts (500 kW) and 3) does not have a generation usage exceeding 250,000 therms per year. If gas is supplied by a Core Transport Agent (CTA), indicate the CTA Group name and number in Special Billing instructions.

IV. FRANCHISE FEE SURCHARGE EXEMPT:

[] Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR because Customer is a political subdivision of the state of California.1

1 The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Service Point No.	Meter Badge Number	Submete Badge Number²	Meter Serves Core or Noncore³	BB Trans. Dist.⁴	Does Meter Only Serve Gen.Load⁵	Is Gen Load Cogen?⁶
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NET ELECTRIC OUTPUT METER INFORMATION IF GAS METER SERVES BOTH GENERATION AND NON-GENERATION LOAD: Metering and service point information will be completed and updated by PG&E, as needed. Customer-Owned metering is at PG&E's Sole Discretion.

<u>Net Electric Output Service Point No.</u>	<u>Meter Badge Number</u>	<u>Submeter Badge Number</u>
--	---------------------------	------------------------------

The Net Electric Output meter is owned by: (indicate below)

Customer-Owned: Monthly meter reads will be provided by: _____ Customer or by _____ PG&E (indicate by placing a check in the appropriate space).

PG&E-Owned

² Completed only if a subtractive meter to the primary meter exists for service point number.

³ Meters for new NGSAs or meters added to existing NGSAs must serve either 100% core or 100% noncore load. If meter serves generation load and the otherwise-applicable rate is a core rate schedule or the Customer is receiving procurement from a Core Procurement Group, "Core" will be entered.

⁴ This area is used to indicate if the meter is to be billed at the Backbone Level Rate ("BB") under Schedule G-EG. If meter serves noncore load that is not billed at the Backbone Level Rate, the designation will be "Trans" or "Dist" to indicate whether meter is connected to the Transmission or Distribution System respectively. If meter serves core load, the designation "Dist" is used.

⁵ "Yes" indicates the meter serves only electric generation (EG). "No" indicates the meter serves only non-generation load. "Both" indicates the meter serves both generation and non-generation load.

⁶ "Yes" indicates that the generation facility qualifies as a cogeneration facility pursuant to California Public Utilities Code 218.5, otherwise, "No" will be entered. Gas that is used for generation through this meter is exempt from G-SUR charges. The exemption is specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.EG
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

VI. HEAT RATE AND GENERATOR CAPACITY:

Enter Generator Capacity for all Customers. The Annual Average Heat Rate must be completed if the electric generation equipment does not have a separate PG&E installed gas meter. All delivered gas that does not qualify for Schedule G-EG will be billed at the otherwise applicable rate. The Annual Average Heat Rate can be adjusted by PG&E based on actual recorded values.

Generator Capacity _____ (kW)

Annual Average Heat Rate _____ (BTU/kWh)

VII. SPECIAL BILLING INSTRUCTIONS:



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.NGV4
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.NGV4 will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSAs), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. If this Exhibit A.NGV4 has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-NGV4. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking service under a core rate schedule in conjunction with Schedule G-NGV4.

[] Non-PG&E-supplied gas. (PG&E transportation service only). Transportation service is provided under Schedule G-_____. Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C

IV. FRANCHISE FEE SURCHARGE EXEMPT:

[] Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR.¹

¹ The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.NGV4
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ Transp. ID No.: _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Table with 5 columns: Service Point No., Meter Badge Number, Submeter Badge Number2, Meter Serves Core or Noncore3, BB Trans. or Dist.4

VI. SPECIAL BILLING INSTRUCTIONS:

2 Completed only if a subtractive meter to the primary meter exists for service point number.

3 For new NGSAs and meters added to an existing NGSA, each listed meter must serve either 100% core or 100% noncore.

4 This area is used to indicate whether meter is to be billed at the Backbone Level ("BB"), Transmission Level ("Trans"), or Distribution Level ("Dist") rates under Schedule G-NGV4.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.1
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ Transp. ID No.: _____

I. TERM:

The provisions specified in this Exhibit A.1 will take effect on _____ (date), with an initial term of twelve (12) months. After the initial term, these provisions will continue on a month-to-month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. Termination or revision by the Customer will take effect on first day of the calendar month that occurs at least thirty (30) days after notification, unless otherwise agreed by PG&E. Per gas Rule 12, certain noncore Customers are prohibited from reclassification to core service. If this Exhibit A.1 has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

II. NONCORE RATE SCHEDULES:

Transportation: Customer elects to receive noncore natural gas transportation service under the terms and conditions of Schedule G-NT. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. CORE RATE SCHEDULE(S):

This Section must be completed if Customer is taking service under a core rate schedule in conjunction with Schedule G-NT.

[] Non-PG&E-supplied gas. (PG&E transportation service only). Transportation service is provided under Schedule G-_____. Procurement service cannot be supplied by a Core Procurement Group. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C

IV. FRANCHISE FEE SURCHARGE EXEMPT:

[] Enter Yes in box if Customer's usage is exempt from charges under Schedule G-SUR because Customer is a political subdivision of the state of California.1

1 The exemptions are specified in Schedule G-SUR.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.1
RATES AND METERING INFORMATION

CUSTOMER NAME: _____ **Transp. ID No:** _____

V. METERING INFORMATION: Metering and service point information will be completed and updated by PG&E, as needed.

GAS METER INFORMATION:

Service Point No.	Meter Badge Number	Submeter Badge Number²	Meter Serves Core or Noncore³	BB Trans. or Dist.⁴
----------------------------------	-----------------------------------	--	---	---

VI. SPECIAL BILLING INSTRUCTIONS:

² Completed only if a subtractive meter to the primary meter exists for service point number.

³ For new NGSAs and meters added to an existing NGSA, each listed meter must serve either 100% core or 100% noncore.

⁴ This area is used to indicate whether meter is to be billed at the Backbone Level ("BB"), Transmission Level ("Trans"), or Distribution Level ("Dist") rates under Schedule G-NT.



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.2
NEGOTIATED TERMS AND CONDITIONS

CUSTOMER NAME: _____ Transp.ID No: _____

If Exhibit A.2 is used, then an Exhibit A.1 must also be completed to indicate the standard rates provided in conjunction with the negotiated provisions specified below. Exhibit A.1 is also needed to specify the accounting and metering information.

NONCORE RATE SCHEDULE(S) AND CONTRACT QUANTITIES:

Customer elects to receive natural gas service under the terms and conditions of Schedule G-NT (Noncore Transportation Service) under the negotiated terms and conditions set forth below. All terms and conditions not expressly set forth will be considered to be unchanged from the standard provision specified in Schedule G-NT.

1. TERM:

The negotiated provisions indicated in this Exhibit A.2 shall be for _____ days, or _____ months (only indicate days if these provisions are for less than one (1) month), and become effective on _____ (date). After the end of the initial term, negotiated provision will: (select only one option)

- [] terminate on _____ (end date), or;
[] Continue on a day-to-day basis until terminated upon thirty (30) days written notice by PG&E or Customer.

2. NEGOTIATED RATES:

Monthly Charge:

Volumetric Charge:

3. USE-OR-PAY OBLIGATION:

4. OTHER SPECIAL INSTRUCTIONS OR PROVISIONS:



NATURAL GAS SERVICE AGREEMENT

EXHIBIT B CONTRACT QUANTITIES

CUSTOMER NAME: _____ **Transp.ID No.:** _____

This Exhibit B was modified on _____ (Date)

I. MAXIMUM DAILY QUANTITY

Customer must designate a Maximum Daily Quantity (MDQ) for all service provided under the NGSA. The MDQ is based on the historical maximum single day use at the facilities served under the NGSA. The MDQ may be adjusted if Customer can document to the satisfaction of PG&E that changes in Customer's operations warrant a modified MDQ. The MDQ, plus in-kind shrinkage, will be the maximum amount of gas that Customer will be allowed to deliver into PG&E's service territory on any day.

MAXIMUM DAILY QUANTITY (MDQ): _____ decatherms

II. MONTHLY AND ANNUAL CONTRACT QUANTITIES

For purposes of this Exhibit, quantities (specified in decatherms) are identified by column as follows:

- Column A. Total Monthly Quantities (TMQ) of **Core Service**
- Column B. Total Monthly Quantities (TMQ) of **Noncore Service**
- Column C. Number of Operating Days in the Month

All quantities represent volumes delivered to Customer's premises, and do not include in-kind shrinkage on the PG&E system.

The Average Daily Quantity (ADQ) is equal to the TMQ in Column A plus the TMQ in Column B, divided by the Operating Days in Column C.

	Column A Core (Dth)	Column B Noncore (Dth)	Column C Operating Days in Month
January:	_____	_____	_____
February:	_____	_____	_____
March:	_____	_____	_____
April:	_____	_____	_____
May:	_____	_____	_____
June:	_____	_____	_____
July:	_____	_____	_____
August:	_____	_____	_____
September:	_____	_____	_____
October:	_____	_____	_____
November:	_____	_____	_____



NATURAL GAS SERVICE AGREEMENT
EXHIBIT B
CONTRACT QUANTITIES

December: _____



NATURAL GAS SERVICE AGREEMENT

EXHIBIT C

SCHEDULING AND OPERATIONS DATA

CUSTOMER NAME: _____ Transp.ID No.: _____

I. NOMINATING MARKETER:

Customer shall list the Nominating Marketer(s) having the authority to nominate gas deliveries to PG&E. All listed Nominating Marketers will be allowed access to gas metering data and Exhibit B Contract quantities, unless otherwise indicated by Customer by checking the appropriate boxes below each Nominating Marketer. Customer can also designate one Nominating Marketer as having the authority to trade monthly imbalances on Customer's behalf by checking the appropriate box below.

This Exhibit C is effective on _____ (date), and will remain in effect until it is revised or the NGSA is terminated.

NOMINATING MARKETER:¹ _____ **MARKETER ID NUMBER:** _____

CO. NAME: _____

ADDRESS: _____

CITY/STATE/COUNTRY: _____ ZIP CODE: _____

CONTACT: _____ PHONE NO.:(____)____-_____

ALTERNATE NO.:(____)____-_____ FAX NO.:(____)____-_____

Customer can check one or more of the boxes below to indicate the appropriate authorization:

- This Nominating Marketer **cannot** have access to gas metering data.
- This Nominating Marketer **cannot** view the contract quantities indicated in Exhibit B.
- Customer authorizes this Nominating Marketer to execute monthly imbalance trades, as specified in Schedule G-BAL.²

II. CUSTOMER OPERATIONS CONTACT:

Nominating Customer ID Number: _____ (if Customer makes gas supply nominations)

CO. NAME: _____

ADDRESS: _____

CITY/STATE/COUNTRY: _____ ZIP CODE: _____

CONTACT: _____ PHONE NO.:(____)____-_____

ALTERNATE NO.:(____)____-_____ FAX NO.:(____)____-_____

III. PG&E GAS SCHEDULING & OPERATIONS:

COMPANY NAME: **Pacific Gas and Electric Company**
ADDRESS/CITY/STATE: 77 Beale St., Room 1645 San Francisco, CA 94106
CONTACT: Transportation Coordinator PHONE NO.: (415) 973-2424
ALTERNATE NO.: (415) 973-3216 (24 hr.) FAX NO.: (415) 973-0649

¹ Communications by a Nominating Marketer shall be binding on Customer and shall prevail if there is any conflict with information regarding nominations or receipt of gas from Customer. The Nominating Marketer shall act on behalf of Customer for as long as the Nominating Marketer is listed in the Exhibit C of Customer's NGSA, unless a formal written notification is received by PG&E that such arrangement no longer exists.

² Only one Nominating Marketer can be granted authority to trade imbalances. Unless Customer has executed a Noncore Balancing Aggregation Agreement, Exhibit A, Form 79-869 with a Nominating Marketer or other third-party service provider, Customer remains responsible for any and all charges associated with Schedule G-BAL and Rule 14.

NATURAL GAS SERVICE AGREEMENT



EXHIBIT D CUSTOMER CONTACT AND BILLING ADDRESSES

CUSTOMER NAME: _____ **Transp. ID** _____

No.: _____

DIRECTIONS: Check the type of communication for each of the following addresses where applicable. Any of the names or addresses listed below may be changed upon notification from Customer as specified in the NGSAs. Customer can only designate one Formal Communications Address.

This Exhibit D is effective on _____ (date), and will remain in effect until it is revised or the NGSAs is terminated. If this Exhibit D has been revised, indicate the effective date of the latest revision here: _____ (revision effective date).

____ FORMAL COMMUNICATION ____ IMBALANCE STATEMENT ADDRESS
____ BILLING ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.: (____) ____ - _____
ALTERNATE NO.: (____) ____ - _____ FAX NO.: (____) ____ - _____

____ BILLING ADDRESS ____ IMBALANCE STATEMENT ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.: (____) ____ - _____
ALTERNATE NO.: (____) ____ - _____ FAX NO.: (____) ____ - _____

____ BILLING ADDRESS ____ IMBALANCE STATEMENT ADDRESS

CO. NAME: _____
ADDRESS: _____
CITY/STATE/COUNTRY: _____ ZIP CODE: _____
CONTACT: _____ PHONE NO.: (____) ____ - _____
ALTERNATE NO.: (____) ____ - _____ FAX NO.: (____) ____ - _____

OFO/EFO NOTIFICATIONS: Please provide at least one e-mail address – Maximum of 5

NAME	E-MAIL ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____

PG&E FORMAL COMMUNICATIONS:

TO PG&E: PACIFIC GAS & ELECTRIC COMPANY
DIVISION: _____
ADDRESS: _____
CITY/STATE/ZIPCODE: _____
ATTENTION: _____



NATURAL GAS SERVICE AGREEMENT
EXHIBIT A.LNG
RATES AND METERING INFORMATION

A.
CUSTOMER NAME: _____ **Transp. ID No.:** _____

I. TERM:

The provisions specified in this Exhibit A.LNG will take effect on _____ (date) and will continue on a month to month basis until terminated or revised by Customer or by PG&E (as specified in the NGSA), upon thirty (30) days written notice to PG&E. If this Exhibit A.LNG has been revised, indicate the effective date of the latest revision here:
_____ (revision effective date).

II. NONCORE RATE SCHEDULE:

B. Rate Schedule

Customer agrees to purchase and PG&E agrees to provide a supply of Liquefied Natural Gas pursuant to the terms of this Agreement and to experimental rate Schedule G-LNG, or its successor.

B. Procurement:

Service provided hereunder requires gas be supplied for liquefaction by a supplier other than PG&E. Please list all Nominating Marketers having the authority to make daily gas nominations in Exhibit C.

III. LIABILTY:

Customer accepts all risks related to the operation and transfer of LNG to Customer's motor vehicles at PG&E's LNG filling station(s) and agrees to hold PG&E and its employees harmless from any and all damages resulting from ingress, egress, and filling with LNG at any PG&E facility or any other damage or injury whether to persons or property as a result of or in direct relationship to the filling of Customer transport vehicles with LNG, excepting only such damage or injury caused by the sole negligence or willful misconduct of PG&E. Due to the experimental nature of this schedule PG&E does not guaranty the ability to provide continuous service under this rate schedule.

IV. SPECIAL BILLING INSTRUCTIONS:



NATURAL GAS SERVICE AGREEMENT

EXHIBIT A.EG-NEG

NEGOTIATED TERMS AND CONDITIONS

CUSTOMER NAME: _____ Transp.ID No: _____

If Exhibit A.EG-NEG is used, then an Exhibits A.EG must also be completed to indicate the standard rates provided in conjunction with the negotiated provisions specified below. Exhibit A.EG is also needed to specify the accounting and metering information.

NONCORE RATE SCHEDULE(S) AND CONTRACT QUANTITIES:

Customer elects to receive natural gas service under the terms and conditions of Schedule G-EG (Gas Transportation Service to Electric Generation) under the negotiated terms and conditions set forth below. All terms and conditions not expressly set forth will be considered to be unchanged from the standard provision specified in Schedule G-EG.

1. TERM

The negotiated provisions indicated in this Exhibit A.EG-NEG shall be for _____ days, or _____ months (only indicate days if these provisions are for less than one (1) month), and become effective on _____ (date). After the end of the initial term, negotiated provision will: (select only one option)

- terminate on _____ (end date), or;
- Continue on a day-to-day basis until terminated upon thirty (30) days written notice by PG&E or Customer.

2. NEGOTIATED RATES:

Monthly Charge:

Volumetric Charge:

3. USE-OR-PAY OBLIGATION:

4. OTHER SPECIAL INSTRUCTIONS OR PROVISIONS:



GAS TRANSMISSION SERVICE AGREEMENT

This Gas Transmission Service Agreement (GTSA) is made by and between PACIFIC GAS AND ELECTRIC COMPANY (PG&E), a California Corporation, and _____ (Customer), a _____. PG&E and Customer each shall be referred to herein as a Party and together as Parties.

Subject to the provisions of this GTSA and the applicable PG&E gas Rules and Rate Schedules, PG&E agrees to make available to Customer the following categories of service:

Gold Coast Transportation Services
Golden Gate Market Center Services, including Storage Services

Election of any or all of such services by Customer and acceptance and authorization by PG&E shall be evidenced by the signatures of Customer and PG&E on the Exhibit(s) under this GTSA or pursuant to an executed Electronic Commerce System User Agreement (Form 79-982) with Customer which shall describe the specific terms and conditions of the service transactions to be performed.

