



September 13, 2024

Advice 4971-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

Subject: Revision to Gas Rule 21 (Transportation of Natural Gas) to update In-Kind Shrinkage Allowances for Backbone Transmission and Distribution Service

Pacific Gas and Electric Company (PG&E) hereby submits revisions to PG&E's Gas Rule 21 — *Transportation of Natural Gas* to update the natural gas in-kind shrinkage allowances for backbone transmission and distribution service pursuant to Decision (D.) 03-12-061. The affected tariff sheets are listed on Attachment 1.

Purpose

In-kind shrinkage allowances collect the lost and unaccounted for gas and the utility fuel use attributable to the volume of natural gas received by PG&E for transmission, distribution and storage service. In D.03-12-061, the California Public Utilities Commission (Commission or CPUC) authorized PG&E to update the in-kind shrinkage allowances annually or as necessary at other times of the year to match the actual shrinkage experienced on PG&E's system. This is reflected in Gas Preliminary Statement Part C — Gas Accounting Terms and Definitions, Part C.12.c., and Gas Rule 21, which state that PG&E may adjust distribution, transmission and storage shrinkage allowances annually or as necessary at other times of the year through advice letter submittals.

PG&E proposes revisions to its existing backbone transmission and distribution in-kind shrinkage allowances to be effective November 1, 2024.

Background

In Advice 4799-G, the Commission adopted PG&E's current transmission and distribution shrinkage base allowances effective November 1, 2023. Based on the latest cumulative shrinkage data and to better match the shrinkage expected on PG&E's system for the next 12 months, PG&E proposes revisions to the transmission and core seasonal distribution shrinkage allowances, effective November 1, 2024. The proposed shrinkage allowances are designed to recover PG&E's shrinkage forecast and to return an over-collected cumulative shrinkage imbalance forecasted. PG&E proposes to amortize the

over-collected cumulative imbalance forecasted volumes over 24-month period. PG&E will monitor actual shrinkage collected to determine if further adjustments are warranted.

Annual Shrinkage Allowance Forecast Update

The proposed shrinkage base allowances are calculated using PG&E's latest forecast of shrinkage on its system and PG&E's 2024-2025 customer demand forecast from the 2024 California Gas Report. In addition, the core distribution in-kind shrinkage allowance, with separate seasonal allowances for winter season (November-March) and summer season (April-October), as adopted in D.11-04-031, are adjusted. The proposed total in-kind shrinkage allowances, and the Base and Adjustment components of each allowance, are shown in the following table:

Proposed Total In-kind Shrinkage Allowance

	Current Effective In-Kind Shrinkage Allowance	Proposed In-Kind Shrinkage Base¹ Allowance	Proposed In-Kind Shrinkage Adjustment² Allowance (Credit)	Proposed Total In-Kind Shrinkage Allowance (Base + Adjustment)	Proposed Total Change
Transmission – Redwood to Off-System	0.9%	0.9%	0.00%	0.9%	0.0%
Transmission – Mission to On/Off-System	0.0%	0.00%	0.00%	0.00%	0.0%
Transmission – All other backbone paths	1.3%	1.1%	-0.1%	1.0%	-0.3%
Distribution – Noncore	0.2%	0.2%	0.00%	0.2%	0.0%
Distribution -Core Summer Season (Apr - Oct)	0.8%	0.6%	-0.1%	0.5%	-0.3%
Distribution – Core Winter Season (Nov- Mar)	3.9%	4.0%	-0.7%	3.3%	-0.6%

¹ The Base Allowance is designed to recover shrinkage forecasted to occur during the effective period of the shrinkage allowances (November 2024 through October 2025).

² The Adjustment Allowance is designed to recover (or return) any cumulative shrinkage imbalance forecasted to exist at the start of the effective period of the shrinkage allowances (November 1, 2024).

Based on the 2024-2025 shrinkage forecast, PG&E estimates that the proposed in-kind shrinkage base allowances, expects to recover the forecasted shrinkage on PG&E's system. PG&E will continue to monitor any cumulative shrinkage imbalance and will adjust the shrinkage allowances through advice letter submittals in the future, as necessary.

This submittal will not affect any other rate or charge, cause the withdrawal of service, or conflict with any other rate schedule or rule. Workpapers supporting the proposed changes are included in Attachment 3 to this submittal.

