

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



Pacific Gas & Electric Company
GAS (Corp ID 39)
Status of Advice Letter 4651G
As of October 19, 2022

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

Division Assigned: Energy

Date Filed: 09-13-2022

Date to Calendar: 09-16-2022

Authorizing Documents: D0312061

Disposition:	Accepted
Effective Date:	10-13-2022

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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

September 13, 2022

Advice 4651-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 Allowance Adjustments 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, 2022.

Background

In Advice 4381-G, the Commission adopted PG&E's current transmission and distribution shrinkage base and adjustment allowances effective April 1, 2021. 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 existing transmission and core seasonal distribution shrinkage allowances, that includes both the shrinkage base allowances and removing the existing shrinkage credit adjustments, effective November 1, 2022.

Annual Shrinkage Allowance Forecast Update and Removal of the Shrinkage Adjustments

The proposed shrinkage allowances are calculated using PG&E's latest forecast of shrinkage on its system and PG&E's 2022-2023 customer demand forecast from the 2022 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, is adjusted. The proposed total in-kind shrinkage allowances are shown in the following table:

Proposed Total In-kind Shrinkage Allowance

	Current Effective In-Kind Shrinkage Base¹ Allowance	Current In-Kind Shrinkage Adjustment² Allowance (Credit)	Current Effective Total In-Kind Shrinkage Allowance (Base + Adjustments)	Proposed In-Kind Shrinkage Base³ Allowance without Adjustment	Proposed Total Change
Transmission – Redwood to Off-System	0.9%	0.0%	0.9%	0.9%	0.0%
Transmission – Mission to On/Off-System	0.0%	0.0%	0.0%	0.00%	0.0%
Transmission – All other backbone paths	1.3%	-0.1%	1.2%	1.3%	+0.1%
Distribution – Noncore	0.2%	-0.1%	0.1%	0.2%	+0.1%
Distribution -Core Summer Season (Apr - Oct)	1.3%	-0.5%	0.8%	1.0%	+0.2%
Distribution – Core Winter Season (Nov- Mar)	3.2%	-0.5%	2.7%	3.7%	+1.0%

¹ The Base Allowance is designed to recover shrinkage forecasted to occur during the effective period of the shrinkage allowances (November 2021 through October 2022).

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 (April 1, 2021).

³ The Base Allowance is designed to recover shrinkage forecasted to occur during the effective period of the shrinkage allowances (November 2022 through October 2023).

Based on the 2022-2023 shrinkage forecast, PG&E estimates that the proposed in-kind shrinkage allowances, without any shrinkage adjustments, 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, 2022, 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 gas transportation customers notice of the shrinkage change, PG&E requests that this Tier 2 advice submittal be approved by **October 13, 2022**, which is 30 calendar days after the date of submittal, with the tariffs effective on **November 1, 2022**. 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.13-12-012 and A. 17-11-019. 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

cc: Service List A.13-12-012 and A. 17-11-019



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: 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) #: 4651-G

Tier Designation: 2

Subject of AL: Revision to Gas Rule 21 (Transportation of Natural Gas) to update In-Kind Shrinkage Allowance Adjustments 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: 10/13/22

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: (415)973-2093
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.
38117-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 2	36918-G
38118-G	GAS RULE NO. 21 TRANSPORTATION OF GAS Sheet 3	36919-G
38119-G	GAS TABLE OF CONTENTS Sheet 1	38115-G
38120-G	GAS TABLE OF CONTENTS Sheet 7	37892-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	1.3	—	1.3 (I)	(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)	1.0 (R)	–	1.0 (I)	(T)
Core – Winter Season (November – March)	3.7 (I)	–	3.7 (I)	(T)
Noncore Distribution	0.2	–	0.2 (I)	(T)
Noncore Transmission*	–	–	–	

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

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

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

y = decimal equivalent of the Distribution Shrinkage percentage

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

(Continued)



GAS TABLE OF CONTENTS

Sheet 1

TITLE OF SHEET	CAL P.U.C. SHEET NO.	
Title Page	38119-G	(T)
Rate Schedules	38116,38112-G	
Preliminary Statements	38113,37994-G	
Preliminary Statements, Rules	38079-G	
Rules, Maps, Contracts and Deviations	38120-G	(T)
Sample Forms	37455,37445,36188,36189,37392,37939-G	

(Continued)