1. TERM

1.1 This GTSA shall be effective upon the date that both parties have executed the agreement, or on _____. The initial term shall be twelve (12) months. Thereafter this GTSA shall continue from month to month unless terminated by either Party upon thirty (30) days' prior written notice to the other. Notwithstanding the above: (a) Neither Customer nor PG&E may unilaterally terminate this GTSA prior to the termination date for service set forth in any Exhibit executed by Customer and PG&E under this GTSA, and (b) PG&E may terminate this GTSA at any time in accordance with Paragraph 6.3 hereof or in accordance with PG&E's gas Rule 25 and may do so without thirty (30) days' prior written notice to Customer.

2. RATES AND CONTRACT QUANTITIES

2.1 The rate(s) to be charged for service(s) provided pursuant to this GTSA shall be as specified in the Exhibit(s) incorporated hereunder and applicable Rate Schedule(s), and Customer shall pay PG&E each billing period for all services rendered at the agreed-upon price.

2.2 PG&E shall have the unilateral right to apply at any time to the appropriate regulatory authority and, subject to approval thereof, make effective changes in the rates and charges applicable to services provided under this GTSA, the Rate Schedule(s) pursuant to which service hereunder is rendered, or any provisions of the applicable PG&E gas Rules.

2.3 The contract quantities for all services provided pursuant to this GTSA shall be as specified in the Exhibits incorporated hereunder.

3. BILLING AND PAYMENT

3.1 Bills shall be rendered and payments shall be due in accordance with gas Rule 25, Section C.

3.2 If an error is discovered in any bill rendered by PG&E, the amount of such error shall be adjusted, provided that a valid claim therefore is made within twelve (12) months from the date of the bill containing the original error.

3.3 Either Party may submit a billing dispute for resolution in accordance with Section 8; however, PG&E's remedies for late payments pursuant to Section C of gas Rule 25 shall be available notwithstanding such dispute resolution process.

GAS TRANSMISSION SERVICE AGREEMENT

4. GAS QUALITY AND OPERATING PROCEDURES

4.1 Gas delivered to PG&E by or on behalf of Customer pursuant to this GTSA shall meet the gas quality specifications set forth in PG&E gas Rule No. 21 or gas Rules 21 and 29, subject to gas supply type, as may be amended from time to time.

4.2 Customer shall conform to the operating procedures set forth in all applicable PG&E gas Rules in effect during the term of this GTSA.

5. WARRANTY OF TITLE AND RISK OF LOSS

5.1 Customer warrants, for itself and its successors, that it will have at the time of delivery of gas to PG&E good title to such gas and that all gas delivered to PG&E for performance of service hereunder shall be eligible for all requested service under applicable rules, regulations, or orders of the California Public Utilities Commission (CPUC), or other agency having jurisdiction. Customer shall indemnify PG&E and save and hold PG&E harmless from all claims, demands, suits, actions, damages, losses, expense (including attorneys' fees) and costs connected with regulatory, administrative, or judicial proceedings arising from any breach of this warranty, or any breach of this indemnification provision.

5.2 Risk of loss of gas delivered to PG&E pursuant to an Exhibit incorporated hereunder shall pass to PG&E upon delivery of such gas to PG&E and shall pass from PG&E to Customer upon delivery from PG&E to or on behalf of Customer.

6. GOVERNMENTAL AUTHORITY

6.1 All of the provisions of this GTSA shall be subject to all present and future applicable federal or state laws, orders, rules and regulations of governmental authorities having jurisdiction. This GTSA shall at all times be subject to such changes or modifications by the CPUC as the CPUC may, from time to time, direct in the exercise of its jurisdiction.

6.2 The Parties recognize that PG&E has entered into transactions hereunder based on its good faith understanding that all acts, obligations, and services performed or to be performed by PG&E hereunder, and the charges therefore, are exempt from the regulation of the Federal Energy Regulatory Commission (FERC), except those interstate transactions that are permitted under PG&E's blanket certificate issued pursuant to Section 284.224 of the FERC's regulations. These interstate transactions shall be provided subject to the provisions of Part 284, Subpart C of the FERC's regulations as may be amended from time to time.

6.3 PG&E retains the right to terminate immediately the offering or furnishing of any services hereunder if the continued performance of such services could reasonably be determined to jeopardize continuance of PG&E's Hinshaw Exemption pursuant to Section 1 (c) of the Natural Gas Act.

7. ASSIGNMENT

7.1 Assignment of GTSA by PG&E: Assignment of the entire interest and obligations of PG&E hereunder may be made to an entity succeeding to all or substantially all of the business properties and assets of PG&E used to provide services hereunder. PG&E must obtain the Customer's written consent to assign.

7.2 Assignment of Exhibits by Customer: Customer may assign individual Exhibits incorporated hereunder to third parties who have executed a GTSA with PG&E subject to the following conditions:

GAS TRANSMISSION SERVICE AGREEMENT

7.2.1 Such assignments may consist of all or a portion of Customer's contract quantity and all or part of Customer's remaining contract term as set forth in the subject Exhibit. In order to effect assignment of an individual Exhibit, Customer must provide PG&E with written notice using an Assignment of PG&E Backbone Pipeline and Storage Capacity Allocation (Form 79-867) bearing both the proposed assignor's and assignee's authorized signature and must obtain PG&E's consent as provided for in the assignment document.

7.2.2 If PG&E determines that the proposed assignee satisfies PG&E's creditworthiness requirements as specified in gas Rule 25, PG&E shall approve the assignment and thereafter the assignee shall be responsible for the performance of all obligations and duties pursuant to the assigned Exhibit and shall make any payments due under the assigned Exhibit directly to PG&E.

8. DISPUTE RESOLUTION

8.1 Any dispute, claim, or need for interpretation arising out of or relating to this GTSA which cannot be resolved after good faith discussions between the Parties within thirty (30) days of written notice from either Party to the other that there is such a dispute, claim, or need for interpretation shall be resolved in the manner set forth in Paragraphs 8.2 and 8.3, which shall be in lieu of litigation before any regulatory agency or in any state or federal court except to the extent that (i) both Parties agree to bring the matter before the CPUC; (ii) the matter is within the jurisdiction of the CPUC, and (iii) the CPUC is willing to accept the matter for resolution.

8.2 At either Party's request, the Parties shall submit their dispute to non-binding mediation in accordance with the Commercial Mediation Rules of the American Arbitration Association (AAA). The Parties shall establish specific ground rules for the mediation at least fourteen (14) days in advance of the mediation meeting. The mediation shall be held in San Francisco, California, and shall commence within thirty (30) days of a Party's request for mediation. Each Party shall bear its own mediation costs. The costs and expenses of the mediator shall be divided equally between the Parties.

8.3 If no settlement is reached as a result of the procedures prescribed in Paragraph 8.2, the matter shall be submitted to binding arbitration pursuant to the Commercial Arbitration Rules of the AAA (including any rules for expedition of the hearing process); provided, however, such rules shall be modified as necessary to reflect the following:

8.3.1 Unless the Parties otherwise agree, the arbitration panel shall be composed of three persons. Each Party shall nominate one arbitrator, and the two arbitrators so appointed shall appoint a third, who shall act as the presiding arbitrator or chair of the panel. If either Party fails to nominate an arbitrator within thirty (30) days of receiving notice of the nomination of an arbitrator by the other Party, such (second) arbitrator shall be appointed by the AAA at the request of the first Party. If the two arbitrators so selected fail to select a third arbitrator, the third arbitrator shall be appointed by the AAA. Should a vacancy occur on the panel, it shall be filled by the method by which that arbitrator was originally selected.

8.3.2 The arbitration shall be held at a location to be agreed to by the Parties, or, failing such an agreement, at San Francisco, California.

8.3.3 The arbitrators shall hold a preliminary meeting with the Parties within thirty (30) calendar days of the appointment of the third arbitrator for the purpose of determining or clarifying the issues to be decided in the arbitration, the specified procedures to be followed, and the schedule for briefing and/or hearings. The arbitrators shall hold a hearing and, within one hundred and twenty (120) calendar days of the preliminary meeting (except in extraordinary cases), shall issue a written decision, supported by a majority of the arbitrators, and include findings of fact and conclusions of law. Such decision shall thereafter be deemed to be part of this GTSA and incorporated by reference herein.

GAS TRANSMISSION SERVICE AGREEMENT

8.3.4 If one or both of the Parties have a substantial need for discovery in order to prepare for the arbitration hearing, the Parties shall attempt in good faith to agree on a minimum plan for expeditious discovery. Should they fail to reach agreement, either Party may request a joint meeting with the presiding arbitrator to explain points of agreement and disagreement, and the presiding arbitrator shall thereafter promptly determine the scope of discovery and the time allowed therefore.

8.3.5 Pending such written decision and findings of facts and conclusions of law as set forth in subparagraph 8.3.3, the Parties shall continue to operate under the GTSA as on the date the arbitration was requested; however, the decision by the panel should consider specifically the appropriateness of retroactive adjustments to the date the dispute first arose.

8.3.6 The allocation of costs of arbitration shall be considered and determined by the panel in connection with its decision, and, for example, the entire costs of such proceeding, including reasonable attorneys' fees (for in-house and outside counsel) may be awarded to the prevailing Party.

8.3.7 The United States District Court for the Northern District of California or a Superior Court of the State of California may enter judgment upon the panel's decision, either by confirming the decision or by vacating, modifying, or correcting the decision. The Court may vacate, modify, or correct any such decision only: (i) if there exist any of the grounds referred to in the United States Arbitration Act, or (ii) to the extent that the panel's conclusions of law are erroneous.

8.3.8 In the event it is necessary to enforce an arbitration award, all costs of enforcement, including reasonable attorneys' fees (for in-house and outside counsel), shall be payable to the prevailing Party.

8.4 The resolution of disputes subject to this Section 8 shall be governed, and the arbitrators shall render their decision in accordance with, the substantive laws of the State of California, without regard to its choice of law rules. Notwithstanding the foregoing, questions concerning the arbitrability of any issue under this dispute resolution clause shall be governed exclusively by the United States Arbitration Act.

8.5 Neither Party shall be liable under this GTSA for any punitive or exemplary damages.

9. FORCE MAJEURE

9.1 The term "force majeure," as employed herein, shall mean acts of God, strikes, lockouts or other industrial disturbances, acts of the public enemy, wars, blockage, insurrection, riots, epidemics, landslides, lightning, earthquakes, fires, storms, floods, high water, washouts, civil disturbances, explosions, breakage or accident to machinery or lines of pipe, the necessity for making non-routine repairs, non-routine alterations to machinery or lines of pipe, freezing lines of pipe, acts of civil or military authority (including, but not limited to, courts, or administrative or regulatory agencies), and any other cause, whether of the kind herein enumerated or otherwise, not within the control of the Party claiming suspension and which, by the exercise of due diligence, that Party is unable to prevent or overcome.

9.1.1 It is understood and agreed that the settlement of strikes or lockouts shall be entirely within the discretion of the Party having the difficulty, and the above requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes or lockouts when such course is inadvisable in the discretion of the Party having the difficulty.

9.1.2 It is understood and agreed that "force majeure" as used herein shall not include, nor are exclusions limited to, scheduled and routine maintenance and repairs of machinery and lines of pipe, operational flow orders or emergency flow orders in accordance with PG&E gas Rule 14, financial considerations, or the unavailability of upstream or downstream transportation or supply.

GAS TRANSMISSION SERVICE AGREEMENT

9.2 In the event Customer or PG&E is rendered unable, wholly or in part, by force majeure to carry out its obligations under this GTSA, it is agreed that, upon such Party giving notice and reasonably full particulars of such force majeure in writing (or by facsimile or telephone if confirmed in writing within seventy-two (72) hours) to the other Party within five (5) business days of the onset of the force majeure condition, then the obligations of the Party giving such notice, so far as they are affected by such force majeure, shall be suspended during the continuance of the effects of the cause, and the Party subject to such cause shall remedy it so far as possible with all reasonable dispatch; provided, however, that no force majeure shall be cause for delay in the payment for services rendered prior to its inception.

10. NOTICE

10.1 Unless expressly provided herein to the contrary, any notice called for in this GTSA shall be in writing and shall be considered as having been given if delivered by e-mail with read receipt verification, facsimile (if followed in a timely manner by confirming documents), courier, or registered mail, with all postage or charges prepaid, to either PG&E or Customer at the address designated below.

10.2 Routine communications, including monthly statements and payment, shall be considered duly delivered when received by e-mail with read receipt verification, posted electronically on PG&E's Website, ordinary mail or by facsimile (if confirmed by telephone communication and followed by confirming documents).

10.3 Customer's daily nominations shall be considered as duly delivered when received by facsimile, posted electronically on PG&E's Website or electronic data interchange.

10.4 The addresses of the Parties to be used for notices are as follows:

Formal Communications, Offers and Acceptances

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Title)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxxxx@pge.com

Billing Communications

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Title)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxxxx@pge.com

GAS TRANSMISSION SERVICE AGREEMENT

Payments

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

PG&E Billing Center
c/o Payment Research
885 Embarcadero Drive
West Sacramento, CA 95605-1503
Telephone No.: (800) 343-4743
e-mail: xxxxxx@pge.com

Operating Communications

Name: _____
Company: _____

Department: _____
Address: _____

Telephone No.: _____
Facsimile No.: _____
e-mail: _____

Pacific Gas and Electric Company
(Department)
(Mailing Address)
(City, State, Zip Code)
Telephone No.: (xxx) xxx-xxxx
Facsimile No.: (xxx) xxx-xxxx
e-mail: xxxxxx@pge.com

10.5 Either Party may from time to time change or designate any other name or address for such purposes upon timely notice by the Party requesting such change.

11. ADDITIONAL PROVISIONS

11.1 This GTSA and the obligations of the Parties hereunder shall be controlled by, interpreted, and construed in accordance with the laws of the state of California without regard to the principles of conflicts of law or other principles that might refer the governance of the construction of this GTSA to the law of another jurisdiction.

11.2 This GTSA in all respects shall be and remains subject to applicable PG&E gas Rules and Rate Schedules in effect during the term of this GTSA as they may change from time to time.

11.3 PG&E shall not be required to perform or to continue to perform service under this GTSA if Customer becomes insolvent, or fails to establish or confirm its creditworthiness within a reasonable period following PG&E's request. Customer agrees to provide PG&E, initially and on a continuing basis as requested by PG&E, evidence of Customer's creditworthiness as a condition of Customer's eligibility to receive service under this GTSA.

11.4 No consent or waiver, express or implied, by either Party to any breach or default by the other Party in the performance of obligations hereunder shall be deemed or construed to be a consent to or waiver of any other breach or default, whether of a like or of a different character. Failure on the part of either Party to complain of any act or failure to act by the other Party or to declare the other Party in default, regardless of how long such failure continues, shall not constitute a waiver by such Party of any of its rights hereunder.

11.5 No Party shall be obligated to finance, construct, add to, alter, or modify any facilities in connection with the receipt or performance of services pursuant to this GTSA.

11.6 This GTSA is intended to be solely for the benefit of the Parties and their permitted successors and assigns, and, except as may be specifically set forth herein, is not intended to and shall not be construed to confer upon any other party any other rights or benefits. Nothing in this GTSA shall be construed to create any duty to, any standard of care with reference to, or any liability to any third party.

GAS TRANSMISSION SERVICE AGREEMENT

11.7 Nothing in this GTSA shall be deemed to create any rights or obligations between the Parties hereto after the termination or expiration of this GTSA; however, termination or expiration of this GTSA shall not relieve either Party of the obligation to correct any volume imbalances, or relieve Customer of the obligation to pay any amounts due to PG&E for service provided prior to the date of termination or expiration.

11.8 PG&E shall have no liability to any Customer, or any assignee thereof, for any curtailment or interruption of service or losses of gas pursuant to this GTSA, PG&E's gas Rules or Rate Schedules. The liability of PG&E for any curtailments or interruptions or gas losses otherwise arising out of mistakes, omissions, interruptions, delays, errors or defects in any of the gas services or facilities furnished by PG&E shall in no event exceed an amount equal to any applicable pro rata charges for the period during which the services or facilities are affected by the mistake, omission, interruption, delay, error or defect and under no circumstances shall PG&E be liable to Customer, or assignee thereof, for consequential, indirect or punitive damages for an interruption or curtailment of service or losses of gas, whether arising in contract, Tort (including negligence) or otherwise; provided, however, that the provisions hereof shall not apply to damages caused by willful misconduct, fraudulent conduct or violations of law.

11.9 Unless otherwise provided, all substances, whether or not of commercial value and including all liquid hydrocarbons of whatever nature, that PG&E recovers in the normal course of providing service to Customer hereunder, shall be PG&E's sole property, and PG&E shall have no obligation to account to Customer for any value that may attach or be said to attach to such substances.

11.10 Any provision of this GTSA that is prohibited by or unenforceable in any applicable jurisdiction shall, as to that jurisdiction, be ineffective to the extent of that prohibition or unenforceability without invalidating the remaining provisions hereof or affecting the validity or enforceability of that provision in any other jurisdiction.

11.11 PG&E may accept facsimile copies of this GTSA and any other notices or agreements hereunder, and the same shall be binding on Customer as though they were original signed documents. PG&E may accept the signature of any representative of Customer on any such agreement or notice, and the same shall be binding on Customer without any obligation on PG&E's part to verify that the person so signing has authority to bind Customer provided that Customer may, and has the affirmative obligation to, provide PG&E with a list of people authorized by Customer to execute such documents or agreements with PG&E, and, if Customer provides such a list, PG&E shall limit its acceptance of and reliance on such documents accordingly.