Tariff Revisions

The revised in-kind shrinkage allowances will be revised in Gas Rule 21, Section B. (Quantities).

- The above revised backbone transmission shrinkage allowance percentages will be reflected in Gas Rule 21, Section B.1.a.
- The above revised distribution shrinkage allowance percentages will be reflected in Gas Rule 21, Section B.1.b.

Protests

Anyone wishing to protest this submittal may do so by letter sent electronically via E-mail, no later than **October 3, 2024**, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
E-mail: EDTariffUnit@cpuc.ca.gov

The protest shall also be electronically sent to PG&E via E-mail at the address shown below on the same date it is electronically delivered to the Commission:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
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 and 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

In order to provide sufficient notice of the shrinkage change to gas transportation customers, PG&E requests that this Tier 2 advice submittal be approved by **October 13, 2024**, which is 30 calendar days after the date of submittal, with the tariffs effective on **November 1, 2024**. PG&E will inform gas transportation customers of the new shrinkage allowances on its Pipe Ranger Web site: <http://www.pge.com/pipeline/> once this submittal is approved.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically to parties shown on the attached list and the parties on the service list for A.21-06-021. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

 /S/

Sidney Bob Dietz II
Director, Regulatory Relations
CPUC Communications

Attachments:

Attachment 1 – Clean Tariffs
Attachment 2 – Redline Tariff Revisions
Attachment 3 – Workpapers

cc: Service List A.21-06-021



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 (U 39 G)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Michael Finnerty
 Phone #: (279) 789-6216
 E-mail: PGETariffs@pge.com
 E-mail Disposition Notice to: michael.finnerty@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) #: 4971-G

Tier Designation: 2

Subject of AL: Revision to Gas Rule 21 (Transportation of Natural Gas) to update In-Kind Shrinkage Allowances for Backbone Transmission and Distribution Service

Keywords (choose from CPUC listing): Compliance, Rule 21

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.03-12-061

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: N/A

Confidential treatment requested? Yes No

If yes, specification of confidential information:

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

Resolution required? Yes No

Requested effective date: 10/13/24

No. of tariff sheets: 4

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

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

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

Tariff schedules affected: 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 correspondence regarding this AL are to be sent via email and are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

California Public Utilities Commission
Energy Division Tariff Unit Email:
EDTariffUnit@cpuc.ca.gov

Contact Name: Sidnev Bob Dietz II. c/o Megan Lawson
Title: Director, Regulatory Relations
Utility/Entity Name: Pacific Gas and Electric Company

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email: PGETariffs@pge.com

Contact Name:
Title:
Utility/Entity Name:

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

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

Clear Form

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
39658-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 2	38117-G
39659-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 3	38834-G
39660-G	GAS TABLE OF CONTENTS Sheet 1	39656-G
39661-G	GAS TABLE OF CONTENTS Sheet 7	39657-G



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 2

B. QUANTITIES OF GAS (Cont'd.)

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

a. Backbone Transmission Shrinkage

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

Path	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Redwood to Off-System	0.9	-	0.9
Mission to On-System	0	-	0
Mission to Off-System	0	-	0
All other transmission	1.1 (R)	-0.1 (R)	1.0 (R) (T)

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

(Continued)

Advice 4971-G
Decision D.03-12-061

Issued by
Shilpa Ramaiya
Vice President
Regulatory Proceedings and Rates

Submitted September 13, 2024
Effective November 1, 2024
Resolution



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 3

B. QUANTITIES OF GAS (Cont'd.)

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

b. Distribution Shrinkage

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

End-Use Customer	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance	
Core – Summer Season (April - October)	0.6 (R)	-0.1 (R)	0.5 (R)	(T)
Core – Winter Season (November – March)	4.0 (I)	-0.7 (R)	3.3 (R)	(T)
Noncore Distribution	0.2	–	0.2	
Noncore Transmission*	–	–	–	

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

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

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

y = decimal equivalent of the Distribution Shrinkage percentage

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

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Sample Forms, Rules	38409, 39226,36188,36189,37392,38639-G	

(Continued)

