

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



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 4335G/6006E
As of March 15, 2021

Subject: Request to Revise Electric and Gas Rules 15 and 16 Pursuant to Assembly Bill 1026 and Section 783 of the California Public Utilities Code.

Division Assigned: Energy

Date Filed: 11-19-2020

Date to Calendar: 11-23-2020

Authorizing Documents: None

Disposition:	Accepted
Effective Date:	11-19-2020

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Stuart Rubio

415-973-4587

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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

November 19, 2020

Advice 4335-G/6006-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Request to Revise Electric and Gas Rules 15 and 16 Pursuant to Assembly Bill 1026 and Section 783 of the California Public Utilities Code.

Purpose

This advice letter is requesting to revise the following PG&E tariffs pursuant to Assembly Bill (AB) 1026 and as codified in California Public Utilities Code, Section 783(g).

- Electric
 - Rule 15 – Distribution Line Extensions
 - Rule 16 – Service Extensions
- Gas
 - Rule 15 – Gas Main Extensions
 - Rule 16 – Gas Service Extensions

Background

On October 2, 2019, AB 1026 (Woods) was approved, revising Section 783 of the California Public Utilities Code. The bill specified that only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension-of-service project by an electrical or gas corporation at the time the application for the extension of service is approved, as specified, apply to the new project for the 18 months following the approval date of the application.

On October 20, 2020, PG&E received a correspondence from the Energy Division¹ of the California Public Utilities Commission's (CPUC) requesting that PG&E submit a Tier 1 advice letter by November 19, 2020, revising our tariffs, Rule 15 and 16, in compliance with AB 1026. In addition, the Energy Division provided the language that is to be inserted

¹ Email from David Lee (Utilities Engineer, Energy Division) dated October 20, 2020 and corrected on October 27, 2020

into the tariffs to reflect the recent modifications to Section 783 of the California Public Utilities Code.

PG&E is requesting approval to insert the language that was provided by the Energy Division into PG&E's Electric and Gas Rules 15 and 16 pursuant to AB 1026 and Section 783(g) of the California Public Utilities Code.

Tariff Revisions

Pursuant to AB 1026 and Section 783(g) of the California Public Utilities Code, PG&E propose to add the following tariff language² to (1) Electric Rule 15, Section A.1.b; (2) Electric Rule 16, Section A.2; (3) Gas Rule 15, Section A.1.b; and (4) Gas Rule 16, Section A.2:

- Construction and Design Specifications, Standards, Terms, and Conditions of a New Extension of Service Project.
 - a. In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
 - b. PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - 1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - 2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - 3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
 - c. Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of [gas/electric] service or the date when PG&E first invoices the customer for the extension of [gas/electric] service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

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

² This is the language directed by Energy Division to include in the tariffs which confirms to the statute language.

The affected tariff sheets are listed on the enclosed Attachment 1. For convenience of the reader, PG&E has included redline revisions in Attachment 2.

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 December 9, 2020, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

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

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

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

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 5.1, this advice letter is submitted with a Tier 1 designation. PG&E requests that this Tier 1 advice submittal become effective upon date of submittal, which is November 19, 2020.

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. 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
 League of Cities
 California State Association of Counties
 Association of General Contractors
 California Building Industry Association



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 U 39 M)

Utility type:

☒ ELC ☒ GAS ☐ WATER
☐ PLC ☐ HEAT

Contact Person: Stuart Rubio

Phone #: (415)973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: SHR8@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) #: 4335-G/6006-E

Tier Designation: 1

Subject of AL: Request to Revise Electric and Gas Rules 15 and 16 Pursuant to Assembly Bill 1026 and Section 783 of the California Public Utilities Code.

Keywords (choose from CPUC listing): Compliance

AL Type: ☐ Monthly ☐ Quarterly ☐ Annual ☒ One-Time ☐ Other:

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

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

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

Confidential treatment requested? ☐ Yes ☒ No

If yes, specification of confidential information:

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

Resolution required? ☐ Yes ☒ No

Requested effective date: 11/19/20

No. of tariff sheets: 81

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:

Clear Form

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36555-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 1	21543-G
36556-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 2	
36557-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 3	18802-G
36558-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 4	18803-G
36559-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 5	33827-G
36560-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 6	20350-G
36561-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 7	29271-G
36562-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 8	31168-G
36563-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 9	26827-G
36564-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 10	21544-G
36565-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 11	21545-G*
36566-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 12	22376-G
36567-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 13	22377-G
36568-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 14	22378-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36569-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 15	22379-G
36570-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 16	26828-G
36571-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 17	26829-G
36572-G	GAS RULE NO. 15 GAS MAIN EXTENSIONS Sheet 18	18814-G
36573-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 1	21546-G
36574-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 2	
36575-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 3	18816-G
36576-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 4	34879-G
36577-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 5	17161-G
36578-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 6	18817-G
36579-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 7	18818-G
36580-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 8	18819-G
36581-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 9	18820-G
36582-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 10	18821-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36583-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 11	18822-G
36584-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 12	29273-G
36585-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 13	18824-G
36586-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 14	18825-G
36587-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 15	17737-G
36588-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 16	18826-G
36589-G	GAS RULE NO. 16 GAS SERVICE EXTENSIONS Sheet 17	18827-G
36590-G	GAS TABLE OF CONTENTS Sheet 1	36553-G
36591-G	GAS TABLE OF CONTENTS Sheet 6	36496-G
36592-G	GAS TABLE OF CONTENTS Sheet 7	36259-G
36593-G	GAS TABLE OF CONTENTS Sheet 8	36186-G



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to the extension of gas Distribution Mains* necessary to furnish Permanent Service to Applicants, and will be made in accordance with the following provisions:

A. GENERAL

1. DISTRIBUTION MAIN EXTENSION BASIS

- a. DESIGN. PG&E will be responsible for planning, designing, and engineering Distribution Main Extensions using PG&E's standards for material, design, and construction. Applicants may elect to use the Applicant Design Option provisions of this Rule to design that portion of the new Distribution Main Extension normally designed by PG&E.
- b. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.
 - 1) In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
 - 2) PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - a) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - b) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - c) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.

(N)

(N)

(L)

(L)

* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section I of this rule.

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 2

- A. GENERAL (Cont'd) (T)
1. DISTRIBUTION LINE EXTENSION BASIS (Cont'd)
- b. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT (Cont'd). (N)
- 3) Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when PG&E first invoices the customer for the extension of electric service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E. (N)
- c. OWNERSHIP. The Distribution Main Extension facilities installed under the provisions of this Rule shall be owned, operated, and maintained by PG&E, except for Substructures and enclosures that are on, under, within, or part of a building or structure. (T)/(L)
(L)
- d. PRIVATE LINES. PG&E shall not be required to serve any Applicant from Distribution Main Extension facilities that are not owned, operated, and maintained by PG&E. (T)/(L)
(L)
(L)
2. DISTRIBUTION MAIN EXTENSION LOCATIONS (L)
- a. RIGHTS-OF-WAY. PG&E will own, operate, and maintain Distribution Main Extension facilities only:
- 1) along public streets, alleys, roads, highways, and other publicly dedicated ways and places which PG&E has the legal right to occupy (franchise areas), and
- 2) on public lands and private property across which easements and permits satisfactory to PG&E may be obtained without cost to or condemnation by PG&E.
- b. NORMAL ROUTE OF LINE. The length and normal route of a Distribution Main Extension will be determined by PG&E and considered as the distance along the shortest, most practical, available, and acceptable route which is clear of obstructions from PG&E's nearest permanent and available distribution facility to the point from which the service facilities will be connected. (L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 3

A. GENERAL (Cont'd.)

3. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant will be installed at Applicant's expense in accordance with Rule 2—Description of Service.
4. TEMPORARY SERVICE. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service.
5. SERVICES. Service facilities connected to the Distribution Mains to serve a customer's premises will be installed, owned, and maintained as provided in Rule 16—Gas Service Extensions.
6. CONTRACTS. Each Applicant requesting a Distribution Main Extension may be required to execute a written contract(s) prior to PG&E performing its work on the Distribution Main Extension. Such contracts shall be in the form on file with the California Public Utilities Commission (Commission).

B. INSTALLATION RESPONSIBILITIES

1. APPLICANT RESPONSIBILITY. In accordance with PG&E's design, specifications, and requirements, Applicant is responsible for:
 - a. SUBSTRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary installed Substructures; and,
 - b. PROTECTIVE STRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary Protective Structures.

(L)

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 4

B. INSTALLATION RESPONSIBILITIES (Cont'd.)

(L)

2. **PG&E RESPONSIBILITY.** PG&E is responsible for the installation of Distribution Main, valves, regulators, and other related distribution equipment required to complete the Distribution Main Extension, including all necessary Trenching, backfilling, and other digging as required.

The Applicant may elect to provide the trench, as discussed in Section B.3.b. If Applicant chooses to perform the Trenching, it must also secure permits from the governmental authority having jurisdiction. If Applicant qualifies for an extension allowance under Section C, PG&E will provide Applicant with a reimbursement or credit for PG&E's project-specific estimated cost-per-foot of trench.

3. **INSTALLATION OPTIONS**

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may furnish and install the Substructures and/or Protective Structures, provided Applicant pays PG&E its total estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to install that portion of the new Distribution Main Extension normally installed by PG&E, in accordance with PG&E's design and specifications, using qualified contractors. (See Section G, Applicant Installation Option.)

C. EXTENSION ALLOWANCES

1. **GENERAL.** PG&E will complete a Distribution Main Extension without charge provided PG&E's total estimated installed cost does not exceed the allowances from bona-fide loads to be served by the Distribution Main Extension within a reasonable time, as determined by PG&E. The allowance will first be applied to the Residential Service Facilities, in accordance with Rule 16. Any excess allowance will be applied to the Distribution Main Extension to which the Service Extension is connected. The allowance for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extensions.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 5

C. EXTENSION ALLOWANCES (Cont'd.)

(L)

2. BASIS OF ALLOWANCES. Allowances shall be granted to an Applicant for Permanent Service; or to an Applicant for a subdivision or development under the following conditions:

- a. PG&E is provided evidence that construction will proceed promptly and financing is adequate; and
- b. Applicant has submitted evidence of building permit(s) or fully-executed home purchase contract(s) or lease agreement(s); or
- c. Where there is equivalent evidence of occupancy or gas usage satisfactory to PG&E.

The allowances in Section C.3 and C.4 are based on a revenue-supported methodology using the following formula:

$$\text{Allowance} = \frac{\text{Net Revenue}}{\text{Cost-of-Service Factor}}$$

where the Cost of Service Factor is the annualized utility-financed Cost of Ownership as stated in Gas Rule 2.

3. RESIDENTIAL ALLOWANCES. The allowance for Distribution Main Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service per meter or residential dwelling unit, on a per-unit basis, is as follows:

Water Heating.....	\$728 (I)
Space Heating	\$890 (I)
Oven/Range	\$ 79 (I)
Dryer Stub	\$ 30 (I)

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 6

C. EXTENSION ALLOWANCES (Cont'd.)

(L)

4. **NON-RESIDENTIAL ALLOWANCES.** The allowance for Distribution Main Extensions, Service Extensions, or a combination thereof, for Permanent Non-Residential service is determined by PG&E using the formula in Section C.2.

Where the Distribution Main Extension will serve a combination of residential and non-residential meters, residential allowances will be added to the non-residential allowances.

5. **SEASONAL, INTERMITTENT, AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined using the formula in Section C.2. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT

1. **GENERAL.** Contributions or Advances by an Applicant to PG&E for the installation of a Distribution Main Extension to receive PG&E service consists of such things as cash payments, the value of the facilities deeded to PG&E, and the value of Trenching performed by Applicant.
2. **PROJECT-SPECIFIC COST ESTIMATES.** PG&E's total estimated installed cost will be based on a project-specific estimated cost.
3. **CASH ADVANCE.** A cash advance will only be required if Applicant's excess allowance is less than PG&E's total estimated installed cost to complete a Distribution Main Extension.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 7

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

(L)

4. **POSTPONEMENT.** At PG&E's option, the payment of that portion of such an advance that PG&E estimates would be refunded within six (6) months under provisions of this rule may be postponed for six (6) months if: (1) PG&E is provided evidence the construction will proceed promptly and financing is adequate; (2) Applicant has submitted evidence of building permits(s) or fully executed home purchase contract(s) or lease agreement(s); or (3) where there is equivalent evidence of occupancy or gas usage satisfactory to PG&E; and (4) Applicant agrees in writing to pay at the end of six (6) months all amounts not previously Advanced.
5. **TAX.** All Contributions and Advances by Applicant are taxable and shall include an Income Tax Component Contribution (ITCC) at the rate provided in PG&E's Preliminary Statement. ITCC Tax will be either refundable or non-refundable in accordance with the corresponding Contribution.
6. **REFUNDABLE AND NON-REFUNDABLE AMOUNTS.** Applicant shall advance or contribute, before the start of PG&E's construction, the following:
 - a. **REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of PG&E's total estimated installed cost, including taxes, to complete the Distribution Main Extension (including distribution regulators, PG&E's estimated value of the Distribution Trenching, and any non-residential service facilities, and excluding Betterment), that exceeds the amount of the Distribution Main Extension allowance determined in Section C; or,
 - b. **NON-REFUNDABLE DISCOUNT OPTION.** In lieu of contributing the refundable amount determined in Section D.6.a, Applicant has the option of contributing, on a non-refundable basis, fifty percent (50%) of such refundable amount, plus
 - c. **OTHER NON-REFUNDABLE AMOUNTS.** Applicant's non-refundable amount is PG&E's estimated value of the Substructures, Protective Structures, required by PG&E for the Distribution Main Extension under Section B.1.
7. **JOINT APPLICANTS.** The total Contribution or Advance from a group of Applicants will be apportioned among the members of the group in such manner as they may mutually agree.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 8

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

(L)

8. PAYMENT ADJUSTMENTS.

- a. **CONTRACT COMPLIANCE.** If, after six (6) months following the date PG&E is first ready to serve residential loads for which allowances were granted (one (1) year for non-residential loads), Applicant fails to take service, or fails to use the service contracted for, Applicant shall pay PG&E an additional Contribution or Advance, based on the allowances for the revenues actually generated.
- b. **EXCESS FACILITIES.** If the loads provided by Applicant(s) result in PG&E installing facilities which are in excess of those needed to serve the actual loads, and PG&E elects to reduce such excess facilities, Applicant shall pay PG&E its estimated total cost to remove, abandon, or replace its excess facilities, less the estimated salvage value of any removed facilities.

E. REFUND BASIS

1. **GENERAL.** Refunds are based on the allowances and conditions in effect at the time the contract is signed. Residential Allowances: the allowance in excess of that needed for the Residential Service Extension in accordance with Rule 16 will be applied to the Distribution Main Extension to which the Service Extension is connected. Non-Residential Allowances: the allowances for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extension.
2. **TOTAL REFUNDABLE AMOUNT.** The total amount subject to refund is the sum of the refundable amounts made under Section D.6.
3. **REFUND PERIOD.** The total refundable amount is subject to refund for a period of ten (10) years after the Distribution Main Extension is first ready for service.
4. **RESIDENTIAL.** Refunds will be made on the basis of a new customer's Permanent Load which produces additional revenues to PG&E. The refund will be deducted from the total refundable amount, and the remaining amount subject to refund represents that portion of the Distribution Main Extension cost not supported by revenues. (See Section E.11 for series refund provisions.)
5. **NON-RESIDENTIAL.** PG&E shall be responsible for reviewing Applicant's actual base annual revenue for the first three (3) years from the date PG&E is first ready to serve. Applicant shall be responsible for notifying PG&E if new, permanent load is added from the fourth (4th) through the tenth (10th) year from the date first ready to serve. Such review shall determine if the additional revenue supports any refunds to the Applicant. (See Section E.11 for series refund provisions.)

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 9

E. REFUND BASIS (Cont'd.)

(L)

6. **UNSUPPORTED DISTRIBUTION MAIN EXTENSION COST.** When any portion of a refundable amount has not qualified for a refund at the end of thirty-six (36) months from the date PG&E is first ready to serve, Applicant will pay to PG&E a monthly Cost of Ownership charge (Gas Rule 2 applicant-financed Cost of Ownership percentage) on the remaining refundable balance. Monthly Cost of Ownership charges are in addition to the refundable amount, and will normally be accumulated and deducted from refunds due Applicant. This provision does not apply to individual residential Applicants.
7. **REFUND TIMING.** Refunds will be made without interest within ninety (90) days after the date of first service to new permanent loads, except that refunds may be accumulated to a fifty dollar (\$50) minimum, or the total refundable balance, if less than fifty dollars (\$50).
8. **MAXIMUM REFUND.** No refund shall be made in excess of the refundable amount nor after a period of ten (10) years from the date PG&E is first ready to serve. Any unrefunded amount remaining at the end of the ten (10) year period shall become the property of PG&E.
9. **PREVIOUS RULES.** Refundable amounts paid, Contributed, or Advanced under conditions of a rule previously in effect will be refunded in accordance with the provisions of such earlier rule.
10. **JOINT APPLICANTS.** When two (2) or more parties make joint Contributions or Advances on the same Distribution Main Extension, refunds will be distributed to these parties in the same proportion as their individual Contributions or Advances bear to the total refundable amount, or as they may mutually agree.
11. **SERIES OF DISTRIBUTION MAIN EXTENSIONS.** Where there are a series of Distribution Main Extensions, commencing with a Distribution Main Extension having an outstanding amount subject to refund, and each Distribution Main Extension is dependent upon the previous Distribution Main Extension as a direct source of supply, a series refund will be made as follows:
 - a. Additional service connections supplied from a Distribution Main Extension on which there is a refundable amount will provide refunds first to the Distribution Main Extension to which they are connected; and
 - b. When the amount subject to refund on a Distribution Main Extension in a series is fully refunded, the excess refundable amount will provide refunds to the Distribution Main Extension having the oldest outstanding amount subject to refund in the series.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 10

F. APPLICANT DESIGN OPTION

(L)

1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the Distribution Main Extension may be designed by Applicant's qualified contractor or sub-contractor, but the design must be in accordance with PG&E's design and construction standards. All applicant design work of gas and electric facilities must be performed by or under the direction of a licensed professional engineer and all design work submitted to PG&E must be certified by an appropriately licensed professional engineer, consistent with the applicable federal, state, and local codes and ordinances. The applicant design option is available to Applicants for new service and is not available for replacement, reinforcement, or relocation of existing systems, where there is no applicant for new line or service extension work. Under this option, the following applies:
 - a. Applicant shall notify PG&E, in a manner acceptable to PG&E.
 - b. Applicant designs shall conform to all applicable federal, state and local codes and ordinances for utility installations (such as, but not limited to the California Business and Professions Code).
 - c. PG&E may require applicant designers to meet its pre-qualification requirements prior to participating in applicant design.
 - d. Applicant designers shall obtain PG&E's design and construction standards and specifications prior to performing applicant design. PG&E may charge for any of these services.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 11

F. APPLICANT DESIGN OPTION (Cont'd.)

(L)

1. COMPETITIVE BIDDING (Cont'd.)

- e. PG&E will perform one plan check on each applicant design project at no expense to Applicant. All subsequent plan checks will be at Applicant's expense.
- f. For designs performed by a non-utility designer, PG&E will credit Applicant with the amount of PG&E's design bid less appropriate charges such as for plan checking, changes, or revisions.
- g. In the case of Applicant designed projects requiring an advance, PG&E will deduct the design credit from Applicant's advance.
- h. If no advance is required, PG&E will reimburse/refund the Applicant for the cost of the design after the Distribution Main Extension is first ready to serve.
- i. PG&E shall perform all project accounting and cost estimating.

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(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 12

G. APPLICANT INSTALLATION OPTION

(L)

1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the Distribution Main Extension may be installed by Applicant's qualified contractor or subcontractor in accordance with PG&E design and specifications. Under this option, the following applies:
 - a. Upon completion of Applicant's installation, and acceptance by PG&E, ownership of such facilities will transfer to PG&E.
 - b. Applicant shall provide to PG&E, prior to PG&E preparing the line extension contact, the Applicant's Contract Anticipated Costs subject to refund to perform the work normally provided by PG&E. The Applicant shall submit, on a form provided by PG&E, a statement of such costs. If the Applicant elects not to provide such costs to PG&E, the Applicant shall acknowledge its election on the form and PG&E will use its estimated costs.
 - c. Applicant shall pay to PG&E, subject to the refund and allowance provisions of Rules 15 and 16, PG&E's estimated cost of work performed by PG&E for the Distribution Main Extension, including the estimated costs of design, administration, and installation of any additional facilities.
 - d. The lower of PG&E's estimated refundable costs, or Applicant's Contract Anticipated Costs, as reported in G.1.b., for the work normally performed by PG&E, shall be subject to the refund and allowance provisions of Rules 15 and 16.
 - e. Applicant shall pay to PG&E the estimated cost of PG&E's inspection, which shall be a fixed amount not subject to reconciliation. Such inspection costs may be subject to otherwise available allowances up to the difference between the Applicant's Contract Anticipated Costs as reported in G.1.b. and PG&E's estimated costs for performing the same work, but not to exceed PG&E's estimated costs.
 - f. Only duly authorized employees of PG&E are allowed, to connect to, disconnect from, or perform any work upon PG&E's facilities.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 13

G. APPLICANT INSTALLATION OPTION (Cont'd.)

(L)

2. MINIMUM CONTRACTOR QUALIFICATIONS. Applicant's contractor or subcontractor (QC/S) shall:
 - a. Be licensed in California for the appropriate type of work, such as, but not limited to, gas and general.
 - b. Employ workmen properly qualified for the specific skills required (plastic fusion, welding, etc.).
 - c. Comply with applicable laws (Equal Opportunity regulations, OSHA, EPA, etc.)
3. OTHER CONTRACTOR QUALIFICATIONS. An Applicant for service who intends to employ a QC/S also should consider whether the QC/S:
 - a. Is technically competent.
 - b. Has access to proper equipment.
 - c. Demonstrates financial responsibility commensurate with the scope of the contract.
 - d. Has adequate insurance coverage (worker's compensation, liability, property damage, etc.).
 - e. Is able to furnish a surety bond for performance of the contract, if required.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 14

H. SPECIAL CONDITIONS

(L)

1. **FACILITY RELOCATION OR REARRANGEMENT.** Any relocation or rearrangement of PG&E's existing facilities, at the request of or to meet the convenience of an Applicant or customer, and agreed upon by PG&E, normally shall be performed by PG&E at Applicant's expense. Where new facilities can be constructed in a separate location, before abandonment or removal of any existing facilities, and Applicant requests to perform the new construction work, it can be performed under the applicable provisions of Section G, Applicant Installation Options.

In all instances, PG&E shall abandon or remove its existing facilities at the option of PG&E. Applicant or customer shall be responsible for the costs of all related relocation, rearrangement, and removal work.

2. **PERIODIC REVIEW.** PG&E will periodically review the factors it uses to determine its residential allowances, nonrefundable discount option percentage rate, and cost of service factor stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

Additionally, PG&E shall submit by advice letter proposed tariff revisions, which result from other relevant Commission decisions, to the allowance formula for calculating line and service extension allowances.

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(Continued)

Advice 4335-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	November 19, 2020
Effective	_____
Resolution	_____



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 15

H. SPECIAL CONDITIONS (Cont'd.)

(L)

3. EXCEPTIONAL CASES. When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling, or for the approval of special condition(s) which may be mutually agreed upon.
4. SERVICE FROM TRANSMISSION LINES. PG&E will not tap a gas transmission line except at its option, when conditions in its opinion justify such a tap. Such taps are made in accordance with the provisions of this rule.

I. DEFINITIONS FOR RULE 15

ADVANCES: Cash payments made to PG&E prior to the initiation of any work done by PG&E which is not covered by allowances.

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

APPLICANT'S CONTRACT ANTICIPATED COST: The cost estimate provided by the Applicant's contractor to the Applicant for performing the applicable refundable work, as stated on the Statement of Applicant's Contract Anticipated Costs (Form 79-1003), or in the case where the work is performed by the Applicant, the Applicant's own cost estimate on the signed form.

BETTERMENT: Facilities installed for PG&E's operating convenience such as, but not limited to the following: to improve gas flow or correct poor pressure conditions, to increase line capacity available to an existing system, to permit pressure conversion of an area, or to install proportionally larger pipe than necessary to provide for future load growth, will be installed at the expense of PG&E.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 16

I. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

CONTRIBUTION: In-kind services, and/or the value of all property conveyed to PG&E at any time during PG&E's work on an extension which is part of PG&E's total estimated installed cost of its facilities, or cash payments not covered by Applicant's allowances.

COST-OF-SERVICE FACTOR: The annualized utility-financed Cost of Ownership as presented in monthly format and stated in Gas Rule 2 that includes taxes, return, depreciation and is applied to the Net Revenue to determine PG&E's investment in distribution facilities.

DISTRIBUTION MAIN EXTENSION: The length of main and its related facilities required to transport gas from the existing distribution facilities to the point of connection with the service pipe.

A Distribution Main Extension consists of new distribution facilities of PG&E that are required to extend service into an open area not previously supplied to serve an Applicant. It is a continuation of, or branch from, the nearest available existing permanent Distribution Main, to the point of connection of the last service. PG&E's Distribution Main Extension includes any required Substructures and facilities for transmission taps but excludes service connections, services, and meters.

DISTRIBUTION MAINS: Mains which are operated at distribution pressure, and supply three (3) or more services or run parallel to the property line in a public right-of-way.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 17

I. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

DISTRIBUTION MAINS: Mains which are operated at distribution pressure, and supply three (3) or more services or run parallel to the property line in a public right-of-way.

EXCAVATION: All necessary Trenching, backfilling, and other digging to install Distribution Main Extension facilities, including furnishing of any imported backfill material and disposal of spoil as required, surface repair and replacement and landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: Small operating loads such as log lighters, barbecues, outdoor lighting, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

JOINT TRENCH: Excavation that intentionally provides for more than one service, such as gas, electricity, cable television, telephone, etc.

MONTHLY OWNERSHIP CHARGE: Cost of Ownership charges (from Gas Rule 2 customer-financed Cost of Ownership percentage) as a percentage rate applied against the outstanding unrefunded refundable balance after thirty six (36) months from the date PG&E is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

NET REVENUE: That portion of the total rate that supports PG&E's Distribution Main and Service Extension costs and excludes such items as fuel costs, transmission, public purpose programs, and other costs that do not support the Distribution Main and Service Extension costs.