11.12 This GTSA and the Exhibits executed by Customer and PG&E under this GTSA constitute the entire agreement of the Parties on the matters set forth herein, and may be amended or modified only by an instrument in writing executed by both Parties (except changes to names and addresses in Paragraph 10.4.

IN WITNESS WHEREOF, the Parties hereto have caused this GTSA to be executed and in effect.

FOR CUSTOMER

FOR PACIFIC GAS AND ELECTRIC COMPANY

Signature _____
Name _____
Date _____

Signature _____
Name _____
Date _____

Title of Authorized Representative

Title of Authorized Representative

Incorporated Attachment(s): Applicable Exhibit(s)

Gas Rules 1, 14, 21, 25, 26, 29 are available at www.pge.com/tariffs

Please contact a CGT Account Manager at 1-800-343-4743 if you do not have access to a computer to view our Web Tariff Book or if you have difficulty opening the link



GAS RULE NO. 1
DEFINITIONS

Sheet 1

ABNORMAL PEAK DAY (APD): An Abnormal Peak Day (APD) is the coldest day which could reasonably be expected to occur within the PG&E system for planning purposes and is based on the coldest day of record for the PG&E territory.

ADVANCED ELECTRICAL DISTRIBUTED GENERATION: Any electric distributed generation technology that generates electricity and meets all of the conditions in Public Utilities Code (PUC) Section 379.8. The conditions are:

1. Meets emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program,
2. Produces de minimis emissions of sulfur oxides and nitrogen oxides,
3. Meets greenhouse gases emission performance standards pursuant to PUC Section 8341,
4. Has a total electrical efficiency of not less than 45 percent,
5. Is sized to meet generator's onsite electrical demand,
6. Has parallel operation to the electrical distribution grid.

The provisions of Assembly Bill 1110 which added PUC Section 379.8 to the Public Utilities Code, as amended by Assembly Bill 796, do not apply to Advanced Electrical Distributed Generation technology that is first operational at a site on or after January 1, 2016.

(T)
(T)

ALTERNATIVE FUEL: Any fuel, gaseous, liquid, or solid, that may be used in lieu of ~~natural~~ gas. Electricity shall not be considered as an alternative fuel for purposes of conversion.

ANNUAL CONTRACT QUANTITY (ACQ): The annual gas delivery quantity contracted for during each contract year as specified in a service agreement.

APPLICANT: A person or agency requesting PG&E to supply gas service.

APPLICATION: A written request to PG&E for gas service; not an inquiry as to the availability or charges for such service.

AVERAGE DAILY QUANTITY (ADQ): The monthly contracted quantity divided by the number of Customer's operating days in that month.

AVERAGE MONTHLY USE: The total amount of gas used under each rate schedule(s) during the 12 billing months ending with the current billing month, divided by 12. If the Customer does not have 12 billing months of use under a noncore rate schedule, the average monthly use will be determined by dividing the cumulative gas use by the number of billing months since service was initiated.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 3

BALANCING SERVICE: A best-efforts service to accommodate imbalances between actual Customer usage and Customer-owned gas delivered to PG&E.

BASELINE: A rate structure mandated by the California Legislature and implemented at PG&E in 1984 that ensures all residential customers are provided a minimum necessary quantity of gas at the lowest possible cost.

BILLING CYCLE: The regular interval at which a bill for gas service is rendered; typically spans a 27-to-33 day period.

BIOGAS: Biogas is created when waste obtained from non-hazardous landfills, dairies, sewage treatment plants, and other sources decomposes or is treated. (T)
(T)

BIOMETHANE: Biomethane is produced by processing or upgrading Biogas to increase the percentage of methane in the gas by removing carbon dioxide and other trace components to meet the standards for injection into a common carrier pipeline. (T)
Biomethane does not include biogas collected from a hazardous waste landfill, as defined in Health & Safety Code §25117.1. Biomethane must be free from bacteria, pathogens and any other substances injurious to utility facilities, or other constituents that would cause the gas to be unmarketable. Biomethane must conform to the gas quality specifications identified in Gas Rule [Nos. 21 and 29](#), and to all other tariffs and standard utility operating practices and guidelines.

BRANCH SERVICE: A service that is not connected to a gas main and has another service as its source of supply.

BRITISH THERMAL UNIT (Btu): The standard unit for measuring a quantity of thermal energy. One Btu equals the amount of thermal energy required to raise the temperature of one pound of water one degree Fahrenheit and is exactly defined as equal to 1,055.05585262 joule, rounded to 1,055.056 joule. (A joule is equal to one watt-second.)

BROKERAGE FEE: Rates for customers, including UEG and Wholesale, who procure supply from PG&E's gas supply portfolio, include a component for the Brokerage Fee.

Btu AREA: A physically identifiable area of the gas transmission and/or distribution system in which the Btu and specific gravity of the gas is measured at a single point representative of the entire area.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 4

CALIFORNIA PRODUCTION: Gas production:

- 1. Gas from wells or a production facility for gas located in PG&E's service territory; (T)
- 2. Must meet the gas quality requirements of Gas Rule No. 21 or Gas Rule Nos. 21 and 29, subject to gas supply type; (T)
(D)
(T)
- 3. Not received by PG&E either by direct flow, by exchange, or by backhaul, at an interconnection point with another pipeline, including, but not limited to, the following interconnection points: Malin, Topock, Daggett, or Kern River Station; and (T)
- 4. Subject to a balancing agreement with PG&E (California Production Balancing Agreement, Form No. 79-944). (T)

CAPACITY: The maximum amount of ~~natural~~ gas that can be produced, transported, stored, and distributed, or utilized in a given period of time on the PG&E Backbone pipeline network or at point(s) of interconnection.

CAPACITY CONSTRAINT: A restriction or limitation at any point on PG&E's system which affects acceptance, movement, or subsequent redelivery of ~~natural~~ gas. PG&E shall be the sole judge of whether it has sufficient capacity to deliver gas to Customers.

CITYGATE: The citygate is the point at which the Backbone Transmission System connects to the Local Transmission and Distribution System.

COGENERATION: The sequential use of energy for the production of electrical and useful thermal energy. The sequence can be thermal use followed by power production or the reverse, subject to the following standards:

- 1. At least 5 percent of the facility's total annual energy output shall be in the form of useful thermal energy.
- 2. Where useful thermal energy follows power production, the useful annual power output plus one-half the useful annual thermal energy output equals not less than 42.5 percent of any ~~natural~~ gas and oil energy input.

COMMISSION: The Public Utilities Commission of the State of California, sometimes referred to as the Public Utilities Commission (PUC) or the CPUC.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 5

COMMON USE AREAS: Those areas that may be shared or used by occupants within a multifamily accommodation, including, but not limited to, laundry room, recreation room, swimming pool, tennis courts, gardens, hall/outdoor lighting.

COMPANY: Pacific Gas and Electric Company (PG&E).

COMPANY'S OPERATING CONVENIENCE: The use, under certain circumstances, of facilities or practices not ordinarily employed which contribute to the overall efficiency of PG&E's operations; the term does not refer to customer convenience nor to the use of facilities or adoption of practices required to comply with applicable laws, ordinances, rules, regulations, or similar requirements of public authorities.

CONSUMER PRICE INDEX: The Index, as published monthly by the Bureau of Labor Statistics in its "Consumer Price Index Detailed Report"; specifically therein referred to as the "San Francisco-Oakland Consumer Price Index."

CORE END-USE CUSTOMER: A Core End-Use Customer is a Customer physically connected to the local distribution system. Core End-Use Customers normally lack alternatives to ~~natural~~ gas service. Core End-Use Customers include all residential Customers, and non-residential Customers whose ~~natural~~ gas use does not meet the minimum usage requirements specified in the noncore rate schedules, or whose gas use meets the minimum usage requirements, but do not elect to be classified as a Noncore End-Use Customer.

CORE PROCUREMENT GROUP: Core Transport Groups and PG&E's Core Gas Supply Department.

CORE TRANSPORT AGENT: An individual or company that contracts with PG&E and participating core gas transportation service Customers as the responsible agent to manage ~~natural~~ gas deliveries to PG&E on behalf of a Core Transport Group.

CORE TRANSPORT GROUP: Any combination of core Customers (individual commercial and/or residential customers) whose total gas use is greater than or equal to 120,000 therms on an annual basis. The aggregation of gas accounts into a Core Transport Group is needed for core Customers to qualify for core gas transportation service.

COST OF OWNERSHIP (COO): A monthly charge applied to special facilities to recover the cost to PG&E of operating the special facility. When applicant-financed the charge includes the cost components for operations and maintenance (O&M), administration and general expenses (A&G), property taxes, and Revenue Fees and Uncollectible (RF&U) accounts expense, and the cost of replacement facilities at no additional cost for sixty (60) years. The applicant-financed percentage is also used to calculate COO charges on unsupported distribution line extension costs. See Rule 15.E.6

(Continued)

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GAS RULE NO. 1
DEFINITIONS

Sheet 6

When PG&E-financed the monthly cost components include all of those listed above for applicant-financed special facilities plus components to cover the costs of income taxes, return on investment, and depreciation. The PG&E-financed COO is also used to calculate line extension allowances. (See Rule 15. C. 2 & C.3.)

CPUC (CALIFORNIA PUBLIC UTILITIES COMMISSION): The Public Utilities Commission of the State of California.

CUBIC FOOT OF GAS: The quantity of gas that, at a temperature of sixty (60) degrees Fahrenheit and a pressure of 14.73 pounds per square inch absolute, occupies one cubic foot.

CUSTOMER: The person, group of persons, firm, corporation, institution, municipality, or other civic body, in whose name service is rendered, as evidenced by the signature on the application, contract, or agreement for that service or, in the absence of a signed instrument, by the receipt and payment of bills regularly issued in that name, regardless of the identity of the actual user of the service.

CUSTOMER-OWNED GAS: Gas procured by the Customer which is not part of PG&E's procured supplies.

DAILY AVAILABLE CAPACITY: The maximum capacity of a pipeline system on a given day. This capacity can vary from day to day depending on the operating conditions, e.g., load pressures and ambient temperatures, and the availability of facilities and equipment, such as compressor units.

DECATHERM (Dth) (Also DEKATHERM): A unit of energy equal to ten therms, or one million Btu. (L)

DECORATIVE GAS APPLIANCES: Decorative gas appliances include, but are not limited to, artificial fireplace logs or decorative gas lighting, and do not provide space or water heating. |

DELIVERY POINT(S): The point(s) on PG&E's pipeline system where PG&E delivers ~~natural~~ gas that it has transported to the Customer. |

DISPLACEMENT RECEIPT POINT CAPACITY: Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point but do not increase the overall downstream capacity of the Utility's pipeline system. The addition of Displacement Receipt Point Capacity increases the ability of the Utility to receive gas from a particular Receipt Point or zone in competition with other gas supplies diverted into the Utility's pipeline system. (L)

DISTRIBUTION SYSTEM: Generally, mains, service connections, and equipment that carry or control the supply of ~~natural~~ gas from point of local supply to and including the meter.

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 7

ELECTRIC-UTILITY START-UP AND IGNITOR FUEL: Electric utility ~~natural~~-gas use where no alternative-fuel capability exists for: (a) heating the boiler system adequately during start-up to enable efficient oil burning to meet pollution standards; and (b) insuring continuous ignition and flame stabilization within the boiler.

EMERGENCY CONSUMER PROTECTION PLAN: Pursuant to CPUC directives and advice letters listed below, residential and non-residential customers in areas where a state of emergency proclamation is issued by the California Governor's Office or the President of the United States due to a disaster that affects utility services are eligible for applicable measures under PG&E's Emergency Consumer Protection Plan.

(T)
(T)

The Emergency Consumer Protection Plan includes:

Measure for Impacted¹ Customers.

- Stop estimated usage for billing attributed to the period account was unoccupied due to disaster* (Gas Rule 9).
- Offer favorable payment plan as needed to impacted customers, including customers with employment impacted by a disaster[†] (Gas Rule 11).
- Offer Low income support measures[†] (Gas Rule 19.1, 19.2 and 19.3).

Additional Emergency Measure for Red-Tagged² Customers.

- Discontinue billing and prorate the minimum delivery charges* (Gas Rule 9).
- Suspend disconnections for non-payment[†] (Gas Rule 11).
- Waive reconnection fees and return check fees[†] (Gas Rule 11).
- Waive security deposit for reestablishment of service[†] (Gas Rule 6).
- Expedite move-in and move-out service requests.[‡]
- Ability to reestablish service under a prior rate schedule as long as the rate schedule is still available and has not been retired[‡] (Gas Rule 12).

¹ Impacted customers live within 2 miles of the fire-impacted perimeter as designated by CAL FIRE.

² Red-tagged customers have homes or businesses that are unserviceable because of the disaster.

* On a one-time per event basis.

[†] For 12 months from the date the Governor issues state of emergency proclamation.

[‡] For 12 months from the date the Governor issues state of emergency proclamation and until services are restored (once permanent electric or gas meter is installed/set).

(Continued)



**GAS RULE NO. 1
DEFINITIONS**

Sheet 10

END-USE CUSTOMER: See CORE END-USE CUSTOMER and NONCORE END-USE CUSTOMER.

(L)

ELECTRONIC BILLING: A billing method whereby at the mutual option of the Customer and PG&E, the Customer elects to receive, view, and pay bills electronically and to no longer receive paper bills.

ELECTRONIC PRESENTMENT: When made available or transmitted electronically to the Customer at an agreed upon location.

ENERGY PUBLIC UTILITY: Investor-owned electric and/or natural gas public utility regulated by the California Public Utilities Commission, or a municipal utility.

ENHANCED OIL RECOVERY: Any operation which includes the use of gas as a fuel to pressure, cycle or inject steam or hot water into a well for the purpose of increasing oil production from that well, including gas used for cogeneration to promote these operations.

EXPANSION RECEIPT POINT CAPACITY: Utility pipeline system improvements which increase the takeaway capacity from a Receipt Point and the overall downstream capacity of the Utility's pipeline system.

GAS: Any mixture of combustible and non-combustible gases or vapor, or combustible mixture of gaseous constituents used to produce heat by burning that can be accepted into a Utility pipeline without any compromise to operational safety or integrity. It shall include, but not be limited to, natural gas, renewable gas, biomethane, gas manufactured gas, from coal or oil, Biomethane, or a mixture of any or all of the above. It shall meet the Utility's quality specifications, tariffs, rules and other applicable regulations.

HEATING VALUE: The term "heating value" as used in these rules shall mean total heating value of the gas normally measured on a dry basis (unless otherwise specified), and is defined as the number of British Thermal Units evolved by the complete combustion, at constant pressure, of one standard cubic foot of gas with air, the temperature of the gas, air and products of combustion being 60 degrees Fahrenheit and all of the water formed by the combustion reaction being condensed to the liquid state.

(L)

HOUSING PROJECT: A building or group of buildings located on a single premises and containing residential dwelling units for which master metering of gas service at one location has been requested.

(Continued)

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November 8, 2019
November 8, 2019



GAS RULE NO. 1
DEFINITIONS

Sheet 11

INDIVIDUAL METERING: Where PG&E installs a separate service and meter for each individual residence, apartment dwelling unit, mobilehome space, store, office, etc.

INDUSTRIAL USE: Services to Customers engaged primarily in a process which creates or changes raw unfinished materials into another form or product. Industrial use is further defined as uses in the categories falling under Division B, Mining, Division C, Construction, and Division D, Manufacturing in the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget.

INTERSTATE TRANSPORTATION: Transportation of natural gas on a pipeline system under the regulation of the Federal Energy Regulatory Commission.

INTRASTATE TRANSPORTATION: Transportation of ~~natural~~ gas on the PG&E system.

LIQUEFIED PETROLEUM GAS (LPG): A gas containing certain specific hydrocarbons (such as butane or propane) which are gaseous under ambient atmospheric conditions, which can be liquefied under moderate pressure at normal temperatures.

LOCAL TRANSMISSION SYSTEM: The term Local Transmission System includes the pipeline used to accept gas from the Backbone Transmission System, and transport it to the Distribution System. For PG&E, the Local Transmission System consists of all numbered (i.e., named) pipelines that are not considered part of the Backbone Transmission System, and Distribution Feeder Mains (DFMs), with a maximum operating pressure of greater than 60 (sixty) pounds per square inch.

MAILED: A communication sent by electronic means or enclosed in a sealed envelope, properly addressed and deposited in any U.S. Post Office box, postage prepaid, or unless otherwise prescribed in California Public Utility Code §779.1 or by the CPUC⁴.

MAIN EXTENSION: The length of main and related facilities required to move gas from the existing facilities to the point of connection with the service piping.

⁴ Public Utilities Code §779.1 requires PG&E to provide a mailed, prepaid notice to customers of potential disconnection due to nonpayment at least 10 days prior to the proposed termination. In addition, pursuant to D.20-06-003, OP 15, PG&E will provide disconnection notices via email to customers who have opted to receive electronic communications.

(T)

(N)

(N)

(Continued)



GAS RULE NO. 1
DEFINITIONS

Sheet 12

MASTER-METERING: Where PG&E installs one service and meter to supply more than one residence, apartment dwelling unit, mobilehome space, store, office, etc.