Advice 4971-G
Decision D.03-12-061

Issued by
Shilpa Ramaiya
Vice President
Regulatory Proceedings and Rates

Submitted September 13, 2024
Effective November 1, 2024
Resolution



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Rule 17	Meter Tests and Adjustment of Bills for Meter Error..... 14450,28656,28764,28770,28771, 28772,28773,28774-G	
Rule 17.1	Adjustment of Bills for Billing Error 22936,28657,29274-G	
Rule 17.2	Adjustment of Bills for Unauthorized Use 22937,14460,14461-G	
Rule 19	Medical Baseline Quantities.....37143,37144,37145-G	
Rule 19.1	California Alternate Rates for Energy for Individual Customers and Submetered Tenants of Master-Metered Customers..... 38578,39390,38580,38581-G	
Rule 19.2	California Alternate Rates for Energy for Nonprofit Group-Living Facilities 38582,39391,38584,38585,38586-G	
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SERVICE AREA MAPS:

Gas Service Area Map 31641-G

LIST OF CONTRACTS AND DEVIATIONS:

..... 20211,13247,13248,28466,17112,22437,29938,31542,13254,14426,13808,35193,
..... 20390,16287,29333,29053,29334,14428,13263,14365,32879, 39655,16264,13267-G

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Attachment 2

Redline Tariff Revisions



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 2

B. QUANTITIES OF GAS (Cont'd.)

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

a. Backbone Transmission Shrinkage

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

Path	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance
Redwood to Off-System	0.9	-	0.9
Mission to On-System	0	-	0
Mission to Off-System	0	-	0
All other transmission	1.13 (R)	-0.1 (R)	1.03 (R) (T)

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

(Continued)



GAS RULE NO. 21
TRANSPORTATION OF GAS

Sheet 3

B. QUANTITIES OF GAS (Cont'd.)

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

b. Distribution Shrinkage

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

End-Use Customer	Percentage of In-Kind Shrinkage Base Allowance	Percentage of In-Kind Shrinkage Adjustment	Percentage of Effective In-Kind Shrinkage Allowance	
Core – Summer Season (April - October)	0.68 (R)	-0.1 (R)	0.58 (R)	(T)
Core – Winter Season (November – March)	4.03-9 (I)	-0.7 (R)	3.39 (R)	(T)
Noncore Distribution	0.2	-	0.2	
Noncore Transmission*	-	-	-	

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

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

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

y = decimal equivalent of the Distribution Shrinkage percentage

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

(Continued)

Attachment 3

Workpapers

PACIFIC GAS AND ELECTRIC COMPANY
Workpaper for In-Kind Shrinkage Allowance Update
Advice 4971-G (effective November 1, 2024)
Shrinkage Base Allowance