NON-RESIDENTIAL ALLOWANCES NET REVENUE MULTIPLIER: This is a revenue-supported factor determined by PG&E that is applied to the net revenues expected from non-residential loads to determine non-residential allowances.

(L)

(Continued)



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 18

I. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

OWNERSHIP CHARGE: Monthly charge as a percentage rate applied against the outstanding unrefunded refundable balance after thirty-six (36) months from the date PG&E is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

PERMANENT SERVICE: Service which, in the opinion of PG&E is of a permanent and established character. This may be continuous, intermittent, or seasonal in nature.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), barriers, posts, barricades, and other structures as required by PG&E.

RESIDENTIAL DEVELOPMENT: Five (5) or more dwelling units in two (2) or more buildings located on a single parcel of land.

RESIDENTIAL SUBDIVISION: An area of five (5) or more lots for residential dwelling units which may be identified by filed subdivision plans or an area in which a group of dwellings may be constructed about the same time, either by a builder or several builders working on a coordinated basis.

SEASONAL SERVICE: Gas service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's gas facilities. This includes, but is not limited to, equipment vaults and boxes, required sleeves for street crossings, and enclosures, foundations, or pads for surface-mounted equipment.

TRENCHING: See Excavation.

(L)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to both: (1) PG&E's Service Facilities* that extend from PG&E's Distribution Main facilities to the Service Delivery Point, and (2) the service related equipment required of Applicant on Applicant's Premises to receive gas service.

A. GENERAL

1. **DESIGN.** PG&E will be responsible for planning, designing, and engineering its Service Extensions using PG&E's standards for design, materials, and construction. Applicants may elect to use the Applicant Design Option provisions in Rule 15 to design that portion of the new Service Extension normally designed by PG&E.
2. **CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.**
 - a. In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
 - b. PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - 1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - 2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - 3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
 - c. Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of gas service or the date when PG&E first invoices the customer for the extension of gas service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

(N)

(N)

(L)

(L)

* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section I of this rule.

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 2

- | | |
|---|---------------------------------|
| A. GENERAL (Cont'd.) | (T) |
| 3. SERVICE FACILITIES. For the purposes of this rule, PG&E's Service Facilities shall consist of (a) connection fittings, (b) service pipe, (c) valves, (d) regulators, (e) metering equipment, and (f) other PG&E-owned service related equipment. | (T)/(L)
(L)
(L) |
| 4. OWNERSHIP OF FACILITIES. Service Facilities installed under the provisions of this rule shall be owned, operated and maintained by PG&E. Applicant shall own, operate, and maintain facilities beyond the Service Delivery Point. | (T)/(L)
(L)
(L) |
| 5. PRIVATE LINES. PG&E shall not be required to connect Service Facilities to or serve any Applicant from gas facilities that are not owned, operated and maintained by PG&E. | (T)/(L)
(L)
(L) |
| 6. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2—Description of Service. | (T)/(L)
(L)
(L) |
| 7. TEMPORARY SERVICE FACILITIES. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service. | (T)/(L)
(L)

(L) |
| 8. CONTRACTS. Applicant requesting service may be required to execute a written contract(s) prior to PG&E performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission). | (T)/(L)
(L)

(L) |

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 3

- A. GENERAL (Cont'd.) (L)
9. DISTRIBUTION MAIN EXTENSIONS. Whenever PG&E's distribution system is not complete to the point designated by PG&E where the Service Extension is to be connected to PG&E's distribution system, the extension of Distribution Main facilities will be installed in accordance with Rule 15—Gas Main Extensions. (T)/(L)
(L)
|
(L)
10. RIGHTS-OF-WAY. Rights-of-way or easements may be required by PG&E to install Service Facilities on Applicant's property to serve only the Applicant. (T)/(L)
(L)
|
- a. SERVICE FACILITIES. If the Service Facilities must cross property owned by a third party to serve the Applicant, PG&E may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E; or
- b. DISTRIBUTION MAIN EXTENSIONS. If PG&E's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then PG&E may, at its option, install its facilities under Rule 15 after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E.
- c. CLEARANCES. Any necessary rights of way or easements for PG&E's facilities shall have provisions to maintain legal clearances from adjacent structures. (L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 4

- A. GENERAL (Cont'd.) (L)
11. ACCESS TO APPLICANT'S PREMISES. PG&E shall at all times have the right to enter and leave Applicant's Premises for any purpose connected with the furnishing of gas service (meter reading, inspection, testing, routine repairs, replacement, maintenance, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under PG&E's tariff schedules. These rights include, but are not limited to: (T)/(L)
(L)
- a. The use of a PG&E-approved locking device, if Applicant desires to prevent unauthorized access to PG&E's facilities.
 - b. Safe and ready access for PG&E personnel, free from unrestrained animals.
 - c. Unobstructed ready access for PG&E's vehicles and equipment to install, remove, repair or maintain its facilities.
 - d. Removal of any and all of its property installed on Applicant's Premises after the termination of service. (L)
12. SERVICE CONNECTIONS. Only personnel duly authorized by PG&E are allowed to connect or disconnect service pipe to or from PG&E's Distribution Main, remove meters, remove PG&E-owned Service Facilities, or perform any work upon PG&E-owned existing facilities. (T)/(L)
(L)
- B. METERING FACILITIES
1. GENERAL
- a. METER ALL USAGE. PG&E will meter delivery of all gas energy, unless otherwise provided for by PG&E's tariff schedules or by other applicable laws.
 - b. METER LOCATION. All PG&E meters and associated metering equipment shall be located at some protected location on Applicant's Premises as approved by PG&E. (L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 5

B. METERING FACILITIES (Cont'd.)

(L)

2. **NUMBER OF METERS.** PG&E normally will install only one meter for a single-family residence or a single nonresidential enterprise on a single Premises, except:

- a. When otherwise required or allowed under PG&E's tariff schedules;
- b. At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design; or,
- c. When required by law or local ordinance.
- d. When additional services are granted by PG&E.

A single meter is required for each single enterprise operating in one building or a group of buildings, or other development on a single Premises, such as, but not limited to, a commercial business, school campus, industrial manufacturer, or recreational vehicle parks, unless otherwise approved by PG&E. (See Rule 18—Supply to Separate Premise and Submetering of Gas for more information.)

3. **MULTIPLE OCCUPANCY.** In a building with two or more tenants, or where PG&E furnishes more than one meter on the same Premises, PG&E's meters normally shall be grouped at one central location, or as otherwise specified by PG&E, and each meter position shall be clearly and permanently marked by Applicant, customer, or owner of the Premises to indicate the particular unit, occupancy, or load supplied by it.
- a. **RESIDENTIAL.** PG&E will individually meter gas service to every residential unit in a residential building, or group of buildings, or other development on a single Premise with multiple tenants, such as, but not limited to, apartment buildings, mobile home parks, etc., except as may be otherwise specified in Rule 18 and applicable rate schedules.
 - b. **NON-RESIDENTIAL.** PG&E will individually meter gas service to each tenant in a non-residential building or group of buildings or other development on a single Premise with multiple tenants or enterprises, (such as, but not limited to, an office building or shopping center complex). Alternative metering arrangements, as determined by PG&E, may be allowed only as specified in Rule 18 and applicable rate schedules.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 6

C. SERVICE EXTENSIONS

(L)

1. GENERAL LOCATION. The location of the Service Extension facilities shall extend:
 - a. FRANCHISE AREA. From the point of connection at the Distribution Main to Applicant's nearest property line abutting upon any street, highway, road, or rights-of-way, along which it already has, or will install Distribution Main; and,
 - b. PRIVATE PROPERTY. On private property, along the shortest, most practical and available route (clear of obstructions) as necessary to reach a Service Delivery Point designated by PG&E.
2. NUMBER OF SERVICE EXTENSIONS. PG&E will not normally provide more than one Service Extension, including associated facilities, for any one building or group of buildings, for a single enterprise on a single Premises, except:
 - a. TARIFF SCHEDULES. Where otherwise allowed or required under PG&E's tariff schedules; or,
 - b. PG&E CONVENIENCE. At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design, or when replacing an existing service; or,
 - c. ORDINANCE. Where required by ordinance or other applicable law, for such things as gas powered fire pumps, etc.
 - d. OTHER. PG&E may charge for additional services provided under this paragraph, as special or added facilities.
3. BRANCH SERVICE. For additional approved Service Delivery Points to serve another Applicant on the same or adjoining Premises, PG&E may install a branch Service Extension at the option of PG&E, and will grant allowances under the conditions as set forth in Section E.
4. OTHER SERVICE CONNECTIONS. Where Applicant or customer requests another type of service connection, such as stub services, curb meters and vaults, or service from transmission lines, PG&E will consider each such request and will grant appropriate allowances as it may determine.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 7

C. SERVICE EXTENSIONS (Cont'd.)

(L)

5. **UNUSUAL SITE CONDITIONS.** In cases where Applicant's building is located a considerable distance from the available Distribution Main, or where there is an obstruction or other deterrent obstacle or hazard, such as plowed land, ditches, or inaccessible security areas between PG&E's Distribution Main and the building or facility to be served that would prevent PG&E from prudently installing, owning, and maintaining its Service Facilities, PG&E may at its discretion, modify the normal Service Delivery Point location. In such cases, the Service Delivery Point shall be at such other location on Applicant's property as may be mutually agreed upon; or, alternatively, the Service Delivery Point may be located at or near Applicant's property line, as close as practical to the available Distribution Main.

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS

1. **APPLICANT RESPONSIBILITY.** In accordance with PG&E's design, specifications, and requirements for the installation of Service Extensions, subject to PG&E's inspection and approval, Applicant is responsible for:
 - a. **SERVICE EXTENSIONS.**
 - 1) **CLEAR ROUTE.** Applicant shall provide (or pay for) a route on any private property that is clear of obstructions which would inhibit the construction of the Service Extensions.
 - 2) **EXCAVATION.** All necessary trenching, backfilling and other digging as required, including permit fees.
 - 3) **SUBSTRUCTURES.**
 - a) Furnishing, installing, owning, and maintaining all support pads, meter or regulator vaults or other Substructures on Applicant's Premises;
 - b) Furnishing and installing any Substructures in PG&E's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension; and,
 - c) Conveying ownership to PG&E upon its acceptance of those Substructures not on Applicant's Premises.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 8

- D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.) (L)
1. APPLICANT RESPONSIBILITY. (Cont'd.)
- a. SERVICE LATERAL EXTENSIONS. (Cont'd.)
- 4) PROTECTIVE STRUCTURES. Furnishing, installing, owning, and maintaining all necessary Protective Structures, as specified by PG&E, for PG&E's facilities on Applicant's Premises.
- b. APPLICANT'S FACILITY DESIGN AND OPERATION. Applicant shall be solely responsible to plan, design, install, own, maintain and operate facilities and equipment beyond the Service Delivery Point in order to properly receive and utilize the type of gas service available from PG&E. Refer to Rule 2, for a description, among other things, of:
- 1) The available service delivery pressures and the technical requirements and conditions to qualify for them,
- 2) Heating values of natural gas, and
- 3) Delivery volume adjustments due to altitude.
- c. REQUIRED SERVICE EQUIPMENT. Applicant shall, at its sole liability, risk and expense, be responsible to furnish, install, own, maintain, inspect and keep in good and safe condition, all facilities of any kind or character on Applicant's Premises, that are not the responsibility of PG&E, but are required by PG&E for Applicant to receive service. Such facilities shall include, but are not limited to gas pipe, valves, regulators, appliances, fixtures, and apparatus of any kind or character. Detailed information on PG&E's service equipment requirements will be furnished by PG&E. (L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 9

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY. (Cont'd.)

- d. **LIABILITY.** PG&E shall incur no liability whatsoever, for any damage, loss or injury occasioned by:
 - 1) Applicant-owned equipment or Applicant's transmission and delivery of energy; or,
 - 2) The negligence, omission of proper shut-off valves or other protective and safety devices, want of proper care, or wrongful act of Applicant, or any agents, employees, or licensees of Applicant, on the part of Applicant installing, maintaining, using, operating, or interfering with any such pipes, valves, regulators, or apparatus.
- e. **FACILITY TAMPERING.** Applicant shall provide a suitable means acceptable to PG&E for placing its seals on meters and related equipment. All PG&E-owned meters shall be sealed only by PG&E's authorized employees and such seals shall be broken only by PG&E's authorized employees. However, in an emergency, PG&E may allow a public authority, or other appropriate party to break the seal. Any unauthorized tampering with PG&E-owned seals or equipment, or connection of customer-owned facilities to PG&E's service pipe at any time, is prohibited, and is subject to the provisions of Rule 11—Discontinuance and Restoration of Service for unauthorized use.
- f. **LARGE METERING INSTALLATIONS ON APPLICANT'S PREMISES.** If it is necessary to have a large, specifically designed, PG&E-owned metering and related equipment installed on Applicant's Premises to serve Applicant, Applicant shall be responsible for complying with the following general provisions:
 - 1) **REQUIRED SPACE.** Applicant shall provide space, including working space, on Applicant's Premises, at a location approved by PG&E, for a metering installation, including any necessary regulators, pipes and valves.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 10

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY. (Cont'd.)

**f. LARGE METERING INSTALLATIONS ON CUSTOMER'S PREMISES.
(Cont'd.)**

2) ROOM OR VAULT. Where Applicant requests and PG&E approves the installation of the meter(s) or regulator(s) in a vault or room on Applicant's Premises, rather than PG&E's standard outdoor installation:

- a) The room or vault on Applicant's Premises shall be furnished, installed, owned, and maintained by customer, and shall meet PG&E's specifications for such things as access, ventilation, drainage, etc.
- b) If space cannot be provided on Applicant's Premises for the installation of a meter and regulator, a vault may be installed, at Applicant's expense, in the street area near property line. It shall be Applicant's responsibility to install such vault, if not restricted by the governmental authority having jurisdiction, and Applicant shall convey ownership of the vault to PG&E upon its acceptance. These additional facilities shall be treated as special facilities under the provisions of Rule 2.
- c) If PG&E's installed cost for the meter or regulator in the room or vault is more costly than the standard outdoor installation, the additional costs shall be paid by Applicant as special facilities.

g. BUILDING CODE REQUIREMENTS. Any service equipment and other service related equipment owned by Applicant, as well as any vault, room, enclosure, shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 11

- D. RESPONSIBILITIES FOR NEW SERVICE FACILITIES (Cont'd.) (L)
1. APPLICANT RESPONSIBILITY. (Cont'd.)
- h. REASONABLE CARE. Applicant shall exercise reasonable care to prevent PG&E's Service Extension, meters and other facilities owned by PG&E on Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with PG&E's operation of the facilities and shall notify PG&E of any obvious defect. Applicant may be required to provide and install suitable protection (barrier posts, etc.) as required by PG&E.
2. PG&E RESPONSIBILITY
- a. INSTALL SERVICE FACILITIES. PG&E will furnish, install, own and maintain the Service Facilities, as applicable after Applicant meets all requirements to receive service.
- b. GOVERNMENT INSPECTION. PG&E will establish gas service to Applicant following notice from the governmental authority having jurisdiction that the customer-owned facilities have been installed and inspected in accordance with any applicable laws, codes, ordinances, rules, or regulations, and are safe to pressurize.
3. INSTALLATION OPTIONS.
- a. PG&E PERFORMED WORK. Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Service Extension work normally the responsibility of Applicant according to Section D.1, provided Applicant pays PG&E its total estimated installed cost.
- b. APPLICANT PERFORMED WORK. Applicant may elect to use competitive bidding to install that portion of the new Service Extension normally installed and owned by PG&E, in accordance with the same provisions outlined in Rule 15. (L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 12

E. ALLOWANCES AND PAYMENTS BY APPLICANT

(L)

1. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Main Extensions, Service Extensions, or combination thereof, for Permanent Residential Service is determined by PG&E in accordance with the provisions of Rule 15 Section C. The allowance will first be applied to the Service Facilities. Any excess allowance will be applied to the Distribution Main Extension, to which the service is connected, in accordance with Rule 15.
2. **NON-RESIDENTIAL ALLOWANCES.** For non-residential Service Extension Applicants the value of such items as connection fittings, service pipe, valves, regulators, and metering equipment, (but not including such items defined as Applicant responsibility as listed in Section D) will be treated in accordance with the allowance and refund provisions of Rule 15.
3. **SEASONAL, INTERMITTENT, EMERGENCY AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowances for such loads shall be determined by using the formula in Section C of Rule 15. No allowance will be provided where service is used only for emergency purposes, or for insignificant loads.
4. **PAYMENTS.** Applicant is responsible to pay PG&E the following non-refundable costs, as applicable under this rule and in advance of PG&E commencing its work:
 - a. **EXCESS SERVICE FACILITIES.** PG&E estimated installed cost, including appurtenant facilities such as fittings, valves, service pipe, service regulators, and metering equipment, etc., in excess of the allowance.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 13

E. ALLOWANCES AND PAYMENTS BY APPLICANT (Cont'd.)

(L)

4. PAYMENTS (Cont'd.)

b. TAX. Any payments or contribution of facilities by Applicant are taxable Contributions in Aid of Construction (CIAC) and shall include an Income Tax Component of Contribution (ITCC) for state and federal tax at the rate provided in PG&E's Preliminary Statement.

c. OTHER. PG&E's total estimated cost for any work it performs that is Applicant's responsibility, or performs for the convenience of Applicant.

5. REFUNDS. No refunds apply to the installation of Residential Service Facilities under this Rule.

F. EXISTING SERVICE FACILITIES

1. SERVICE REINFORCEMENT.

a. PG&E-OWNED. When PG&E determines that its existing Service Facilities require replacement the existing Service Facilities shall be replaced as a new Service Extension under the provisions of this rule.

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 14

F. EXISTING SERVICE FACILITIES (Cont'd.)

(L)

1. SERVICE REINFORCEMENT. (Cont'd.)

- b. **APPLICANT OWNED.** The Applicant shall replace or reinforce that portion of the Service Extension which the Applicant will continue to own under the provisions of this rule.

2. SERVICE RELOCATION OR REARRANGEMENT.

- a. **PG&E CONVENIENCE.** When, in the judgment of PG&E, the relocation or rearrangement of a service is necessary for the maintenance of adequate service, or for the operating convenience of PG&E, PG&E normally will perform such work at its own expense, except as provided in Sections F.2.b, F.3 or F.4.
- b. **APPLICANT CONVENIENCE.** Any relocation or rearrangement of PG&E's existing Service Facilities, at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by PG&E, the work shall be performed in accordance with Section D, except that Applicant shall pay PG&E its total estimated costs.

In all instances, PG&E shall abandon or remove the existing facilities at the option of PG&E, rendered idle by the relocation, or rearrangement.

3. IMPAIRED ACCESS AND CLEARANCES. Whenever PG&E determines that:

- a. **ACCESS.** Its existing Service Facilities have become inaccessible for inspections, operating, maintenance, meter reading, or testing; or,
- b. **CLEARANCE.** A hazardous condition exists, or any of the required clearances between the existing Service Facilities and any object become impaired, under any applicable laws, ordinances, rules, regulations of PG&E or of public authorities, then the following applies:

(L)

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 15

F. EXISTING SERVICE FACILITIES (Cont'd.)

(L)

3. IMPAIRED ACCESS AND CLEARANCES. (Cont'd.)

c. CORRECTIVE ACTION. Applicant or owner shall, at Applicant's or owner's expense, either correct the access or clearance infractions, or pay PG&E its total estimated cost to relocate its facilities to a new location which is acceptable to PG&E. Applicant or owner shall also be responsible for the expense to relocate any equipment which Applicant owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.

4. DAMAGED FACILITIES. When PG&E's facilities are damaged by others, the repair will be made by PG&E at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

5. SUBDIVISION OF PREMISES. When PG&E's Service Facilities are located on private property, and such private property is subsequently subdivided into separate Premises, with ownership transferred to other than Applicant or customer, the subdivider is required to provide PG&E with adequate rights of way, satisfactory to PG&E, for its existing facilities, and to notify property owners of the subdivided Premises of the existence of the right-of-way.

When adequate rights-of-way are not granted as a result of the property subdivision, PG&E shall have the right, upon written notice to the current customer, to discontinue service without obligation or liability. The existing owner, Applicant or customer shall pay to PG&E the total estimated cost of any required relocation of PG&E's facilities. A new gas service will be re-established in accordance with the provisions of Section D for new services and the provisions of any other applicable PG&E rules.

G. PERIODIC REVIEW. PG&E will periodically review the factors it uses to determine its allowances and costs stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

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(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 16

H. EXCEPTIONAL CASES. When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to Public Utilities Commission for a special ruling or for the approval of special conditions which may be mutually agreed upon.

(L)

I. DEFINITIONS FOR RULE 16

APPLICANT: A person or agency requesting PG&E to supply Gas Service.

DISTRIBUTION MAIN: PG&E's gas facilities, which are operated at distribution pressure and which are designed to supply three (3) or more services.

EXCAVATION: All necessary trenching, backfill, and other digging as required to install Service Extensions, including furnishing of any imported backfill material and disposal of spoil as required, surface repair and replacement, landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: These are small operating loads, such as log lighters, barbecues, outdoor lighting, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

PREMISES: All of the real property and apparatus employed in a single enterprise on a integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highway or other public thoroughfare or a railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the premises served.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), barriers, posts, barricades and other structures as required by PG&E.

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(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 17

I. DEFINITIONS FOR RULE 16 (Cont'd.)

(L)

SEASONAL SERVICE: Gas service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part time establishments.

SERVICE DELIVERY POINT: Where PG&E's Service Facilities are connected to Applicant's pipe (house line), normally adjacent to the location of the meter(s).

SERVICE EXTENSION: The pipe, valves, meters, regulators, and associated equipment extending from the point of connection at the Distribution Main to the Service Delivery Point, which is normally on Applicant's Premises.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's gas facilities. This includes, but is not limited to, equipment vaults and boxes, required sleeves for street crossings, and enclosures, foundations or pads for surface-mounted equipment.

TRENCHING: See Excavation.

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Advice 4335-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

November 19, 2020



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47840-E	ELECTRIC RULE NO. 16 SERVICE EXTENSIONS Sheet 22	45467-E
47841-E	ELECTRIC RULE NO. 16 SERVICE EXTENSIONS Sheet 23	45468-E
47842-E	ELECTRIC RULE NO. 16 SERVICE EXTENSIONS Sheet 24	45469-E
47843-E	ELECTRIC TABLE OF CONTENTS Sheet 1	47781-E
47844-E	ELECTRIC TABLE OF CONTENTS Sheet 19	47721-E



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to extension of electric Distribution Lines* of PG&E's standard voltages (less than 50 kV) necessary to furnish Permanent electric service to Applicants, and will be made in accordance with the following provisions:

A. GENERAL

1. DISTRIBUTION LINE EXTENSION BASIS

- a. **DESIGN.** PG&E will be responsible for planning, designing, and engineering Distribution Line Extensions using PG&E's standards for material, design, and construction. Applicants may elect to use the Applicant Design Option provisions of this Rule to design that portion of the Distribution Line Extension normally designed by PG&E.

- b. **CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.**

- 1) In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
- 2) PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - a) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - b) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - c) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
- 3) Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when PG&E first invoices the customer for the extension of electric service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

(N)

(N)

(L)

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* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section J of this rule.

(Continued)



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 2

- A. GENERAL (Cont'd). (L)
1. DISTRIBUTION LINE EXTENSION BASIS (Cont'd.) (L)
- c. OWNERSHIP. The Distribution Line Extension facilities installed under the provisions of this rule, shall be owned, operated, and maintained by PG&E, except for Substructures and enclosures that are on, under, within, or part of a building or structure. (T)/(L)
(L)
- d. PRIVATE LINES. PG&E shall not be required to serve any Applicant from Distribution Line Extension facilities that are not owned, operated, and maintained by PG&E. (T)/(L)
(L)
2. DISTRIBUTION LINE EXTENSION LOCATIONS (L)
- a. RIGHTS OF WAY. PG&E will own, operate and maintain Distribution Line Extension facilities only:
- 1) along public streets, alleys, roads, highways and other publicly dedicated ways and places which PG&E has the legal right to occupy (franchise areas), and
- 2) on public lands and private property across which rights of way and permits satisfactory to PG&E may be obtained without cost to or condemnation by PG&E.
- b. NORMAL ROUTE OF LINE. The length and normal route of a Distribution Line Extension will be determined by PG&E and considered as the distance along the shortest, most practical, available, and acceptable route which is clear of obstructions from PG&E's nearest permanent and available distribution facility to the point from which the service facilities will be connected. (L)

(Continued)

Advice 6006-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

November 19, 2020



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 3

A. GENERAL (Cont'd.)

(L)

3. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. UNDERGROUND REQUIRED. Underground Distribution Line Extensions shall be installed where required to comply with applicable laws and ordinances or similar requirements of governmental authorities having jurisdiction and where PG&E maintains or desires to maintain underground distribution facilities. For example, underground Distribution Line Extensions are required for all new: (1) Residential Subdivisions (except as provided for in Section H), (2) Residential Developments, (3) Commercial Developments, (4) Industrial Developments, and (5) locations that are in proximity to and visible from designated Scenic Areas.
- b. UNDERGROUND OPTIONAL. When requested by Applicant and agreed upon by PG&E, underground Distribution Line Extensions may be installed in areas where it is not required, as provided in Section A.3.a.
- c. Beginning January 1, 2021, PG&E will no longer accept requests under the Special Facilities provision of Rule 2, Section I, for underground distribution systems that call for specified pieces of electrical equipment to be installed in below-ground structures in circumstances where it is technically feasible to install the equipment above ground. Such requests will no longer be accepted for situations indicated in A.3.c.i, A.3.c.ii, and with certain exceptions A.3.c.iii, below. However, all requests which call for below ground installations that are received by PG&E prior to January 1, 2021 will be "grandfathered" and not subject to the provisions of this Rule section. These grandfathered requests must be approved by PG&E for construction by April 1, 2021 and installed by April 1, 2022.
 - i. New construction on any property except public property and public rights-of-way;
 - ii. Circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities on any property except public property and public rights of way resulting in a change of use or occupancy as defined in state or local law;
 - iii. Except for situations on a case-by-case basis in which the local authority and PG&E agree to locate Equipment above ground because the above-ground location is technically feasible for the installation.

(L)

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 4

A. GENERAL (Cont'd.)

(L)

3. UNDERGROUND DISTRIBUTION LINE EXTENSIONS (cont'd)

c. (cont'd)

For purposes of this provision, specified pieces of equipment include all primary voltage from 4 kV to 35 kV electrical distribution system equipment (Equipment), including, but not limited to, transformers, switches and fuses, capacitors, and junction bars.