(L)

MAXIMUM DAILY QUANTITY (MDQ): The maximum quantity of ~~natural~~ gas that can be nominated daily, as specified in the Customer's Natural Gas Service Agreement or Gas Transmission Service Agreement.

MERCHANTABILITY: The ability to purchase, sell, or market Gas. The Gas shall not contain dust, sand, dirt, gums, oils, microbes, bacteria, pathogens and/or other substances at levels that would be injurious to Utility facilities or which would present a health and/or safety hazard to Utility employees, customers, and/or the public or that would cause Gas to be unmarketable.

METER: The instrument owned and maintained by PG&E that is used for measuring the ~~natural~~ gas delivered to the Customer.

MIXED USE: Existing customers with a mix of residential and non-residential uses (mixed use) will be presumed to be on an applicable rate. However, if the predominate use is demonstrated to be more than 50% of the designated billing classification (residential or non-residential), then the rate may be changed to the billing classification applicable to the predominate use if the billing classification is consistent with the local governmental entity's treatment of the Premise as residential or non-residential (e.g. commercial). For purposes of determining predominate use, all common area usage will be considered residential usage regardless of whether the customer has elected a residential or non-residential billing classification for that common area usage under PG&E's tariffs. To the extent a Residential Dwelling Unit has both gas and electric service, all of the services must be served under the same billing classification. A customer however, has the obligation to notify PG&E if the billing classification is no longer consistent with the predominant use on the meter. PG&E has no obligation to change rates until such notification is received. Rate change obligations shall be prospective only unless PG&E failed to act on a customer notification in a timely fashion. If a notification occurs and there is a failure to act on PG&E's part, then such failure to act will be treated as a billing error under Rule 17.1 1.

(L)

(Continued)

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GAS RULE NO. 14

Sheet 1

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

A. GENERAL

PG&E may reduce, interrupt, or allocate ~~natural~~ gas transportation, storage or supply services for operational reasons or to comply with regulatory requirements in the event of projected or actual supply or capacity shortages. (T)

Capacity allocation is a reduction or adjustment of the nominations at a specific Receipt Point to match the capacity available at the Receipt Point or the capacity available in transmission facilities connected to the Receipt Point. A Delivery Point service restriction is a reduction of the daily quantity delivered for the Customer or temporary interruption of the Customer's service. A Customer's intrastate service choices will affect the frequency and duration of capacity allocations and delivery point service restrictions.

PG&E will exercise reasonable diligence and care to furnish and deliver continuous service and a sufficient quantity of gas to Customers, but PG&E does not guarantee continuity of service or sufficiency of quantity. PG&E shall not be liable for interruption, shortage, or insufficient supply, or any loss or damage of any kind or character caused by such, if caused by accident, act of God, fire, strikes, riots, war, or any other cause that is beyond PG&E's reasonable control except that arising from PG&E's failure to exercise reasonable diligence. PG&E shall be the sole judge of whether it is operationally able to receive and/or deliver gas, consistent with regulatory requirements. PG&E shall not be liable to Customer for damages, or otherwise, as the result of any interruption, reduction, or allocation of gas transportation capacity or delivery service. (T)

PG&E may, in the exercise of reasonable judgment, reduce receipts or deliveries of ~~natural~~ gas in order to test, alter, modify, enlarge, or repair any part of the PG&E system or any facility or property related to the operation of the PG&E system. In all such cases, PG&E shall give Customers reasonable notice as circumstances will permit, and PG&E shall complete such repairs or improvements as soon as practicable and with minimal inconvenience to Customers. (T)

(D)

(Continued)

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GAS RULE NO. 14 Sheet 2
CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

B. RECEIPT POINT CAPACITY ALLOCATION

1. ALLOCATION BECAUSE OF NON-CONFORMANCE OF GAS TO PG&E'S SPECIFICATIONS (T)

PG&E has the right and responsibility to maintain the quality standards of the gas in its system. PG&E may refuse to accept gas or to accept limited amounts of gas if the gas is not of the quality required for service to PG&E Customers. PG&E shall be the sole judge of the ability of its system to accept any such gas not conforming to its specifications. (See Gas Rules 21 and 29, subject to gas supply type. for quality standards.)

2. ALLOCATION DUE TO LOCAL CONSTRAINTS

PG&E may reduce the amount of gas PG&E receives on the Customer's behalf due to operating conditions or regulatory requirements affecting all or a portion of PG&E's system. PG&E will take whatever steps it determines are operationally appropriate in the event a constraint on PG&E's local transmission or distribution facilities threatens service to Customers. In the event an Emergency Flow Order (EFO) is ordered due to a local constraint, EFO charges may apply, but involuntary diversion charges will not apply. (See Sections F and G, below.)

3. ALLOCATIONS DUE TO CONSTRAINTS AT INTERCONNECTION POINTS

a. BACKBONE TRANSMISSION SYSTEM RECEIPTS

In the event PG&E reduces receipt of gas supplies at a Backbone Transmission System interconnection point because of operating conditions or regulatory requirements, PG&E will allocate receipt capacity at the Backbone Transmission System interconnection point in the order of priorities set forth in Section D.

(Continued)



GAS RULE NO. 14

Sheet 3

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

B. RECEIPT POINT CAPACITY ALLOCATION (Cont'd.)

3. ALLOCATIONS DUE TO CONSTRAINTS AT INTERCONNECTION POINTS (T)
(Cont'd.)

b. TRANSPORTATION TO STORAGE (N)

In the event PG&E reduces injection of gas supplies to storage because of operating conditions or regulatory requirements, transportation priority to storage will be determined by the Customer's Gas Transmission Service Agreement (GTSA) (Form No. 79-866), and injection priority at PG&E's storage interconnection will be determined by the Storage Exhibit of the Customer's GTSA, in the order of priorities set forth in Section D.

c. STORAGE WITHDRAWAL AND TRANSPORTATION FROM STORAGE

In the event PG&E reduces withdrawal of gas supplies from storage because of operating conditions or regulatory requirements, transportation priority from storage to the delivery point will be determined by the Customer's GTSA, and withdrawal priority at PG&E's storage interconnection will be determined by the Storage Exhibit of the Customer's GTSA, in the order of priorities set forth in Section D.

4. OPTION(S) WHEN NOMINATIONS ARE REDUCED

In the event PG&E reduces its receipt of Customer-~~O~~wned gas for any reasons cited above, the Customer must, in the alternative, obtain third-party gas supplies, stop receiving service, or receive supplies subject to Schedule G-BAL, if this service is available. (T)
(T)

(D)

(Continued)



GAS RULE NO. 14

Sheet 4

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

C. DELIVERY POINT SERVICE RESTRICTIONS

(N)

1. REASONS FOR SERVICE RESTRICTIONS

a. OPERATING CONSTRAINTS

PG&E may interrupt or reduce delivery of ~~natural~~ gas in the event of projected or actual capacity constraints or projected or actual supply shortages on the PG&E system, subject to the priorities set forth in Section D.

b. LOCAL CONSTRAINTS

In the event of localized constraints, Customers in unconstrained areas may continue to receive service; provided, however that PG&E may take whatever steps it determines are operationally necessary in the event a constraint on local transmission or distribution threatens service to Customers. This includes curtailment of Noncore End-Use Customers.

To the extent feasible, PG&E will use the Backbone Transmission System priority of service procedures to prioritize Noncore End-Use Customers in the affected service area. In the event an Emergency Flow Order (EFO) is ordered due to a local constraint, EFO charges may apply, but involuntary diversion charges will not apply. (See Sections F and G, below.)

c. OPERATING/REGULATORY CONSTRAINTS

In the event PG&E reduces delivery of gas supplies at any delivery point because of operating conditions or regulatory requirements, PG&E will allocate delivery capacity at the delivery points in the order of priorities set forth in Section D.

(N)

(Continued)

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GAS RULE NO. 14

Sheet 5

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

C. DELIVERY POINT SERVICE RESTRICTIONS (Cont'd.)

(N)

1. REASONS FOR SERVICE RESTRICTIONS (Cont'd.)

d. SUPPLY SHORTFALLS

In the event the quantity of gas received by PG&E from an interstate pipeline is less than the confirmed nominations to that interstate pipeline, PG&E will allocate the gas actually received by PG&E in accordance with the nomination priorities designated by the nominating party on the Backbone Transmission System.

To the extent that the interstate pipeline's records are subsequently determined to support a different allocation, then an adjustment will be made to the Customer's account.

2. PROCEDURES TO IMPLEMENT DELIVERY POINT SERVICE RESTRICTIONS

a. NOTICE

PG&E shall attempt to give the Customer, or its Authorized Agent, 24-hour notice of an impending service restriction, or at a minimum, as much notice as is reasonably possible under the circumstances.

b. SEQUENCE

During a service restriction, service will be prioritized as set forth in Section D.

(N)

(Continued)



GAS RULE NO. 14

Sheet 6

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE

1. TRANSMISSION RECEIPT POINTS

- a. For Lines 300/400/401, PG&E will allocate service on the Backbone Transmission paths, Baja, Redwood and Mission, in the following order:
 - 1) All Firm service at all receipt points on a defined transmission path will be treated equally, with pro rata allocation of nominations, if necessary.
 - 2) When no constraints exist for As-Available service, such service will be scheduled as follows:
 - a) Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis.
 - b) The Redwood Path and Baja Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.
 - 3) When constraints exist for As-Available service for Redwood Path (Line 400/401) and/or Baja Path (Line 300), such service will be scheduled as follows:
 - a) Redwood Path Allocation (Line 400/401): (T)
 - i) The initial allocation of Line 400/401 As-Available capacity will be prorated based on each impacted independent storage provider's Net Withdrawal Nominations affecting the Redwood path capacity and Redwood path As-Available nominations. Net Withdrawal Nominations affecting the Redwood path capacity are defined as: the total withdrawal nominations less any injection nominations and less PG&E's ability to place withdrawal gas directly into a local transmission system. (T)

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 7

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.) (N)

3) (Cont'd.)

a) Redwood Path Allocation (Line 400/401) (Cont'd.) (T)

i) (Cont'd.) (T)

For the purpose of allocating Line 400/401 As-Available capacity, Net Withdrawal Nominations affecting the Redwood path capacity from an independent storage provider will be limited to the independent storage provider's maximum certificated withdrawal capacity, less PG&E's ability to place the gas directly into a local transmission system. Redwood Path As-Available nominations will be limited to the Line 400/401 As-Available capacity.

ii) After the initial allocation of Line 400/401 As-Available capacity to the Redwood Path, the total receipt volume at Redwood path receipt points on Line 400/401 is calculated as the sum of the firm nominations and allocated As-Available capacity. After the receipt volume at Redwood path receipt points is established, PG&E will determine the maximum additional storage withdrawals affecting Line 400/401 that can be accommodated. (T)

If PG&E can accommodate additional withdrawals, this capacity will be allocated to each independent storage provider based on the same limited Net Withdrawal Nominations affecting Line 400/401 used in Section a)i) above. The total capacity for each independent storage provider used for scheduling nominations will be the sum of the final capacity for delivery affecting Line 400/401 plus the amount that PG&E can place into the Local Transmission System. (T)

(L)

(Continued)



GAS RULE NO. 14

Sheet 8

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.) (N)

3) (Cont'd.)

a) Redwood Path Allocation (Line 400/401) (Cont'd.)

iii) After the total capacity for each storage provider is determined, the withdrawal nominations from each storage provider will be scheduled as follows: (L) (T)

Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis. (L)

iv) The Redwood Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first. (T)

b) Baja Path Allocation (Line 300): (T)

i) The initial allocation of Baja Path As-Available capacity will be prorated based on each impacted independent storage provider's¹ Net Withdrawal Nominations affecting the Baja Path capacity and Baja Path As-Available nominations. Net Withdrawal Nominations affecting the Baja Path capacity are defined as: the total withdrawal nominations less any injection nominations and less PG&E's ability to place withdrawal gas directly into a local transmission system. (T)

(L)

¹ If a Baja Path allocation process is necessary, Gill Ranch Storage withdrawals will include PG&E's owned storage withdrawal portion from the Gill Ranch Storage field.

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 9

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.) (N)

3) (Cont'd.)

b) Baja Path Allocation (Line 300) (Cont'd.): (T)

i) (Cont'd.) (N)

For the purpose of allocating Line 300 As-Available capacity, Net Withdrawal Nominations affecting the Baja path capacity from an independent storage provider will be limited to the independent storage provider's maximum certificated withdrawal capacity, less PG&E's ability to place the gas directly into a local transmission system. Baja Path As-Available nominations will be limited to the Line 300 As-Available capacity. (L)(T)
|
(L)

ii) After the initial allocation of Line 300 As-Available capacity to the Baja Path, the total receipt volume at Baja Path receipt points on Line 300 is calculated as the sum of the firm nominations and allocated As-Available capacity. After the receipt volume at Baja Path receipt points is established, PG&E will determine the maximum additional storage withdrawals affecting Line 300 that can be accommodated. (T)

If PG&E can accommodate additional withdrawals, this capacity will be allocated to each impacted independent storage provider based on the same limited Net Withdrawal Nominations affecting Line 300 used in Section b)i) above. The total capacity for each independent storage provider used for scheduling nominations will be the sum of the final capacity for delivery affecting Line 300 plus the amount that PG&E can place into the Local Transmission System. (T)

(Continued)



GAS RULE NO. 14

Sheet 10

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

a. (Cont'd.) (N)

3) (Cont'd.)

b) Baja Path Allocation (Line 300) (Cont'd.) (T)

iii) After the total capacity for each storage provider is determined, the withdrawal nominations from each storage provider will be scheduled as follows: (T)

Mission Path off-system As-Available service first according to contract price,* with the lowest contract price interrupted first. The Mission Path on-system As-Available service will then be scheduled with all nominations allocated on a pro rata basis.

iv) The Baja Path As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first. (T)

b. For all other Backbone Transmission paths, PG&E will allocate service on the Backbone Transmission path in the following order:

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 11

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

1. TRANSMISSION RECEIPT POINTS (Cont'd.)

b. (Cont'd.)

- 1) All Firm service at all receipt points on a defined transmission path will be treated equally, with pro rata allocation of nominations, if necessary.
- 2) All other As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

2. TRANSMISSION DELIVERY POINTS

(T)

PG&E will allocate service on the Backbone Transmission System in the following order:

- a. All Firm service at a given delivery point will be treated equally, with pro rata allocation of nominations, if necessary;
- b. As-Available service will be scheduled according to contract price,* with the lowest contract price interrupted first.

* Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement.

(Continued)



GAS RULE NO. 14

Sheet 12

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

3. PG&E STORAGE INJECTION AND TRANSPORTATION TO STORAGE (T)

- a. Transportation priority to PG&E storage will be determined by the Customer's Gas Transmission Service Agreement (Form 79-866) (GTSA) utilized to transport the gas to storage.
- b. Injection priority at PG&E's storage facilities will be determined by the Storage Exhibit of the Customer's GTSA, as follows:
 - 1) All PG&E Firm storage service (treated equally, with pro rata allocation of nominations, if necessary);
 - 2) PG&E As-Available storage service (scheduled according to contract price,* with the lowest contract price for injection interrupted first).

4. PG&E STORAGE WITHDRAWAL AND TRANSPORTATION FROM STORAGE (T)

- a. Transportation priority from PG&E storage to the delivery point will be determined by the Customer's GTSA utilized to transport the gas from storage.
- b. Withdrawal priority at PG&E's storage facilities will be determined by the Storage Exhibit of the Customer's GTSA, as follows:
 - 1) All PG&E Firm storage service (treated equally, with pro rata allocation of nominations, if necessary);
 - 2) PG&E As-Available storage service (scheduled according to contract price,** with the lowest contract price for withdrawal interrupted first). (T)

** Contract price equals the per unit Usage Charge specified in the applicable exhibit of the Gas Transmission Service Agreement. (T)

(Continued)



GAS RULE NO. 14

Sheet 13

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

D. PRIORITY OF SERVICE (Cont'd.)

5. SCHEDULING PRIORITY OF MARKET CENTER SERVICES (T)

- a. All Market Center Agreement exhibits are subject to PG&E's sole determination that sufficient daily operational capacity permits PG&E to perform the requested Market Center transaction.
- b. Should operational constraints prohibit execution of all Market Center transactions, PG&E shall schedule nominations for Market Center services in the following order of transaction categories, from highest to lowest priority, as follows:
 - 1. Repay of Lend
 - 2. Unpark
 - 3. Park
 - 4. Lend

Nominations within each of the four transaction categories shall be scheduled according to contract price*** with the lowest contract price being constrained first. (T)

In the event that two or more requests for the same Market Center service, at the same contract price, are identical during a period of limited availability, authorization shall be granted on a first-come, first-served basis. PG&E shall authorize service for the Customer making the first request in date and time, as measured by the date and time of PG&E's receipt of the Customer's signed exhibit. If the Customers' requests for service are identical in contract price, date, and time received, then authorization shall be resolved by lottery. (T)

*** Contract price, as used here, equals the per unit Usage Charge specified in the applicable Market Center Schedule G-PARK or G-LEND, normalized to equivalent units (T)

(Continued)



GAS RULE NO. 14

Sheet 14

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

E. OPERATIONAL FLOW ORDERS (OFO)

In order to protect the integrity of its pipeline system, PG&E will issue and implement system-wide, local, or Customer-specific Operational Flow Orders (OFO). PG&E will issue an OFO for a Gas Day if, on the day prior to this Gas Day, PG&E's forecast of pipeline inventory for the Gas Day is either below the Lower Pipeline Inventory Limit or above the Upper Pipeline Inventory Limit. At such time as PG&E issues an OFO, Balancing Agents will be required to balance supply and demand on a daily basis within a specified tolerance band or be subject to charges for noncompliance. PG&E may elect not to issue an OFO for a Gas Day if the forecast of pipeline inventory for the day following that Gas Day indicates the pipeline inventory will return to within the Pipeline Inventory Limits without the assistance of an OFO.