Advice 4651-G
Decision

Issued by
Meredith Allen
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

September 13, 2022
November 1, 2022



GAS TABLE OF CONTENTS

Sheet 7

RULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Rules		
Rule 16	Gas Service Extensions21546,18816,34880,17161,18817,18818,18819,18820,18821,18822,29273,18824,18825,17737,18826,18827-G	
Rule 17	Meter Tests and Adjustment of Bills for Meter Error..... 14450,28656,28764,28770,28771,28772,28773,28774-G	
Rule 17.1	Adjustment of Bills for Billing Error 22936,28657,29274-G	
Rule 17.2	Adjustment of Bills for Unauthorized Use 22937,14460,14461-G	
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..... 34521,37888,30445,28210-G	
Rule 19.2	California Alternate Rates for Energy for Nonprofit Group-Living Facilities 32051,37889,17035,31217,34522-G	
Rule 19.3	California Alternate Rates for Energy for Qualified Agricultural Employee Housing Facilities 32053,37890,31219,34523-G	
Rule 19.4	California Alternate Rates for Energy for Qualified Food Bank Facilities 35059-G	
Rule 21	Transportation of Gas27591, 38117,38118 ,31872,32557,32558,32559,32560,32561,32562,32563,32564,32565,31955,29231,33640,31957,35069,35070,35071,35072, 35073,35074,35075,35076, 35077,35078,35079,35080,35081,35082,35083,35084-G	(T)
Rule 23	Gas Aggregation Service for Core Transport Customers 34093,34094,34095,34096, 34097,37864,34099,34100,34101,34102,34103,34104,34105,34106,34107, 34655,37865,34110,34111,34657,34658,34659,34660,34661,34662,37328, 34664,34665,34666,34667,34123-G	
Rule 25	Gas Services-Customer Creditworthiness and Payment Terms 28816,28817,28818,28819,28820,28821,28822,28823,28824,28825,28826,28827,28828-G	
Rule 26	Standards of Conduct and Procedures Related to Transactions with Intracompany Departments, Reports of Negotiated Transactions, and Complaint Procedures. 29688,29689,29690,31933-G	
Rule 27	Privacy and Security Protection for Energy Usage..... 30095,30096,30097,30098,30099 30100,30101,30102,30103,30104,30105,30106,30107,30108,30109,30110,30111-G	
Rule 27.1	Access to Energy Usage and Usage-Related Data While Protecting Privacy of Personal Data 31387,31388,31389,31390,31391-G	
Rule 28	Mobilehome Park Utility Upgrade Program 36153,36261,36155,36156, 36157, 37278,36159,36160-G	

Maps, Contracts and Deviations

SERVICE AREA MAPS:

Gas Service Area Map	31641-G
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LIST OF CONTRACTS AND DEVIATIONS:

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

(Continued)

<i>Advice</i>	4651-G	<i>Issued by</i>	<i>Submitted</i>	September 13, 2022
<i>Decision</i>		Meredith Allen	<i>Effective</i>	November 1, 2022
		<i>Vice President, Regulatory Affairs</i>	<i>Resolution</i>	

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	1.3	-0.4	1.32 (IR) (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 4381-G
Decision D. 03-12-061

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

February 12, 2021
April 1, 2021



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)	1.03(R)	-- 0.5(R)	1.00-8 (IR)	(T)
Core – Winter Season (November – March)	3.72(I)	-- 0.5(R)	32.7 (IR)	(T)
Noncore Distribution	0.2	-- 0.1	0.24 (IR)	(T)
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

Workpaper for In-Kind Shrinkage Allowance Update

PACIFIC GAS AND ELECTRIC COMPANY
Workpaper for In-Kind Shrinkage Allowance Update
Advice 4651-G (effective November 1, 2022)
Shrinkage Base Allowance