“Technically feasible” means that enough space is, or can be made, available above ground for the electrical distribution Equipment needed for PG&E to serve customers and that other requirements, such as obtaining the required permits, are met. The required space is defined by existing design standards within the operation and maintenance requirements that are in compliance with applicable safety codes and regulations such as CPUC General Order 128.

Where PG&E has existing primary voltage distribution equipment installed in below ground structures, the equipment will continue to be operated and maintained below ground. However, in accordance with Section A.3.c.iii, above, where existing below-ground Equipment must be modified by PG&E, above-ground retrofits shall only occur in circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities resulting in a change of use or occupancy as defined in state or local law; or when agreed to by the local authority and PG&E on a case-by-case basis.

Design and installation of any above-ground Equipment shall comply with the typical installations depicted in PG&E’s Electric Design Manual, as well as land use laws, including local ordinances respecting matters of public health, safety and convenience, that are of general applicability to above-ground utility structures regardless of ownership, to the extent the same would not directly or effectively require the Equipment to be located underground.

When modifying existing Equipment installed in the above-ground public rights-of-way, PG&E shall comply with local ordinances respecting matters of public health and safety and convenience, to the extent that the same are of general applicability to other utility and public works structures or equipment, regardless of ownership, installed in the public rights-of-way do not directly or effectively require the Equipment to be located underground, or otherwise conflict with the design standards contained in PG&E’s Electric Design Manual and similar documents.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 5

A. GENERAL (Cont'd.)

4. OVERHEAD DISTRIBUTION LINE EXTENSIONS. Overhead extensions may be installed only where underground Distribution Line Extensions are not required as provided in Section A.3.a.
5. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant will be installed at Applicant's expense in accordance with Rule 2—Description of Service.
6. TEMPORARY SERVICE. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service.
7. SERVICES. Service facilities connected to the Distribution Lines to serve an Applicant's premises will be installed, owned and maintained as provided in Rule 16—Service Extensions.
8. CONVERSIONS OF OVERHEAD TO UNDERGROUND. The replacement of existing overhead Distribution Lines with underground Distribution Lines will be made in accordance with Rule 20—Replacement of Overhead With Underground Electric Facilities.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 6

A. GENERAL (Cont'd.)

9. STREET LIGHTS. Street lights and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.
10. CONTRACTS. Each Applicant requesting a Distribution Line Extension may be required to execute a written contract(s), prior to PG&E performing its work on the Distribution Line Extension. Such contracts shall be in the form on file with the California Public Utilities Commission (Commission).

B. INSTALLATION RESPONSIBILITIES

1. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. APPLICANT RESPONSIBILITY. In accordance with PG&E's design, specifications, and requirements, Applicant is responsible for:
 - 1) EXCAVATION. All necessary trenching, backfilling, and other digging as required.
 - 2) SUBSTRUCTURES AND CONDUITS. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary installed Substructures and Conduits, including Feeder Conduits and related Substructures required to extend to and within subdivisions and developments.
 - 3) PROTECTIVE STRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary Protective Structures.
- b. PG&E RESPONSIBILITY. PG&E is responsible for furnishing and installing cables, switches, transformers, and other distribution facilities required to complete the Distribution Line Extension.

2. OVERHEAD DISTRIBUTION LINE EXTENSIONS. PG&E is responsible for furnishing and installing all facilities required for the Distribution Pole Line Extension.

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(Continued)



**ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS**

Sheet 7

B. INSTALLATION RESPONSIBILITIES (Cont'd.)

(L)

3. INSTALLATION OPTIONS

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Distribution Line Extension work normally installed by Applicant according to Section B.1.a., provided Applicant pays PG&E its total estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to install that portion of the new Distribution Line Extension normally installed by PG&E, in accordance with PG&E's design and specifications, using qualified contractors. (See Section G, Applicant-Installation Options).

C. DISTRIBUTION LINE EXTENSION ALLOWANCES

1. **GENERAL.** PG&E will complete a Distribution Line Extension without charge provided PG&E's total estimated installed costs do not exceed the allowances from permanent, bona-fide loads to be served by the Distribution Line Extension within a reasonable time, as determined by PG&E. The allowance will first be applied to the Residential Service Facilities, in accordance with Rule 16. Any excess allowance will be applied to the Distribution Line Extension to which the Service Extension is connected. The allowance for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extensions.
2. **BASIS OF ALLOWANCES.** Allowances shall be granted to an Applicant for Permanent Service, or to an Applicant for a subdivision or development under the following conditions:
 - a. PG&E is provided evidence that construction will proceed promptly and financing is adequate, and
 - b. Applicant has submitted evidence of building permit(s) or fully-executed home purchase contract(s) or lease agreement(s), or
 - c. Where there is equivalent evidence of occupancy or electric usage satisfactory to PG&E.

The allowances in Sections C.3 and C.4 are based on a revenue-supported methodology using the following formula:

$$\text{Allowance} = \frac{\text{Net Revenue}}{\text{Cost-of Service Factor}}$$

where the Cost of Service Factor is the annualized utility-financed Cost of Ownership as stated in Electric Rule 2

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 8

C. DISTRIBUTION LINE EXTENSION ALLOWANCES (Cont'd.)

(L)

3. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service is \$2,154 per meter or residential dwelling unit.

4. **NON-RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Non-Residential Service is determined by PG&E using the formula in Section C.2.

Where the Distribution Line Extension will serve a combination of residential and non-residential meters, residential allowances will be added to non-residential allowances.

5. **SEASONAL, INTERMITTENT, EMERGENCY, AND INSIGNIFICANT LOADS.** When an Applicant requests service that requires a Distribution Line Extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined using the formula in Section C.2. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT

1. **GENERAL.** Contributions or Advances by an Applicant to PG&E for the installation of a Distribution Line Extension to receive PG&E service consists of such things as cash payments, the value of facilities deeded to PG&E, and the value of Excavation performed by Applicant.

2. **PROJECT-SPECIFIC COST ESTIMATES.** PG&E's total estimated installed cost will be based on a project-specific estimated cost.

3. **CASH ADVANCE.** A cash Advance will be required only if Applicant's excess allowance is less than PG&E's total estimated installed cost to complete a Distribution Line Extension.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 9

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

(L)

4. **TAX.** All contributions and advances by Applicant are taxable and shall include an Income Tax Component of Contribution (ITCC) at the rate provided in PG&E's Preliminary Statement. ITCC will be either refundable or non-refundable in accordance with the corresponding contribution.
5. **REFUNDABLE AND NON-REFUNDABLE AMOUNTS.** Applicant shall contribute or advance, before the start of PG&E's construction, the following:
 - a. **UNDERGROUND REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of the PG&E's total estimated installed cost, including ITCC, to complete the underground Distribution Line Extension (including distribution transformers, and any non-residential service facilities, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:
 - 1) **CABLING.** The estimated installed cost of any necessary Cabling (including distribution transformers and any non-residential service facilities) installed by PG&E to complete the underground Distribution Line Extension. This includes the cost of conversion of existing single-phase lines to three-phase lines, if required; plus
 - 2) **SUBSTRUCTURES.** PG&E's estimated value of Substructures installed by Applicant and deeded to PG&E as required.
 - b. **OVERHEAD REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of the PG&E's total estimated installed cost, including ITCC, to complete the overhead Distribution Line Extension (including distribution transformers, and any non-residential service facilities, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:
 - 1) **POLE LINE.** All necessary facilities required for an overhead Distribution Pole Line Extension and, if required, the conversion of existing single-phase lines to three-phase lines; plus
 - 2) **TRANSMISSION UNDERBUILDS.** PG&E's total estimated installed cost of the underbuild, where all or a portion of an overhead Distribution Line Extension is to be constructed on existing transmission poles of PG&E.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 10

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

(L)

5. REFUNDABLE AND NON-REFUNDABLE AMOUNTS (Cont'd.)

- c. **NON-REFUNDABLE DISCOUNT OPTION.** In lieu of contributing the refundable amount determined in Section D.5.a or D.5.b, Applicant has the option of contributing, on a non-refundable basis, fifty percent (50%) of such refundable amount; plus
- d. **OTHER NON-REFUNDABLE AMOUNTS.** Applicant's non-refundable amount is PG&E's estimated value of Excavation, Conduits, and Protective Structures required by PG&E for the Distribution Line Extension under Section B.1.a.

- 6. **JOINT APPLICANTS.** The total contribution or advance from a group of Applicants will be apportioned among the members of the group in such manner as they may mutually agree.

7. PAYMENT ADJUSTMENTS

- a. **CONTRACT COMPLIANCE.** If, after six (6) months following the date PG&E is first ready to serve residential loads for which allowances were granted, one (1) year for non-residential loads, Applicant fails to take service, or fails to use the service contracted for, Applicant shall pay to PG&E an additional contribution or Advance, based on the allowances for the revenue actually generated.
- b. **EXCESS FACILITIES.** If the loads provided by Applicant(s) result in PG&E having installed facilities which are in excess of those needed to serve the actual loads, and PG&E elects to reduce such excess facilities, Applicant shall pay PG&E its estimated total costs to remove, abandon, or replace the excess facilities, less the estimated salvage of any removed facilities.

E. REFUNDS

- 1. **GENERAL.** Refunds are based on the allowances and conditions in effect at the time the contract is signed. Residential Allowances: the allowance in excess of that needed for the Residential Service Extension in accordance with Rule 16 will be applied to the Distribution Line Extension to which the Service Extension is connected. Non-Residential Allowances: the allowances for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extension.
- 2. **TOTAL REFUNDABLE AMOUNT.** The total amount subject to refund is the sum of the refundable amounts made under Section D.5.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 11

E. REFUNDS (Cont'd.)

3. REFUND PERIOD. The total refundable amount is subject to refund for a period of ten (10) years after the Distribution Line Extension is first ready for service.
4. RESIDENTIAL. Refunds will be made on the basis of a new customer's Permanent Load which produces additional revenues to PG&E. The refund will be deducted from the total refundable amount, and the remaining amount subject to refund represents that portion of the Distribution Line Extension cost not supported by revenues. (See Section E.11 for series refunding provisions.)
5. NON-RESIDENTIAL. PG&E shall be responsible to review Applicant's actual base annual revenue for the first three years from the date PG&E is first ready to serve. Applicant shall be responsible for notifying PG&E if new, permanent load is added the fourth through tenth year from the date PG&E is first ready to serve. Such review shall determine if additional revenue supports any refunds to Applicant. (See Section E.11 for series refunding provisions.)
6. UNSUPPORTED DISTRIBUTION LINE EXTENSION COST. When any portion of a refundable amount has not qualified for a refund at the end of twelve (12) months from the date PG&E is first ready to serve, Applicant will pay to PG&E a monthly Cost of Ownership charge (Electric Rule 2 applicant-financed Cost of Ownership percentage) on the remaining refundable balance. Monthly Cost of Ownership costs are in addition to the refundable amount and will normally be accumulated and deducted from refunds due to Applicant. This provision does not apply to individual residential Applicants.
7. REFUND TIMING. Refunds will be made without interest within ninety (90) days after the date of first service to new permanent loads, except that refunds may be accumulated to fifty-dollars (\$50) minimum or the total refundable balance, if less than fifty-dollars (\$50).
8. MAXIMUM REFUND. No refund shall be made in excess of the refundable amount nor after a period of ten (10) years from the date PG&E is first ready to serve. Any unrefunded amount remaining at the end of the ten(10)-year period shall become property of PG&E.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 12

E. REFUNDS (Cont'd.)

(L)

9. PREVIOUS RULES. Refundable amounts Contributed or Advanced under conditions of a rule previously in effect will be refunded in accordance with the provisions of such earlier rule.
10. JOINT APPLICANTS. When two (2) or more parties make joint Contributions or Advances on the same Distribution Line Extension, refunds will be distributed to these parties in the same proportion as their individual Contributions or Advances bear to the total refundable amount, or as they mutually agree.
11. SERIES OF DISTRIBUTION LINE EXTENSIONS. Where there is a series of Distribution Line Extensions, commencing with a Distribution Line Extension having an outstanding amount subject to refund, and each Distribution Line Extension is dependent on the previous Distribution Line Extension as a direct source of supply, a series refund will be made as follows:
 - a. Additional service connections supplied from a Distribution Line Extension on which there is a refundable amount will provide refunds first to the Distribution Line Extension to which they are connected; and
 - b. When the amount subject to refund on a Distribution Line Extension in a series is fully refunded, the excess refundable amount will provide refunds to the Distribution Line Extension having the oldest outstanding amount subject to refund in the series.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 13

F. APPLICANT DESIGN OPTION

(L)

1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the Distribution Line Extension may be designed by Applicant's qualified contractor or sub-contractor, but the design must be in accordance with PG&E's design and construction standards. All applicant design work of gas and electric facilities must be performed by or under the direction of a licensed professional engineer and all design work submitted to PG&E must be certified by an appropriately licensed professional engineer, consistent with the applicable federal, state, and local codes and ordinances. The applicant design option is available to Applicants for new service and is not available for replacement, reinforcement, or relocation of existing systems, where there is no applicant for new line or service extension work. Under this option, the following applies:
 - a. Applicant shall notify PG&E, in a manner acceptable to PG&E.
 - b. Applicant designs shall conform to all applicable federal, state and local codes and ordinances for utility installations (such as, but not limited to the California Business and Professions Code).
 - c. PG&E may require applicant designers to meet its pre-qualification requirements prior to participating in applicant design.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 14

- F. APPLICANT DESIGN OPTION FOR NEW RESIDENTIAL INSTALLATIONS (L)
(Cont'd.)
1. COMPETITIVE BIDDING (Cont'd.)
- d. Applicant designers shall obtain PG&E's design and construction standards and specifications prior to performing applicant design. PG&E may charge for any of these services.
 - e. PG&E will perform one plan check on each applicant design project at no expense to Applicant. All subsequent plan checks will be at Applicant's expense.
 - f. For designs performed by a non-utility designer, PG&E will credit Applicant with the amount of PG&E's design bid less appropriate charges such as for plan checking, changes, or revisions.
 - g. In the case of Applicant designed projects requiring an advance, PG&E will deduct the design credit from Applicant's advance.
 - h. If no advance is required, will reimburse/refund the Applicant for the cost of the design after the Distribution Line Extension is first ready to serve.
 - i. PG&E shall perform all project accounting and cost estimating.
 - j. The applicant design option for new non-residential installations will be available as an option to Applicants no later than July 1, 2001.
- G. APPLICANT INSTALLATION OPTIONS
1. COMPETITIVE BIDDING. When Applicant selects competitive bidding, the extension may be installed by Applicant's qualified contractor or sub-contractor in accordance with PG&E's design and specifications. Under this option, the following applies: (L)

(Continued)



**ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS**

Sheet 15

G. APPLICANT INSTALLATION OPTIONS (Cont'd.)

(L)

1. COMPETITIVE BIDDING (Cont'd.)

Upon completion of Applicant's installation and acceptance by PG&E, ownership of all such facilities will transfer to PG&E.

- b. Applicant shall provide to PG&E, prior to PG&E preparing the line extension contract, the Applicant's Contract Anticipated Costs subject to refund to perform the work normally provided by PG&E. The Applicant shall submit, on a form provided by PG&E, a statement of such costs. If the Applicant elects not to provide such costs to PG&E, the Applicant shall acknowledge its election on the form and PG&E will use its estimated costs.
- c. Applicant shall pay to PG&E, subject to the refund and allowance provisions of Rules 15 and 16, PG&E's estimated cost of work performed by PG&E for the Distribution Line Extension, including the estimated costs of design, administration, and installation of any additional facilities.
- d. The lower of PG&E's estimated refundable costs, or Applicant's Contract Anticipated Costs, as reported in G.1.b., for the work normally performed by PG&E, shall be subject to the refund and allowance provisions of Rules 15 and 16.
- e. Applicant shall pay to PG&E the estimated cost of PG&E's inspection, which shall be a fixed amount not subject to reconciliation. Such inspection costs may be subject to otherwise available allowances up to the difference between the Applicant's Contract Anticipated Costs as reported in G.1.b. and PG&E's estimated costs for performing the same work, but not to exceed PG&E's estimated costs.
- f. Only duly authorized employees of PG&E are allowed to connect to, disconnect from, or perform any work upon PG&E's facilities.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 16

G. APPLICANT INSTALLATION OPTIONS (Cont'd.)

(L)

2. MINIMUM CONTRACTOR QUALIFICATIONS. Applicant's contractor or subcontractor (QC/S) shall:
 - a. Be licensed in California for the appropriate type of work (electrical and general, etc.).
 - b. Employ workmen properly qualified for specific skills required (Qualified Electrical Worker, Qualified Person, etc.) as defined in State of California High Voltage Safety Orders (Title 8, Chapter 4, Subchapter 5, Group 2).
 - c. Comply with applicable laws (Equal Opportunity Regulations, OSHA, EPA, etc.)
3. OTHER CONTRACTOR QUALIFICATIONS. An Applicant for service who intends to employ a QC/S also should consider whether the QC/S:
 - a. Is technically competent.
 - b. Has access to proper equipment.
 - c. Demonstrates financial responsibility commensurate with the scope of the contract.
 - d. Has adequate insurance coverage (worker's compensation, liability, property damage).
 - e. Is able to furnish a surety bond for performance of the contract, if required.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 17

- H. OVERHEAD DISTRIBUTION LINE EXTENSIONS FOR SUBDIVISIONS OR DEVELOPMENTS (L)
1. Overhead extensions may be constructed in Residential Subdivisions or Developments only where either a. or b. below are found to exist:
 - a. The lots within the Residential Subdivision or Development existed as legally described parcels prior to May 5, 1970, and significant overhead lines exist within the subdivision or development.
 - b. The minimum parcel size within the new Residential Subdivision or real estate development, identifiable by a map filed with the local government authority, is three (3) acres and Applicant for the Distribution Line Extension shows that all of the following conditions exist:
 - 1) Local ordinances do not require underground construction.
 - 2) Local ordinances or land use policies do not permit further division of the parcels involved such that parcel sizes less than three (3) acres could be formed.
 - 3) Local ordinances or deed restrictions do not allow more than one single-family dwelling or accommodation on a parcel of less than three (3) acres, or any portion of a parcel of less than three (3) acres.
 - 4) Exceptional circumstances do not exist which, in PG&E's opinion, warrant the installation of underground distribution facilities. Whenever PG&E invokes this provision, the circumstances shall be described promptly in a letter to the Commission, with a copy to Applicant for the Distribution Line Extension.
 - 5) PG&E does not elect to install the Distribution Line Extension underground for its operating convenience. Whenever PG&E elects to install the extension underground for its operating convenience, the extra cost compared with overhead shall be borne by PG&E. (L)

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 18

I. SPECIAL CONDITIONS

(L)

1. **FACILITY RELOCATION OR REARRANGEMENT.** Any relocation or rearrangement of PG&E's existing facilities, at the request of, or to meet the convenience of an Applicant or customer, and agreed upon by PG&E, normally shall be performed by PG&E. Where new facilities can be constructed in a separate location, before abandonment or removal of any existing facilities, and Applicant requests to perform the new construction work, it can be performed under the applicable provisions of Section G, Applicant Installation Options.

In all instances, PG&E shall abandon or remove its existing facilities, at the option of PG&E. Applicant or customer shall be responsible for the costs of all related relocation, rearrangement and removal work.

2. **PERIODIC REVIEW.** PG&E will periodically review the factors it uses to determine its residential allowances, non-refundable discount option percentage rate, and Cost-of-Service Factor stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

Additionally, PG&E shall submit by advice letter proposed tariff revisions, which result from other relevant Commission decisions, to the allowance formula for calculating line and service extension allowances.

3. **EXCEPTIONAL CASES.** When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling or for special condition(s), which may be mutually agreed upon.

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(Continued)



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 19

J. DEFINITIONS FOR RULE 15

(L)

ADVANCE: Cash payments made to PG&E prior to the initiation of any work done by PG&E which is not covered by allowances.

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

APPLICANT'S CONTRACT ANTICIPATED COST: The cost estimate provided by the Applicant's contractor to the Applicant for performing the applicable refundable work, as stated on the Statement of Applicant's Contract Anticipated Costs (Form 79-1003), or in the case where the work is performed by the Applicant, the Applicant's own cost estimate on the signed form.

BETTERMENT: Facilities installed by Applicant at the request of PG&E in addition to those required under Section B.1.

CABLING: Conductors (including cable-in-conduit, if used), connectors, switches, as required by PG&E for primary, secondary, and service installations.

COMMERCIAL DEVELOPMENT: Two (2) or more enterprises engaged in trade or the furnishing of services, (e.g., shopping centers, sales enterprises, business offices, professional offices, and educational or governmental complexes) and located on a single parcel or on two (2) or more contiguous parcels of land.

CONDUIT: Ducts, pipes, or tubes of certain metals, plastics or other materials acceptable to PG&E (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

CONTRIBUTION: In-kind services and the value of all property conveyed to PG&E at any time during PG&E's work on an extension which is part of PG&E's total estimated installed cost of its facilities, or cash payments not covered by Applicant's allowances.

COST OF SERVICE FACTOR: The annualized utility-financed Cost of Ownership as stated in monthly format in Rule 2 that includes taxes, return and depreciation and is applied to the Net Revenue to determine PG&E's investment in distribution facilities.

DISTRIBUTION LINE EXTENSION: New distribution facilities of PG&E that is a continuation of, or branch from, the nearest available existing permanent Distribution Line (including any facility rearrangements and relocations necessary to accommodate the extension) to the point of connection of the last service. PG&E's Line Extension includes transmission underbuilds and converting an existing single-phase line to three-phase in order to furnish three-phase service to an Applicant, but excludes transformers, meters and services.

(L)

(Continued)



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 20

J. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

DISTRIBUTION LINES: PG&E's overhead and underground lines which are operated at distribution voltages and which are designed to supply two or more services.

DISTRIBUTION TRENCH FOOTAGE: The total trench footage used for calculating cabling costs. It is determined by adding the total length of all new and existing trench for the installation of underground primary and secondary Distribution Lines designed to supply two (2) or more services (excluding service trench footage under Rule 16).

EXCAVATION: All necessary trenching, backfilling, and other digging as required to install Distribution Line Extension facilities including furnishing of any imported backfill material, and disposal of spoil as required, surface repair and replacement, landscape repair and replacement.

FEEDER CONDUIT: Conduit for such uses as part of a backbone system to provide for future anticipated load growth outside the subdivision involved, to provide for future anticipated load growth in the existing subdivision and the existing subdivisions in close proximity, to balance loads between substations, to interconnect the service to the subdivision with service to subsequent developments outside the subdivision, and to provide the flexibility and versatility of modifying or supplying emergency backup power to the area involved.

FRANCHISE AREA: Public streets, roads, highways and other public ways and places where PG&E has a legal right to occupy under Franchise Agreements with governmental bodies having jurisdiction.

INDUSTRIAL DEVELOPMENT: Two (2) or more enterprises engaged in a process which creates a product or changes material into another form or product and located on a single parcel or on two (2) or more contiguous parcels of land.

INSIGNIFICANT LOADS: Small operating loads such as gate openers, valve controls, clocks, timing devices, fire protection equipment, alarm devices, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

(L)

(Continued)



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 21

J. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

MONTHLY OWNERSHIP CHARGE: Cost of Ownership charges (from Electric Rule 2 customer- financed Cost of Ownership percentage) as a percentage rate applied against the outstanding unrefunded refundable balance after twelve (12) months from the date PG&E is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

NET REVENUE: That portion of the total rate revenues that supports PG&E's Distribution Line and Service Extension costs and excludes such items as energy, transmission, Competition Transition Charge (CTC), public purpose programs, revenue cycle services revenues, and other revenues that do not support the Distribution Line and Service Extension costs.

NON-RESIDENTIAL ALLOWANCES NET REVENUE MULTIPLIER: This is a revenue-supported factor determined by PG&E that is applied to the net revenues expected from non-residential loads to determine non-residential allowances.

PERMANENT SERVICE: Service which, in the opinion of PG&E, is of a permanent and established character. This may be continuous, intermittent, or seasonal in nature.

POLE LINE: Poles, cross-arms, insulators, conductors, switches, guy-wires, and other related equipment used in the construction of an electric overhead line.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), sound barriers, posts, or barricades and other structures as required by PG&E to protect distribution equipment.

RESIDENTIAL DEVELOPMENT: Five (5) or more dwelling units in two (2) or more buildings located on a single parcel of land.

RESIDENTIAL SUBDIVISION: An area of five (5) or more lots for residential dwelling units which may be identified by filed subdivision plans or an area in which a group of dwellings may be constructed about the same time, either by a builder or several builders working on a coordinated basis.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 22

J. DEFINITIONS FOR RULE 15 (Cont'd.)

(L)

SCENIC AREAS: An area such as a scenic highway, a state or national park or other area determined by a governmental agency to be of unusual scenic interest to the general public. Scenic highways are officially designated under the California Scenic Highway Program established pursuant to Paragraph 320 of the Public Utilities Code and applicable sections of the Streets and Highway Code. State or national parks or other areas of unusual scenic interest to the general public are determined by the appropriate governmental agency. "In proximity to" shall mean within 1,000 feet from each edge of the right-of-way of designated scenic highways and from the boundaries of designated parks and scenic areas. "Visible from" shall mean that overhead distribution facilities could be seen by motorists or pedestrians traveling along scenic highways or visiting parks or scenic areas.

SEASONAL SERVICE: Electric Service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's electric facilities. This includes, but is not limited to, such things as splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

TRENCHING: See Excavation.

(L)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 1

APPLICABILITY: This rule is applicable to both (1) PG&E Service Facilities* that extend from PG&E's Distribution Line facilities to the Service Delivery Point, and (2) service related equipment required of Applicant on Applicant's Premises to receive electric service.