The Lower and Upper Pipeline Inventory Limits may be revised as needed by PG&E to maintain the safety and reliability of the pipeline system. These changes, along with a supporting explanation, will be posted to the Pipe Ranger Web site.

The tolerance band will be a percentage of the usage, as defined below.

PG&E may implement multi-stage OFO provision charges, as follows:

	Tolerance Band	Noncompliance Charge Per Decatherm	
Stage 1:	up to +/-25%	\$0.25	
Stage 2:	up to +/-20%	\$1.00	
Stage 3:	up to +/-15%	\$5.00	
Stage 4:	up to +/-5%	\$25.00	
Stage 5:	up to +/-5%	\$25.00 plus DCI****	(T)

**** The DCI is the PG&E Daily Citygate Index Price as published in Gas Daily, rounded up to the next whole dollar. If the price is not published on a given day, the previous published price will apply. (T)

(Continued)



GAS RULE NO. 14

Sheet 15

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

- E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.) (L)
- PG&E has the option, and would normally expect, to issue and implement an OFO with a one-sided tolerance band, and related non-compliance charges in one direction only (i.e., an OFO with a -25 percent (-25%) tolerance band and \$0.25 per Decatherm noncompliance charge for supply being less than usage but no tolerance band in the positive direction—supply greater than usage). Generally an initial OFO event will start at Stage 1 with a noncompliance charge of \$0.25 per Decatherm; however, an OFO event may begin at any stage with the corresponding noncompliance charge as deemed appropriate by PG&E.
- A specific Balancing Agent may start at an elevated charge level if that Balancing Agent has a history of noncompliance with prior PG&E requests or orders for the Balancing Agent to balance supply with demands. A history of noncompliance will be defined as being at least three days in any thirty-day period that a Balancing Agent has not met with prior balancing orders. The amount of the charge will be announced when PG&E issues an OFO. An OFO will normally be ordered with at least twelve (12) hours notice prior to the beginning of the gas day, or as necessary as dictated by operating conditions. Charges for the first day of the OFO event will not be imposed if notice is given after 6:00 p.m. Pacific Time the day prior to the start of the OFO event. (L)

(Continued)

Advice 3124-G
Decision

Issued by
Jane K. Yura
Vice President
Regulation and Rates

Date Filed June 3, 2010
Effective October 1, 2010
Resolution



GAS RULE NO. 14

Sheet 16

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.)

1. OFO NONCOMPLIANCE CHARGE EXEMPTION: (T)

If a Balancing Agent's OFO noncompliance charge is calculated to be less than or equal to 1,000 Dth for an OFO, the noncompliance charge will be exempted and the charge will be zero. If the noncompliance charge is greater than 1,000 Dth, the Balancing Agent will be responsible for the full noncompliance charge; i.e., 1,000 Dth will not be deducted from the calculated noncompliance charge. This exemption provision only applies to OFO noncompliance charges.

As ordered in Decision 01-02-049, PG&E shall waive any OFO noncompliance charges incurred by core customers whose gas is procured by PG&E if: 1) PG&E has implemented an Involuntary Diversion of noncore gas supplies (see Section G, below; and 2) due to PG&E's lack of credit, PG&E is unable to procure sufficient core gas supplies directly from suppliers.

2. OFO COMPLIANCE (T)

a. OFO compliance and charges will be based on the following: (T)

1) For a Noncore End-Use Customer with automated meter reading (AMR) capability and for PG&E's Electric Generation (EG) Department, compliance during an OFO will be based on actual daily metered usage, and the calculation after the OFO event of any applicable noncompliance charge will be based on actual daily metered usage. (T)

2) For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability at their premises), or for Noncore End-Use Customers with non-functioning AMR meters, compliance during an OFO will be based on the average daily quantity (ADQ) as specified in the Customer's NGSA. The calculation of any applicable noncompliance charges after the OFO event will be based on one of the following, whichever results in the lesser charge: (T)

a) the Customer's ADQ; or

b) the Customer's actual daily metered usage; or

c) when Customer's actual daily metered usage is not available (e.g., due to meter failure), the average daily metered usage for the affected premises will be substituted for the actual daily metered usage. The average daily metered usage is calculated by dividing the recorded monthly usage by the number of days in the billing period.

(Continued)



GAS RULE NO. 14

Sheet 17

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

E. OPERATIONAL FLOW ORDERS (OFO) (Cont'd.)

2. OFO COMPLIANCE (Cont'd.) (N)

a. OFO compliance and charges will be based on the following: (Cont'd.) (N)

3) For a Core Procurement Group (which includes PG&E's Core Gas Supply department and Core Transport Groups) (CP Group), compliance during an OFO and calculation of any OFO noncompliance charges will be based on the most recent Determined Usage, as defined in Schedule G-BAL, which has a date and time of less than or equal to 7:15:00 AM on the current gas day and was communicated to the CP Group. If the Determined Usage has a date and time greater than 7:15:00 AM on the current gas day or Determined Usage was not generated, the most recent previous forecast for the current gas day will be used. (T)

4) For a California Production Balancing Agreement (CPBA), (Form 79-944) compliance with an OFO and calculation of any OFO noncompliance charges will be based on the difference between scheduled deliveries and actual deliveries. (T)

Should PG&E's implementation of an OFO prove to be inadequate to ensure system integrity, PG&E may implement other measures including, but not limited to, implementing an Emergency Flow Order (EFO).

3. OFOs and SELF-BALANCING (T)

On OFO days, any Balancing Agent who has selected the Self-Balancing Option, pursuant to Schedule G-BAL, will be required to comply with the tolerance band specified for that OFO day. The Self-Balancing plus or minus ten percent ($\pm 10\%$) daily Imbalance tolerance will not apply on days when an OFO is in effect. A Self-Balancing Agent will not be subject to Accumulated Daily Imbalance Noncompliance Charges on high inventory OFO days if the Accumulated Daily Imbalance is negative, or on any low inventory OFO days if the Accumulated Daily Imbalance is positive. However, any imbalance that occurs on that OFO day will be included as part of the Customer's ongoing Accumulated Daily Imbalance calculation.

(Continued)



GAS RULE NO. 14

Sheet 18

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

F. EMERGENCY FLOW ORDERS (EFO)

PG&E may invoke Emergency Flow Orders (EFO) when a forecast or an actual supply and/or capacity shortage threatens deliveries to End-Use Customers.

During an EFO, End-Use Customers' usage must be less than or equal to supply for a gas day (i.e., supply must be equal to or greater than usage). With the one exception specified herein, EFOs will have a zero (0) percent tolerance and a noncompliance charge of \$50.00 plus DCI for each Decatherm of usage in excess of supply.

As ordered in Decision 01-02-049, PG&E shall waive any EFO noncompliance charges incurred by core customers whose gas is procured by PG&E if: (1) PG&E has implemented an Involuntary Diversion of noncore gas supplies (see Section G, below; and (2) due to PG&E's lack of credit, PG&E is unable to procure sufficient core gas supplies directly from suppliers.

- 1. EFO COMPLIANCE (T)
 - a. EFO compliance and charges will be based on the following: (T)
 - 1) For a Noncore End-Use Customer with automated meter reading (AMR) capability and for PG&E's EG Department, compliance during an EFO will be based on actual daily metered usage and the calculation after the EFO event of any applicable noncompliance charge will be based on actual daily metered usage. (T)
 - 2) For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability at their premises) or for Noncore End-Use Customers with non-functioning AMR meters, compliance during an EFO will be based on the average daily quantity (ADQ) as specified in the Customer's NGSA. The calculation of any applicable noncompliance charges after the EFO event will be based on one of the following, whichever results in the lesser charge: (T)
 - a) the Customer's ADQ, or (T)
 - b) the Customer's actual daily metered usage, or (T)
 - c) when Customer's actual daily metered usage is not available, the average daily metered usage for the affected premises will be substituted for the actual daily metered usage. The average daily metered usage is calculated by dividing the recorded monthly usage by the number of days in the billing period. (T)

(Continued)



GAS RULE NO. 14

Sheet 19

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

F. EMERGENCY FLOW ORDERS (EFO) (Cont'd.)

- 1. EFO COMPLIANCE (Cont'd.) (N)
 - a. EFO compliance and charges will be based on the following: (Cont'd.) (N)
 - 3) For a Core Procurement Group (CP Group), compliance during an EFO and calculation of any EFO noncompliance charges will be based on the most recent Determined Usage, as defined in Schedule G-BAL, which has a date and time of less than or equal to 7:15:00 AM on the current gas day and was communicated to the CP Group. If the Determined Usage has a date and time greater than 7:15:00 AM on the current gas day or the Determined Usage was not generated, the most recent previous forecast for the current gas day or the end-of-flow day core demand estimate, whichever results in a lower noncompliance charge will be used. (T)
 - 4) For a CPBA, compliance during an EFO and calculation of any EFO noncompliance charges will be based on the difference between scheduled deliveries and actual deliveries. (T)

With the exception of the EFO noncompliance charge waiver specified above, if PG&E invokes an involuntary supply diversion (see Section G, below) in conjunction with an EFO, an additional \$50.00 per Decatherm diversion usage charge will apply.

An EFO will normally be invoked following an Operational Flow Order (OFO), but PG&E may invoke an EFO without previously invoking an OFO if, in PG&E's judgment, emergency operating conditions exist. There shall be no minimum notice period for EFOs; however, PG&E will attempt to provide as much notification to Customers as practicable under the circumstances.

PG&E may implement other measures to ensure system integrity should an EFO fail to alleviate the emergency condition.

(Continued)



GAS RULE NO. 14

Sheet 20

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

G. DIVERSION OF CUSTOMER-OWNED GAS

When operational conditions exist such that supply is insufficient to meet demand and deliveries to Core End-Use Customers are threatened, and subject to the obligations of Core Procurement Groups to utilize all available capacity associated with supply, PG&E may divert gas supply in its system from Noncore End-Use Customers to Core End-Use Customers. Emergency Flow Order (EFO) provisions will be deemed to apply under these conditions. (See Section F.) If a Noncore End-Use Customer's supply is diverted, either involuntarily under this rule, or through a voluntary arrangement with representatives of Core End-Use or Noncore End-Use Customers, that Customer must stop or reduce its use of ~~natural~~ gas. In the event the Customer fails to stop or reduce its gas use, that Customer must pay charges as provided below.

Prior to a diversion hereunder, PG&E's Core Gas Supply department and Core Transport Agents, on behalf of their Core End-Use Customers, will use: (T)

- 1) their own firm capacity, to the extent gas supply is available;
- 2) any As-Available capacity on the system at any receipt point to the extent gas supply is available; and
- 3) capacity made available from Noncore End-Use Customers or other Backbone Transmission System Customers pursuant to voluntary supply diversion arrangements, provided that such arrangements are at prices not to exceed the costs of involuntary diversion.

In the event PG&E diverts gas for Core End-Use Customers, PG&E will not be responsible for any interstate charges associated with the diverted gas. PG&E's total cost responsibilities for diversion are limited to those set forth below.

(Continued)

Advice 3306-G
Decision

Issued by
Brian K. Cherry
Vice President
Regulation and Rates

Date Filed	June 5, 2012
Effective	July 5, 2012
Resolution	



GAS RULE NO. 14

Sheet 21

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.) (L)

1. INVOLUNTARY DIVERSIONS

PG&E may divert gas supplies from Backbone Transmission System Customers. Firm transportation to off-system is not subject to diversion. Diversions will occur in the following order:

- a. Supply scheduled under As-Available transmission service will be diverted in order of increasing transmission contract price and on a pro rata basis for all volumes transported under the same price. However, supply under scheduled deliveries from storage using As-Available transmission service will be treated as the highest priority Firm transmission service. (See G.1.c., below.)
- b. Supply scheduled to Noncore End-User Customers under Firm transmission service is diverted on a pro rata basis.
- c. Scheduled deliveries from storage using Firm or As-Available transmission service will be treated as the highest priority Firm transmission service and will be diverted on a pro rata basis.

2. INVOLUNTARY DIVERSION COMPLIANCE AND CHARGES

All Customers who use more gas during an involuntary diversion than their post-diverted supply, whether or not their gas is subject to an involuntary diversion, will be assessed involuntary diversion charges. Those customers will be deemed to be receiving involuntarily diverted supply, and therefore will be assessed a \$50.00 per Decatherm diversion usage charge, in addition to the EFO noncompliance charge. See Section F, above, for conditional waiver of only the EFO noncompliance charges for certain core customers during an involuntary diversion.

Involuntary diversion compliance and charges will be based on the following:

- a. For a Noncore End-Use Customer with automated meter reading (AMR) capability, compliance and the calculation after the involuntary diversion event of any involuntary diversion charge will be based on actual daily metered usage and the post-diverted supply. (Post-diverted supply is the original scheduled supply less the diverted volumes.) (L)

(Continued)



GAS RULE NO. 14

Sheet 22

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

- G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.) (L)
- 2. INVOLUNTARY DIVERSION COMPLIANCE AND CHARGES (Cont'd)
- b. For a Noncore End-Use Customer without AMR capability (all or part non-AMR capability) at their premises and PG&E's Electric Generation (EG) department, compliance and the calculation after the involuntary diversion event of any noncompliance charge will be based on actual usage and the post-diverted supply.
- c. For a Core Procurement Group (CP Group), compliance and the calculation after the involuntary diversion event of any involuntary diversion charge will be based on the latest available forecast from the core load forecast model for the CP Group prior to the time the event is called, up to and including a 5:00 p.m. Pacific Time Forecast, and the CP Group's original supply before involuntary diversion.
- 3. COMPENSATION FOR INVOLUNTARILY DIVERTED GAS
- Firm transmission service Customers whose gas supply is involuntarily diverted will receive a \$50.00 per Decatherm diversion credit.
- As-Available transmission service Customers whose gas supply is involuntarily diverted will receive a diversion credit based on the current market price of the diverted supply on the day it was diverted.
- The current market price will be based on an average of the published price data from Natural Gas Intelligence (NGI) and the BTU Daily Gas Wire for the PG&E interconnect points of Malin (Line 400) and Topock (Southern California Border), weighted by the supply mix of all gas received at Malin and Topock for on-system End-Use Customers for that day. (L)

(Continued)



GAS RULE NO. 14

Sheet 23

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

G. DIVERSION OF CUSTOMER-OWNED GAS (Cont'd.)

3. COMPENSATION FOR INVOLUNTARILY DIVERTED GAS (Cont'd.) (T)

If no published daily price is reported on a given day, the prior published daily price from that index service will continue to apply for that day. If an index service is no longer available, PG&E reserves the right to choose another nationally recognized index to replace it.

H. LOCAL CURTAILMENT

In the event of localized constraints, PG&E may curtail Noncore End-Use Customers in a localized area. When a local curtailment is announced, Noncore End-Use Customers will be provided a maximum allowed usage for the designated curtailment period. Compliance with the local curtailment is the responsibility of the Noncore End-Use Customer and may not be assigned to a Balancing Agent. Noncore End-Use Customers that exceed the maximum allowed usage will be subject to a noncompliance charge.

Local curtailment noncompliance charges for each ~~d~~Decatherm of usage in excess of designated maximum allowed usage shall equal \$50.00 plus the DCI. In order to protect its system, PG&E may temporarily shut off gas service to any Customer that fails to comply with the local curtailment.

In the event that an OFO or EFO is in effect simultaneously with a local curtailment, OFO or EFO noncompliance charges may apply in addition to any local curtailment noncompliance charges.

I. SERVICE FROM OFF-SYSTEM STORAGE FACILITIES

Gas from off-system storage facilities is treated equally with any other gas delivered at that specific PG&E interconnection.

J. WHOLESALE/RESALE SERVICE

Service under wholesale/resale service agreements, in which the gas is resold to customers of other utilities within PG&E's service territory, shall be subject to Operational Flow Orders, Emergency Flow Orders, and diversion of Customer-owned gas in the same manner as if such Customers were Customers of PG&E.

(Continued)



GAS RULE NO. 14

Sheet 24

CAPACITY ALLOCATION AND CONSTRAINT OF ~~NATURAL~~ GAS SERVICE

K. CORE END-USE CUSTOMERS

In an emergency situation, non-residential Core End-Use Customers may be asked to reduce usage prior to residential Core End-Use Customers.

L. CONFLICTS WITH OTHER TARIFFS AND/OR CONTRACTS

Each of the gas rate schedules, agreements, and rules governing the sale and transportation of ~~natural~~ gas by PG&E on file with the CPUC, shall be deemed amended to the extent that they are or may be inconsistent or in conflict with the priorities of service as listed in this rule.

M. NBAA AND CTA GROUP IMBALANCES MAY NOT BE COMBINED

OFO, EFO, and Diversion compliance calculations for Noncore Balancing Aggregation Groups (NBAA) and Core Transportation groups (CTA) are performed separately, according to the terms contained in this rule. Suppliers may not combine NBAA group and CTA group usage and supplies in an effort to comply with an OFO, EFO, or Diversion.