	(A)	(B)	(C)	(D)	(E)	(F)	
	<u>Forecast Customer Demand is based on data in the 2024 California Gas Report filed August 1, 2024. Forecast Off-system Demand is based on the three-year actual off-system deliveries through July 2024. LUAF and GDU forecasts are based on the five-year average monthly percentage profile of actual LUAF and GDU (through May 2024 -- latest data available as of August 16, 2024.)</u>						
Line No.		12 Month Forecast	% Served from Distr.	% Served from Trans.	Throughput Served from Trans.	Throughput Served from Distr.	Line No.
		Throughput					
1	Noncore Transmission/Distribution Split	Mdth	Survey Results		Mdth	Mdth	1
2	Industrial	178,432	14.6701%	85.3299%	152,256	26,176	2
3	EG	209,779	0.0000%	100.0000%	209,779	0	3
4	Cogeneration	55,913	17.4400%	82.5600%	46,162	9,751	4
5	Wholesale	3,420	0.0000%	100.0000%	3,420	0	5
6	NGV4	1,456	0.0000%	100.0000%	1,456	0	6
7	Total Noncore (excludes EOR and SEGDA)	449,000			413,072	35,927	7
8	% of Noncore served from Trans. and Distr.				92.00%	8.00%	8
	LUAF per Study (from the Gas Accord I Workpapers, 17-2 & 17-3)						
	Splits LUAF noncore volumes between distribution and transmission based on LUAF Study						
9		NC Total			NC Trans.	NC Distr.	9
10	LUAF (Mcf) - volumes from 1995 BCAP	3,054,276			2,268,089	786,187	10
11	LUAF % (NC Distr Vol/NC Total)				74.26%	25.74%	11
12	Throughput Vol. % - Data from Rate Dept Survey				79.00%	21.00%	12
13	Ratios set for Accord period:						
14	Calculated as Line 11/Line 12				0.94	1.23	14
15	Calculated as (F) line 14/(E) line 14					1.30	15
16	Noncore % of System LUAF (adopted in 95 BCAP)	22.00%					16
	LUAF & GDU Allocations to Transmission and Distribution						
		System Forecast	Core	Noncore	Off-system	NC Trans.	NC Distr.
17	LUAF Calculations: LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%)	11,161	8,485	2,393	283	2,070	235
18	Throughput per forecast (Mdth)	818,040	257,004	475,176	85,860		
19	Less: SEGDA	0		0			
20	Totals for Calculation of allocation	818,040	257,004	475,176	85,860		
21	LUAF as % of throughput (Lines 17/20)	1.364%	3.301%	0.504%	0.330%		
22	Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)					0.501%	
23	Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above)					0.492%	0.653%
24	Off-System LUAF (per D.94-02-042)	0.33%					0.653%
	GDU Calculations:						
25	GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU)	4,748					
26	GDU % = (B) line 24/(B) line 20	0.580%					
	Shrinkage (LUAF+GDU)						
27	Noncore Transmission = (B) line 26 + (E) line 22	1.081%					
28	Noncore Distribution = (B) line 26 + (F) line 23	1.234%					
29	Core Total = (B) line 26 + (C) line 21	3.882%					
30	Core Distribution = (B) line 29 - (B) line 27	2.800%					
31	Off-System Transmission = (B) line 26 + (B) line 24	0.910%					
32	Proposed Pipeline Shrinkage Allowances - Base Allowance Update						
33	Transmission (assumes same % for core and noncore)		1.1%	1.1%	1.1%	0.9%	
34	Distribution		2.8%	N/A	0.2%	N/A	
35	Total		3.9%	1.1%	1.2%	0.9%	

PACIFIC GAS AND ELECTRIC COMPANY
Workpaper for In-Kind Shrinkage Allowance Update
Advice 4971-G (effective November 1, 2024)
Shrinkage Adjustment Allowance

	(A)	(B)	(C)	(D)	(E)	(F)	
<i>Forecast Customer Demand is based on data in the 2024 California Gas Report filed August 1, 2024. Current over-collection of -3891.32 MDth is amortized over 24 months; resulting in forecast annual credit quantity of approximately -2017.2 MDth. The over collection is allocated in the same methodology as LUAF.</i>							
Line No.		12 Month Forecast	% Served from Distr.	% Served from Trans.	Throughput Served from Trans.	Throughput Served from Distr.	Line No.
1	Noncore Transmission/Distribution Split	Mdth	Survey Results		Mdth	Mdth	1
2	Industrial	178,432	14.6701%	85.3299%	152,256	26,176	2
3	EG	209,779	0.0000%	100.0000%	209,779	0	3
4	Cogeneration	55,913	17.4400%	82.5600%	46,162	9,751	4
5	Wholesale	3,420	0.0000%	100.0000%	3,420	0	5
6	NGV4	1,456	0.0000%	100.0000%	1,456	0	6
7	Total Noncore (excludes EOR and SEGDA)	449,000			413,072	35,927	7
8	% of Noncore served from Trans. and Distr.				92.00%	8.00%	8
LUAF per Study (from the Gas Accord I Workpapers, 17-2 & 17-3)							
Splits LUAF noncore volumes between distribution and transmission based on LUAF Study							
9		NCTotal			NC Trans.	NC Distr.	9
10	LUAF (Mcf) - volumes from 1995 BCAP	3,054,276			2,268,089	786,187	10
11	LUAF % (NC Distr Vol/NC Total)				74.26%	25.74%	11
12	Throughput Vol. % - Data from Rate Dept Survey				79.00%	21.00%	12
13	Ratios set for Accord period:						13
14	Calculated as Line 11/Line 12				0.94	1.23	14
15	Calculated as (F) line 14/(E) line 14					1.30	15
16	Noncore % of System LUAF (adopted in 95 BCAP)	22.00%					16
LUAF & GDU Allocations to Transmission and Distribution							
		System Forecast	Core	Noncore	Off-system	NC Trans.	NC Distr.
17	LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%)	(1,945.66)	1,518	428	-	370	42
18	Throughput per forecast (Mdth)	818,040	257,004	475,176	85,860		
19	Less: SEGDA	0		0			
20	Totals for Calculation of allocation	818,040	257,004	475,176	85,860		
21	LUAF as % of throughput (Lines 17/20)	-0.238%	-0.591%	-0.090%	0.000%		
22	Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)					-0.088%	
23	Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above)					-0.090%	-0.115%
24	Off-System LUAF (per D.94-02-042)	0.00%					-0.117%
GDU Calculations:							
GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage							
25	GDU)	-					
26	GDU % = (B) line 24/(B) line 20	0.000%					
Shrinkage (LUAF+GDU)							
27	Noncore Transmission = (B) line 26 + (E) line 22	-0.088%					
28	Noncore Distribution = (B) line 26 + (F) line 23	-0.115%					
29	Core Total = (B) line 26 + (C) line 21	-0.591%					
30	Core Distribution = (B) line 29 - (B) line 27	-0.503%					
31	Off-System Transmission = (B) line 26 + (B) line 24	0.000%					
32	Proposed Pipeline Shrinkage Allowances - Shrinkage Adjustment (Adder)		Core	NC Trans.	NC Dist.	Off-Sys.	
33	Transmission (assumes same % for core and noncore)		-0.1%	-0.1%	-0.1%	0.0%	
34	Distribution		-0.5%	N/A	0.0%	N/A	
35	Total		-0.6%	-0.1%	-0.1%	0.0%	