A. GENERAL

1. DESIGN. PG&E will be responsible for planning, designing, and engineering its Service Extensions using PG&E's standards for design, materials and construction. Applicants may elect to use the Applicant Design Option provisions in Rule 15 to design that portion of the new Service Extension normally designed by PG&E.
2. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.
 - a. In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
 - b. PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - 1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - 2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - 3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
 - c. Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when PG&E first invoices the customer for the extension of electric service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 2

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|--|--------------------------------------|
| A. GENERAL (Cont'd.) | (T) |
| 3. SERVICE FACILITIES. PG&E's Service Facilities shall consist of (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) PG&E-owned metering equipment, and (e) other PG&E-owned service related equipment. | (T)/(L)
(L)

(L) |
| 4. OWNERSHIP OF FACILITIES. Service Facilities installed under the provisions of this rule shall be owned, operated, and maintained by PG&E if they are (a) located in the street, road or Franchise Area of PG&E, (b) installed by PG&E under section D.2 below on Applicant's Premises for the purpose of the delivery of electric energy to Applicant, or (c) installed by Applicant under the provisions of this rule, and conveyed to PG&E. | (T)/(L)
(L)

(L) |
| 5. PRIVATE LINES. PG&E shall not be required to connect Service Facilities to or serve any Applicant from electric facilities that are not owned, operated, and maintained by PG&E. | (T)/(L)

(L) |
| 6. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E installs at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2—Description of Service. | (T)/(L)

(L) |
| 7. TEMPORARY SERVICE FACILITIES. Service Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service. | (T)/(L)
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(L) |

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 3

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|--|---------------------------------|
| A. GENERAL (Cont'd.) | (L) |
| 8. STREET LIGHTS. Street light services and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule. | (T)/(L)
(L)
(L) |
| 9. CONTRACTS. Each Applicant requesting service may be required to execute a written contract(s) prior to PG&E performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission). | (T)/(L)
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(L) |
| 10. DISTRIBUTION LINE EXTENSIONS. Whenever PG&E's distribution system is not complete to the point designated by PG&E where the Service Extension is to be connected to PG&E's distribution system, the extension of Distribution Line facilities will be installed in accordance with Rule 15—Distribution Line Extensions. | (T)/(L)
(L)

(L) |
| 11. RIGHTS-OF-WAY. Rights-of-way or easements maybe required by PG&E to install Service Facilities on Applicant's property to serve only Applicant. | (T)/(L)
(L)
 |
| a. SERVICE FACILITIES. If the Service Facilities must cross property owned by a third party to serve Applicant, PG&E may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E; or | |
| b. DISTRIBUTION LINE EXTENSIONS. If PG&E's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then PG&E may, at its option, install its facilities under Rule 15, after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E. | |
| c. CLEARANCES. Any necessary rights-of-way or easements for PG&E's facilities shall have provisions to maintain legal clearances from adjacent structures. |
(L) |

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 4

A. GENERAL (Cont'd.)

(L)

12. ACCESS TO APPLICANT'S PREMISES. PG&E shall at all times have the right to enter and leave Applicant's Premises for any purpose connected with the furnishing of electric service (meter reading, inspection, testing, routine repairs, replacement, maintenance, vegetation management, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under PG&E's tariff schedules. These rights include, but are not limited to,

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(L)

- a. The use of a PG&E-approved locking device, if Applicant desires to prevent unauthorized access to PG&E's facilities;
- b. Safe and ready access for PG&E personnel free from unrestrained animals;
- c. Unobstructed ready access for PG&E's vehicles and equipment to install, remove, repair, or maintain its facilities; and
- d. Removal of any and all of its property installed on Applicant's Premises after the termination of service.

(L)

13. SERVICE CONNECTIONS. Only personnel duly authorized by PG&E are allowed to connect or disconnect service conductors to or from PG&E's Distribution Lines, remove PG&E-owned service facilities and equipment, or perform any work upon PG&E-owned existing facilities.

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(L)

B. METERING FACILITIES

1. GENERAL

- a. METER ALL USAGE. Delivery of all electric power and energy will be metered, unless otherwise provided for by PG&E's tariff schedules or by other applicable laws.
- b. METER LOCATION. All meters and associated metering equipment shall be located at some protected location on Applicant's Premises as approved by PG&E.
- c. Meter ownership—If the customer elects direct access service, see Rule 22 for meter ownership option.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 5

B. METERING FACILITIES (Cont'd.)

(L)

2. **NUMBER OF METERS.** Normally only one meter will be installed for a single-family residence or a single non-residential enterprise on a single Premises, except:

- a. When otherwise required or allowed under PG&E's tariff schedules;
- b. At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design; or,
- c. When required by law or local ordinance;
- d. When additional services are granted by PG&E.

A single meter is required for each single enterprise operating in one building or group of buildings or other development on a single Premises such as, but not limited to, a commercial business, school campus, industrial manufacturer or recreational vehicle park, unless otherwise approved by PG&E. See Rule 18—Supply to Separate Premises and Submetering of Electric Energy for more information.

3. **MULTIPLE OCCUPANCY.** In a building with two or more tenants, or where more than one meter is used on the same Premises, the meters normally shall be grouped at one central location, or as otherwise specified by PG&E, and each meter position or socket shall be clearly and permanently marked by Applicant, customer, or owner of the Premises to indicate the particular unit, occupancy, or load supplied by it.

- a. **RESIDENTIAL.** For revenue billing, electric service shall be individually metered to every residential unit in a residential building or group of buildings or other development with multiple tenants such as, but not limited to, apartment buildings, mobile home parks, etc., except as may be specified in Rule 18 and applicable rate schedules.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 6

B. METERING FACILITIES (Cont'd.)

(L)

3. MULTIPLE OCCUPANCY (Cont'd.)

- b. **NON-RESIDENTIAL.** For revenue billing electric service shall be individually metered to each tenant in a non-residential building or group of buildings or other development on a single Premises with multiple tenants or enterprises (such as, but not limited to, an office building or shopping center complex). Alternative metering arrangements as determined by PG&E may be allowed only as specified in Rule 18 and applicable rate schedules.

C. SERVICE EXTENSIONS

1. GENERAL LOCATION. The location of the Service Extension facilities shall extend:

- a. **FRANCHISE AREA.** From the point of connection at the Distribution Line to Applicant's nearest property line abutting upon any street, highway, road, or right-of-way, along which it already has, or will install distribution facilities; and,
- b. **PRIVATE PROPERTY.** On private property, along the shortest, most practical and available route (clear of obstructions) as necessary to reach a Service Delivery Point designated by PG&E.

2. NUMBER OF SERVICE EXTENSIONS. PG&E will not normally provide more than one Service Extension, including associated facilities, either overhead or underground for any one building or group of buildings, for a single enterprise on a single Premises, except:

- a. **TARIFF SCHEDULES.** Where otherwise allowed or required under PG&E's tariff schedules; or,
- b. **PG&E CONVENIENCE.** At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design for different voltage and phase classification, or when replacing an existing service; or,

(L)

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 7

- C. SERVICE LATERAL FACILITIES (Cont'd.) (L)
2. NUMBER OF SERVICE LATERALS (Cont'd.)
- c. ORDINANCE. Where required by ordinance or other applicable law, for such things as fire pumps, fire alarm systems, etc.
- d. OTHER. PG&E may charge for additional services provided under this paragraph, as special or added facilities.
3. UNDERGROUND INSTALLATIONS. Underground Service Extensions will be installed:
- a. UNDERGROUND REQUIRED. Underground Service Extensions (1) shall be installed where required to comply with applicable tariff schedules, laws, ordinances, or similar requirements of governmental authorities having jurisdiction, and (2) may be necessary as determined by PG&E where Applicant's load requires a separate transformer installation of 75 kVa or greater.
- b. UNDERGROUND OPTIONAL. An underground Service Extension may be installed in an area where it is not otherwise required and when requested by Applicant and agreed upon by PG&E.
- c. Beginning January 1, 2021, PG&E will no longer accept requests under the Special Facilities provision of Rule 2, Section I, for underground distribution systems that call for specified pieces of electrical equipment to be installed in below-ground structures in circumstances where it is technically feasible to install the equipment above ground. Such requests will no longer be accepted for situations indicated in C.3.c.i, C.3.c.ii, and with certain exceptions C.3.c.iii, below. However, all requests which call for below ground installations that are received by PG&E prior to January 1, 2021 will be "grandfathered" and not subject to the provisions of this Rule section. These grandfathered requests must be approved by PG&E for construction by April 1, 2021 and installed by April 1, 2022. (L)

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 8

C. SERVICE LATERAL FACILITIES (Cont'd.)

(L)

3. UNDERGROUND INSTALLATIONS. Underground Service Extensions will be installed:

c. (cont'd)

- i. New construction on any property except public property and public rights-of-way;
- ii. Circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities on any property except public property and public rights of way resulting in a change of use or occupancy as defined in state or local law;
- iii. Except for situations on a case-by-case basis in which the local authority and PG&E agree to locate Equipment above ground because the above-ground location is technically feasible for the installation.

For purposes of this provision, specified pieces of equipment include all primary voltage from 4 kV to 35 kV electrical distribution system equipment (Equipment), including, but not limited to, transformers, switches and fuses, capacitors, and junction bars.

“Technically feasible” means that enough space is, or can be made, available above ground for the electrical distribution Equipment needed for PG&E to serve customers and that other requirements, such as obtaining the required permits, are met. The required space is defined by existing design standards within the operation and maintenance requirements that are in compliance with applicable safety codes and regulations such as CPUC General Order 128.

Where PG&E has existing primary voltage distribution equipment installed in below ground structures, the equipment will continue to be operated and maintained below ground. However, in accordance with Section C.3.c.iii., above, where existing below-ground Equipment must be modified by PG&E, above-ground retrofits shall only occur in circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities resulting in a change of use or occupancy as defined in state or local law; or when agreed to by the local authority and PG&E on a case-by-case basis.

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(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 9

C. SERVICE LATERAL FACILITIES (Cont'd.)

(L)

3. UNDERGROUND INSTALLATIONS (cont'd)

c. (cont'd)

Design and installation of any above-ground Equipment shall comply with the typical installations depicted in PG&E's Electric Design Manual, as well as land use laws, including local ordinances respecting matters of public health, safety and convenience, that are of general applicability to above-ground utility structures regardless of ownership, to the extent the same would not directly or effectively require the Equipment to be located underground.

When modifying existing Equipment installed in the above-ground public rights-of-way, PG&E shall comply with local ordinances respecting matters of public health and safety and convenience, to the extent that the same are of general applicability to other utility and public works structures or equipment, regardless of ownership, installed in the public rights-of-way do not directly or effectively require the Equipment to be located underground, or otherwise conflict with the design standards contained in PG&E's Electric Design Manual and similar documents.

4. OVERHEAD INSTALLATIONS. Overhead Service Extensions are permitted except under the circumstances specified in section C.3.a above.

5. UNUSUAL SITE CONDITIONS. In cases where Applicant's building is located a considerable distance from the available Distribution Line or where there is an obstruction or other deterrent obstacle or hazard such as plowed land, ditches, or inaccessible security areas between PG&E's Distribution Line and Applicant's building or facility to be served that would prevent PG&E from prudently installing, owning, and maintaining its Service Facilities, PG&E may at its discretion, waive the normal Service Delivery Point location. In such cases, the Service Delivery Point will be at such other location on Applicant's property as may be mutually agreed upon; or, alternatively, the Service Delivery Point may be located at or near Applicant's property line as close as practical to the available Distribution Line.

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**Pacific Gas and
Electric Company®**

San Francisco, California

Cancelling Revised
RevisedCal. P.U.C. Sheet No. 47828-E
Cal. P.U.C. Sheet No. 45455-E**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 10

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS

(L)

1. **APPLICANT RESPONSIBILITY.** In accordance with PG&E's design, specifications, and requirements for the installation of Service Extensions, subject to PG&E's inspection and approval, Applicant is responsible for:
 - a. **SERVICE LATERAL FACILITIES.**
 - 1) **CLEAR ROUTE.** Providing (or paying for) a route on any private property that is clear of obstructions which would inhibit the construction of either underground or overhead Service Extensions.
 - 2) **EXCAVATION.** All necessary trenching, backfilling, and other digging as required including permit fees.
 - 3) **CONDUIT AND SUBSTRUCTURES.**
 - a) Furnishing, installing, owning, and maintaining all Conduits (including pull wires) and Substructures on Applicant's Premises.
 - b) Installing (or paying for) any Conduits and Substructures in PG&E's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension.
 - c) Conveying ownership to PG&E upon its acceptance of those Conduits and Substructures not on Applicant's Premises.
 - 4) **PROTECTIVE STRUCTURES.** Furnishing, installing, owning, and maintaining all necessary Protective Structures as specified by PG&E for PG&E's facilities on Applicant's Premises.

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Advice
Decision 6006-EIssued by
Robert S. Kenney
Vice President, Regulatory AffairsSubmitted
Effective
Resolution November 19, 2020



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 11

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY (Cont'd.)

b. **APPLICANT'S FACILITY DESIGN AND OPERATION.** Applicant shall be solely responsible to plan, design, install, own, maintain, and operate facilities and equipment beyond the Service Delivery Point (except for PG&E-owned metering facilities) in order to properly receive and utilize the type of electric service available from PG&E. Refer to Rule 2 for a description, among other things, of:

- 1) Available service delivery voltages and the technical requirements and conditions to qualify for them,
- 2) Customer utilization voltages,
- 3) Load balancing requirements,
- 4) Requirements for installing electrical protective devices,
- 5) Loads that may cause service interference to others, and
- 6) Motor starting limitations.

c. **REQUIRED SERVICE EQUIPMENT.** Applicant shall, at its sole liability, risk, and expense, be responsible to furnish, install, own, maintain, inspect, and keep in good and safe condition, all facilities of any kind or character on Applicant's Premises that are not the responsibility of PG&E but are required by PG&E for Applicant to receive service. Such facilities shall include but are not limited to the overhead or underground termination equipment, Conduits, service entrance conductors from the Service Delivery Point to the location of PG&E's metering facilities, connectors, meter sockets, meter and instrument transformer housing, service switches, circuit breakers, fuses, relays, wireways, metered conductors, machinery and apparatus of any kind or character. Detailed information on PG&E's service equipment requirements will be furnished by PG&E.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 12

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY (Cont'd.)

- d. **COORDINATION OF ELECTRICAL PROTECTIVE DEVICES.** When, as determined by PG&E, Applicant's load is of sufficient size as to require coordination of response time characteristics between Applicant's electrical protective devices (circuit breakers, fuses, relays, etc.) and those of PG&E, it shall be Applicant's responsibility to provide such coordination in accordance with Rule 2.
- e. **LIABILITY.** PG&E shall incur no liability whatsoever, for any damage, loss or injury occasioned by:
 - 1) Applicant-owned equipment or Applicant's transmission and delivery of energy; or,
 - 2) The negligence, omission of proper protective devices, want of proper care, or wrongful act of Applicant, or any agents, employees, or licensees of Applicant, on the part of Applicant in installing, maintaining, using, operating, or interfering with any such conductors, lines, machinery, or apparatus.
- f. **FACILITY TAMPERING.** Applicant shall provide a suitable means acceptable to PG&E for placing its seals on meter rings and covers of service enclosures and instrument transformer enclosures which protect unmetered energized conductors installed by Applicant. All PG&E-owned meters and enclosure covers will be sealed only by PG&E's authorized employees and such seals shall be broken only by PG&E's authorized employees. However, in an emergency, PG&E may allow a public authority or other appropriate party to break the seal. Any unauthorized tampering with PG&E-owned seals or connection of Applicant-owned facilities to unmetered conductors at any time is prohibited and is subject to the provisions of Rule 11—Discontinuance and Restoration of Service for unauthorized use.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 13

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY (Cont'd.)

g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES.

Transformer installations on Applicant's Premises shall be as specified by PG&E and in accordance with the following applicable provisions:

- 1) **SPACE FOR TRANSFORMERS.** Applicant shall provide space on Applicant's Premises at a location approved by PG&E for a standard transformer installation including any necessary switches, capacitors, and electric protective equipment where required if (a) in an overhead area, PG&E determines that the load to be served is such that a separate transformer installation, or (b) if PG&E determines that the installation of a padmounted or subsurface transformer of any size is required on Applicant's Premises to serve only Applicant.
- 2) **PADMOUNTED EQUIPMENT.** In PG&E's standard installation, Applicant shall furnish, install, own, and maintain, at its expense, Substructures and any required Protective Structures as specified by PG&E for the proper installation of the transformer, switches, capacitors, etc. as determined by PG&E.
- 3) **SINGLE UTILITY-OWNED CUSTOMER SUBSTATION.** When PG&E elects for its operating convenience to supply Applicant from a transmission line and install a PG&E-owned substation on Applicant's Premises, Applicant shall furnish, install, own and maintain at its expense the necessary site improvements as specified by PG&E for the proper installation of the transformer. Such improvements shall include but are not limited to a concrete pad or foundation, grounding system, fences and gates, access road, grading, and paving as required, etc. Detailed information on PG&E's requirements for a single customer substation will be furnished by PG&E.

(L)

(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 14

- D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.) (L)
1. APPLICANT RESPONSIBILITY (Cont'd.)
- g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES (Cont'd.)
- 4) TRANSFORMER ROOM OR VAULT. Where Applicant requests and PG&E approves the installation of the transformer(s) in a vault or room on Applicant's Premises, rather than PG&E's standard padmounted installation,
- a) The room or vault on Applicant's Premises shall be furnished, installed, owned, and maintained by Applicant and shall meet PG&E's specifications for such things as access, ventilation, drainage, grounding system, etc.
- b) If space cannot be provided on Applicant's Premises for the installation of a transformer on either a pad or in a room or vault, a vault will be installed at Applicant's expense in the street near the property line. It shall be Applicant's responsibility to install (or pay for) such vault if not restricted by governmental authority having jurisdiction and Applicant shall convey ownership of the vault to PG&E upon its acceptance. The additional facilities shall be treated as special or added facilities under the provisions of Rule 2.
- c) If PG&E's installed cost for the transformer in the room or vault is more costly than the standard padmounted transformer installation, the additional costs shall be paid by Applicant as special or added facilities. (L)

(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 15

- D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.) (L)
1. APPLICANT RESPONSIBILITY (Cont'd.)
- g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES (Cont'd.)
- 5) TRANSFORMER LIFTING REQUIREMENTS. Where PG&E has installed or agrees to install, transformers at locations where PG&E cannot use its standard transformer lifting equipment and special lifting facilities are required to install or remove the transformers on Applicant's Premises, Applicant shall, at its expense, (a) furnish, install, own, and maintain permanent lifting facilities and be responsible for lifting the transformer to and from its permanent position, or (b) provide (or pay for) portable lifting facilities acceptable to PG&E for installing or removing the transformers. Rights-of-way and space provisions shall be provided by Applicant such that access and required clearances from adjacent structures can be maintained. PG&E may require a separate contract for transformer lifting requirements.
- 6) OVERHEAD TRANSFORMERS. In remote areas or in areas not zoned for residential or commercial use or for underground services, padmounted transformers are preferred for installation on Applicant's Premises however, where PG&E determines that it is not practical to install a transformer on a pad, in a room or vault, PG&E may furnish a pole-type structure for an installation not exceeding 500 kVA.
- h. BUILDING CODE REQUIREMENTS. Any service equipment and other related equipment owned by Applicant, as well as any vault, room, enclosure, or lifting facilities for the installation of transformers shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction. (L)

(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 16

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

1. APPLICANT RESPONSIBILITY (Cont'd.)

- i. **REASONABLE CARE.** Applicant shall exercise reasonable care to prevent PG&E's Service Extensions, other PG&E facilities, and meters owned by PG&E or others, on the Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with PG&E's operation of the facilities and shall notify PG&E of any obvious defect. Applicant may be required to provide and install suitable mechanical protection (barrier posts, etc.) as required by PG&E.

2. PG&E RESPONSIBILITY

- a. **SERVICE, METER, AND TRANSFORMER.** PG&E will furnish, install, own, and maintain the following Service Facilities as applicable after Applicant meets all requirements to receive service:
 - 1) **UNDERGROUND SERVICE.** A set of service conductors to supply permanent service from the Distribution Line source to the Service Delivery Point approved by PG&E.
 - 2) **RISER MATERIALS.** Any necessary pole riser material for connecting underground services to an overhead Distribution Line.
 - 3) **OVERHEAD SERVICE.** A set of overhead service conductors and support poles to supply permanent service from a Distribution Line source to a suitable support at the Service Delivery Point approved by PG&E. Such support shall be of a type and located such that service wires may be installed in accordance with good engineering practice and in compliance with all applicable laws, ordinances, rules, and regulations including those governing clearances and points of attachment.

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(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 17

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

2. PG&E RESPONSIBILITY (Cont'd.)

a. SERVICE, METER, AND TRANSFORMER (Cont'd.)

4) **METERING.** When the meter is owned by PG&E, PG&E will be responsible for the necessary instrument transformers where required, test facilities, meters, associated metering equipment, and the metering enclosures when PG&E elects to locate metering equipment at a point that is not accessible to Applicant.

5) **TRANSFORMER.** The transformer where required, including any necessary switches, capacitors, electrical protective equipment, etc. When either a padmounted or overhead transformer is installed on Applicant's Premises, the Service Extension shall include the primary conductors from the connection point at the distribution supply line to the transformer and the secondary conductors, if any, from the transformer to the Service Delivery Point.

b. **SPECIAL CONDUIT INSTALLATIONS.** PG&E shall own and maintain service conduits only if: (1) they are located in the same trench with distribution facilities, and (2) when it is necessary to locate Conduits on property other than that owned by Applicant, as determined by PG&E, or as may be required by local authorities.

c. **CABLE-IN-CONDUIT.** In those cases where PG&E elects to install its service conductors using pre-assembled cable-in-conduit (CIC), the conduit portion will be considered a part of the conductor installation provided by PG&E.

d. **GOVERNMENT INSPECTION.** PG&E will establish electric service to Applicant following notice from the governmental authority having jurisdiction that the Applicant-owned facilities have been installed and inspected in accordance with any applicable laws, codes, ordinances, rules, or regulations, and are safe to energize.

(L)

(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 18

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

(L)

3. INSTALLATION OPTIONS

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Service Extension work normally the responsibility of Applicant according to Section D.1 above provided Applicant pays PG&E its estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to use competitive bidding to install that portion of the new Service Extensions normally installed and owned by PG&E in accordance with the same provisions outlined in Rule 15.

E. ALLOWANCES AND PAYMENTS BY APPLICANT

1. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service is determined by PG&E in accordance with the provisions of Rule 15, Section C. The allowance will first be applied to the Service Facilities. Any excess allowance will be applied to the Distribution Line Extension, to which the service is connected in accordance with Rule 15.
2. **NON-RESIDENTIAL ALLOWANCES.** For non-residential Service Extension Applicants, the value of such items as conductors, service transformers, PG&E-owned metering equipment, (but not including such items as listed in Section D) will be treated in accordance with the allowance and refund provisions of Rule 15.
3. **SEASONAL, INTERMITTENT, EMERGENCY, AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined by using the formula in Section C of Rule 15. No allowance will be provided where service is used only for emergency purposes or for Insignificant Loads.
4. **PAYMENTS.** Applicant is responsible to pay PG&E the following non-refundable costs as applicable under this rule and in advance of PG&E commencing its work:
 - a. **POLE RISER.** PG&E's estimated installed costs of any riser materials on its poles.
 - b. **EXCESS SERVICE.** PG&E's total estimated installed cost (including appurtenant facilities, such as connectors, service conductor, service transformers, metering equipment, and the conduit portion of CIC cable) in excess of the allowance.

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(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 19

E. ALLOWANCES AND PAYMENTS BY APPLICANT (Cont'd.)

(L)

4. PAYMENTS (Cont'd.)

- c. **TAX.** Any payments or contribution of facilities by Applicant are taxable Contributions in Aid of Construction (CIAC) and shall include an Income Tax Component of Contribution (ITCC) for state and federal tax at the rate provided in PG&E's Preliminary Statement.
- d. **OTHER.** PG&E's total estimated installed cost for any work it performs that is Applicant's responsibility or performs for the convenience of Applicant.

- 5. **REFUNDS.** No refunds apply to the installation of Residential Service Facilities under this Rule.

F. EXISTING SERVICE FACILITIES

1. SERVICE REINFORCEMENT

- a. **PG&E-OWNED.** When PG&E determines that its existing Service Facilities require replacement, the existing Service Facilities shall be replaced as a new Service Extension under the provisions of this rule.
- b. **APPLICANT-OWNED.** When PG&E determines that existing Applicant-owned service facilities (installed under a prior rule) require replacement, such replacement or reinforcement shall be accomplished under the provisions for a new Service Extension installation, except that if PG&E determines that any portion of Applicant's existing service conductors can be utilized by PG&E, Applicant will convey any such usable part to PG&E and an appropriate credit by PG&E may be allowed to Applicant.

Applicant will replace or reinforce that portion of the Service Extension which Applicant will continue to own, under the provisions of this rule for new services.

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(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 20

F. EXISTING SERVICE FACILITIES (Cont'd.)

(L)

2. SERVICE RELOCATION OR REARRANGEMENT

- a. PG&E CONVENIENCE. When, in the judgement of PG&E, the relocation or rearrangement of a service, including PG&E-owned transformers, is necessary for the maintenance of adequate service or for the operating convenience of PG&E, PG&E normally will perform such work at its own expense, except as provided Sections F.2.b. and F.5.
- b. APPLICANT CONVENIENCE. Any relocation or rearrangement of PG&E's existing Service Facilities at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by PG&E shall be performed in accordance with Section D above except that Applicant shall pay PG&E its total estimated costs.

In all instances, PG&E shall abandon or remove its existing facilities at the option of PG&E rendered idle by the relocation or rearrangement.

3. IMPAIRED ACCESS AND CLEARANCES. Whenever PG&E determines that:

- a. ACCESS. Its existing Service Facilities have become inaccessible for inspecting, operating, maintenance, meter reading, or testing; or,
- b. CLEARANCES. A hazardous condition exists or any of the required clearances between the existing Service Facilities and any object becomes impaired under any applicable laws, ordinances, rules, or regulations of PG&E or public authorities, then the following applies:

(L)

(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 21

F. EXISTING SERVICE FACILITIES (Cont'd.)

(L)

3. IMPAIRED ACCESS AND CLEARANCES (Cont'd.)

- c. **CORRECTIVE ACTION.** Applicant or owner shall, at Applicant's or owner's expense, either correct the access or clearance infractions or pay PG&E its total estimated cost to relocate its facilities to a new location which is acceptable to PG&E. Applicant or owner shall also be responsible for the expense to relocate any equipment which Applicant owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.

4. OVERHEAD TO UNDERGROUND SERVICE CONVERSIONS

- a. **RULE 20.** Where an existing overhead Distribution Line is replaced by an underground distribution system in accordance with Rule 20--Replacement of Overhead With Underground Electric Facilities, new underground services will be installed under Rule 16.
- b. **APPLICANT'S CONVENIENCE.** Where overhead services are replaced by underground services for Applicant's convenience, Applicant shall perform all Excavation, furnish and install all Substructures, and pay PG&E its total estimated installed cost to complete the new service and remove the overhead facilities.