(L)

(L)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 1

A. GENERAL

1. GAS SOURCE

The ~~natural~~ gas supplied by PG&E is obtained from California Production and from outside of the state of California. This ~~natural~~ gas may consist of, but not be limited to, any combustible gas or gases so produced, altered only by removal of any condensible constituents or of injurious impurities and by the addition of a warning odorant. Customers using gas supplied by PG&E for processes that are affected by impurities in excess of specified minimum levels are responsible for testing gas supplied and for rendering the gas suitable for their intended uses.

(T)

Except as provided in this Rule, the utility makes no warranties as to the nature, composition, or properties of the ~~natural~~ gas supplied, and the obligations set forth in this Rule are exclusive and in lieu of all other warranties, guaranties, or liabilities, express or implied, arising by law or otherwise (including without limitation any obligations of the utility with respect to fitness, merchantability, and consequential damages).

2. BILLING VOLUME

~~Natural~~ Gas volumes for billing purposes shall be determined by applying the monthly metered volume to any applicable conversion adjustment factors in accordance with this Rule.

3. HEATING VALUE

The heating value of ~~natural~~ gas as supplied by PG&E will vary from time to time and from place to place depending upon the sources being drawn upon. The normal range of heating value is from 750 to 1150 BTU per standard cubic foot of gas at 14.73 psia and 60 degrees Fahrenheit (dry basis).

4. GAS DELIVERIES

a. GAS SERVICE STANDARDS

Gas deliveries shall be in conformance with the standards specified in the California Public Utilities Commission, General Orders ~~s~~ No. 58-A and 58-B.

(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 2

A. GENERAL (Cont'd.)

4. GAS DELIVERIES (Cont'd.)

b. STANDARD DELIVERY PRESSURE

Gas will normally be delivered at PG&E's standard delivery pressure of seven inches of water column. This pressure supplied to domestic and commercial customers shall not vary more than fifty percent above or below the standard delivery pressure. No variation in pressure from the standard pressure of two inches or more of water column shall occur in a time less than fifteen minutes, excepting momentary fluctuations on individual services caused by the operations of customer's appliances or fluctuations caused by reasonable ~~natural~~ gas regulator buildups. (T)
(T)
(T)
(T)

c. HIGHER-THAN-STANDARD DELIVERY PRESSURE

Upon request of the customer and at the option of PG&E, gas will be delivered at a pressure higher than standard delivery pressure where such higher pressure is available from existing facilities. PG&E, however, retains the right to decrease at any time the higher delivery pressure to a delivery pressure not less than the standard delivery pressure.

5. APPLIANCE INSPECTION

PG&E will inspect and adjust as necessary its customers' gas appliances in order to assure satisfactory pilot and/or burner flame characteristics for safe and proper operation whenever a changed gas supply is determined by PG&E to not be interchangeable with the previous gas supply. (T)
(T)

(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 3

B. DETERMINATION OF THERMS TO BE BILLED

The BTU factor applied to the metered volume will be determined from the average heating value of gas deliveries to that BTU area divided by 1,000. The average heating value in the BTU area is based on the average of the BTU values associated with the billing usage period. For example, if the billing usage period is four (4) weeks, the average BTU value will be calculated by averaging the BTU value of the four (4) weeks ending on the Monday (or on Tuesday if Monday is a holiday) approximately one week prior to the week that bills are processed.

(D)
(N)
|
|
|
|
(N)

However, if measurement systems exist that are capable of determining more frequent actual average heating values, then the actual average heating value may be applied to the measurement cycle (e.g., continuously, hourly, weekly, or monthly) that is used to determine billing for a specific account. The average heating value is converted to a therm multiplier for use in determining a billing factor.

(N)
|
|
|
(N)

For ~~natural~~ gas collection areas, the reported heating value for each area shall be used.

(N)
(N)

1. CUSTOMERS SUPPLIED AT STANDARD DELIVERY PRESSURE

Where gas is metered at the standard delivery pressure, a billing factor will be used. This billing factor will be the product of the appropriate value from the following table, and the applicable conversion adjustment factor.

(T)
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Group	Elevation Above Mean Sea Level	Value
A	0 – 999 Feet	1.000
B	1,000 – 1,999 Feet	0.965
C	2,000 – 2,999 Feet	0.932
D	3,000 – 3,999 Feet	0.900
E	4,000 – 4,999 Feet	0.868
F	5,000 – 5,999 Feet	0.838

At PG&E's option, where the utility has access to and the capability to use more specific elevation data, this elevation data may be substituted when determining the value listed above for computing customer billing factors.

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The number of therms to be billed will be determined by multiplying the difference in metered volumes by the billing factor.

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(Continued)



GAS RULE NO. 2
DESCRIPTION OF SERVICE

Sheet 6

C. SPECIAL FACILITIES (Cont'd.)

3. Special facilities will be installed under the terms and conditions of a contract in the form on file with the California Public Utilities Commission. Such contract will include, but is not limited to, the following general terms and conditions.

- a. Where new facilities are to be installed for applicant's use as special facilities, the applicant shall advance to PG&E the estimated additional installed cost of the special facilities over the estimated cost of standard facilities. PG&E, at its option, may finance the new facilities.
- b. A monthly Cost-of-Ownership charge shall be paid by applicant for its special facilities.

Type of Facility	Financing	Monthly Charge	
Transmission	Customer	0.50% of the amount advanced	
	PG&E	1.17% of the additional cost	
Distribution	Customer	0.86% of the amount advanced	(R)
	PG&E	1.36% of the additional cost	(R)

- c. Where existing facilities are allocated for applicant's use as special facilities, the applicant shall pay the applicable monthly Cost-of-Ownership charge for the special facilities based on a percentage specified in 3.b. above of the estimated installed cost of that portion of the existing facilities which is allocated to the applicant.
- d. Where PG&E determines the collection of continuing monthly Cost-of-Ownership charges is not practicable, the applicant will be required to make an equivalent one-time payment in lieu of the monthly ~~C~~ost-of-~~O~~wnership charges.
- e. All monthly Cost-of-Ownership charges shall be reviewed and refiled with the California Public Utilities Commission when changes occur in PG&E's costs of providing such services.



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 1

(T)

This Rule describes the general terms and conditions that apply whenever PG&E transports Customer-owned gas over its system. Customers who wish to transport gas must sign the applicable Agreement.

A. GENERAL

1. NATURE OF SERVICE

Customers or their designated Agent or Core Transport Agent hereinafter referred to as "Customer" and meaning Customer and/or their Agent will deliver or have delivered to PG&E quantities of gas, and PG&E will deliver equivalent quantities of gas adjusted for In-Kind Shrinkage Allowance, on a Btu-for-Btu basis, to the Customer's Delivery Point. Customers must endeavor to ensure that daily gas deliveries match daily gas usage. The gas that PG&E delivers to the Customer's Delivery Point will not necessarily be the gas that the Customer delivered to PG&E.

2. GAS SPECIFICATIONS

Unless otherwise agreed to by both parties, the gas delivered to PG&E must meet the quality specifications detailed in Section C, below. The minimum and maximum heating value and the pressure of the gas must be such that the gas can be integrated into PG&E's system at the Receipt Point(s).

B. QUANTITIES OF GAS

1. IN-KIND SHRINKAGE ALLOWANCE

The in-kind shrinkage quantities represent the unaccounted-for gas and the utility fuel use attributable to the volume of ~~natural~~ gas received by PG&E for backbone transmission, distribution, and storage service. PG&E may adjust distribution, transmission and storage shrinkage annually, or as necessary. (See Preliminary Statement Part C.12.c. for further details)

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(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 2

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

a. Backbone Transmission Shrinkage

A Customer transporting gas over PG&E's Backbone Transmission System shall deliver each day at the Receipt Point to PG&E an additional in-kind quantity of ~~natural~~-gas supply equal to a percent of total volume of ~~natural~~ gas to be delivered at the Receipt Point. Thus, the quantity to be nominated at the Receipt Point equals the quantity desired at the Delivery Point divided by (1 - x) where x is the decimal equivalent of the Backbone Transmission System In-Kind Shrinkage Allowance percentage, based on the transmission path utilized as follows:

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Path	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Redwood to Off-System	0.9	-	0.9
Mission to On-System	0	-	0
Mission to Off-System	0	-	0
All other transmission	1.2	-	1.2

Provided, however, that PG&E and the Customer shall not be prohibited under this Rule, where shrinkage requirements support a different shrinkage allowance, from mutually agreeing to a different shrinkage allowance for transportation over PG&E's Backbone Transmission System.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 3

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

b. Distribution Shrinkage

For transportation on PG&E's Distribution System, an additional In-Kind Shrinkage Allowance shall apply, which is separate from backbone transmission and storage shrinkage. The Customer shall deliver each day to PG&E at the Citygate an additional in-kind quantity of ~~natural~~ gas supply equal to a percent of the total volume of ~~natural~~ gas flowing through the End-Use Customer's meter. Thus, the quantity to be nominated at the Citygate equals the quantity to be flowed through the meter multiplied by (1 + y) where y is the decimal equivalent of the Distribution System In-Kind Shrinkage Allowance percentage, as follows:

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End-Use Customer	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Core – Summer Season (April - October)	1.8	0.1	1.9
Core – Winter Season (November – March)	3.6	0.1	3.7
Noncore Distribution	0.2	–	0.2
Noncore Transmission*	–	–	–

As an example, for a Core End-Use Customer being served via the Redwood Path, the amount to be nominated at Malin is calculated as:

$$\text{Receipt Point Quantity} = \frac{\text{Est. Metered Usage} \times (1 + y)}{(1 - x)}$$

Where: x = decimal equivalent of the Backbone Shrinkage percentage, and

y = decimal equivalent of the Distribution Shrinkage percentage

* Noncore Transmission Level End-Use Customers or Agents require no Distribution System In-Kind Shrinkage Allowance.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~GAS

Sheet 4

(T)

B. QUANTITIES OF GAS (Cont'd.)

1. IN-KIND SHRINKAGE ALLOWANCE (Cont'd.)

c. Storage Shrinkage

An In-Kind Shrinkage Allowance is applicable to all injection storage quantities under rate Schedules G-CFS, G-SFS, G-NFS, and G-NAS, in addition to any applicable transmission and distribution shrinkage. Customers shall deliver to PG&E's storage system an additional in-kind quantity of ~~natural~~-gas equal to the Shrinkage Allowance percentage of the total volume of their storage injection volume. The quantity injected into PG&E's storage will equal the quantity nominated for storage injection multiplied by (1-z), where z is the decimal equivalent of the Storage In-Kind Shrinkage Allowance percentage, as follows.

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$$\text{Storage Injection} = \text{Nominated Injection Quantity} * (1 - z)$$

Where: z = decimal equivalent of the Storage In-Kind Shrinkage Allowance

Storage In-Kind Shrinkage Allowance: 0.9 Percent

Provided, however, that PG&E and the Customer shall not be prohibited under this Rule, where shrinkage requirements support a different shrinkage allowance, from mutually agreeing to a different shrinkage allowance for the injection into PG&E's storage system.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~ GAS

Sheet 5

(T)

B. QUANTITIES OF GAS (Cont'd.)

2. TRANSPORTATION QUANTITIES

PG&E shall not be required to accept gas at any Receipt Point when the daily flow rate at that Receipt Point is less than 50 Decatherms per day.

PG&E shall not be obligated to agree to a Maximum Daily Quantity (MDQ), as specified in an applicable Agreement, for any Customer or its affiliates, in the aggregate, that exceeds the amount of available capacity to provide service to the Customer or affiliates, as determined by PG&E.

3. NOMINATIONS

a. General

The Customer shall be responsible for submitting gas service nominations to PG&E no later than the deadlines specified below. Nominations shall be made by electronic means acceptable to PG&E or by other means mutually agreeable to PG&E and the Customer. The Customer shall sign an Electronic Commerce System (ECS) User Agreement (Form 79-982) prior to using PG&E's Electronic Commerce System. Currently, there is no charge for using the ECS; however, PG&E reserves the right to initiate or modify fees for the use of the ECS, subject to Commission approval. PG&E may reject any nomination not conforming to the requirements in these rules or in applicable service agreements.

Each nomination shall include all information required by PG&E's normal nomination procedures. Nominations received by PG&E will be subject to the conditions specified in the Customer's service agreements with PG&E. Confirmation of nominations will be subject to operational constraints in accordance with Rule 14. Nominations for Firm Service (Firm Nominations) may be given scheduling priority over nominations for As-Available Service (As-Available Nominations) confirmed and scheduled in a previous nomination cycle, in accordance with Rule 14. This may result in a reduction of previously confirmed and scheduled As-Available volumes. "Bumping" is the process in the second through fourth nomination cycles (Evening through Intraday 2) where a Firm Nomination can supersede an As-Available Nomination confirmed and scheduled in a previous nomination cycle. Bumping is not part of the confirmation and scheduling process in the fifth (Intraday 3) cycle. As-Available Nominations are scheduled by price in each nomination cycle.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 6

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

a. General (Cont'd.)

The Customer shall be responsible for making all corresponding upstream and/or downstream nomination arrangements with the interconnecting pipeline(s) and/or operator(s).

b. Changes in Flow-day Quantities

PG&E will schedule nominations subject to receiving notification of confirmation from the upstream and/or downstream pipeline(s) and/or operator(s), and subject to the following two conditions.

1) Decreases

Decreases in intraday nominations shall be limited to no less than the Elapsed Prorated Quantity that theoretically would have flowed up to the effective time of the intra-day nomination being confirmed, based on a cumulative uniform hourly quantity for each nomination period affected. This condition applies at the individual nomination level.

2) Increases

Increases in intraday nominations shall be limited to no more than the Remaining Prorated Quantity that theoretically could flow from the effective time of the intra-day nomination being confirmed, for the time remaining in the gas day based on a cumulative uniform hourly quantity for each nomination period affected. This condition applies to the aggregate of all nominations at a receipt point.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 7

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

c. Timing

All times referred to in Section B.3 are in Pacific Clock Time. The gas day will be from 7 a.m. to 7 a.m.

d. Nomination Cycles

PG&E will accept and process five types of nominations for a given gas day: Timely, Evening, Intraday 1, Intraday 2, and Intraday 3:

- 1) A "Timely Nomination" is a nomination received by PG&E no later than 11:00 a.m. one day prior to the gas day for which the Customer requests service.
- 2) An "Evening Nomination" is a nomination received after 11:00 a.m. and no later than 4:00 p.m. one day prior to the gas day for which the Customer requests service.
- 3) An "Intraday 1 Nomination" is a nomination received after 4:00 p.m. one day prior to the gas day for which the Customer requests service and no later than 8:00 a.m. on the gas day for which service is requested.
- 4) An "Intraday 2 Nomination" is a nomination received after 8:00 a.m. and no later than 12:30 p.m. on the gas day for which service is requested by the Customer.
- 5) An "Intraday 3 Nomination" is a nomination received after 12:30 p.m. and no later than 5:00 p.m. on the gas day for which service is requested by the Customer.

(Continued)

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 8

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

e. Timely Nomination Cycle

Timely Nominations must be received by PG&E no later than 11:00 a.m. one day prior to the gas day for which the Customer requests service. Timely Nominations will be effective at 7:00 a.m. the following morning.

Nominations shall include defined begin and end dates. A Timely Nomination does not carry over to the following gas day. However, Timely Nominations may have a "roll-over" option; specifically, they may extend for multiple days, months, or years, provided the begin and end dates are within the terms of the Customer Service Agreement exhibit.

Timely Nominations will be confirmed and scheduled by priority of service in accordance with Rule 14. Confirmed and scheduled Timely As-Available Nominations may be bumped by Firm Nominations made during the Evening, Intraday 1, or Intraday 2 nomination cycles.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the applicable upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 2:30 p.m. and 3:00 p.m., respectively.

Timely Nomination summary

- Nominations submitted: No later than 11:00 a.m.
- Flow will be effective: 7:00 a.m. the following morning

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Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF **NATURAL GAS**

Sheet 9

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

f. Evening Nomination Cycle

An Evening Nomination must be received by PG&E no later than 4:00 p.m. one day prior to the gas day for which the Customer requests service. Evening Nominations will be effective at 7:00 a.m. the following morning. Evening Nominations will be confirmed and scheduled after Timely Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 6:30 p.m. and 7:00 p.m., respectively.

Evening Nomination summary

Nominations submitted: No later than 4:00 p.m.

Flow will be effective: 7:00 a.m. the following morning

Evening Nominations will be confirmed and scheduled by priority of service among all Evening Nominations PG&E has received and in accordance with Rule 14. Evening Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Evening Nomination either may be the Customer's first nomination for service for the following day or may modify a Timely Nomination for the following day. An Evening Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Evening Nomination does not carry over to the following gas day.

(Continued)

Advice
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Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~ GAS

Sheet 10

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

g. Intraday 1 Nomination Cycle

An Intraday 1 Nomination must be received by PG&E no later than 8:00 a.m. on the gas day for which service is requested. Intraday 1 Nominations will be effective at 12:00 p.m. the same day. Intraday 1 Nominations will be confirmed and scheduled after all Timely and Evening Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 10:30 a.m. and 11:00 a.m., respectively.

Intraday 1 Nomination summary

- Nominations submitted: No later than 8:00 a.m.
- Flow will be effective: 12:00 p.m. the same day

Intraday 1 Nominations will be confirmed and scheduled by priority of service among all Intraday 1 Nominations PG&E has received and in accordance with Rule 14. Intraday 1 Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Intraday 1 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely or Evening, if any. An Intraday 1 Nomination may also increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 1 Nomination does not carry over to the following gas day.