PACIFIC GAS AND ELECTRIC COMPANY
 Workpaper for Seasonal Core Distribution Shrinkage Allowance
 Advice 4971-G (effective November 1, 2024)

Seasonal Core Distribution Shrinkage Base Allowance		(B)	(C)	
Seasonal Core Distribution Shrinkage Rate Derivation				
<p>The Core distribution forecast is based on the customer demand forecast agreed-upon in the 2024 California Gas Report filed August 1, 2024. The Core Distribution Shrinkage Quantity is calculated by multiplying the Annual Core Distribution Demand Forecast by the Annual Core Distribution Shrinkage Percentage. The Core Distribution Shrinkage Quantity is allocated between the summer and winter seasons in the same percentage as the Total LUAF Forecast.</p>				
Line No.			Line No.	
Core Customer Demand Forecast				
1		Quantity (MDth)	1	
2	Annual core distribution demand	257,004	2	
3	Summer Season (April -- October) Core Distribution Demand	89,164	34.69%	3
4	Winter season (November -- March) Core Distribution Demand	167,840	65.31%	4
Total LUAF Forecast				
5	Annual LUAF Forecast	11,161		5
6	Summer Season (April -- October) LUAF Forecast	1,910	7.11%	6
7	Winter Season (November -- March) LUAF Forecast	9,251	92.89%	7
Core Distribution Shrinkage Quantity				
8	Annual Core Distribution Demand (MDth)	257,004		8
9	Annual Base Core Distribution Shrinkage Percentage	2.800%		9
10	Calculated Base Core Distribution Shrinkage Quantity (MDth)	7,197		10
11	Summer Season Core Distribution Shrinkage Quantity (MDth)	512		11
12	Winter Season Core Distribution Shrinkage Quantity (MDth)	6,685		12
Seasonal Core Distribution Shrinkage Percentages				
13	Summer Season (April -- October)	0.574%		13
14	Winter Season (November -- March)	3.983%		14
Seasonal Core Distribution Shrinkage -- Tariff Percentages				
15	Summer Season (April -- October)	0.6%		15
16	Winter Season (November -- March)	4.0%		16
17	Distribution Shrinkage Seasonal Adjustment (based on historical seasonal split between calculated core at CityGate & Burnertip demands)		10%	17

PACIFIC GAS AND ELECTRIC COMPANY
 Workpaper for Seasonal Core Distribution Shrinkage Allowance
 Advice 4971-G (effective November 1, 2024)