- 5. **DAMAGED FACILITIES.** When PG&E's facilities are damaged by others, the repair will be made by PG&E at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 22

F. EXISTING SERVICE FACILITIES (Cont'd.)

(L)

6. **SUBDIVISION OF PREMISES.** When PG&E's Service Facilities are located on private property and such private property is subsequently subdivided into separate Premises with ownership divested to other than Applicant or customer, the subdivider is required to provide PG&E with adequate rights-of-way satisfactory to PG&E for its existing facilities and to notify property owners of the subdivided Premises of the existence of the rights-of-way.

When adequate rights-of-way are not granted as a result of the property subdivision, PG&E shall have the right, upon written notice to Applicant, to discontinue service without obligation or liability. The existing owner, Applicant, or customer shall pay to PG&E the total estimated cost of any required relocation or removal of PG&E's facilities. A new electric service will be re-established in accordance with the provisions of Section D above for new service and the provisions of any other applicable PG&E rules.

G. EXCEPTIONAL CASES

When the application of this rule appears impractical or unjust to either party, or ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling or for approval of special conditions which may be mutually agreed upon.

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(Continued)



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 23

H. DEFINITIONS FOR RULE 16

(L)

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

CONDUIT: Ducts, pipes, or tubes of certain metals, plastics or other materials acceptable to PG&E (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

DISTRIBUTION LINES: PG&E's overhead and underground facilities which are operated at distribution voltages as set forth in PG&E's Rule 2 and which are designed to supply two or more services.

EXCAVATION: All necessary trenching, backfilling, and other digging as required to install Service Extensions including furnishing of any imported backfill material, concrete encasement to protect conduit, and disposal of spoil, as required, surface repair and replacement, landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: Small operating loads, such as gate openers, valve controls, clocks, timing devices, fire protection equipment, alarm devices, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 24

H. DEFINITIONS FOR RULE 16 (Cont'd.)

(L)

PREMISES: All of the real property and apparatus employed in a single enterprise on an integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highway or public thoroughfare or a railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the Premises served.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), sound barriers, posts, barricades and other structures as required by PG&E.

SEASONAL SERVICE: Electric service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SERVICE DELIVERY POINT: Where PG&E's Service Facilities are connected to either Applicant's conductors or other service termination facility designated and approved by PG&E.

SERVICE EXTENSIONS: The overhead and underground primary or secondary facilities (including but not limited to PG&E-owned Service Facilities and Applicant-owned service facilities) extending from the point of connection at the Distribution Line to the Service Delivery Point. When an underground Service Extension is supplied from a PG&E-designated overhead pole, the beginning point of connection to PG&E's Distribution Line shall be where the Service Extension is connected to PG&E's overhead Distribution Line conductors.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's electric facilities. This includes, but is not limited to, splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

(L)



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Attachment 2

Redline Tariff Revisions



GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to the extension of gas Distribution Mains* necessary to furnish Permanent Service to Applicants, and will be made in accordance with the following provisions:

A. GENERAL

1. DISTRIBUTION MAIN EXTENSION BASIS

- a. DESIGN. PG&E will be responsible for planning, designing, and engineering Distribution Main Extensions using PG&E's standards for material, design, and construction. Applicants may elect to use the Applicant Design Option provisions of this Rule to design that portion of the new Distribution Main Extension normally designed by PG&E.

B. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.

- 1) In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
- 2) PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
- a) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
- b) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
- c) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
- 4)3) Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of gas service or the date when PG&E first invoices the customer for the extension of gas service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

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* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section I of this rule.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 1

A. GENERAL (Cont'd)

(T)

1. DISTRIBUTION MAIN EXTENSION BASIS (Cont'd)

ba. OWNERSHIP. The Distribution Main Extension facilities installed under the provisions of this Rule shall be owned, operated, and maintained by PG&E, except for Substructures and enclosures that are on, under, within, or part of a building or structure.

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de. PRIVATE LINES. PG&E shall not be required to serve any Applicant from Distribution Main Extension facilities that are not owned, operated, and maintained by PG&E.

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2. DISTRIBUTION MAIN EXTENSION LOCATIONS

(L)

a. RIGHTS-OF-WAY. PG&E will own, operate, and maintain Distribution Main Extension facilities only:

1) along public streets, alleys, roads, highways, and other publicly dedicated ways and places which PG&E has the legal right to occupy (franchise areas), and

2) on public lands and private property across which easements and permits satisfactory to PG&E may be obtained without cost to or condemnation by PG&E.

b. NORMAL ROUTE OF LINE. The length and normal route of a Distribution Main Extension will be determined by PG&E and considered as the distance along the shortest, most practical, available, and acceptable route which is clear of obstructions from PG&E's nearest permanent and available distribution facility to the point from which the service facilities will be connected.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 3

A. GENERAL (Cont'd.)

3. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant will be installed at Applicant's expense in accordance with Rule 2—Description of Service.
4. TEMPORARY SERVICE. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service.
5. SERVICES. Service facilities connected to the Distribution Mains to serve a customer's premises will be installed, owned, and maintained as provided in Rule 16—Gas Service Extensions.
6. CONTRACTS. Each Applicant requesting a Distribution Main Extension may be required to execute a written contract(s) prior to PG&E performing its work on the Distribution Main Extension. Such contracts shall be in the form on file with the California Public Utilities Commission (Commission).

B. INSTALLATION RESPONSIBILITIES

1. APPLICANT RESPONSIBILITY. In accordance with PG&E's design, specifications, and requirements, Applicant is responsible for:
 - a. SUBSTRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary installed Substructures; and,
 - b. PROTECTIVE STRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary Protective Structures.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 4

B. INSTALLATION RESPONSIBILITIES (Cont'd.)

2. **PG&E RESPONSIBILITY.** PG&E is responsible for the installation of Distribution Main, valves, regulators, and other related distribution equipment required to complete the Distribution Main Extension, including all necessary Trenching, backfilling, and other digging as required.

The Applicant may elect to provide the trench, as discussed in Section B.3.b. If Applicant chooses to perform the Trenching, it must also secure permits from the governmental authority having jurisdiction. If Applicant qualifies for an extension allowance under Section C, PG&E will provide Applicant with a reimbursement or credit for PG&E's project-specific estimated cost-per-foot of trench.

3. **INSTALLATION OPTIONS**

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may furnish and install the Substructures and/or Protective Structures, provided Applicant pays PG&E its total estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to install that portion of the new Distribution Main Extension normally installed by PG&E, in accordance with PG&E's design and specifications, using qualified contractors. (See Section G, Applicant Installation Option.)

C. EXTENSION ALLOWANCES

1. **GENERAL.** PG&E will complete a Distribution Main Extension without charge provided PG&E's total estimated installed cost does not exceed the allowances from bona-fide loads to be served by the Distribution Main Extension within a reasonable time, as determined by PG&E. The allowance will first be applied to the Residential Service Facilities, in accordance with Rule 16. Any excess allowance will be applied to the Distribution Main Extension to which the Service Extension is connected. The allowance for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extensions.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 5

C. EXTENSION ALLOWANCES (Cont'd.)

2. BASIS OF ALLOWANCES. Allowances shall be granted to an Applicant for Permanent Service; or to an Applicant for a subdivision or development under the following conditions:

- a. PG&E is provided evidence that construction will proceed promptly and financing is adequate; and
- b. Applicant has submitted evidence of building permit(s) or fully-executed home purchase contract(s) or lease agreement(s); or
- c. Where there is equivalent evidence of occupancy or gas usage satisfactory to PG&E.

The allowances in Section C.3 and C.4 are based on a revenue-supported methodology using the following formula:

$$\text{Allowance} = \frac{\text{Net Revenue}}{\text{Cost-of-Service Factor}}$$

where the Cost of Service Factor is the annualized utility-financed Cost of Ownership as stated in Gas Rule 2.

3. RESIDENTIAL ALLOWANCES. The allowance for Distribution Main Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service per meter or residential dwelling unit, on a per-unit basis, is as follows:

Water Heating	\$728 (I)
Space Heating.....	\$890 (I)
Oven/Range	\$ 79 (I)
Dryer Stub	\$ 30 (I)

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**Pacific Gas and
Electric Company[®]***San Francisco, California*

Cancelling

Revised
Revised

Cal. P.U.C. Sheet No.

Cal. P.U.C. Sheet No.

20350-G

GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 6

C. EXTENSION ALLOWANCES (Cont'd.)

4. **NON-RESIDENTIAL ALLOWANCES.** The allowance for Distribution Main Extensions, Service Extensions, or a combination thereof, for Permanent Non-Residential service is determined by PG&E using the formula in Section C.2.

Where the Distribution Main Extension will serve a combination of residential and non-residential meters, residential allowances will be added to the non-residential allowances.

5. **SEASONAL, INTERMITTENT, AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined using the formula in Section C.2. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT

1. **GENERAL.** Contributions or Advances by an Applicant to PG&E for the installation of a Distribution Main Extension to receive PG&E service consists of such things as cash payments, the value of the facilities deeded to PG&E, and the value of Trenching performed by Applicant.
2. **PROJECT-SPECIFIC COST ESTIMATES.** PG&E's total estimated installed cost will be based on a project-specific estimated cost.
3. **CASH ADVANCE.** A cash advance will only be required if Applicant's excess allowance is less than PG&E's total estimated installed cost to complete a Distribution Main Extension.

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D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

4. **POSTPONEMENT.** At PG&E's option, the payment of that portion of such an advance that PG&E estimates would be refunded within six (6) months under provisions of this rule may be postponed for six (6) months if: (1) PG&E is provided evidence the construction will proceed promptly and financing is adequate; (2) Applicant has submitted evidence of building permits(s) or fully executed home purchase contract(s) or lease agreement(s); or (3) where there is equivalent evidence of occupancy or gas usage satisfactory to PG&E; and (4) Applicant agrees in writing to pay at the end of six (6) months all amounts not previously Advanced.
5. **TAX.** All Contributions and Advances by Applicant are taxable and shall include an Income Tax Component Contribution (ITCC) at the rate provided in PG&E's Preliminary Statement. ITCC Tax will be either refundable or non-refundable in accordance with the corresponding Contribution.
6. **REFUNDABLE AND NON-REFUNDABLE AMOUNTS.** Applicant shall advance or contribute, before the start of PG&E's construction, the following:
 - a. **REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of PG&E's total estimated installed cost, including taxes, to complete the Distribution Main Extension (including distribution regulators, PG&E's estimated value of the Distribution Trenching, and any non-residential service facilities, and excluding Betterment), that exceeds the amount of the Distribution Main Extension allowance determined in Section C; or,
 - b. **NON-REFUNDABLE DISCOUNT OPTION.** In lieu of contributing the refundable amount determined in Section D.6.a, Applicant has the option of contributing, on a non-refundable basis, fifty percent (50%) of such refundable amount, plus
 - c. **OTHER NON-REFUNDABLE AMOUNTS.** Applicant's non-refundable amount is PG&E's estimated value of the Substructures, Protective Structures, required by PG&E for the Distribution Main Extension under Section B.1.
7. **JOINT APPLICANTS.** The total Contribution or Advance from a group of Applicants will be apportioned among the members of the group in such manner as they may mutually agree.

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D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

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8. PAYMENT ADJUSTMENTS.

- a. **CONTRACT COMPLIANCE.** If, after six (6) months following the date PG&E is first ready to serve residential loads for which allowances were granted (one (1) year for non-residential loads), Applicant fails to take service, or fails to use the service contracted for, Applicant shall pay PG&E an additional Contribution or Advance, based on the allowances for the revenues actually generated.
- b. **EXCESS FACILITIES.** If the loads provided by Applicant(s) result in PG&E installing facilities which are in excess of those needed to serve the actual loads, and PG&E elects to reduce such excess facilities, Applicant shall pay PG&E its estimated total cost to remove, abandon, or replace its excess facilities, less the estimated salvage value of any removed facilities.

E. REFUND BASIS

1. **GENERAL.** Refunds are based on the allowances and conditions in effect at the time the contract is signed. Residential Allowances: the allowance in excess of that needed for the Residential Service Extension in accordance with Rule 16 will be applied to the Distribution Main Extension to which the Service Extension is connected. Non-Residential Allowances: the allowances for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extension.
2. **TOTAL REFUNDABLE AMOUNT.** The total amount subject to refund is the sum of the refundable amounts made under Section D.6.
3. **REFUND PERIOD.** The total refundable amount is subject to refund for a period of ten (10) years after the Distribution Main Extension is first ready for service.
4. **RESIDENTIAL.** Refunds will be made on the basis of a new customer's Permanent Load which produces additional revenues to PG&E. The refund will be deducted from the total refundable amount, and the remaining amount subject to refund represents that portion of the Distribution Main Extension cost not supported by revenues. (See Section E.11 for series refund provisions.)
5. **NON-RESIDENTIAL.** PG&E shall be responsible for reviewing Applicant's actual base annual revenue for the first three (3) years from the date PG&E is first ready to serve. Applicant shall be responsible for notifying PG&E if new, permanent load is added from the fourth (4th) through the tenth (10th) year from the date first ready to serve. Such review shall determine if the additional revenue supports any refunds to the Applicant. (See Section E.11 for series refund provisions.)

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E. REFUND BASIS (Cont'd.)

6. **UNSUPPORTED DISTRIBUTION MAIN EXTENSION COST.** When any portion of a refundable amount has not qualified for a refund at the end of thirty-six (36) months from the date PG&E is first ready to serve, Applicant will pay to PG&E a monthly Cost of Ownership charge (Gas Rule 2 applicant-financed Cost of Ownership percentage) on the remaining refundable balance. Monthly Cost of Ownership charges are in addition to the refundable amount, and will normally be accumulated and deducted from refunds due Applicant. This provision does not apply to individual residential Applicants.
7. **REFUND TIMING.** Refunds will be made without interest within ninety (90) days after the date of first service to new permanent loads, except that refunds may be accumulated to a fifty dollar (\$50) minimum, or the total refundable balance, if less than fifty dollars (\$50).
8. **MAXIMUM REFUND.** No refund shall be made in excess of the refundable amount nor after a period of ten (10) years from the date PG&E is first ready to serve. Any unrefunded amount remaining at the end of the ten (10) year period shall become the property of PG&E.
9. **PREVIOUS RULES.** Refundable amounts paid, Contributed, or Advanced under conditions of a rule previously in effect will be refunded in accordance with the provisions of such earlier rule.
10. **JOINT APPLICANTS.** When two (2) or more parties make joint Contributions or Advances on the same Distribution Main Extension, refunds will be distributed to these parties in the same proportion as their individual Contributions or Advances bear to the total refundable amount, or as they may mutually agree.
11. **SERIES OF DISTRIBUTION MAIN EXTENSIONS.** Where there are a series of Distribution Main Extensions, commencing with a Distribution Main Extension having an outstanding amount subject to refund, and each Distribution Main Extension is dependent upon the previous Distribution Main Extension as a direct source of supply, a series refund will be made as follows:
 - a. Additional service connections supplied from a Distribution Main Extension on which there is a refundable amount will provide refunds first to the Distribution Main Extension to which they are connected; and
 - b. When the amount subject to refund on a Distribution Main Extension in a series is fully refunded, the excess refundable amount will provide refunds to the Distribution Main Extension having the oldest outstanding amount subject to refund in the series.

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Sheet 10

F. APPLICANT DESIGN OPTION

1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the Distribution Main Extension may be designed by Applicant's qualified contractor or sub-contractor, but the design must be in accordance with PG&E's design and construction standards. All applicant design work of gas and electric facilities must be performed by or under the direction of a licensed professional engineer and all design work submitted to PG&E must be certified by an appropriately licensed professional engineer, consistent with the applicable federal, state, and local codes and ordinances. The applicant design option is available to Applicants for new service and is not available for replacement, reinforcement, or relocation of existing systems, where there is no applicant for new line or service extension work. Under this option, the following applies:
 - a. Applicant shall notify PG&E, in a manner acceptable to PG&E.
 - b. Applicant designs shall conform to all applicable federal, state and local codes and ordinances for utility installations (such as, but not limited to the California Business and Professions Code).
 - c. PG&E may require applicant designers to meet its pre-qualification requirements prior to participating in applicant design.
 - d. Applicant designers shall obtain PG&E's design and construction standards and specifications prior to performing applicant design. PG&E may charge for any of these services.

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GAS MAIN EXTENSIONS

Sheet 11

F. APPLICANT DESIGN OPTION (Cont'd.)

1. COMPETITIVE BIDDING (Cont'd.)

- e. PG&E will perform one plan check on each applicant design project at no expense to Applicant. All subsequent plan checks will be at Applicant's expense.
- f. For designs performed by a non-utility designer, PG&E will credit Applicant with the amount of PG&E's design bid less appropriate charges such as for plan checking, changes, or revisions.
- g. In the case of Applicant designed projects requiring an advance, PG&E will deduct the design credit from Applicant's advance.
- h. If no advance is required, PG&E will reimburse/refund the Applicant for the cost of the design after the Distribution Main Extension is first ready to serve.
- i. PG&E shall perform all project accounting and cost estimating.

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Sheet 12

G. APPLICANT INSTALLATION OPTION

1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the Distribution Main Extension may be installed by Applicant's qualified contractor or subcontractor in accordance with PG&E design and specifications. Under this option, the following applies:
 - a. Upon completion of Applicant's installation, and acceptance by PG&E, ownership of such facilities will transfer to PG&E.
 - b. Applicant shall provide to PG&E, prior to PG&E preparing the line extension contact, the Applicant's Contract Anticipated Costs subject to refund to perform the work normally provided by PG&E. The Applicant shall submit, on a form provided by PG&E, a statement of such costs. If the Applicant elects not to provide such costs to PG&E, the Applicant shall acknowledge its election on the form and PG&E will use its estimated costs.
 - c. Applicant shall pay to PG&E, subject to the refund and allowance provisions of Rules 15 and 16, PG&E's estimated cost of work performed by PG&E for the Distribution Main Extension, including the estimated costs of design, administration, and installation of any additional facilities.
 - d. The lower of PG&E's estimated refundable costs, or Applicant's Contract Anticipated Costs, as reported in G.1.b., for the work normally performed by PG&E, shall be subject to the refund and allowance provisions of Rules 15 and 16.
 - e. Applicant shall pay to PG&E the estimated cost of PG&E's inspection, which shall be a fixed amount not subject to reconciliation. Such inspection costs may be subject to otherwise available allowances up to the difference between the Applicant's Contract Anticipated Costs as reported in G.1.b. and PG&E's estimated costs for performing the same work, but not to exceed PG&E's estimated costs.
 - f. Only duly authorized employees of PG&E are allowed, to connect to, disconnect from, or perform any work upon PG&E's facilities.

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GAS MAIN EXTENSIONS

Sheet 13

G. APPLICANT INSTALLATION OPTION (Cont'd.)

2. MINIMUM CONTRACTOR QUALIFICATIONS. Applicant's contractor or subcontractor (QC/S) shall:
 - a. Be licensed in California for the appropriate type of work, such as, but not limited to, gas and general.
 - b. Employ workmen properly qualified for the specific skills required (plastic fusion, welding, etc.).
 - c. Comply with applicable laws (Equal Opportunity regulations, OSHA, EPA, etc.)
3. OTHER CONTRACTOR QUALIFICATIONS. An Applicant for service who intends to employ a QC/S also should consider whether the QC/S:
 - a. Is technically competent.
 - b. Has access to proper equipment.
 - c. Demonstrates financial responsibility commensurate with the scope of the contract.
 - d. Has adequate insurance coverage (worker's compensation, liability, property damage, etc.).
 - e. Is able to furnish a surety bond for performance of the contract, if required.

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GAS MAIN EXTENSIONS

Sheet 14

H. SPECIAL CONDITIONS

1. **FACILITY RELOCATION OR REARRANGEMENT.** Any relocation or rearrangement of PG&E's existing facilities, at the request of or to meet the convenience of an Applicant or customer, and agreed upon by PG&E, normally shall be performed by PG&E at Applicant's expense. Where new facilities can be constructed in a separate location, before abandonment or removal of any existing facilities, and Applicant requests to perform the new construction work, it can be performed under the applicable provisions of Section G, Applicant Installation Options.

In all instances, PG&E shall abandon or remove its existing facilities at the option of PG&E. Applicant or customer shall be responsible for the costs of all related relocation, rearrangement, and removal work.

2. **PERIODIC REVIEW.** PG&E will periodically review the factors it uses to determine its residential allowances, nonrefundable discount option percentage rate, and cost of service factor stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

Additionally, PG&E shall submit by advice letter proposed tariff revisions, which result from other relevant Commission decisions, to the allowance formula for calculating line and service extension allowances.

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GAS MAIN EXTENSIONS

Sheet 15

H. SPECIAL CONDITIONS (Cont'd.)

3. EXCEPTIONAL CASES. When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling, or for the approval of special condition(s) which may be mutually agreed upon.
4. SERVICE FROM TRANSMISSION LINES. PG&E will not tap a gas transmission line except at its option, when conditions in its opinion justify such a tap. Such taps are made in accordance with the provisions of this rule.

I. DEFINITIONS FOR RULE 15

ADVANCES: Cash payments made to PG&E prior to the initiation of any work done by PG&E which is not covered by allowances.

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

APPLICANT'S CONTRACT ANTICIPATED COST: The cost estimate provided by the Applicant's contractor to the Applicant for performing the applicable refundable work, as stated on the Statement of Applicant's Contract Anticipated Costs (Form 79-1003), or in the case where the work is performed by the Applicant, the Applicant's own cost estimate on the signed form.

BETTERMENT: Facilities installed for PG&E's operating convenience such as, but not limited to the following: to improve gas flow or correct poor pressure conditions, to increase line capacity available to an existing system, to permit pressure conversion of an area, or to install proportionally larger pipe than necessary to provide for future load growth, will be installed at the expense of PG&E.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 16

I. DEFINITIONS FOR RULE 15 (Cont'd.)

CONTRIBUTION: In-kind services, and/or the value of all property conveyed to PG&E at any time during PG&E's work on an extension which is part of PG&E's total estimated installed cost of its facilities, or cash payments not covered by Applicant's allowances.

COST-OF-SERVICE FACTOR: The annualized utility-financed Cost of Ownership as presented in monthly format and stated in Gas Rule 2 that includes taxes, return, depreciation and is applied to the Net Revenue to determine PG&E's investment in distribution facilities.

DISTRIBUTION MAIN EXTENSION: The length of main and its related facilities required to transport gas from the existing distribution facilities to the point of connection with the service pipe.

A Distribution Main Extension consists of new distribution facilities of PG&E that are required to extend service into an open area not previously supplied to serve an Applicant. It is a continuation of, or branch from, the nearest available existing permanent Distribution Main, to the point of connection of the last service. PG&E's Distribution Main Extension includes any required Substructures and facilities for transmission taps but excludes service connections, services, and meters.

DISTRIBUTION MAINS: Mains which are operated at distribution pressure, and supply three (3) or more services or run parallel to the property line in a public right-of-way.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 17

I. DEFINITIONS FOR RULE 15 (Cont'd.)

DISTRIBUTION MAINS: Mains which are operated at distribution pressure, and supply three (3) or more services or run parallel to the property line in a public right-of-way.

EXCAVATION: All necessary Trenching, backfilling, and other digging to install Distribution Main Extension facilities, including furnishing of any imported backfill material and disposal of spoil as required, surface repair and replacement and landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: Small operating loads such as log lighters, barbecues, outdoor lighting, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

JOINT TRENCH: Excavation that intentionally provides for more than one service, such as gas, electricity, cable television, telephone, etc.

MONTHLY OWNERSHIP CHARGE: Cost of Ownership charges (from Gas Rule 2 customer-financed Cost of Ownership percentage) as a percentage rate applied against the outstanding unrefunded refundable balance after thirty six (36) months from the date PG&E is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

NET REVENUE: That portion of the total rate that supports PG&E's Distribution Main and Service Extension costs and excludes such items as fuel costs, transmission, public purpose programs, and other costs that do not support the Distribution Main and Service Extension costs.

NON-RESIDENTIAL ALLOWANCES NET REVENUE MULTIPLIER: This is a revenue-supported factor determined by PG&E that is applied to the net revenues expected from non-residential loads to determine non-residential allowances.

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GAS RULE NO. 15
GAS MAIN EXTENSIONS

Sheet 18

I. DEFINITIONS FOR RULE 15 (Cont'd.)

OWNERSHIP CHARGE: Monthly charge as a percentage rate applied against the outstanding unrefunded refundable balance after thirty-six (36) months from the date PG&E is first ready to serve. Serves to recover the cost of operating and maintaining customer-financed facilities that are not fully utilized.

PERMANENT SERVICE: Service which, in the opinion of PG&E is of a permanent and established character. This may be continuous, intermittent, or seasonal in nature.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), barriers, posts, barricades, and other structures as required by PG&E.

RESIDENTIAL DEVELOPMENT: Five (5) or more dwelling units in two (2) or more buildings located on a single parcel of land.

RESIDENTIAL SUBDIVISION: An area of five (5) or more lots for residential dwelling units which may be identified by filed subdivision plans or an area in which a group of dwellings may be constructed about the same time, either by a builder or several builders working on a coordinated basis.

SEASONAL SERVICE: Gas service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's gas facilities. This includes, but is not limited to, equipment vaults and boxes, required sleeves for street crossings, and enclosures, foundations, or pads for surface-mounted equipment.

TRENCHING: See Excavation.

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GAS RULE NO. 16

GAS SERVICE EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to both: (1) PG&E's Service Facilities* that extend from PG&E's Distribution Main facilities to the Service Delivery Point, and (2) the service related equipment required of Applicant on Applicant's Premises to receive gas service.

A. GENERAL

1. DESIGN. PG&E will be responsible for planning, designing, and engineering its Service Extensions using PG&E's standards for design, materials, and construction. Applicants may elect to use the Applicant Design Option provisions in Rule 15 to design that portion of the new Service Extension normally designed by PG&E.

2. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.

a. In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.

b. PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:

- 1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
- 2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
- 3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.

a-c. Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of gas service or the date when PG&E first invoices the customer for the extension of gas service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section I of this rule.