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Advice
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Resolution	_____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 11

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

h. Intraday 2 Nomination Cycle

An Intraday 2 Nomination must be received by PG&E no later than 12:30 p.m. on the gas day for which service is requested. Intraday 2 Nominations will be effective at 4:00 p.m. the same day. Intraday 2 Nominations will be confirmed and scheduled after all Timely, Evening and Intraday 1 Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 3:00 p.m. and 3:30 p.m., respectively.

Intraday 2 Nomination summary

- Nominations submitted: No later than 12:30 p.m.
- Flow will be effective: 4:00 p.m. the same day

Intraday 2 Nominations will be confirmed and scheduled by priority of service among all Intraday 2 Nominations PG&E has received and in accordance with Rule 14. Intraday 2 Firm Nominations may bump confirmed and scheduled As-Available Nominations from a previous nomination cycle, which may result in a reduction of scheduled As-Available volumes.

An Intraday 2 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely, Evening or Intraday 1, if any. An Intraday 2 Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 2 Nomination does not carry over to the following gas day.

(Continued)

Advice
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Resolution	_____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~ GAS

(T)

B. QUANTITIES OF GAS (Cont'd.)

3. NOMINATIONS (Cont'd.)

i. Intraday 3 Nomination Cycle

An Intraday 3 Nomination must be received by PG&E no later than 5:00 p.m. on the gas day for which service is requested. Intraday 3 Nominations will be effective at 8:00 p.m. the same day. Intraday 3 Nominations will be confirmed and scheduled after all Timely, Evening, Intraday 1 and Intraday 2 Nominations are confirmed and scheduled.

PG&E will provide to the Customer a confirmed nomination report indicating the nomination quantities which have been received and confirmed for transport on PG&E's system and which have been communicated to the upstream and/or downstream pipeline(s) and/or operator(s). Subject to PG&E receiving notification from the applicable upstream and/or downstream pipeline(s) and/or operator(s), PG&E will provide to the Customer a scheduled quantities report. PG&E will attempt, but cannot guarantee, delivery of these two reports by 7:30 p.m. and 8:00 p.m., respectively.

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Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 13

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B. QUANTITIES OF GAS (Cont'd.)

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3. NOMINATIONS (Cont'd.)

i. Intraday 3 Nomination Cycle (Cont'd.)

Intraday 3 Nomination summary

- Nominations submitted: No later than 5:00 p.m.
- Flow will be effective: 8:00 p.m. the same day

Intraday 3 Nominations will be confirmed and scheduled by priority of service among all Intraday 3 Nominations PG&E has received and in accordance with Rule 14. Intraday 3 Firm Nominations will not bump confirmed and scheduled As Available Nominations from a previous nomination cycle.

An Intraday 3 Nomination either may be the Customer's first nomination for service for the gas day or may modify its previous nomination, Timely, Evening, Intraday 1 or Intraday 2, if any. An Intraday 3 Nomination may increase or decrease previously scheduled quantities subject to Section B.3.b. and scheduling non-performance in Section B.4. An Intraday 3 Nomination does not carry over to the following gas day.

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Resolution	_____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

B. QUANTITIES OF GAS (Cont'd.)

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4. SCHEDULING NON-PERFORMANCE

An excess of confirmed nominations relative to scheduled nominations for a given gas day for a given Customer and a particular As-Available transportation exhibit to the Gas Transmission Service Agreement (GTSA) shall be deemed to be scheduling non-performance. This section sets forth how PG&E will manage excess As-Available volumes and reduce a Customer's ability to engage in scheduling non-performance.

- a. PG&E may limit the Maximum Daily Quantity (MDQ) of an As-Available contract to the expected usage of that contract by an entity. Expected usage is the Customer's highest actual usage in the past twelve (12) months.
- b. PG&E may reduce an As-Available contract's MDQ on a daily basis to the previous day's actual usage if scheduling non-performance occurs.
- c. If an entity's load increases, the entity may contact PG&E to increase the MDQ.

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Advice
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Resolution	_____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~ GAS

B. QUANTITIES OF GAS (Cont'd.)

5. IMBALANCES IN DELIVERIES

a. On any given day the Customer shall bring in a quantity of Customer-~~owned~~ Owned Gas, adjusted for In-Kind Shrinkage Allowance, to be delivered to the Customer, approximately equal to the quantity of gas received by PG&E for transportation to the Customer that day.

Any day-to-day imbalance will be handled and resolved through Schedule G-BAL.

b. Procedures for balancing the Customer's account when PG&E receives Customer-~~owned~~ Owned Gas for transportation but, because of constraints or diversions, does not deliver it to the Customer, are covered in Rule 14.

c. A transmission Customer's Imbalance, defined in Schedule G-BAL, refers to a difference between a Customer's final scheduled quantity and the quantity of gas actually delivered at the Receipt Point on behalf of that Customer for a given gas day.

6. TRANSPORT OF CALIFORNIA PRODUCTION GAS

PG&E may receive gas from California ~~production~~ Production supply for transport by a Customer from various Receipt Points on PG&E's system. As of April 1, 1998, nominations shall be accepted by PG&E only from California ~~production~~ Production Receipt Points which are designated in a California Production Balancing Agreement (Form No. 79-944) which has been executed between a California producer's Authorized Agent and PG&E.

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

C. QUALITY OF GAS

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Gas delivered to PG&E for transportation to the Delivery Point(s) shall meet the gas quality specifications stated in the service agreement between the delivering pipeline company and PG&E. If no gas-quality specifications agreement exists between the delivering pipeline company and PG&E for the Receipt Point(s), or if the ~~natural~~ gas is not delivered by a pipeline, the gas received by PG&E shall meet the following specifications:

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1. Carbon dioxide: The gas shall contain no more than one percent by volume of carbon dioxide.
2. Oxygen: The gas shall contain no more than 0.1 percent by volume of oxygen.
3. Hydrogen sulfide: The gas shall contain no more than 0.25 grains of hydrogen sulfide, measured as hydrogen sulfide, per one hundred standard cubic feet (4 parts per million (ppm) by volume of hydrogen sulfide).
4. Mercaptan sulfur: The gas shall contain no more than 0.5 grains of mercaptan sulfur, measured as sulfur, per one hundred standard cubic feet (8 ppm).
5. Total sulfur: The gas shall contain no more than one grain of total sulfur, measured as sulfur, per one hundred standard cubic feet (17 ppm) by volume of total sulfur.
6. Water vapor: The gas shall contain no more than seven pounds of water vapor per million standard cubic feet at 800 pounds per square inch gauge (psig) or less; dew point of 20° Fahrenheit (F) if gas is supplied at over 800 psig.
7. Hydrocarbon dewpoint: The gas shall have a hydrocarbon dewpoint of 45°F or less for gas delivered at 800 psig or below, but measured at 400 psig; or 20°F for gas delivered at above 800 psig, also measured at 400 psig.
8. Liquids: The gas shall contain no liquids at, or immediately downstream of, the Receipt Point(s).
9. Merchantability: ~~The gas shall not contain dust, sand, dirt, gums, oils, or other substances in an amount sufficient to be injurious to PG&E facilities or which shall cause the gas to be unmarketable. The ability to purchase, sell, or market Gas. The Gas shall not contain dust, sand, dirt, gums, oils, microbes, bacteria, pathogens and/or other substances at levels that would be injurious to Utility facilities or which would present a health and/or safety hazard to Utility employees, customers, and/or the public or that would cause Gas to be unmarketable.~~
10. Temperature: The gas shall not be delivered at less than 60 degrees Fahrenheit or more than 100 degrees Fahrenheit.

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 16

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- 11. Gas interchangeability: The gas shall be interchangeable with the gas in the receiving pipeline. Interchangeability shall be determined in accordance with the methods and limits presented in Bulletin 36 of the American Gas Association.

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GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 18

(T)

~~C. QUALITY OF GAS (Cont'd.)~~

(D)

~~— recycling of hazardous waste. The facility may consist of one or more treatment, transfer, storage, resource recovery, disposal, or recycling hazardous waste management units, or combinations of these units. This includes facilities permitted by the Department of Toxic Substance Control.~~

~~7) Testing Action Levels~~

~~a) Trigger Level: Constituents found at or above the Trigger Level require additional periodic testing and analysis.~~

~~b) Lower Action Level: The Lower Action Level is used to screen Biomethane during Pre-Injection Testing, Periodic Testing, and in the Biomethane Restart Procedure.~~

~~c) Upper Action Level: The Upper Action Level establishes the point at which an immediate shut-off of the Biomethane supply occurs.~~

~~b. Biomethane Constituents and Quality Specifications~~

~~1) Biomethane must conform to the specifications shown in Table 1.~~

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
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Submitted _____
Effective _____
Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF **NATURAL GAS**

C. QUALITY OF GAS, Table 1 (Cont'd.)

(D)

Table 1						
Maximum Constituent Concentrations						
Biomethane Injection Constituents				Testing for Biogas Source		
	Trigger Level	Lower Action Level	Upper Action Level	Landfill	Dairies	POTW⁴
Traditional Gas Quality Requirements¹				X	X	X
Health Protective Constituents – Carcinogenic²						
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	X		
p-Dichlorobenzene	5.7 mg/m ³ 0.95 ppmv	57 mg/m ³ 9.5 ppmv	140 mg/m ³ 24 ppmv	X		X
Ethylbenzene	26 mg/m ³ 6.0 ppmv	260 mg/m ³ 60 ppmv	650 mg/m ³ 150 ppmv	X	X	X
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	X	X	
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	X		X
Health Protective Constituents – Non-Carcinogenic²						
Antimony	0.60 mg/m ³ 0.12 ppmv	6.0 mg/m ³ 1.2 ppmv	30 mg/m ³ 6.1 ppmv	X		
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	X		
Hydrogen Sulfide ⁶	30 mg/m ³ 22 ppmv	300 mg/m ³ 216 ppmv	1500 mg/m ³ 1080 ppmv	X	X	X
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	X		
Mercaptans (Alkyl Thiols) ⁶	12 ppmv	120 ppmv	610 ppmv	X	X	X
Methacrolein	1.1 mg/m ³ 0.37 ppmv	11 mg/m ³ 3.7 ppmv	53 mg/m ³ 18 ppmv	X		
Toluene	904 mg/m ³ 240 ppmv	9000 mg/m ³ 2400 ppmv	45000 mg/m ³ 12000 ppmv	X	X	X

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF **NATURAL GAS**

(T)

C. QUALITY OF GAS, Table 1 (Cont'd.)

(D)

Pipeline Integrity Protective Constituents³						
Ammonia	0.001%	TBD ⁵	TBD ⁵	X	X	X
Biologicals	4 x 10 ⁴ / scf (qPCR per APB, SRB, IOB ⁷ group) and commercially free of bacteria of >0.2 microns	TBD ⁵	TBD ⁵	X	X	X
Hydrogen	0.10%	TBD ⁵	TBD ⁵	X	X	X
Mercury	0.08 mg/m ³	TBD ⁵	TBD ⁵	X	X	X
Siloxanes⁸	0.01 mg-Si/m ³	0.1 mg-Si/m ³	TBD ⁵	X	X	X

Notes:

1. Traditional gas quality requirements are found in Gas Rule 21.C in Sections 1-12.
2. Health protective constituents are shown in Table V-3 the CARB/OEHHA Report.
3. Pipeline integrity protective constituents are shown in Section 4.4.3.3 of D.14-01-034.
4. POTW means "Publicly Owned Treatment Works" or sewage treatment plant, or wastewater plant, and includes all biogas sources other than landfill and dairy manure.
5. The lower and upper action levels will be established in the next update proceeding.
6. Testing requirement will be the lower of stated biomethane values or other tariff requirements.
7. Acid-producing Bacteria (APB), Sulfate-reducing Bacteria (SRB), and Iron-oxidizing Bacteria (IOB).
8. The Supplier that certifies (1) the only biogas fuel sources for its biomethane are: dairy or other animal manure, other agricultural waste, forest residues, and/or commercial food processing waste and (2) products that contain siloxanes are not included in the biogas and are not used at the facility in any way that allows siloxanes to enter the biomethane, shall have reduced siloxane testing requirements, as described in this Rule. If these conditions change, the Supplier must notify PG&E immediately and the full siloxane testing requirements will apply as described in Section 13.c.4) d). PG&E, at its discretion and cost, may test pursuant to applicable tariff rules. If PG&E test results show the siloxane levels exceed the Lower Action Level, the full siloxane testing requirements will apply as described in this Rule.

(D)

(Continued)

Advice 4108-G
Decision 19-05-018

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Robert S. Kenney
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Submitted
Effective
Resolution

June 17, 2019
July 17, 2019



GAS RULE NO. 21
TRANSPORTATION OF **NATURAL GAS**

Sheet 21

~~C. QUALITY OF GAS (Cont'd.)~~

~~2. Biomethane must conform to the specifications shown in Table 2.~~

Table 2 Collective Risk from Carcinogenic and non-Carcinogenic Constituents			
Risk Management Levels	Risk from Carcinogenic Constituents (chances in a million)	Hazard Index from Non-Carcinogenic Constituents	Action
Trigger Level ¹	≥ 1.0	≥ 0.1	Periodic Testing Required
Lower Action Level ²	≥ 10.0	≥ 1.0	Supply shut in after three exceedances in 12 months
Upper Action Level ³	≥ 25.0	≥ 5.0	Immediate supply shut in

~~1. Applies to individual constituent concentrations.
2. Applies to the sum of all constituent concentrations over the trigger level.
3. Applies to individual constituent concentrations or to the sum of all constituent concentrations over the trigger level.~~

~~e. Testing~~

- ~~1) Testing shall be determined according to the source feedstock. Testing for the Health Protective Constituents shall be by the methods specified in Table V-4 of CARB/OEHHA Report submitted in R. 13-02-008 as approved by D. 14-01-034.~~
- ~~2) If requested, any retesting for validation of results can be done at the cost of the entity requesting the retest.~~
- ~~3) Responsibility for Testing~~
 - ~~a) During Pre-Injection Testing and Biomethane Restart Procedure testing, gas quality testing will be performed by the Supplier using independent certified third party laboratories, and results will be shared with the receiving utility.~~
 - ~~b) During Periodic Testing at the interconnection, the testing entity will be the utility, who will collect the samples and send the samples to the independent certified laboratories for constituent analyses. The results will be shared with the Supplier. For raw biogas testing, and the testing of biomethane prior to interconnection, the Supplier will be the testing entity.~~

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted _____
Effective _____
Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

~~C. QUALITY OF GAS (Cont'd.)~~

(D)

~~4) Pre-Injection Testing Procedure~~

~~a) Supplier will conduct two tests for all Constituents over a two to four week period.~~

~~b) If during the pre-injection testing, any Health Protective Constituents are found at or above the Trigger Level, the Biomethane's collective potential cancer or non-cancer risk must be calculated. The collective potential cancer or non-cancer risk can be calculated by summing the individual risk for each Health Protective Group 2 Compound. If the collective potential cancer risk or non-cancer risk is at or above the Lower Action Level (the cancer risk Lower Action Level is >10 in a million and the non-cancer risk Lower Action Level is a Hazard Index of >1), the biomethane cannot be accepted or transported by the Utility's pipeline system. The Supplier shall make necessary modifications to lower the collective potential cancer or non-cancer risk below the Lower Action Level and restart pre-injection testing.~~

~~c) If during the pre-injection testing the Health Protective constituents total potential cancer risk and non-cancer risk is below the Lower Action Level and Pipeline Integrity Protection Constituents are found to be below the Lower Action Level, if applicable, the Biomethane may be injected into the pipeline with Periodic Testing.~~

~~d) Per Section C.13.b.1) Table 1, Note 8, biomethane certified for reduced siloxane testing will be as follows:~~

~~i. If the pre-injection testing siloxane level is below or at the trigger level shown in Table 1, then no periodic siloxane testing is required under Section C.13.c.5) b) ii.~~

~~i. If the pre-injection testing siloxane level exceeds the Trigger level shown in Table 1, then quarterly testing is required for one year, and if none of those samples are above the Lower Action Level shown in Table 1, then no periodic siloxane testing is required under Section C.13.c.5) b) ii.~~

~~ii. If the siloxane level is above the Lower Action Level shown in Table 1, then the biomethane certification for reduced testing is no longer applicable and the Supplier will be required to comply with the periodic testing requirements for siloxane under Section C.3.c.5) b) ii.~~

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(D)

(Continued)

Advice
Decision

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Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

~~C. QUALITY OF GAS (Cont'd.)~~

(D)

~~5) Periodic Testing~~

~~a) Group 1 Compounds~~

- ~~i. Group 1 Compounds will be tested once every 12 month period in which injection occurs.~~
- ~~ii. Any Group 1 Compounds with a concentration below the test detection level or below the Trigger Level for two consecutive annual tests will be tested once every two year period in which deliveries occur.~~
- ~~iii. A Group 1 Compound will become a Group 2 Compound if testing indicates a concentration at or above the Trigger Level.~~