	(A)	(B)	(C)	(D)	(E)	(F)	
Line No.	Forecast Customer Demand is based on data in the 2022 California Gas Report filed August 1, 2022. Forecast Off-system Demand is based on the three-year actual off-system deliveries through June 2022. LUAF and GDU forecasts are based on the one-year average monthly percentage profile of actual LUAF and GDU (through May 2022 -- latest data available as of August 24, 2022.)						
	Noncore Transmission/Distribution Split	12 Month Forecast Throughput	% Served from Distr.	% Served from Trans.	Throughput Served from Trans.	Throughput Served from Distr.	Line No.
1		Mdth	Survey Results		Mdth	Mdth	1
2	Industrial	178,874	14.4523%	85.5477%	153,023	25,851	2
3	EG	107,366	0.0000%	100.0000%	107,366	0	3
4	Cogeneration	61,576	18.3312%	81.6688%	50,289	11,288	4
5	Wholesale	3,418	0.0000%	100.0000%	3,418	0	5
6	NGV4	1,490	0.0000%	100.0000%	1,490	0	6
7	Total Noncore (excludes EOR and SEGDA)	352,724			315,585	37,139	7
8	% of Noncore served from Trans. and Distr.				89.47%	10.53%	8
9	LUAF per Study (from the Gas Accord I Workpapers, 17-2 & 17-3)						9
10	Splits LUAF noncore volumes between distribution and transmission based on LUAF Study						10
11		NC Total			NC Trans.	NC Distr.	11
12	LUAF (Mcf) - volumes from 1995 BCAP	3,054,276			2,268,089	786,187	12
13	LUAF % (NC Distr Vol/NC Total)				74.26%	25.74%	13
14	Throughput Vol. % - Data from Rate Dept Survey				79.00%	21.00%	14
15	Ratios set for Accord period:						15
16	Calculated as Line 11/Line 12				0.94	1.23	16
17	Calculated as (F) line 14/(E) line 14					1.30	17
18	Noncore % of System LUAF (adopted in 95 BCAP)	22.00%					18
19	LUAF & GDU Allocations to Transmission and Distribution						19
20		System Forecast	Core	Noncore	Off-system	NC Trans.	NC Distr.
21	LUAF allocated volumes (less off-sys LUAF; core/noncore 78%/22%)	11,570	8,756	2,470	344		
22	Throughput per forecast (Mdth)	715,280	258,277	352,724	104,278		
23	Less: SEGDA	0		0			
24	Totals for Calculation of allocation	715,280	258,277	352,724	104,278		
25	LUAF as % of throughput (Lines 17/20)	1.618%	3.390%	0.700%	0.330%		
26	Noncore Trans. LUAF% ((D) line 21 - wtd. per surveys above)					0.678%	
27	Noncore Distr. LUAF% (D) line 21 - wtd. per surveys above)						0.885%
28	Off-System LUAF (per D.94-02-042)	0.33%					
29	GDU Calculations:						
30	GDU per forecast(Mdth) - Pipeline (Total Plus balancing service storage GDU)	4,204					
31	GDU % = (B) line 24/(B) line 20	0.588%					
32	Shrinkage (LUAF+GDU)						
33	Noncore Transmission = (B) line 26 + (E) line 22	1.266%					
34	Noncore Distribution = (B) line 26 + (F) line 23	1.472%					
35	Core Total = (B) line 26 + (C) line 21	3.978%					
36	Core Distribution = (B) line 29 - (B) line 27	2.712%					
37	Off-System Transmission = (B) line 26 + (B) line 24	0.918%					
38	Proposed Pipeline Shrinkage Allowances - Base Allowance Update		Core	NC Trans.	NC Dist.	Off-Sys.	
39	Transmission (assumes same % for core and noncore)		1.3%	1.3%	1.3%	0.9%	
40	Distribution		2.7%	N/A	0.2%	N/A	
41	Total		4.0%	1.3%	1.5%	0.9%	

PACIFIC GAS AND ELECTRIC COMPANY
Workpaper for Seasonal Core Distribution Shrinkage Allowance
Advice 4651-G (effective November 1, 2022)
Seasonal Core Distribution Shrinkage Allowance

	(A)	(B)	(C)	
	Seasonal Core Distribution Shrinkage Rate Derivation			
Line No.	The Core distribution forecast is based on the customer demand forecast agreed-upon in the 2022 California Gas Report filed August 1, 2022. 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.
	Core Customer Demand Forecast			
1		Quantity (MDth)	Percentage	1
2	Annual core distribution demand	258,277		2
3	Summer Season (April -- October) Core Distribution Demand	92,632	35.87%	3
4	Winter season (November -- March) Core Distribution Demand	165,645	64.13%	4
	Total LUAF Forecast			
5	Annual LUAF Forecast	11,570		5
6	Summer Season (April -- October) LUAF Forecast	1,463	12.65%	6
7	Winter Season (November -- March) LUAF Forecast	10,107	87.35%	7
	Core Distribution Shrinkage Quantity			
8	Annual Core Distribution Demand (MDth)	258,277		8
9	Annual Base Core Distribution Shrinkage Percentage	2.712%		9
10	Calculated Base Core Distribution Shrinkage Quantity (MDth)	7,004		10
11	Summer Season Core Distribution Shrinkage Quantity (MDth)	886		11
12	Winter Season Core Distribution Shrinkage Quantity (MDth)	6,118		12
	Seasonal Core Distribution Shrinkage Percentages			
13	Summer Season (April -- October)	0.956%		13
14	Winter Season (November -- March)	3.694%		14
	Seasonal Core Distribution Shrinkage -- Tariff Percentages			
15	Summer Season (April -- October)	1.0%		15
16	Winter Season (November -- March)	3.7%		16

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

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
Braun Blaising Smith Wynne, P.C.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

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

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

Chevron Pipeline and Power
City of Palo Alto

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

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

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

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie
Green Power Institute
Hanna & Morton
ICF
International Power Technology

Intertie

Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

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

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Public Advocates Office

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.

Resource Innovations

SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

Sierra Telephone Company, Inc.
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Stoel Rives LLP

Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

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