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			<i>Resolution</i>	



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 1

A. GENERAL (Cont'd.)

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| 23. | SERVICE FACILITIES. For the purposes of this rule, PG&E's Service Facilities shall consist of (a) connection fittings, (b) service pipe, (c) valves, (d) regulators, (e) metering equipment, and (f) other PG&E-owned service related equipment. | (T)
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| 34. | OWNERSHIP OF FACILITIES. Service Facilities installed under the provisions of this rule shall be owned, operated and maintained by PG&E. Applicant shall own, operate, and maintain facilities beyond the Service Delivery Point. | (T)/(L)
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| 45. | PRIVATE LINES. PG&E shall not be required to connect Service Facilities to or serve any Applicant from gas facilities that are not owned, operated and maintained by PG&E. | (T)/(L)
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| 56. | SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2—Description of Service. | (T)/(L)
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| 67. | TEMPORARY SERVICE FACILITIES. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service. | (T)/(L)
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| 78. | CONTRACTS. Applicant requesting service may be required to execute a written contract(s) prior to PG&E performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission). | (T)/(L)
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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 2

A. GENERAL (Cont'd.)

~~89~~. DISTRIBUTION MAIN EXTENSIONS. Whenever PG&E's distribution system is not complete to the point designated by PG&E where the Service Extension is to be connected to PG&E's distribution system, the extension of Distribution Main facilities will be installed in accordance with Rule 15—Gas Main Extensions.

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~~910~~. RIGHTS-OF-WAY. Rights-of-way or easements may be required by PG&E to install Service Facilities on Applicant's property to serve only the Applicant.

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a. SERVICE FACILITIES. If the Service Facilities must cross property owned by a third party to serve the Applicant, PG&E may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E; or

b. DISTRIBUTION MAIN EXTENSIONS. If PG&E's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then PG&E may, at its option, install its facilities under Rule 15 after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E.

c. CLEARANCES. Any necessary rights of way or easements for PG&E's facilities shall have provisions to maintain legal clearances from adjacent structures.

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 3

A. GENERAL (Cont'd.)

119. ACCESS TO APPLICANT'S PREMISES. PG&E shall at all times have the right to enter and leave Applicant's Premises for any purpose connected with the furnishing of gas service (meter reading, inspection, testing, routine repairs, replacement, maintenance, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under PG&E's tariff schedules. These rights include, but are not limited to:

- a. The use of a PG&E-approved locking device, if Applicant desires to prevent unauthorized access to PG&E's facilities.
- b. Safe and ready access for PG&E personnel, free from unrestrained animals.
- c. Unobstructed ready access for PG&E's vehicles and equipment to install, remove, repair or maintain its facilities.
- d. Removal of any and all of its property installed on Applicant's Premises after the termination of service.

124. SERVICE CONNECTIONS. Only personnel duly authorized by PG&E are allowed to connect or disconnect service pipe to or from PG&E's Distribution Main, remove meters, remove PG&E-owned Service Facilities, or perform any work upon PG&E-owned existing facilities.

B. METERING FACILITIES

1. GENERAL

- a. METER ALL USAGE. PG&E will meter delivery of all gas energy, unless otherwise provided for by PG&E's tariff schedules or by other applicable laws.
- b. METER LOCATION. All PG&E meters and associated metering equipment shall be located at some protected location on Applicant's Premises as approved by PG&E.

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 4

B. METERING FACILITIES (Cont'd.)

2. **NUMBER OF METERS.** PG&E normally will install only one meter for a single-family residence or a single nonresidential enterprise on a single Premises, except:

- a. When otherwise required or allowed under PG&E's tariff schedules;
- b. At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design; or,
- c. When required by law or local ordinance.
- d. When additional services are granted by PG&E.

A single meter is required for each single enterprise operating in one building or a group of buildings, or other development on a single Premises, such as, but not limited to, a commercial business, school campus, industrial manufacturer, or recreational vehicle parks, unless otherwise approved by PG&E. (See Rule 18—Supply to Separate Premise and Submetering of Gas for more information.)

3. **MULTIPLE OCCUPANCY.** In a building with two or more tenants, or where PG&E furnishes more than one meter on the same Premises, PG&E's meters normally shall be grouped at one central location, or as otherwise specified by PG&E, and each meter position shall be clearly and permanently marked by Applicant, customer, or owner of the Premises to indicate the particular unit, occupancy, or load supplied by it.
- a. **RESIDENTIAL.** PG&E will individually meter gas service to every residential unit in a residential building, or group of buildings, or other development on a single Premise with multiple tenants, such as, but not limited to, apartment buildings, mobile home parks, etc., except as may be otherwise specified in Rule 18 and applicable rate schedules.
 - b. **NON-RESIDENTIAL.** PG&E will individually meter gas service to each tenant in a non-residential building or group of buildings or other development on a single Premise with multiple tenants or enterprises, (such as, but not limited to, an office building or shopping center complex). Alternative metering arrangements, as determined by PG&E, may be allowed only as specified in Rule 18 and applicable rate schedules.

(Continued)

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 5

C. SERVICE EXTENSIONS

1. GENERAL LOCATION. The location of the Service Extension facilities shall extend:
 - a. FRANCHISE AREA. From the point of connection at the Distribution Main to Applicant's nearest property line abutting upon any street, highway, road, or rights-of-way, along which it already has, or will install Distribution Main; and,
 - b. PRIVATE PROPERTY. On private property, along the shortest, most practical and available route (clear of obstructions) as necessary to reach a Service Delivery Point designated by PG&E.
2. NUMBER OF SERVICE EXTENSIONS. PG&E will not normally provide more than one Service Extension, including associated facilities, for any one building or group of buildings, for a single enterprise on a single Premises, except:
 - a. TARIFF SCHEDULES. Where otherwise allowed or required under PG&E's tariff schedules; or,
 - b. PG&E CONVENIENCE. At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design, or when replacing an existing service; or,
 - c. ORDINANCE. Where required by ordinance or other applicable law, for such things as gas powered fire pumps, etc.
 - d. OTHER. PG&E may charge for additional services provided under this paragraph, as special or added facilities.
3. BRANCH SERVICE. For additional approved Service Delivery Points to serve another Applicant on the same or adjoining Premises, PG&E may install a branch Service Extension at the option of PG&E, and will grant allowances under the conditions as set forth in Section E.
4. OTHER SERVICE CONNECTIONS. Where Applicant or customer requests another type of service connection, such as stub services, curb meters and vaults, or service from transmission lines, PG&E will consider each such request and will grant appropriate allowances as it may determine.

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(Continued)

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 6

C. SERVICE EXTENSIONS (Cont'd.)

5. **UNUSUAL SITE CONDITIONS.** In cases where Applicant's building is located a considerable distance from the available Distribution Main, or where there is an obstruction or other deterrent obstacle or hazard, such as plowed land, ditches, or inaccessible security areas between PG&E's Distribution Main and the building or facility to be served that would prevent PG&E from prudently installing, owning, and maintaining its Service Facilities, PG&E may at its discretion, modify the normal Service Delivery Point location. In such cases, the Service Delivery Point shall be at such other location on Applicant's property as may be mutually agreed upon; or, alternatively, the Service Delivery Point may be located at or near Applicant's property line, as close as practical to the available Distribution Main.

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS

1. **APPLICANT RESPONSIBILITY.** In accordance with PG&E's design, specifications, and requirements for the installation of Service Extensions, subject to PG&E's inspection and approval, Applicant is responsible for:
 - a. **SERVICE EXTENSIONS.**
 - 1) **CLEAR ROUTE.** Applicant shall provide (or pay for) a route on any private property that is clear of obstructions which would inhibit the construction of the Service Extensions.
 - 2) **EXCAVATION.** All necessary trenching, backfilling and other digging as required, including permit fees.
 - 3) **SUBSTRUCTURES.**
 - a) Furnishing, installing, owning, and maintaining all support pads, meter or regulator vaults or other Substructures on Applicant's Premises;
 - b) Furnishing and installing any Substructures in PG&E's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension; and,
 - c) Conveying ownership to PG&E upon its acceptance of those Substructures not on Applicant's Premises.

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Sheet 7

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c. **REQUIRED SERVICE EQUIPMENT.** Applicant shall, at its sole liability, risk and expense, be responsible to furnish, install, own, maintain, inspect and keep in good and safe condition, all facilities of any kind or character on Applicant's Premises, that are not the responsibility of PG&E, but are required by PG&E for Applicant to receive service. Such facilities shall include, but are not limited to gas pipe, valves, regulators, appliances, fixtures, and apparatus of any kind or character. Detailed information on PG&E's service equipment requirements will be furnished by PG&E.

(Continued)



GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 8

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY. (Cont'd.)

- d. **LIABILITY.** PG&E shall incur no liability whatsoever, for any damage, loss or injury occasioned by:
 - 1) Applicant-owned equipment or Applicant's transmission and delivery of energy; or,
 - 2) The negligence, omission of proper shut-off valves or other protective and safety devices, want of proper care, or wrongful act of Applicant, or any agents, employees, or licensees of Applicant, on the part of Applicant installing, maintaining, using, operating, or interfering with any such pipes, valves, regulators, or apparatus.
- e. **FACILITY TAMPERING.** Applicant shall provide a suitable means acceptable to PG&E for placing its seals on meters and related equipment. All PG&E-owned meters shall be sealed only by PG&E's authorized employees and such seals shall be broken only by PG&E's authorized employees. However, in an emergency, PG&E may allow a public authority, or other appropriate party to break the seal. Any unauthorized tampering with PG&E-owned seals or equipment, or connection of customer-owned facilities to PG&E's service pipe at any time, is prohibited, and is subject to the provisions of Rule 11—Discontinuance and Restoration of Service for unauthorized use.
- f. **LARGE METERING INSTALLATIONS ON APPLICANT'S PREMISES.** If it is necessary to have a large, specifically designed, PG&E-owned metering and related equipment installed on Applicant's Premises to serve Applicant, Applicant shall be responsible for complying with the following general provisions:
 - 1) **REQUIRED SPACE.** Applicant shall provide space, including working space, on Applicant's Premises, at a location approved by PG&E, for a metering installation, including any necessary regulators, pipes and valves.

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 9

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY. (Cont'd.)

**f. LARGE METERING INSTALLATIONS ON CUSTOMER'S PREMISES.
(Cont'd.)**

2) ROOM OR VAULT. Where Applicant requests and PG&E approves the installation of the meter(s) or regulator(s) in a vault or room on Applicant's Premises, rather than PG&E's standard outdoor installation:

- a) The room or vault on Applicant's Premises shall be furnished, installed, owned, and maintained by customer, and shall meet PG&E's specifications for such things as access, ventilation, drainage, etc.
- b) If space cannot be provided on Applicant's Premises for the installation of a meter and regulator, a vault may be installed, at Applicant's expense, in the street area near property line. It shall be Applicant's responsibility to install such vault, if not restricted by the governmental authority having jurisdiction, and Applicant shall convey ownership of the vault to PG&E upon its acceptance. These additional facilities shall be treated as special facilities under the provisions of Rule 2.
- c) If PG&E's installed cost for the meter or regulator in the room or vault is more costly than the standard outdoor installation, the additional costs shall be paid by Applicant as special facilities.

g. BUILDING CODE REQUIREMENTS. Any service equipment and other service related equipment owned by Applicant, as well as any vault, room, enclosure, shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction.

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 10

D. RESPONSIBILITIES FOR NEW SERVICE FACILITIES (Cont'd.)

1. APPLICANT RESPONSIBILITY. (Cont'd.)

- h. **REASONABLE CARE.** Applicant shall exercise reasonable care to prevent PG&E's Service Extension, meters and other facilities owned by PG&E on Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with PG&E's operation of the facilities and shall notify PG&E of any obvious defect. Applicant may be required to provide and install suitable protection (barrier posts, etc.) as required by PG&E.

2. PG&E RESPONSIBILITY

- a. **INSTALL SERVICE FACILITIES.** PG&E will furnish, install, own and maintain the Service Facilities, as applicable after Applicant meets all requirements to receive service.
- b. **GOVERNMENT INSPECTION.** PG&E will establish gas service to Applicant following notice from the governmental authority having jurisdiction that the customer-owned facilities have been installed and inspected in accordance with any applicable laws, codes, ordinances, rules, or regulations, and are safe to pressurize.

3. INSTALLATION OPTIONS.

- a. **PG&E PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Service Extension work normally the responsibility of Applicant according to Section D.1, provided Applicant pays PG&E its total estimated installed cost.
- b. **APPLICANT PERFORMED WORK.** Applicant may elect to use competitive bidding to install that portion of the new Service Extension normally installed and owned by PG&E, in accordance with the same provisions outlined in Rule 15.

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 11

E. ALLOWANCES AND PAYMENTS BY APPLICANT

1. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Main Extensions, Service Extensions, or combination thereof, for Permanent Residential Service is determined by PG&E in accordance with the provisions of Rule 15 Section C. The allowance will first be applied to the Service Facilities. Any excess allowance will be applied to the Distribution Main Extension, to which the service is connected, in accordance with Rule 15.
2. **NON-RESIDENTIAL ALLOWANCES.** For non-residential Service Extension Applicants the value of such items as connection fittings, service pipe, valves, regulators, and metering equipment, (but not including such items defined as Applicant responsibility as listed in Section D) will be treated in accordance with the allowance and refund provisions of Rule 15.
3. **SEASONAL, INTERMITTENT, EMERGENCY AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowances for such loads shall be determined by using the formula in Section C of Rule 15. No allowance will be provided where service is used only for emergency purposes, or for insignificant loads.
4. **PAYMENTS.** Applicant is responsible to pay PG&E the following non-refundable costs, as applicable under this rule and in advance of PG&E commencing its work:
 - a. **EXCESS SERVICE FACILITIES.** PG&E estimated installed cost, including appurtenant facilities such as fittings, valves, service pipe, service regulators, and metering equipment, etc., in excess of the allowance.

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San Francisco, California

Cal. P.U.C. Sheet No. 18824-G
Cal. P.U.C. Sheet No. 17735-G

Sheet 12

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 13

F. EXISTING SERVICE FACILITIES (Cont'd.)

1. SERVICE REINFORCEMENT. (Cont'd.)

- b. APPLICANT OWNED. The Applicant shall replace or reinforce that portion of the Service Extension which the Applicant will continue to own under the provisions of this rule.

2. SERVICE RELOCATION OR REARRANGEMENT.

- a. PG&E CONVENIENCE. When, in the judgment of PG&E, the relocation or rearrangement of a service is necessary for the maintenance of adequate service, or for the operating convenience of PG&E, PG&E normally will perform such work at its own expense, except as provided in Sections F.2.b, F.3 or F.4.
- b. APPLICANT CONVENIENCE. Any relocation or rearrangement of PG&E's existing Service Facilities, at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by PG&E, the work shall be performed in accordance with Section D, except that Applicant shall pay PG&E its total estimated costs.

In all instances, PG&E shall abandon or remove the existing facilities at the option of PG&E, rendered idle by the relocation, or rearrangement.

3. IMPAIRED ACCESS AND CLEARANCES. Whenever PG&E determines that:

- a. ACCESS. Its existing Service Facilities have become inaccessible for inspections, operating, maintenance, meter reading, or testing; or,
- b. CLEARANCE. A hazardous condition exists, or any of the required clearances between the existing Service Facilities and any object become impaired, under any applicable laws, ordinances, rules, regulations of PG&E or of public authorities, then the following applies:

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 14

F. EXISTING SERVICE FACILITIES (Cont'd.)

3. IMPAIRED ACCESS AND CLEARANCES. (Cont'd.)

c. CORRECTIVE ACTION. Applicant or owner shall, at Applicant's or owner's expense, either correct the access or clearance infractions, or pay PG&E its total estimated cost to relocate its facilities to a new location which is acceptable to PG&E. Applicant or owner shall also be responsible for the expense to relocate any equipment which Applicant owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.

4. DAMAGED FACILITIES. When PG&E's facilities are damaged by others, the repair will be made by PG&E at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

5. SUBDIVISION OF PREMISES. When PG&E's Service Facilities are located on private property, and such private property is subsequently subdivided into separate Premises, with ownership transferred to other than Applicant or customer, the subdivider is required to provide PG&E with adequate rights of way, satisfactory to PG&E, for its existing facilities, and to notify property owners of the subdivided Premises of the existence of the right-of-way.

When adequate rights-of-way are not granted as a result of the property subdivision, PG&E shall have the right, upon written notice to the current customer, to discontinue service without obligation or liability. The existing owner, Applicant or customer shall pay to PG&E the total estimated cost of any required relocation of PG&E's facilities. A new gas service will be re-established in accordance with the provisions of Section D for new services and the provisions of any other applicable PG&E rules.

G. PERIODIC REVIEW. PG&E will periodically review the factors it uses to determine its allowances and costs stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

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GAS RULE NO. 16
GAS SERVICE EXTENSIONS

Sheet 15

H. EXCEPTIONAL CASES. When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to Public Utilities Commission for a special ruling or for the approval of special conditions which may be mutually agreed upon.

I. DEFINITIONS FOR RULE 16

APPLICANT: A person or agency requesting PG&E to supply Gas Service.

DISTRIBUTION MAIN: PG&E's gas facilities, which are operated at distribution pressure and which are designed to supply three (3) or more services.

EXCAVATION: All necessary trenching, backfill, and other digging as required to install Service Extensions, including furnishing of any imported backfill material and disposal of spoil as required, surface repair and replacement, landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: These are small operating loads, such as log lighters, barbecues, outdoor lighting, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

PREMISES: All of the real property and apparatus employed in a single enterprise on a integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highway or other public thoroughfare or a railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the premises served.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), barriers, posts, barricades and other structures as required by PG&E.

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San Francisco, California

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Cal. P.U.C. Sheet No. 17739-G

Sheet 16

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 1

APPLICABILITY: This rule is applicable to extension of electric Distribution Lines* of PG&E's standard voltages (less than 50 kV) necessary to furnish Permanent electric service to Applicants, and will be made in accordance with the following provisions:

A. GENERAL

1. DISTRIBUTION LINE EXTENSION BASIS

- a. DESIGN. PG&E will be responsible for planning, designing, and engineering Distribution Line Extensions using PG&E's standards for material, design, and construction. Applicants may elect to use the Applicant Design Option provisions of this Rule to design that portion of the Distribution Line Extension normally designed by PG&E.

b. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.

- 1) In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.
- 2) PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:
 - a) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.
 - b) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.
 - c) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.
- 3) Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when PG&E first invoices the customer for the extension of electric service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

* Certain words beginning with capital letters are defined either within the provisions of this rule or in Section J of this rule.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 2

A. GENERAL (Cont'd)

(T)

1. DISTRIBUTION LINE EXTENSION BASIS (Cont'd)

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bc. OWNERSHIP. The Distribution Line Extension facilities installed under the provisions of this rule, shall be owned, operated, and maintained by PG&E, except for Substructures and enclosures that are on, under, within, or part of a building or structure.

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ed. PRIVATE LINES. PG&E shall not be required to serve any Applicant from Distribution Line Extension facilities that are not owned, operated, and maintained by PG&E.

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2. DISTRIBUTION LINE EXTENSION LOCATIONS

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a. RIGHTS OF WAY. PG&E will own, operate and maintain Distribution Line Extension facilities only:

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1) along public streets, alleys, roads, highways and other publicly dedicated ways and places which PG&E has the legal right to occupy (franchise areas), and

2) on public lands and private property across which rights of way and permits satisfactory to PG&E may be obtained without cost to or condemnation by PG&E.

b. NORMAL ROUTE OF LINE. The length and normal route of a Distribution Line Extension will be determined by PG&E and considered as the distance along the shortest, most practical, available, and acceptable route which is clear of obstructions from PG&E's nearest permanent and available distribution facility to the point from which the service facilities will be connected.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 3

A. GENERAL (Cont'd.)

3. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. UNDERGROUND REQUIRED. Underground Distribution Line Extensions shall be installed where required to comply with applicable laws and ordinances or similar requirements of governmental authorities having jurisdiction and where PG&E maintains or desires to maintain underground distribution facilities. For example, underground Distribution Line Extensions are required for all new: (1) Residential Subdivisions (except as provided for in Section H), (2) Residential Developments, (3) Commercial Developments, (4) Industrial Developments, and (5) locations that are in proximity to and visible from designated Scenic Areas.
- b. UNDERGROUND OPTIONAL. When requested by Applicant and agreed upon by PG&E, underground Distribution Line Extensions may be installed in areas where it is not required, as provided in Section A.3.a.
 - 1) Beginning **January 2, 2021**, PG&E will no longer accept requests under the Special Facilities provision of Rule 2, Section I, for underground distribution systems that call for specified pieces of electrical equipment to be installed in below-ground structures in circumstances where it is technically feasible to install the equipment above ground. Such requests will no longer be accepted for situations indicated in A.3.c.i, A.3.c.ii, and with certain exceptions A.3.c.iii, below. However, all requests which call for below ground installations that are received by PG&E prior to **January 2, 2021** will be "grandfathered" and not subject to the provisions of this Rule section. These grandfathered requests must be approved by PG&E for construction by **April 1, 2021** and installed by **April 1, 2022**.
 - i. New construction on any property except public property and public rights-of-way;
 - ii. Circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities on any property except public property and public rights of way resulting in a change of use or occupancy as defined in state or local law;
 - iii. Except for situations on a case-by-case basis in which the local authority and PG&E agree to locate Equipment above ground because the above-ground location is technically feasible for the installation.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 4

A. GENERAL (Cont'd.)

3. UNDERGROUND DISTRIBUTION LINE EXTENSIONS (cont'd)

c. (cont'd)

For purposes of this provision, specified pieces of equipment include all primary voltage from 4 kV to 35 kV electrical distribution system equipment (Equipment), including, but not limited to, transformers, switches and fuses, capacitors, and junction bars.

“Technically feasible” means that enough space is, or can be made, available above ground for the electrical distribution Equipment needed for PG&E to serve customers and that other requirements, such as obtaining the required permits, are met. The required space is defined by existing design standards within the operation and maintenance requirements that are in compliance with applicable safety codes and regulations such as CPUC General Order 128.

Where PG&E has existing primary voltage distribution equipment installed in below ground structures, the equipment will continue to be operated and maintained below ground. However, in accordance with Section A.3.c.iii, above, where existing below-ground Equipment must be modified by PG&E, above-ground retrofits shall only occur in circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities resulting in a change of use or occupancy as defined in state or local law; or when agreed to by the local authority and PG&E on a case-by-case basis.

Design and installation of any above-ground Equipment shall comply with the typical installations depicted in PG&E’s Electric Design Manual, as well as land use laws, including local ordinances respecting matters of public health, safety and convenience, that are of general applicability to above-ground utility structures regardless of ownership, to the extent the same would not directly or effectively require the Equipment to be located underground.

When modifying existing Equipment installed in the above-ground public rights-of-way, PG&E shall comply with local ordinances respecting matters of public health and safety and convenience, to the extent that the same are of general applicability to other utility and public works structures or equipment, regardless of ownership, installed in the public rights-of-way do not directly or effectively require the Equipment to be located underground, or otherwise conflict with the design standards contained in PG&E’s Electric Design Manual and similar documents.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 5

A. GENERAL (Cont'd.)

4. OVERHEAD DISTRIBUTION LINE EXTENSIONS. Overhead extensions may be installed only where underground Distribution Line Extensions are not required as provided in Section A.3.a.
5. SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E agrees to install at the request of Applicant will be installed at Applicant's expense in accordance with Rule 2—Description of Service.
6. TEMPORARY SERVICE. Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service.
7. SERVICES. Service facilities connected to the Distribution Lines to serve an Applicant's premises will be installed, owned and maintained as provided in Rule 16—Service Extensions.
8. CONVERSIONS OF OVERHEAD TO UNDERGROUND. The replacement of existing overhead Distribution Lines with underground Distribution Lines will be made in accordance with Rule 20—Replacement of Overhead With Underground Electric Facilities.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 6

A. GENERAL (Cont'd.)

9. STREET LIGHTS. Street lights and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.
10. CONTRACTS. Each Applicant requesting a Distribution Line Extension may be required to execute a written contract(s), prior to PG&E performing its work on the Distribution Line Extension. Such contracts shall be in the form on file with the California Public Utilities Commission (Commission).

B. INSTALLATION RESPONSIBILITIES

1. UNDERGROUND DISTRIBUTION LINE EXTENSIONS

- a. APPLICANT RESPONSIBILITY. In accordance with PG&E's design, specifications, and requirements, Applicant is responsible for:
 - 1) EXCAVATION. All necessary trenching, backfilling, and other digging as required.
 - 2) SUBSTRUCTURES AND CONDUITS. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary installed Substructures and Conduits, including Feeder Conduits and related Substructures required to extend to and within subdivisions and developments.
 - 3) PROTECTIVE STRUCTURES. Furnishing, installing, and upon acceptance by PG&E, conveying to PG&E ownership of all necessary Protective Structures.
- b. PG&E RESPONSIBILITY. PG&E is responsible for furnishing and installing cables, switches, transformers, and other distribution facilities required to complete the Distribution Line Extension.

2. OVERHEAD DISTRIBUTION LINE EXTENSIONS. PG&E is responsible for furnishing and installing all facilities required for the Distribution Pole Line Extension.

(Continued)



ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 7

B. INSTALLATION RESPONSIBILITIES (Cont'd.)

3. INSTALLATION OPTIONS

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Distribution Line Extension work normally installed by Applicant according to Section B.1.a., provided Applicant pays PG&E its total estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to install that portion of the new Distribution Line Extension normally installed by PG&E, in accordance with PG&E's design and specifications, using qualified contractors. (See Section G, Applicant-Installation Options).

C. DISTRIBUTION LINE EXTENSION ALLOWANCES

1. **GENERAL.** PG&E will complete a Distribution Line Extension without charge provided PG&E's total estimated installed costs do not exceed the allowances from permanent, bona-fide loads to be served by the Distribution Line Extension within a reasonable time, as determined by PG&E. The allowance will first be applied to the Residential Service Facilities, in accordance with Rule 16. Any excess allowance will be applied to the Distribution Line Extension to which the Service Extension is connected. The allowance for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extensions.
2. **BASIS OF ALLOWANCES.** Allowances shall be granted to an Applicant for Permanent Service, or to an Applicant for a subdivision or development under the following conditions:
 - a. PG&E is provided evidence that construction will proceed promptly and financing is adequate, and
 - b. Applicant has submitted evidence of building permit(s) or fully-executed home purchase contract(s) or lease agreement(s), or
 - c. Where there is equivalent evidence of occupancy or electric usage satisfactory to PG&E.

The allowances in Sections C.3 and C.4 are based on a revenue-supported methodology using the following formula:

$$\text{Allowance} = \frac{\text{Net Revenue}}{\text{Cost-of Service Factor}}$$

where the Cost of Service Factor is the annualized utility-financed Cost of Ownership as stated in Electric Rule 2

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 8

C. DISTRIBUTION LINE EXTENSION ALLOWANCES (Cont'd.)

3. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service is \$2,154 per meter or residential dwelling unit.

4. **NON-RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Non-Residential Service is determined by PG&E using the formula in Section C.2.