Seasonal Core Distribution Shrinkage Base Allowance		(B)	(C)
Seasonal Core Distribution Shrinkage Rate Derivation			
The Core distribution forecast is based on the customer demand forecast agreed-upon in the 2024 California Gas Report filed August 1, 2024. The Core Distribution Shrinkage Quantity is calculated by multiplying the Annual Core Distribution Demand Forecast by the Annual Core Distribution Shrinkage Percentage. The Core Distribution Shrinkage Quantity is allocated between the summer and winter seasons in the same percentage as the Total LUAF Forecast.			
Line No.			Line No.
Core Customer Demand Forecast			
1		Quantity (MDth)	1
2	Annual core distribution demand	257,004	2
3	Summer Season (April -- October) Core Distribution Demand	89,164	3
4	Winter season (November -- March) Core Distribution Demand	167,840	4
Total LUAF Forecast			
5	Annual LUAF Forecast	-1,946	5
6	Summer Season (April -- October) LUAF Forecast	-138	6
7	Winter Season (November -- March) LUAF Forecast	-1,807	7
Core Distribution Shrinkage Quantity			
8	Annual Core Distribution Demand (MDth)	257,004	8
9	Annual Base Core Distribution Shrinkage Percentage	-0.503%	9
10	Calculated Base Core Distribution Shrinkage Quantity (MDth)	-1,292	10
11	Summer Season Core Distribution Shrinkage Quantity (MDth)	-92	11
12	Winter Season Core Distribution Shrinkage Quantity (MDth)	-1,200	12
Seasonal Core Distribution Shrinkage Percentages			
13	Summer Season (April -- October)	-0.103%	13
14	Winter Season (November -- March)	-0.715%	14
Seasonal Core Distribution Shrinkage -- Tariff Percentages			
15	Summer Season (April -- October)	-0.1%	15
16	Winter Season (November -- March)	-0.7%	16
17	Distribution Shrinkage Seasonal Adjustment (based on historical seasonal split between calculated core at CityGate & Burnertip demands)		17
			10%

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

AT&T	East Bay Community Energy	Pacific Gas and Electric Company
Albion Power Company	Ellison Schneider & Harris LLP	Peninsula Clean Energy
Alta Power Group, LLC	Electrical Power Systems, Inc. Fresno	Pioneer Community Energy
Anderson & Poole	Engineers and Scientists of California	Public Advocates Office
Atlas ReFuel BART		Redwood Coast Energy Authority
	GenOn Energy, Inc.	Regulatory & Cogeneration Service, Inc.
BART	Green Power Institute	Resource Innovations
Buchalter	Hanna & Morton LLP	Rockpoint Gas Storage
Barkovich & Yap, Inc.		San Diego Gas & Electric Company
Braun Blaising Smith Wynne, P.C.	ICF consulting iCommLaw	SPURR
California Community Choice Association	International Power Technology	San Francisco Water Power and Sewer
California Cotton Ginners & Growers Association	Intertie	Sempra Utilities
California Energy Commission	Intestate Gas Services, Inc.	Sierra Telephone Company, Inc.
California Hub for Energy Efficiency		Southern California Edison Company
California Alternative Energy and Advanced Transportation Financing Authority	Kelly Group	Southern California Gas Company
California Public Utilities Commission	Ken Bohn Consulting	Spark Energy
Calpine	Keyes & Fox LLP	Sun Light & Power
Cameron-Daniel, P.C.	Leviton Manufacturing Co., Inc.	Sunshine Design
Casner, Steve	Los Angeles County Integrated	Stoel Rives LLP
Center for Biological Diversity	Waste Management Task Force	Tecogen, Inc.
Chevron Pipeline and Power City of Palo Alto	MRW & Associates	TerraVerde Renewable Partners
City of San Jose	Manatt Phelps Phillips	Tiger Natural Gas, Inc.
Clean Power Research	Marin Energy Authority	TransCanada
Coast Economic Consulting	McClintock IP	Utility Cost Management
Commercial Energy	McKenzie & Associates	Utility Power Solutions
Crossborder Energy	Modesto Irrigation District	Water and Energy Consulting
Crown Road Energy, LLC		Wellhead Electric Company
Communities Association (WMA)	NOSSAMAN LLP	Western Manufactured Housing Communities Association (WMA)
Davis Wright Tremaine LLP	NRG Solar	Yep Energy
Day Carter Murphy	OnGrid Solar	
Dept of General Services		
Douglass & Liddell		
Downey Brand LLP		
Dish Wireless L.L.C.		