~~b) Group 2 Compounds~~

- ~~i. Testing for Group 2 Constituents will be quarterly.~~
- ~~ii. Individual Constituents~~
 - ~~(a) Any Constituent with a concentration below the Trigger Level in four consecutive quarterly tests will be tested once every 12 month period in which injection occurs.~~
 - ~~(b) If annual testing demonstrates that a Constituent concentration is at or above the Trigger Level, testing for that Constituent will revert to quarterly.~~
 - ~~(c) If any constituent is above the Upper Action Level, the biomethane shall be shut-in until the concentration level is below the Lower Action Level, after which it will be subject to the Biomethane Restart Procedures (see C.13.c.6)).~~
 - ~~(d) If applicable, when a Pipeline Integrity Protective Constituent is found at or above the Lower Action Level three times in a 12 month period, the biomethane shall be shut-in and subject to the biomethane restart procedures.~~

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted _____
Effective _____
Resolution _____



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

~~C. QUALITY OF GAS (Cont'd.)~~

(D)

~~iii. Collective risk from Carcinogenic and Non-carcinogenic Health Protective Constituents~~

~~(a) Cancer Risk~~

~~The collective cancer risk for Group 2 compounds can be estimated by summing the individual potential cancer risk for each carcinogenic constituent of concern. Specifically, the cancer risk can be calculated using the ratio of the concentration of the constituent in the biomethane to the health protective ("trigger") concentration value corresponding to one in a million cancer risk for that specific constituent and then summing the risk for all the Group 2 constituents. (for reference, see CARB/OEHHA Report submitted in R. 13-02-008, p. 67)~~

~~(b) Non-Cancer Risk~~

~~The collective non-cancer risk can be calculated using the ratio of the concentration of the constituent in biomethane to the health protective concentration value corresponding to a hazard quotient of 0.1 for that specific non carcinogenic constituent, then multiplying the ratio by 0.1, and then summing the non-cancer chronic risk for these Group 2 compounds. (for reference, see CARB/OEHHA Report submitted in R.13-02-008, p. 67)~~

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 25

(T)

~~C. — QUALITY OF GAS (Cont'd.)~~

~~(c) — If the result is at or above the Lower Action Level on three occurrences in a 12-month period, the Biomethane shall be shut-in until the concentrations are below the Lower Action Level, after which it will be subject to the Biomethane Restart Procedures (see C.13.c.6)).~~

~~(d) — If quarterly testing over four consecutive tests demonstrates that the collective risk from Carcinogenic and Non-carcinogenic Constituents is below the Lower Action Level, then the testing period will change to once every 12-month period during which injection occurs for each Constituent in the group.~~

~~(e) — If annual testing demonstrates that collective risk from Carcinogenic and Non-carcinogenic Constituents is at or above the Lower Action Level, then testing for the Carcinogenic or Non-carcinogenic Constituents will revert to quarterly.~~

(D)

(D)

(Continued)

Advice
Decision

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Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

~~C. QUALITY OF GAS (Cont'd.)~~

(D)

~~(f) If any Constituent concentration, or the collective risk from Carcinogenic or Non-carcinogenic Constituents, is at or above the Upper Action Level, the Biomethane shall be shut-in until the concentration is below the Lower Action Level, after which it will be subject to the Biomethane Restart Procedures (see C.13.c.6)).~~

~~(g) If Supplier's Biomethane is refused in accordance with this Rule, testing for all Group 1 and Group 2 Compounds will then be performed according to the Biomethane Restart Procedure.~~

~~6) Biomethane Restart Procedure~~

~~a) The Pre-Injection Testing Procedure will be performed by the Supplier if~~

~~i. There is a change in the biogas source at the facility or a change of the biogas processing equipment design (other than for functional equivalence) that the Commission determines will potentially increase the level of any Constituent over the previously measured baseline levels.~~

~~ii. Biomethane injection into the pipeline is refused because there are three exceedances of the Lower Action Level in a 12-month period.~~

~~iii. Biomethane injection into the pipeline is refused because a Constituent concentration or the total cancer or non-cancer risk is above the Upper Action Level.~~

~~b) If the results of the first test indicate that all Constituents and collective potential cancer and non-cancer risk are below the Lower Action Level, Biomethane may be injected into the pipeline subject to the testing requirements in Section C.13.c.5).~~

~~c) After re-starting Biomethane deliveries, Periodic Testing for all Group 1 and Group 2 Compounds will be performed as indicated in Section C.13.c.5).~~

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

Sheet 27

(T)

~~C. — QUALITY OF GAS (Cont'd.)~~

(D)

~~d) — Gas from Hazardous Waste Landfills~~

~~i. — Biomethane sourced from Hazardous Waste Landfills will not be knowingly purchased, accepted into or transported on the pipeline system.~~

~~ii. — Supplier must certify and provide documentation or other suitable proof that the biogas source feedstock was not derived or collected from a hazardous waste landfill, as defined herein.~~

~~e) — Reporting and recordkeeping will be as described in D.14-01-034 and as specified in the CARB/OEHHA Report submitted in R.13-02-008.~~

(D)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~ GAS

(T)

D. ACCOUNTING AND BILLING

(L)

1. DESIGNATION OF QUANTITIES DELIVERED FOR TRANSPORTATION

PG&E may be receiving gas from various sources at the Receipt Point(s). Gas entering the PG&E system shall be measured by either PG&E or a third party designated by PG&E as its agent. Where such third party acts as PG&E's measuring agent, the Customer shall accept as correct the agent's determination of the quantity of gas (in Mcf and Decatherms) it has delivered to PG&E for the Customer's account subject to the limitations of Rule 14. Where gas is measured by PG&E, the Customer shall accept as correct PG&E's measurement of the gas received (see Section D.3 below for information about access to meters and charts and other records).

2. BILLING

Each month, PG&E shall send the Customer a bill. The bill will show the quantities of gas adjusted for In-Kind Shrinkage Allowance, delivered to PG&E for the Customer's account at each Delivery Point for the billing month. PG&E may use estimated quantities in the bill, and the Customer shall be obligated to pay the estimated bill as presented; PG&E will then make any necessary adjustments in the subsequent months' billings.

(L)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

D. ACCOUNTING AND BILLING (Cont'd.)

(L)

3. BOOKS AND RECORDS

PG&E and the Customer shall keep accounting records and books in accordance with generally accepted accounting principles and practices in the industry. PG&E and the Customer shall have the right to examine those books and accounting records of the other.

Any examination will be at the examining party's expense, must be conducted at a reasonable time, and must be confined to the extent necessary to verify the accuracy of any statement, charge, or computation or any demand made under or as a result of transporting Customer-~~owned~~-Owned Gas.

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E. ADDITIONAL FACILITIES

Transportation of Customer-~~owned~~-Owned Gas does not obligate PG&E to construct any additional facilities (including measuring facilities) or to modify any existing facilities to provide for receipt of Customer-~~owned~~-Owned natural-gas into the PG&E system. Customer shall have a separate agreement covering any new facilities or necessary modifications for either receipt or delivery of Customer-~~owned~~-Owned Gas.

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F. POSSESSION OF GAS

For Customer-~~owned~~-Owned Gas, the Customer shall be deemed to be in control and possession of the gas until the gas is delivered to PG&E at the Receipt Point(s). The Customer shall be deemed to regain control and possession of the gas upon delivery from PG&E to or on behalf of the Customer.

(T)

G. INDEMNIFICATION

The Customer shall indemnify and hold harmless PG&E, its officers, agents and employees against all loss, damage, expense, and liability, resulting from injury to or death of any person, including but not limited to employees of PG&E, Customer or any third party, or for loss, destruction, damage to property, including but not limited to property of PG&E, Customer, or any third party, arising out of or in any way connected with the transportation of Customer-owned gas, however caused, except to the extent caused by the active negligence or willful misconduct of PG&E, its officers, agents and employees. The Customer shall on PG&E's request, defend any suit asserting a claim covered by this indemnity. The indemnifying party shall pay all costs that may be incurred by the other party in enforcing this indemnity, including all reasonable attorney's fees.

(L)

(Continued)

Advice
Decision

Issued by
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Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

H. OPEN ACCESS INTERCONNECTION OF ~~Interconnection of~~ NEW GAS SUPPLY

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PG&E will provide non-discriminatory interconnection to its pipeline system for an Applicant to deliver new gas supply. Upon interconnection PG&E will provide open access transportation of the gas under the applicable PG&E rate schedules, rules and transportation agreements. PG&E will perform interconnection-related work under the following conditions:

1. The Applicant's gas supply can be received into PG&E's existing system without jeopardizing the integrity or normal operation of its pipeline system and without adversely affecting PG&E's Customers. The specific interconnection point will be determined by PG&E.
2. The maximum delivery capacity for Applicant's gas at the interconnection point will be determined by the size of the interconnection facilities and PG&E's ability to redeliver the gas supply downstream of the interconnection point.
3. The available capacity for Applicant's gas supply on any particular day may be affected by physical flows from other points of receipt, daily pipeline operating conditions, and end-use demand.
4. The Applicant shall pay PG&E's costs for all engineering and construction of facilities on PG&E's side of the interconnection point necessary to receive Applicant's gas. Such facilities may include, but are not limited to, taps, valves, piping, measuring equipment, odorizing equipment, land rights, permits, and communication equipment. The Applicant also shall pay for computer programming changes to PG&E's scheduling system, if any, required to add the Applicant's new interconnection point for the purpose of nominating the gas. PG&E shall own and operate all facilities on PG&E's side of the interconnection point.
5. The Applicant shall execute a standard "Agreement to Perform Tariff Schedule Related Work" (Form 62-4527), which shall contain a description of the work to be performed by PG&E, the cost estimate, and payment terms.
6. The Applicant, at its expense, shall obtain all land rights, easements, permits or other authorizations, and shall design and construct the piping, valves, filter separators, and other equipment that is required on the Applicant's side of the interconnection point to effectuate deliveries of gas to PG&E, in accordance with sound and prudent ~~natural~~ gas industry practice and with all applicable laws, rules, and regulations of any authority having jurisdiction.

(L)

(T)

(Continued)

Advice
Decision

Issued by
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Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

H. OPEN ACCESS INTERCONNECTION OF NEW GAS SUPPLY (Cont'd.)

(L)

7. The Applicant shall install and maintain in good working condition the necessary pressure regulation and flow equipment to effectuate delivery of gas to the interconnection point at or above the prevailing pressure in PG&E's pipeline. Applicant's equipment shall be designed and installed to protect PG&E's pipeline from exposure to pressures in excess of PG&E's then current maximum operating pressure at the interconnection point.

8. Applicant's gas supply at the interconnection point shall comply with all PG&E tariffs and rules including gas quality and nomination procedures.

9. The Applicant and PG&E shall execute interconnection operating and balancing agreements prior to final interconnection and gas flow.

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~~10. Pursuant to D.15-06-029, approved June 11, 2015, as modified by D.16-12-043, biomethane project developers are eligible to participate in a monetary incentive program to encourage biomethane project developers to successfully operate projects that can safely interconnect with PG&E's pipelines and inject biomethane for PG&E customer usage. The total state-wide monetary incentives for this monetary incentive program is capped at \$40 million for five years ending on December 31, 2021 or until the program has exhausted funding including the California Council on Science and Technology study costs. Biomethane project developers can receive up to 50% of the project's eligible interconnection costs, up to \$3 million for a non-dairy cluster biomethane project and up to \$5 million for a dairy cluster biomethane project. Eligible interconnection costs to be credited under this incentive program include study and design costs, total installed costs of receipt point facilities (e.g., meters, regulators, appurtenant facilities, quality measurement, odorization facilities and auxiliary facilities), PG&E facility enhancement costs (e.g., PG&E owned gas pipelines, other related system upgrades and enhancements required to enable continued safe and reliable operation of PG&E's system due to the addition of each biomethane interconnection). For a dairy cluster biomethane project as defined in Public Utilities Code 399.19(b), the eligible interconnection costs also include project developer costs for biogas gathering lines, which includes multiple pipelines installed to transport biogas from three or more dairies in close proximity to one another for injection into PG&E's pipeline system.~~

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(D)

(Continued)

Advice
Decision

Issued by
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Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF NATURAL GAS

(T)

~~H. OPEN ACCESS INTERCONNECTION OF NEW GAS SUPPLY (Cont'd.)~~

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~~10. Engineering and capacity studies and agreement terms and conditions are specified in PG&E Gas Rule 21. These eligible facility costs include the costs necessary to interconnect downstream of the biomethane project developer's processing plants for the purposes of delivering biomethane onto PG&E's system. For example, pipeline costs from the biomethane project developer's plant to PG&E's pipeline for purposes of injecting biomethane onto PG&E's system is an eligible cost under the monetary incentive program, whereas any pipeline costs from PG&E's pipeline to the biomethane project developer's facilities for the purposes of blending to increase the heating value is not an eligible cost under the monetary incentive program. Other upstream costs, such as the costs for processing or blending, (including the pipelines used for blending), do not qualify as eligible interconnection costs under the monetary incentive program. The biomethane project developer shall provide cost information to PG&E for eligible costs in a timely manner, as specified by PG&E. To be eligible for the monetary incentive program, a biomethane project developer must comply with the standards and protocols adopted in D.14-01-034 as modified by D.16-11-008, successfully interconnect to PG&E's pipeline system and meet the operational requirement as described in D.15-06-029 as modified by D.16-12-043, and provide cost information to PG&E for eligible costs in a timely manner, as specified by PG&E.~~

~~11. Biomethane project developers must meet the 30-day operational requirement to be eligible for the incentive program pursuant to D.15-06-029 as modified by D.16-12-043. The operational requirement shall be met only if the biomethane project developer successfully interconnects with PG&E's pipeline system, and remains in operation for a minimum of 30 out of 40 days with a flow each of those 30 days within the measurement range of the meter, as specified by PG&E measurement standards and based on the meter type as specified by PG&E and site conditions and shall exclude any interruption of delivery as specified by PG&E Gas Rule 14. The biomethane developer must notify PG&E in writing at least 2 business days prior to the start of flows so as to specify the 40 day testing period. A biomethane developer can restart Day 1 of the testing period at any time by providing a new written notification at least 2 business days in advance of when the new 40-day testing period is to begin and end.~~

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(Continued)

Advice
Decision

Issued by
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Submitted
Effective
Resolution



GAS RULE NO. 21
TRANSPORTATION OF ~~NATURAL~~-GAS

(T)

~~H. OPEN ACCESS INTERCONNECTION OF NEW GAS SUPPLY (Cont'd.)~~

(D)

~~12. Within 60 days following the successful operational period, PG&E will pay or credit the biomethane project developer in the amount of 50% of the eligible reconciled and undisputed portions of the interconnection costs not to exceed \$3 million for a non-dairy cluster biomethane project or \$5 million for a dairy cluster biomethane project. A payment will be provided to the biomethane project developer if all costs have been paid in full; if there are remaining costs they shall be treated as a credit. In the event that all interconnection costs have not been reconciled by PG&E and the developer within 60 days following the successful operational period, PG&E shall resume paying the biomethane project developer upon cost reconciliation. If additional eligible cost information becomes available within 12 months following the initial payment, the utility shall pay to the biomethane project developer 50% of the remaining eligible interconnection costs, not to exceed \$3 million for a non-dairy cluster biomethane project or \$5 million for a dairy cluster biomethane project, including all previous payments. PG&E will provide notification to the CPUC Director of the Energy Division and the biomethane project developer of the initial payment as well as any other potentially eligible future payments~~

(D)

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

AT&T	Downey & Brand	Pioneer Community Energy
Albion Power Company	East Bay Community Energy	Redwood Coast Energy Authority
Alta Power Group, LLC	Ellison Schneider & Harris LLP	Regulatory & Cogeneration Service, Inc.
Anderson & Poole	Energy Management Service	SCD Energy Solutions
Atlas ReFuel	Engineers and Scientists of California	San Diego Gas & Electric Company
BART	GenOn Energy, Inc.	SPURR
Barkovich & Yap, Inc.	Goodin, MacBride, Squeri, Schlotz & Ritchie	San Francisco Water Power and Sewer
California Cotton Ginners & Growers Assn	Green Power Institute	Sempra Utilities
California Energy Commission	Hanna & Morton	Sierra Telephone Company, Inc.
California Public Utilities Commission	ICF	Southern California Edison Company
Calpine	IGS Energy	Southern California Gas Company
Cameron-Daniel, P.C.	International Power Technology	Spark Energy
Casner, Steve	Intestate Gas Services, Inc.	Sun Light & Power
Cenergy Power	Kelly Group	Sunshine Design
Center for Biological Diversity	Ken Bohn Consulting	Tecogen, Inc.
Chevron Pipeline and Power	Keyes & Fox LLP	TerraVerde Renewable Partners
City of Palo Alto	Leviton Manufacturing Co., Inc.	Tiger Natural Gas, Inc.
City of San Jose	Los Angeles County Integrated	TransCanada
Clean Power Research	Waste Management Task Force	Utility Cost Management
Coast Economic Consulting	MRW & Associates	Utility Power Solutions
Commercial Energy	Manatt Phelps Phillips	Water and Energy Consulting Wellhead
Crossborder Energy	Marin Energy Authority	Electric Company
Crown Road Energy, LLC	McKenzie & Associates	Western Manufactured Housing
Davis Wright Tremaine LLP	Modesto Irrigation District	Communities Association (WMA)
Day Carter Murphy	NLine Energy, Inc.	Yep Energy
Dept of General Services	NRG Solar	
Don Pickett & Associates, Inc.	Office of Ratepayer Advocates	
Douglass & Liddell	OnGrid Solar	
	Pacific Gas and Electric Company	
	Peninsula Clean Energy	