Where the Distribution Line Extension will serve a combination of residential and non-residential meters, residential allowances will be added to non-residential allowances.

5. **SEASONAL, INTERMITTENT, EMERGENCY, AND INSIGNIFICANT LOADS.** When an Applicant requests service that requires a Distribution Line Extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined using the formula in Section C.2. No allowance will be provided where service is used only for emergency purposes, or for Insignificant Loads.

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT

1. **GENERAL.** Contributions or Advances by an Applicant to PG&E for the installation of a Distribution Line Extension to receive PG&E service consists of such things as cash payments, the value of facilities deeded to PG&E, and the value of Excavation performed by Applicant.

2. **PROJECT-SPECIFIC COST ESTIMATES.** PG&E's total estimated installed cost will be based on a project-specific estimated cost.

3. **CASH ADVANCE.** A cash Advance will be required only if Applicant's excess allowance is less than PG&E's total estimated installed cost to complete a Distribution Line Extension.

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DISTRIBUTION LINE EXTENSIONS

Sheet 9

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

4. **TAX.** All contributions and advances by Applicant are taxable and shall include an Income Tax Component of Contribution (ITCC) at the rate provided in PG&E's Preliminary Statement. ITCC will be either refundable or non-refundable in accordance with the corresponding contribution.
5. **REFUNDABLE AND NON-REFUNDABLE AMOUNTS.** Applicant shall contribute or advance, before the start of PG&E's construction, the following:
 - a. **UNDERGROUND REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of the PG&E's total estimated installed cost, including ITCC, to complete the underground Distribution Line Extension (including distribution transformers, and any non-residential service facilities, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:
 - 1) **CABLING.** The estimated installed cost of any necessary Cabling (including distribution transformers and any non-residential service facilities) installed by PG&E to complete the underground Distribution Line Extension. This includes the cost of conversion of existing single-phase lines to three-phase lines, if required; plus
 - 2) **SUBSTRUCTURES.** PG&E's estimated value of Substructures installed by Applicant and deeded to PG&E as required.
 - b. **OVERHEAD REFUNDABLE AMOUNT.** Applicant's refundable amount is the portion of the PG&E's total estimated installed cost, including ITCC, to complete the overhead Distribution Line Extension (including distribution transformers, and any non-residential service facilities, and excluding Betterments) that exceeds the amount of Distribution Line Extension allowance determined in Section C for:
 - 1) **POLE LINE.** All necessary facilities required for an overhead Distribution Pole Line Extension and, if required, the conversion of existing single-phase lines to three-phase lines; plus
 - 2) **TRANSMISSION UNDERBUILDS.** PG&E's total estimated installed cost of the underbuild, where all or a portion of an overhead Distribution Line Extension is to be constructed on existing transmission poles of PG&E.

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DISTRIBUTION LINE EXTENSIONS

Sheet 10

D. CONTRIBUTIONS OR ADVANCES BY APPLICANT (Cont'd.)

5. REFUNDABLE AND NON-REFUNDABLE AMOUNTS (Cont'd.)

- c. **NON-REFUNDABLE DISCOUNT OPTION.** In lieu of contributing the refundable amount determined in Section D.5.a or D.5.b, Applicant has the option of contributing, on a non-refundable basis, fifty percent (50%) of such refundable amount; plus
- d. **OTHER NON-REFUNDABLE AMOUNTS.** Applicant's non-refundable amount is PG&E's estimated value of Excavation, Conduits, and Protective Structures required by PG&E for the Distribution Line Extension under Section B.1.a.

- 6. **JOINT APPLICANTS.** The total contribution or advance from a group of Applicants will be apportioned among the members of the group in such manner as they may mutually agree.

7. PAYMENT ADJUSTMENTS

- a. **CONTRACT COMPLIANCE.** If, after six (6) months following the date PG&E is first ready to serve residential loads for which allowances were granted, one (1) year for non-residential loads, Applicant fails to take service, or fails to use the service contracted for, Applicant shall pay to PG&E an additional contribution or Advance, based on the allowances for the revenue actually generated.
- b. **EXCESS FACILITIES.** If the loads provided by Applicant(s) result in PG&E having installed facilities which are in excess of those needed to serve the actual loads, and PG&E elects to reduce such excess facilities, Applicant shall pay PG&E its estimated total costs to remove, abandon, or replace the excess facilities, less the estimated salvage of any removed facilities.

E. REFUNDS

- 1. **GENERAL.** Refunds are based on the allowances and conditions in effect at the time the contract is signed. Residential Allowances: the allowance in excess of that needed for the Residential Service Extension in accordance with Rule 16 will be applied to the Distribution Line Extension to which the Service Extension is connected. Non-Residential Allowances: the allowances for non-residential applicants will be applied to the combined refundable cost of the Distribution and Service Extension.
- 2. **TOTAL REFUNDABLE AMOUNT.** The total amount subject to refund is the sum of the refundable amounts made under Section D.5.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 11

E. REFUNDS (Cont'd.)

3. REFUND PERIOD. The total refundable amount is subject to refund for a period of ten (10) years after the Distribution Line Extension is first ready for service.
4. RESIDENTIAL. Refunds will be made on the basis of a new customer's Permanent Load which produces additional revenues to PG&E. The refund will be deducted from the total refundable amount, and the remaining amount subject to refund represents that portion of the Distribution Line Extension cost not supported by revenues. (See Section E.11 for series refunding provisions.)
5. NON-RESIDENTIAL. PG&E shall be responsible to review Applicant's actual base annual revenue for the first three years from the date PG&E is first ready to serve. Applicant shall be responsible for notifying PG&E if new, permanent load is added the fourth through tenth year from the date PG&E is first ready to serve. Such review shall determine if additional revenue supports any refunds to Applicant. (See Section E.11 for series refunding provisions.)
6. UNSUPPORTED DISTRIBUTION LINE EXTENSION COST. When any portion of a refundable amount has not qualified for a refund at the end of twelve (12) months from the date PG&E is first ready to serve, Applicant will pay to PG&E a monthly Cost of Ownership charge (Electric Rule 2 applicant-financed Cost of Ownership percentage) on the remaining refundable balance. Monthly Cost of Ownership costs are in addition to the refundable amount and will normally be accumulated and deducted from refunds due to Applicant. This provision does not apply to individual residential Applicants.
7. REFUND TIMING. Refunds will be made without interest within ninety (90) days after the date of first service to new permanent loads, except that refunds may be accumulated to fifty-dollars (\$50) minimum or the total refundable balance, if less than fifty-dollars (\$50).
8. MAXIMUM REFUND. No refund shall be made in excess of the refundable amount nor after a period of ten (10) years from the date PG&E is first ready to serve. Any unrefunded amount remaining at the end of the ten(10)-year period shall become property of PG&E.

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DISTRIBUTION LINE EXTENSIONS

Sheet 12

E. REFUNDS (Cont'd.)

9. PREVIOUS RULES. Refundable amounts Contributed or Advanced under conditions of a rule previously in effect will be refunded in accordance with the provisions of such earlier rule.
10. JOINT APPLICANTS. When two (2) or more parties make joint Contributions or Advances on the same Distribution Line Extension, refunds will be distributed to these parties in the same proportion as their individual Contributions or Advances bear to the total refundable amount, or as they mutually agree.
11. SERIES OF DISTRIBUTION LINE EXTENSIONS. Where there is a series of Distribution Line Extensions, commencing with a Distribution Line Extension having an outstanding amount subject to refund, and each Distribution Line Extension is dependent on the previous Distribution Line Extension as a direct source of supply, a series refund will be made as follows:
 - a. Additional service connections supplied from a Distribution Line Extension on which there is a refundable amount will provide refunds first to the Distribution Line Extension to which they are connected; and
 - b. When the amount subject to refund on a Distribution Line Extension in a series is fully refunded, the excess refundable amount will provide refunds to the Distribution Line Extension having the oldest outstanding amount subject to refund in the series.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 13

F. APPLICANT DESIGN OPTION

1. COMPETITIVE BIDDING. When Applicant selects competitive bidding, the Distribution Line Extension may be designed by Applicant's qualified contractor or sub-contractor, but the design must be in accordance with PG&E's design and construction standards. All applicant design work of gas and electric facilities must be performed by or under the direction of a licensed professional engineer and all design work submitted to PG&E must be certified by an appropriately licensed professional engineer, consistent with the applicable federal, state, and local codes and ordinances. The applicant design option is available to Applicants for new service and is not available for replacement, reinforcement, or relocation of existing systems, where there is no applicant for new line or service extension work. Under this option, the following applies:
 - a. Applicant shall notify PG&E, in a manner acceptable to PG&E.
 - b. Applicant designs shall conform to all applicable federal, state and local codes and ordinances for utility installations (such as, but not limited to the California Business and Professions Code).
 - c. PG&E may require applicant designers to meet its pre-qualification requirements prior to participating in applicant design.

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DISTRIBUTION LINE EXTENSIONS

Sheet 14

F. APPLICANT DESIGN OPTION FOR NEW RESIDENTIAL INSTALLATIONS
(Cont'd.)

1. COMPETITIVE BIDDING (Cont'd.)

- d. Applicant designers shall obtain PG&E's design and construction standards and specifications prior to performing applicant design. PG&E may charge for any of these services.
- e. PG&E will perform one plan check on each applicant design project at no expense to Applicant. All subsequent plan checks will be at Applicant's expense.
- f. For designs performed by a non-utility designer, PG&E will credit Applicant with the amount of PG&E's design bid less appropriate charges such as for plan checking, changes, or revisions.
- g. In the case of Applicant designed projects requiring an advance, PG&E will deduct the design credit from Applicant's advance.
- h. If no advance is required, will reimburse/refund the Applicant for the cost of the design after the Distribution Line Extension is first ready to serve.
- i. PG&E shall perform all project accounting and cost estimating.
- j. The applicant design option for new non-residential installations will be available as an option to Applicants no later than July 1, 2001.

G. APPLICANT INSTALLATION OPTIONS

- 1. **COMPETITIVE BIDDING.** When Applicant selects competitive bidding, the extension may be installed by Applicant's qualified contractor or sub-contractor in accordance with PG&E's design and specifications. Under this option, the following applies:

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DISTRIBUTION LINE EXTENSIONS

Sheet 15

G. APPLICANT INSTALLATION OPTIONS (Cont'd.)

1. COMPETITIVE BIDDING (Cont'd.)

Upon completion of Applicant's installation and acceptance by PG&E, ownership of all such facilities will transfer to PG&E.

- b. Applicant shall provide to PG&E, prior to PG&E preparing the line extension contract, the Applicant's Contract Anticipated Costs subject to refund to perform the work normally provided by PG&E. The Applicant shall submit, on a form provided by PG&E, a statement of such costs. If the Applicant elects not to provide such costs to PG&E, the Applicant shall acknowledge its election on the form and PG&E will use its estimated costs.
- c. Applicant shall pay to PG&E, subject to the refund and allowance provisions of Rules 15 and 16, PG&E's estimated cost of work performed by PG&E for the Distribution Line Extension, including the estimated costs of design, administration, and installation of any additional facilities.
- d. The lower of PG&E's estimated refundable costs, or Applicant's Contract Anticipated Costs, as reported in G.1.b., for the work normally performed by PG&E, shall be subject to the refund and allowance provisions of Rules 15 and 16.
- e. Applicant shall pay to PG&E the estimated cost of PG&E's inspection, which shall be a fixed amount not subject to reconciliation. Such inspection costs may be subject to otherwise available allowances up to the difference between the Applicant's Contract Anticipated Costs as reported in G.1.b. and PG&E's estimated costs for performing the same work, but not to exceed PG&E's estimated costs.
- f. Only duly authorized employees of PG&E are allowed to connect to, disconnect from, or perform any work upon PG&E's facilities.

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DISTRIBUTION LINE EXTENSIONS

Sheet 16

G. APPLICANT INSTALLATION OPTIONS (Cont'd.)

2. MINIMUM CONTRACTOR QUALIFICATIONS. Applicant's contractor or subcontractor (QC/S) shall:
 - a. Be licensed in California for the appropriate type of work (electrical and general, etc.).
 - b. Employ workmen properly qualified for specific skills required (Qualified Electrical Worker, Qualified Person, etc.) as defined in State of California High Voltage Safety Orders (Title 8, Chapter 4, Subchapter 5, Group 2).
 - c. Comply with applicable laws (Equal Opportunity Regulations, OSHA, EPA, etc.)
3. OTHER CONTRACTOR QUALIFICATIONS. An Applicant for service who intends to employ a QC/S also should consider whether the QC/S:
 - a. Is technically competent.
 - b. Has access to proper equipment.
 - c. Demonstrates financial responsibility commensurate with the scope of the contract.
 - d. Has adequate insurance coverage (worker's compensation, liability, property damage).
 - e. Is able to furnish a surety bond for performance of the contract, if required.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 17

H. OVERHEAD DISTRIBUTION LINE EXTENSIONS FOR SUBDIVISIONS OR DEVELOPMENTS

1. Overhead extensions may be constructed in Residential Subdivisions or Developments only where either a. or b. below are found to exist:
 - a. The lots within the Residential Subdivision or Development existed as legally described parcels prior to May 5, 1970, and significant overhead lines exist within the subdivision or development.
 - b. The minimum parcel size within the new Residential Subdivision or real estate development, identifiable by a map filed with the local government authority, is three (3) acres and Applicant for the Distribution Line Extension shows that all of the following conditions exist:
 - 1) Local ordinances do not require underground construction.
 - 2) Local ordinances or land use policies do not permit further division of the parcels involved such that parcel sizes less than three (3) acres could be formed.
 - 3) Local ordinances or deed restrictions do not allow more than one single-family dwelling or accommodation on a parcel of less than three (3) acres, or any portion of a parcel of less than three (3) acres.
 - 4) Exceptional circumstances do not exist which, in PG&E's opinion, warrant the installation of underground distribution facilities. Whenever PG&E invokes this provision, the circumstances shall be described promptly in a letter to the Commission, with a copy to Applicant for the Distribution Line Extension.
 - 5) PG&E does not elect to install the Distribution Line Extension underground for its operating convenience. Whenever PG&E elects to install the extension underground for its operating convenience, the extra cost compared with overhead shall be borne by PG&E.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 18

I. SPECIAL CONDITIONS

1. **FACILITY RELOCATION OR REARRANGEMENT.** Any relocation or rearrangement of PG&E's existing facilities, at the request of, or to meet the convenience of an Applicant or customer, and agreed upon by PG&E, normally shall be performed by PG&E. Where new facilities can be constructed in a separate location, before abandonment or removal of any existing facilities, and Applicant requests to perform the new construction work, it can be performed under the applicable provisions of Section G, Applicant Installation Options.

In all instances, PG&E shall abandon or remove its existing facilities, at the option of PG&E. Applicant or customer shall be responsible for the costs of all related relocation, rearrangement and removal work.

2. **PERIODIC REVIEW.** PG&E will periodically review the factors it uses to determine its residential allowances, non-refundable discount option percentage rate, and Cost-of-Service Factor stated in this rule. If such review results in a change of more than five percent (5%), PG&E will submit a tariff revision proposal to the Commission for review and approval. Such proposed changes shall be submitted no sooner than six (6) months after the last revision.

Additionally, PG&E shall submit by advice letter proposed tariff revisions, which result from other relevant Commission decisions, to the allowance formula for calculating line and service extension allowances.

3. **EXCEPTIONAL CASES.** When the application of this rule appears impractical or unjust to either party or the ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling or for special condition(s), which may be mutually agreed upon.

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 19

J. DEFINITIONS FOR RULE 15

ADVANCE: Cash payments made to PG&E prior to the initiation of any work done by PG&E which is not covered by allowances.

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

APPLICANT'S CONTRACT ANTICIPATED COST: The cost estimate provided by the Applicant's contractor to the Applicant for performing the applicable refundable work, as stated on the Statement of Applicant's Contract Anticipated Costs (Form 79-1003), or in the case where the work is performed by the Applicant, the Applicant's own cost estimate on the signed form.

BETTERMENT: Facilities installed by Applicant at the request of PG&E in addition to those required under Section B.1.

CABLING: Conductors (including cable-in-conduit, if used), connectors, switches, as required by PG&E for primary, secondary, and service installations.

COMMERCIAL DEVELOPMENT: Two (2) or more enterprises engaged in trade or the furnishing of services, (e.g., shopping centers, sales enterprises, business offices, professional offices, and educational or governmental complexes) and located on a single parcel or on two (2) or more contiguous parcels of land.

CONDUIT: Ducts, pipes, or tubes of certain metals, plastics or other materials acceptable to PG&E (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

CONTRIBUTION: In-kind services and the value of all property conveyed to PG&E at any time during PG&E's work on an extension which is part of PG&E's total estimated installed cost of its facilities, or cash payments not covered by Applicant's allowances.

COST OF SERVICE FACTOR: The annualized utility-financed Cost of Ownership as stated in monthly format in Rule 2 that includes taxes, return and depreciation and is applied to the Net Revenue to determine PG&E's investment in distribution facilities.

DISTRIBUTION LINE EXTENSION: New distribution facilities of PG&E that is a continuation of, or branch from, the nearest available existing permanent Distribution Line (including any facility rearrangements and relocations necessary to accommodate the extension) to the point of connection of the last service. PG&E's Line Extension includes transmission underbuilds and converting an existing single-phase line to three-phase in order to furnish three-phase service to an Applicant, but excludes transformers, meters and services.

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San Francisco, California

Cal. P.U.C. Sheet No.
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Sheet 20

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San Francisco, California

Cal. P.U.C. Sheet No.
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Sheet 21

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ELECTRIC RULE NO. 15
DISTRIBUTION LINE EXTENSIONS

Sheet 22

J. DEFINITIONS FOR RULE 15 (Cont'd.)

SCENIC AREAS: An area such as a scenic highway, a state or national park or other area determined by a governmental agency to be of unusual scenic interest to the general public. Scenic highways are officially designated under the California Scenic Highway Program established pursuant to Paragraph 320 of the Public Utilities Code and applicable sections of the Streets and Highway Code. State or national parks or other areas of unusual scenic interest to the general public are determined by the appropriate governmental agency. "In proximity to" shall mean within 1,000 feet from each edge of the right-of-way of designated scenic highways and from the boundaries of designated parks and scenic areas. "Visible from" shall mean that overhead distribution facilities could be seen by motorists or pedestrians traveling along scenic highways or visiting parks or scenic areas.

SEASONAL SERVICE: Electric Service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's electric facilities. This includes, but is not limited to, such things as splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

TRENCHING: See Excavation.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 1

APPLICABILITY: This rule is applicable to both (1) PG&E Service Facilities* that extend from PG&E's Distribution Line facilities to the Service Delivery Point, and (2) service related equipment required of Applicant on Applicant's Premises to receive electric service.

A. GENERAL

1. DESIGN. PG&E will be responsible for planning, designing, and engineering its Service Extensions using PG&E's standards for design, materials and construction. Applicants may elect to use the Applicant Design Option provisions in Rule 15 to design that portion of the new Service Extension normally designed by PG&E.

2. CONSTRUCTION AND DESIGN SPECIFICATIONS, STANDARDS, TERMS, AND CONDITIONS OF A NEW EXTENSION OF SERVICE PROJECT.

a. In compliance with Section 783 of the Public Utilities Code, PG&E will apply only those construction and design specifications, standards, terms, and conditions that are applicable to a new extension of service project for the 18 months following the date the application for a new extension of service project is approved.

b. PG&E may adopt modifications to those construction and design specifications, standards, terms, and conditions applicable to a new extension-of-service project only in accordance with any of the following:

1) An order or decision of the California Public Utilities Commission (CPUC) or any other state or federal agency with jurisdiction.

2) A work order issued by PG&E to implement construction or design changes necessitated by a customer-driven scope of work modification.

3) A material-related design change identified by PG&E to remedy a construction material defect that could pose a risk to public safety.

a-c. Approval date of a new extension of service application refers to the earlier of either the effective date of the contract for the extension of electric service or the date when PG&E first invoices the customer for the extension of electric service. "Invoice" to mean when PG&E presents an offer to the customer for the extension of service in response to an application for an extension of service submitted pursuant to the regulations of the CPUC and applicable specifications of PG&E.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 2

A. GENERAL (Cont'd.)

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| <u>23.</u> | SERVICE FACILITIES. PG&E's Service Facilities shall consist of (a) primary or secondary underground or overhead service conductors, (b) poles to support overhead service conductors, (c) service transformers, (d) PG&E-owned metering equipment, and (e) other PG&E-owned service related equipment. | (T)
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| <u>34.</u> | OWNERSHIP OF FACILITIES. Service Facilities installed under the provisions of this rule shall be owned, operated, and maintained by PG&E if they are (a) located in the street, road or Franchise Area of PG&E, (b) installed by PG&E under section D.2 below on Applicant's Premises for the purpose of the delivery of electric energy to Applicant, or (c) installed by Applicant under the provisions of this rule, and conveyed to PG&E. | (T)/(L)
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| <u>45.</u> | PRIVATE LINES. PG&E shall not be required to connect Service Facilities to or serve any Applicant from electric facilities that are not owned, operated, and maintained by PG&E. | (T)/(L)
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| <u>56.</u> | SPECIAL OR ADDED FACILITIES. Any special or added facilities PG&E installs at the request of Applicant, will be installed at Applicant's expense in accordance with Rule 2—Description of Service. | (T)/(L)
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| <u>67.</u> | TEMPORARY SERVICE FACILITIES. Service Facilities installed for temporary service or for operations of speculative character or questionable permanency shall be made in accordance with the fundamental installation and ownership provisions of this rule, except that all charges and refunds shall be made under the provisions of Rule 13—Temporary Service. | (T)/(L)
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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 3

A. GENERAL (Cont'd.)

~~78~~. STREET LIGHTS. Street light services and appurtenant facilities shall be installed in accordance with the service provisions of the applicable street light schedule.

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~~89~~. CONTRACTS. Each Applicant requesting service may be required to execute a written contract(s) prior to PG&E performing its work to establish service. Such contract(s) shall be in the form on file with the California Public Utilities Commission (Commission).

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~~910~~. DISTRIBUTION LINE EXTENSIONS. Whenever PG&E's distribution system is not complete to the point designated by PG&E where the Service Extension is to be connected to PG&E's distribution system, the extension of Distribution Line facilities will be installed in accordance with Rule 15—Distribution Line Extensions.

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~~1011~~. RIGHTS-OF-WAY. Rights-of-way or easements maybe required by PG&E to install Service Facilities on Applicant's property to serve only Applicant.

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a. SERVICE FACILITIES. If the Service Facilities must cross property owned by a third party to serve Applicant, PG&E may, at its option, install such Service Facilities after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E; or

b. DISTRIBUTION LINE EXTENSIONS. If PG&E's facilities installed on Applicant's property, or third-party property, will be or are designed to serve adjacent property, then PG&E may, at its option, install its facilities under Rule 15, after appropriate rights-of-way or easements, satisfactory to PG&E, are obtained without cost to PG&E.

c. CLEARANCES. Any necessary rights-of-way or easements for PG&E's facilities shall have provisions to maintain legal clearances from adjacent structures.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 4

A. GENERAL (Cont'd.)

~~4112~~. ACCESS TO APPLICANT'S PREMISES. PG&E shall at all times have the right to enter and leave Applicant's Premises for any purpose connected with the furnishing of electric service (meter reading, inspection, testing, routine repairs, replacement, maintenance, vegetation management, emergency work, etc.) and the exercise of any and all rights secured to it by law, or under PG&E's tariff schedules. These rights include, but are not limited to,

- a. The use of a PG&E-approved locking device, if Applicant desires to prevent unauthorized access to PG&E's facilities;
- b. Safe and ready access for PG&E personnel free from unrestrained animals;
- c. Unobstructed ready access for PG&E's vehicles and equipment to install, remove, repair, or maintain its facilities; and
- d. Removal of any and all of its property installed on Applicant's Premises after the termination of service.

~~4213~~. SERVICE CONNECTIONS. Only personnel duly authorized by PG&E are allowed to connect or disconnect service conductors to or from PG&E's Distribution Lines, remove PG&E-owned service facilities and equipment, or perform any work upon PG&E-owned existing facilities.

B. METERING FACILITIES

1. GENERAL

- a. METER ALL USAGE. Delivery of all electric power and energy will be metered, unless otherwise provided for by PG&E's tariff schedules or by other applicable laws.
- b. METER LOCATION. All meters and associated metering equipment shall be located at some protected location on Applicant's Premises as approved by PG&E.
- c. Meter ownership—If the customer elects direct access service, see Rule 22 for meter ownership option.

(Continued)



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Sheet 5

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 6

B. METERING FACILITIES (Cont'd.)

3. MULTIPLE OCCUPANCY (Cont'd.)

- b. **NON-RESIDENTIAL.** For revenue billing electric service shall be individually metered to each tenant in a non-residential building or group of buildings or other development on a single Premises with multiple tenants or enterprises (such as, but not limited to, an office building or shopping center complex). Alternative metering arrangements as determined by PG&E may be allowed only as specified in Rule 18 and applicable rate schedules.

C. SERVICE EXTENSIONS

1. GENERAL LOCATION. The location of the Service Extension facilities shall extend:

- a. **FRANCHISE AREA.** From the point of connection at the Distribution Line to Applicant's nearest property line abutting upon any street, highway, road, or right-of-way, along which it already has, or will install distribution facilities; and,
- b. **PRIVATE PROPERTY.** On private property, along the shortest, most practical and available route (clear of obstructions) as necessary to reach a Service Delivery Point designated by PG&E.

2. NUMBER OF SERVICE EXTENSIONS. PG&E will not normally provide more than one Service Extension, including associated facilities, either overhead or underground for any one building or group of buildings, for a single enterprise on a single Premises, except:

- a. **TARIFF SCHEDULES.** Where otherwise allowed or required under PG&E's tariff schedules; or,
- b. **PG&E CONVENIENCE.** At the option of and as determined by PG&E, for its operating convenience, consistent with its engineering design for different voltage and phase classification, or when replacing an existing service; or,

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 7

C. SERVICE LATERAL FACILITIES (Cont'd.)

2. NUMBER OF SERVICE LATERALS (Cont'd.)

- c. ORDINANCE. Where required by ordinance or other applicable law, for such things as fire pumps, fire alarm systems, etc.
- d. OTHER. PG&E may charge for additional services provided under this paragraph, as special or added facilities.

3. UNDERGROUND INSTALLATIONS. Underground Service Extensions will be installed:

- a. UNDERGROUND REQUIRED. Underground Service Extensions (1) shall be installed where required to comply with applicable tariff schedules, laws, ordinances, or similar requirements of governmental authorities having jurisdiction, and (2) may be necessary as determined by PG&E where Applicant's load requires a separate transformer installation of 75 kVa or greater.
- b. UNDERGROUND OPTIONAL. An underground Service Extension may be installed in an area where it is not otherwise required and when requested by Applicant and agreed upon by PG&E.
- c. Beginning March 1, 2020, PG&E will no longer accept requests under the Special Facilities provision of Rule 2, Section I, for underground distribution systems that call for specified pieces of electrical equipment to be installed in below-ground structures in circumstances where it is technically feasible to install the equipment above ground. Such requests will no longer be accepted for situations indicated in C.3.c.i, C.3.c.ii, and with certain exceptions C.3.c.iii, below. However, all requests which call for below ground installations that are received by PG&E prior to March 1, 2020 will be "grandfathered" and not subject to the provisions of this Rule section. These grandfathered requests must be approved by PG&E for construction by June 1, 2020 and installed by June 1, 2021.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 8

C. SERVICE LATERAL FACILITIES (Cont'd.)

3. UNDERGROUND INSTALLATIONS. Underground Service Extensions will be installed:

c. (cont'd)

- i. New construction on any property except public property and public rights-of-way;
- ii. Circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities on any property except public property and public rights of way resulting in a change of use or occupancy as defined in state or local law;
- iii. Except for situations on a case-by-case basis in which the local authority and PG&E agree to locate Equipment above ground because the above-ground location is technically feasible for the installation.

For purposes of this provision, specified pieces of equipment include all primary voltage from 4 kV to 35 kV electrical distribution system equipment (Equipment), including, but not limited to, transformers, switches and fuses, capacitors, and junction bars.

"Technically feasible" means that enough space is, or can be made, available above ground for the electrical distribution Equipment needed for PG&E to serve customers and that other requirements, such as obtaining the required permits, are met. The required space is defined by existing design standards within the operation and maintenance requirements that are in compliance with applicable safety codes and regulations such as CPUC General Order 128.

Where PG&E has existing primary voltage distribution equipment installed in below ground structures, the equipment will continue to be operated and maintained below ground. However, in accordance with Section C.3.c.iii., above, where existing below-ground Equipment must be modified by PG&E, above-ground retrofits shall only occur in circumstances in which capacity upgrades, conversions, and relocations are required due to customer-driven renovations of existing structures or other building activities resulting in a change of use or occupancy as defined in state or local law; or when agreed to by the local authority and PG&E on a case-by-case basis.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 9

C. SERVICE LATERAL FACILITIES (Cont'd.)

3. UNDERGROUND INSTALLATIONS (cont'd)

d. (cont'd)

Design and installation of any above-ground Equipment shall comply with the typical installations depicted in PG&E's Electric Design Manual, as well as land use laws, including local ordinances respecting matters of public health, safety and convenience, that are of general applicability to above-ground utility structures regardless of ownership, to the extent the same would not directly or effectively require the Equipment to be located underground.

When modifying existing Equipment installed in the above-ground public rights-of-way, PG&E shall comply with local ordinances respecting matters of public health and safety and convenience, to the extent that the same are of general applicability to other utility and public works structures or equipment, regardless of ownership, installed in the public rights-of-way do not directly or effectively require the Equipment to be located underground, or otherwise conflict with the design standards contained in PG&E's Electric Design Manual and similar documents.

4. OVERHEAD INSTALLATIONS. Overhead Service Extensions are permitted except under the circumstances specified in section C.3.a above.

5. UNUSUAL SITE CONDITIONS. In cases where Applicant's building is located a considerable distance from the available Distribution Line or where there is an obstruction or other deterrent obstacle or hazard such as plowed land, ditches, or inaccessible security areas between PG&E's Distribution Line and Applicant's building or facility to be served that would prevent PG&E from prudently installing, owning, and maintaining its Service Facilities, PG&E may at its discretion, waive the normal Service Delivery Point location. In such cases, the Service Delivery Point will be at such other location on Applicant's property as may be mutually agreed upon; or, alternatively, the Service Delivery Point may be located at or near Applicant's property line as close as practical to the available Distribution Line.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 10

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS

1. **APPLICANT RESPONSIBILITY.** In accordance with PG&E's design, specifications, and requirements for the installation of Service Extensions, subject to PG&E's inspection and approval, Applicant is responsible for:
 - a. **SERVICE LATERAL FACILITIES.**
 - 1) **CLEAR ROUTE.** Providing (or paying for) a route on any private property that is clear of obstructions which would inhibit the construction of either underground or overhead Service Extensions.
 - 2) **EXCAVATION.** All necessary trenching, backfilling, and other digging as required including permit fees.
 - 3) **CONDUIT AND SUBSTRUCTURES.**
 - a) Furnishing, installing, owning, and maintaining all Conduits (including pull wires) and Substructures on Applicant's Premises.
 - b) Installing (or paying for) any Conduits and Substructures in PG&E's Franchise Area (or rights-of-way, if applicable) as necessary to install the Service Extension.
 - c) Conveying ownership to PG&E upon its acceptance of those Conduits and Substructures not on Applicant's Premises.
 - 4) **PROTECTIVE STRUCTURES.** Furnishing, installing, owning, and maintaining all necessary Protective Structures as specified by PG&E for PG&E's facilities on Applicant's Premises.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 11

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

b. **APPLICANT'S FACILITY DESIGN AND OPERATION.** Applicant shall be solely responsible to plan, design, install, own, maintain, and operate facilities and equipment beyond the Service Delivery Point (except for PG&E-owned metering facilities) in order to properly receive and utilize the type of electric service available from PG&E. Refer to Rule 2 for a description, among other things, of:

- 1) Available service delivery voltages and the technical requirements and conditions to qualify for them,
- 2) Customer utilization voltages,
- 3) Load balancing requirements,
- 4) Requirements for installing electrical protective devices,
- 5) Loads that may cause service interference to others, and
- 6) Motor starting limitations.

c. **REQUIRED SERVICE EQUIPMENT.** Applicant shall, at its sole liability, risk, and expense, be responsible to furnish, install, own, maintain, inspect, and keep in good and safe condition, all facilities of any kind or character on Applicant's Premises that are not the responsibility of PG&E but are required by PG&E for Applicant to receive service. Such facilities shall include but are not limited to the overhead or underground termination equipment, Conduits, service entrance conductors from the Service Delivery Point to the location of PG&E's metering facilities, connectors, meter sockets, meter and instrument transformer housing, service switches, circuit breakers, fuses, relays, wireways, metered conductors, machinery and apparatus of any kind or character. Detailed information on PG&E's service equipment requirements will be furnished by PG&E.

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SERVICE EXTENSIONS**

Sheet 12

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

- d. **COORDINATION OF ELECTRICAL PROTECTIVE DEVICES.** When, as determined by PG&E, Applicant's load is of sufficient size as to require coordination of response time characteristics between Applicant's electrical protective devices (circuit breakers, fuses, relays, etc.) and those of PG&E, it shall be Applicant's responsibility to provide such coordination in accordance with Rule 2.
- e. **LIABILITY.** PG&E shall incur no liability whatsoever, for any damage, loss or injury occasioned by:
 - 1) Applicant-owned equipment or Applicant's transmission and delivery of energy; or,
 - 2) The negligence, omission of proper protective devices, want of proper care, or wrongful act of Applicant, or any agents, employees, or licensees of Applicant, on the part of Applicant in installing, maintaining, using, operating, or interfering with any such conductors, lines, machinery, or apparatus.
- f. **FACILITY TAMPERING.** Applicant shall provide a suitable means acceptable to PG&E for placing its seals on meter rings and covers of service enclosures and instrument transformer enclosures which protect unmetered energized conductors installed by Applicant. All PG&E-owned meters and enclosure covers will be sealed only by PG&E's authorized employees and such seals shall be broken only by PG&E's authorized employees. However, in an emergency, PG&E may allow a public authority or other appropriate party to break the seal. Any unauthorized tampering with PG&E-owned seals or connection of Applicant-owned facilities to unmetered conductors at any time is prohibited and is subject to the provisions of Rule 11—Discontinuance and Restoration of Service for unauthorized use.

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SERVICE EXTENSIONS**

Sheet 13

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

- g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES. Transformer installations on Applicant's Premises shall be as specified by PG&E and in accordance with the following applicable provisions:
- 1) SPACE FOR TRANSFORMERS. Applicant shall provide space on Applicant's Premises at a location approved by PG&E for a standard transformer installation including any necessary switches, capacitors, and electric protective equipment where required if (a) in an overhead area, PG&E determines that the load to be served is such that a separate transformer installation, or (b) if PG&E determines that the installation of a padmounted or subsurface transformer of any size is required on Applicant's Premises to serve only Applicant.
 - 2) PADMOUNTED EQUIPMENT. In PG&E's standard installation, Applicant shall furnish, install, own, and maintain, at its expense, Substructures and any required Protective Structures as specified by PG&E for the proper installation of the transformer, switches, capacitors, etc. as determined by PG&E.
 - 3) SINGLE UTILITY-OWNED CUSTOMER SUBSTATION. When PG&E elects for its operating convenience to supply Applicant from a transmission line and install a PG&E-owned substation on Applicant's Premises, Applicant shall furnish, install, own and maintain at its expense the necessary site improvements as specified by PG&E for the proper installation of the transformer. Such improvements shall include but are not limited to a concrete pad or foundation, grounding system, fences and gates, access road, grading, and paving as required, etc. Detailed information on PG&E's requirements for a single customer substation will be furnished by PG&E.

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SERVICE EXTENSIONS**

Sheet 14

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES (Cont'd.)

- 4) TRANSFORMER ROOM OR VAULT. Where Applicant requests and PG&E approves the installation of the transformer(s) in a vault or room on Applicant's Premises, rather than PG&E's standard padmounted installation,
- a) The room or vault on Applicant's Premises shall be furnished, installed, owned, and maintained by Applicant and shall meet PG&E's specifications for such things as access, ventilation, drainage, grounding system, etc.
 - b) If space cannot be provided on Applicant's Premises for the installation of a transformer on either a pad or in a room or vault, a vault will be installed at Applicant's expense in the street near the property line. It shall be Applicant's responsibility to install (or pay for) such vault if not restricted by governmental authority having jurisdiction and Applicant shall convey ownership of the vault to PG&E upon its acceptance. The additional facilities shall be treated as special or added facilities under the provisions of Rule 2.
 - c) If PG&E's installed cost for the transformer in the room or vault is more costly than the standard padmounted transformer installation, the additional costs shall be paid by Applicant as special or added facilities.

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SERVICE EXTENSIONS**

Sheet 15

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

g. TRANSFORMER INSTALLATIONS ON APPLICANT'S PREMISES (Cont'd.)

5) TRANSFORMER LIFTING REQUIREMENTS. Where PG&E has installed or agrees to install, transformers at locations where PG&E cannot use its standard transformer lifting equipment and special lifting facilities are required to install or remove the transformers on Applicant's Premises, Applicant shall, at its expense, (a) furnish, install, own, and maintain permanent lifting facilities and be responsible for lifting the transformer to and from its permanent position, or (b) provide (or pay for) portable lifting facilities acceptable to PG&E for installing or removing the transformers. Rights-of-way and space provisions shall be provided by Applicant such that access and required clearances from adjacent structures can be maintained. PG&E may require a separate contract for transformer lifting requirements.

6) OVERHEAD TRANSFORMERS. In remote areas or in areas not zoned for residential or commercial use or for underground services, padmounted transformers are preferred for installation on Applicant's Premises however, where PG&E determines that it is not practical to install a transformer on a pad, in a room or vault, PG&E may furnish a pole-type structure for an installation not exceeding 500 kVA.

h. BUILDING CODE REQUIREMENTS. Any service equipment and other related equipment owned by Applicant, as well as any vault, room, enclosure, or lifting facilities for the installation of transformers shall conform with applicable laws, codes, and ordinances of all governmental authorities having jurisdiction.

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SERVICE EXTENSIONS**

Sheet 16

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

1. APPLICANT RESPONSIBILITY (Cont'd.)

- i. REASONABLE CARE. Applicant shall exercise reasonable care to prevent PG&E's Service Extensions, other PG&E facilities, and meters owned by PG&E or others, on the Applicant's Premises from being damaged or destroyed, and shall refrain from interfering with PG&E's operation of the facilities and shall notify PG&E of any obvious defect. Applicant may be required to provide and install suitable mechanical protection (barrier posts, etc.) as required by PG&E.

2. PG&E RESPONSIBILITY

- a. SERVICE, METER, AND TRANSFORMER. PG&E will furnish, install, own, and maintain the following Service Facilities as applicable after Applicant meets all requirements to receive service:
- 1) UNDERGROUND SERVICE. A set of service conductors to supply permanent service from the Distribution Line source to the Service Delivery Point approved by PG&E.
 - 2) RISER MATERIALS. Any necessary pole riser material for connecting underground services to an overhead Distribution Line.
 - 3) OVERHEAD SERVICE. A set of overhead service conductors and support poles to supply permanent service from a Distribution Line source to a suitable support at the Service Delivery Point approved by PG&E. Such support shall be of a type and located such that service wires may be installed in accordance with good engineering practice and in compliance with all applicable laws, ordinances, rules, and regulations including those governing clearances and points of attachment.

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SERVICE EXTENSIONS**

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D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

2. PG&E RESPONSIBILITY (Cont'd.)

a. SERVICE, METER, AND TRANSFORMER (Cont'd.)

4) **METERING.** When the meter is owned by PG&E, PG&E will be responsible for the necessary instrument transformers where required, test facilities, meters, associated metering equipment, and the metering enclosures when PG&E elects to locate metering equipment at a point that is not accessible to Applicant.

5) **TRANSFORMER.** The transformer where required, including any necessary switches, capacitors, electrical protective equipment, etc. When either a padmounted or overhead transformer is installed on Applicant's Premises, the Service Extension shall include the primary conductors from the connection point at the distribution supply line to the transformer and the secondary conductors, if any, from the transformer to the Service Delivery Point.

b. **SPECIAL CONDUIT INSTALLATIONS.** PG&E shall own and maintain service conduits only if: (1) they are located in the same trench with distribution facilities, and (2) when it is necessary to locate Conduits on property other than that owned by Applicant, as determined by PG&E, or as may be required by local authorities.

c. **CABLE-IN-CONDUIT.** In those cases where PG&E elects to install its service conductors using pre-assembled cable-in-conduit (CIC), the conduit portion will be considered a part of the conductor installation provided by PG&E.

d. **GOVERNMENT INSPECTION.** PG&E will establish electric service to Applicant following notice from the governmental authority having jurisdiction that the Applicant-owned facilities have been installed and inspected in accordance with any applicable laws, codes, ordinances, rules, or regulations, and are safe to energize.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 18

D. RESPONSIBILITIES FOR NEW SERVICE EXTENSIONS (Cont'd.)

3. INSTALLATION OPTIONS

- a. **PG&E-PERFORMED WORK.** Where requested by Applicant and mutually agreed upon, PG&E may perform that portion of the new Service Extension work normally the responsibility of Applicant according to Section D.1 above provided Applicant pays PG&E its estimated installed cost.
- b. **APPLICANT-PERFORMED WORK.** Applicant may elect to use competitive bidding to install that portion of the new Service Extensions normally installed and owned by PG&E in accordance with the same provisions outlined in Rule 15.

E. ALLOWANCES AND PAYMENTS BY APPLICANT

1. **RESIDENTIAL ALLOWANCES.** The allowance for Distribution Line Extensions, Service Extensions, or a combination thereof, for Permanent Residential Service is determined by PG&E in accordance with the provisions of Rule 15, Section C. The allowance will first be applied to the Service Facilities. Any excess allowance will be applied to the Distribution Line Extension, to which the service is connected in accordance with Rule 15.
2. **NON-RESIDENTIAL ALLOWANCES.** For non-residential Service Extension Applicants, the value of such items as conductors, service transformers, PG&E-owned metering equipment, (but not including such items as listed in Section D) will be treated in accordance with the allowance and refund provisions of Rule 15.
3. **SEASONAL, INTERMITTENT, EMERGENCY, AND INSIGNIFICANT LOADS.** When Applicant requests service that requires an extension to serve loads that are seasonal or intermittent, the allowance for such loads shall be determined by using the formula in Section C of Rule 15. No allowance will be provided where service is used only for emergency purposes or for Insignificant Loads.
4. **PAYMENTS.** Applicant is responsible to pay PG&E the following non-refundable costs as applicable under this rule and in advance of PG&E commencing its work:
 - a. **POLE RISER.** PG&E's estimated installed costs of any riser materials on its poles.
 - b. **EXCESS SERVICE.** PG&E's total estimated installed cost (including appurtenant facilities, such as connectors, service conductor, service transformers, metering equipment, and the conduit portion of CIC cable) in excess of the allowance.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 19

E. ALLOWANCES AND PAYMENTS BY APPLICANT (Cont'd.)

4. PAYMENTS (Cont'd.)

- c. **TAX.** Any payments or contribution of facilities by Applicant are taxable Contributions in Aid of Construction (CIAC) and shall include an Income Tax Component of Contribution (ITCC) for state and federal tax at the rate provided in PG&E's Preliminary Statement.
- d. **OTHER.** PG&E's total estimated installed cost for any work it performs that is Applicant's responsibility or performs for the convenience of Applicant.

- 5. **REFUNDS.** No refunds apply to the installation of Residential Service Facilities under this Rule.

F. EXISTING SERVICE FACILITIES

1. SERVICE REINFORCEMENT

- a. **PG&E-OWNED.** When PG&E determines that its existing Service Facilities require replacement, the existing Service Facilities shall be replaced as a new Service Extension under the provisions of this rule.
- b. **APPLICANT-OWNED.** When PG&E determines that existing Applicant-owned service facilities (installed under a prior rule) require replacement, such replacement or reinforcement shall be accomplished under the provisions for a new Service Extension installation, except that if PG&E determines that any portion of Applicant's existing service conductors can be utilized by PG&E, Applicant will convey any such usable part to PG&E and an appropriate credit by PG&E may be allowed to Applicant.

Applicant will replace or reinforce that portion of the Service Extension which Applicant will continue to own, under the provisions of this rule for new services.

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**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

Sheet 20

F. EXISTING SERVICE FACILITIES (Cont'd.)

2. SERVICE RELOCATION OR REARRANGEMENT

- a. PG&E CONVENIENCE. When, in the judgement of PG&E, the relocation or rearrangement of a service, including PG&E-owned transformers, is necessary for the maintenance of adequate service or for the operating convenience of PG&E, PG&E normally will perform such work at its own expense, except as provided Sections F.2.b. and F.5.
- b. APPLICANT CONVENIENCE. Any relocation or rearrangement of PG&E's existing Service Facilities at the request of Applicant (aesthetics, building additions, remodeling, etc.) and agreed upon by PG&E shall be performed in accordance with Section D above except that Applicant shall pay PG&E its total estimated costs.

In all instances, PG&E shall abandon or remove its existing facilities at the option of PG&E rendered idle by the relocation or rearrangement.

3. IMPAIRED ACCESS AND CLEARANCES. Whenever PG&E determines that:

- a. ACCESS. Its existing Service Facilities have become inaccessible for inspecting, operating, maintenance, meter reading, or testing; or,
- b. CLEARANCES. A hazardous condition exists or any of the required clearances between the existing Service Facilities and any object becomes impaired under any applicable laws, ordinances, rules, or regulations of PG&E or public authorities, then the following applies:

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Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

November 19, 2020



**ELECTRIC RULE NO. 16
SERVICE EXTENSIONS**

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F. EXISTING SERVICE FACILITIES (Cont'd.)

3. IMPAIRED ACCESS AND CLEARANCES (Cont'd.)

- c. **CORRECTIVE ACTION.** Applicant or owner shall, at Applicant's or owner's expense, either correct the access or clearance infractions or pay PG&E its total estimated cost to relocate its facilities to a new location which is acceptable to PG&E. Applicant or owner shall also be responsible for the expense to relocate any equipment which Applicant owns and maintains. Failure to comply with corrective measures within a reasonable time may result in discontinuance of service.

4. OVERHEAD TO UNDERGROUND SERVICE CONVERSIONS

- a. **RULE 20.** Where an existing overhead Distribution Line is replaced by an underground distribution system in accordance with Rule 20--Replacement of Overhead With Underground Electric Facilities, new underground services will be installed under Rule 16.
- b. **APPLICANT'S CONVENIENCE.** Where overhead services are replaced by underground services for Applicant's convenience, Applicant shall perform all Excavation, furnish and install all Substructures, and pay PG&E its total estimated installed cost to complete the new service and remove the overhead facilities.
5. **DAMAGED FACILITIES.** When PG&E's facilities are damaged by others, the repair will be made by PG&E at the expense of the party responsible for the damage. Applicants are responsible for repairing their own facilities.

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Sheet 22

F. EXISTING SERVICE FACILITIES (Cont'd.)

6. SUBDIVISION OF PREMISES. When PG&E's Service Facilities are located on private property and such private property is subsequently subdivided into separate Premises with ownership divested to other than Applicant or customer, the subdivider is required to provide PG&E with adequate rights-of-way satisfactory to PG&E for its existing facilities and to notify property owners of the subdivided Premises of the existence of the rights-of-way.

When adequate rights-of-way are not granted as a result of the property subdivision, PG&E shall have the right, upon written notice to Applicant, to discontinue service without obligation or liability. The existing owner, Applicant, or customer shall pay to PG&E the total estimated cost of any required relocation or removal of PG&E's facilities. A new electric service will be re-established in accordance with the provisions of Section D above for new service and the provisions of any other applicable PG&E rules.

G. EXCEPTIONAL CASES

When the application of this rule appears impractical or unjust to either party, or ratepayers, PG&E or Applicant may refer the matter to the Commission for a special ruling or for approval of special conditions which may be mutually agreed upon.

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ELECTRIC RULE NO. 16
SERVICE EXTENSIONS

Sheet 23

H. DEFINITIONS FOR RULE 16

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

CONDUIT: Ducts, pipes, or tubes of certain metals, plastics or other materials acceptable to PG&E (including pull wires and concrete encasement where required) for the installation and protection of electric wires and cables.

DISTRIBUTION LINES: PG&E's overhead and underground facilities which are operated at distribution voltages as set forth in PG&E's Rule 2 and which are designed to supply two or more services.

EXCAVATION: All necessary trenching, backfilling, and other digging as required to install Service Extensions including furnishing of any imported backfill material, concrete encasement to protect conduit, and disposal of spoil, as required, surface repair and replacement, landscape repair and replacement.

FRANCHISE AREA: Public streets, roads, highways, and other public ways and places where PG&E has a legal right to occupy under franchise agreements with governmental bodies having jurisdiction.

INSIGNIFICANT LOADS: Small operating loads, such as gate openers, valve controls, clocks, timing devices, fire protection equipment, alarm devices, etc.

INTERMITTENT LOADS: Loads which, in the opinion of PG&E, are subject to discontinuance for a time or at intervals.

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ELECTRIC RULE NO. 16
SERVICE EXTENSIONS

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H. DEFINITIONS FOR RULE 16 (Cont'd.)

PREMISES: All of the real property and apparatus employed in a single enterprise on an integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highway or public thoroughfare or a railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the Premises served.

PROTECTIVE STRUCTURES: Fences, retaining walls (in lieu of grading), sound barriers, posts, barricades and other structures as required by PG&E.

SEASONAL SERVICE: Electric service to establishments which are occupied seasonally or intermittently, such as seasonal resorts, cottages, or other part-time establishments.

SERVICE DELIVERY POINT: Where PG&E's Service Facilities are connected to either Applicant's conductors or other service termination facility designated and approved by PG&E.

SERVICE EXTENSIONS: The overhead and underground primary or secondary facilities (including but not limited to PG&E-owned Service Facilities and Applicant-owned service facilities) extending from the point of connection at the Distribution Line to the Service Delivery Point. When an underground Service Extension is supplied from a PG&E-designated overhead pole, the beginning point of connection to PG&E's Distribution Line shall be where the Service Extension is connected to PG&E's overhead Distribution Line conductors.

SUBSTRUCTURES: The surface and subsurface structures which are necessary to contain or support PG&E's electric facilities. This includes, but is not limited to, splice boxes, pull boxes, equipment vaults and enclosures, foundations or pads for surface-mounted equipment.

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**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	
	Ellison Schneider & Harris LLP	Redwood Coast Energy Authority
Alta Power Group, LLC	Energy Management Service	Regulatory & Cogeneration Service, Inc.
Anderson & Poole	Engineers and Scientists of California	SCD Energy Solutions
		San Diego Gas & Electric Company
Atlas ReFuel		
BART	GenOn Energy, Inc.	SPURR
	Goodin, MacBride, Squeri, Schlotz & Ritchie	San Francisco Water Power and Sewer
Barkovich & Yap, Inc.	Green Power Institute	Sempra Utilities
California Cotton Ginners & Growers Assn	Hanna & Morton	
California Energy Commission	ICF	Sierra Telephone Company, Inc.
	IGS Energy	Southern California Edison Company
California Hub for Energy Efficiency	International Power Technology	Southern California Gas Company
Financing	Intestate Gas Services, Inc.	Spark Energy
	Kelly Group	Sun Light & Power
California Alternative Energy and	Ken Bohn Consulting	Sunshine Design
Advanced Transportation Financing	Keyes & Fox LLP	Tecogen, Inc.
Authority	Leviton Manufacturing Co., Inc.	TerraVerde Renewable Partners
California Public Utilities Commission		Tiger Natural Gas, Inc.
Calpine		
	Los Angeles County Integrated	TransCanada
Cameron-Daniel, P.C.	Waste Management Task Force	Utility Cost Management
Casner, Steve	MRW & Associates	Utility Power Solutions
Cenergy Power	Manatt Phelps Phillips	Water and Energy Consulting Wellhead
Center for Biological Diversity	Marin Energy Authority	Electric Company
	McKenzie & Associates	Western Manufactured Housing
		Communities Association (WMA)
Chevron Pipeline and Power	Modesto Irrigation District	Yep Energy
City of Palo Alto	NLine Energy, Inc.	
	NRG Solar	
City of San Jose		
Clean Power Research	Office of Ratepayer Advocates	
Coast Economic Consulting	OnGrid Solar	
Commercial Energy	Pacific Gas and Electric Company	
Crossborder Energy	Peninsula Clean Energy	
Crown Road Energy, LLC		
Davis Wright Tremaine LLP		
Day Carter Murphy		
Dept of General Services		
Don Pickett & Associates, Inc.		
Douglass & Liddell		