

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



February 6, 2020

**Advice Letter 4197-G &
Supplemental 4197-G-A**

Erik Jacobson
Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

**SUBJECT: Implementation of the 2018 Gas Cost Allocation Proceeding to Update
Residential and Non-Residential rates Resulting from Ordering
Paragraph 11 in D.19-10-036**

Dear Mr. Jacobson:

Advice Letter 4197-G & Supplemental 4197-G-A are effective as of March 1, 2020.

Sincerely,

A handwritten signature in cursive script that reads "Edward Randolph".

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division

December 23, 2019

Advice 4197-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

Subject: Implementation of the 2018 Gas Cost Allocation Proceeding to Update Residential and Non-Residential rates Resulting from Ordering Paragraph 11 in D.19-10-036

Purpose

The purpose of this submittal is to implement revisions to PG&E's gas tariffs in compliance with Decision (D.) 19-10-036 dated October 24, 2019, for rates effective no later than the 2nd month following the approval of this advice letter, in PG&E's 2018 Gas Cost Allocation Proceeding (GCAP) Application (A.) 17-09-006.¹ Tables supporting the GCAP rate and revenue changes are shown in Attachments 1 through 13.²

Background

The purposes of the GCAP are to allocate authorized transportation costs (excluding those authorized in the Gas Transmission & Storage Rate Case (GTS)) among core and noncore customers, adopt gas demand forecasts to allocate procurement costs via monthly pricing as well as public purpose program surcharge revenues in the annual Public Purpose Program Surcharge Submittal,³ and propose changes in rate design methodology. The methodologies adopted in the GCAP recover PG&E's gas revenue requirement by using the adopted 2019 GTS throughput and customer forecasts as authorized in D.19-09-025. The net impact is an increase in allocation of transportation revenue requirement of approximately \$2.1 million to core⁴ with a net decrease of \$31

¹ Pursuant to D.19-10-036 Ordering Paragraphs (OP) 11.

² Parties having signed the 2018 GCAP non-disclosure agreement may request electronic workpapers.

³ The adopted throughput forecast and updated allocation percentages were incorporated in calculating the G-PPPS rates submitted with the Tier 2 2020 Public Purpose Program Surcharge Advice Letter 4174-G on October 31, 2019 with an effective date of January 1, 2020 (approved December 17, 2019).

⁴ Core procurement revenues also decrease by approximately \$1.3 million due to fewer adopted core bundled volumes paying the core brokerage fee rate.

thousand to noncore, both compared to the allocations of the 2020 Annual Gas True-up (AGT) submitted concurrently in Advice Letter 4200-G. On a revenue at present rates basis, the impact of the allocations and adopted throughput forecast increases noncore transportation revenues by approximately \$8 million and core transportation revenues by \$241 million compared to the 2020 AGT rates submitted in Advice Letter 4200-G on December 23, 2019. However, as further discussed below, there are significant future offsets (decreases) to core transportation rates of approximately 3% to 6% as the structural shortfall in the Core Fixed Cost Account (CFCA)-Subaccount related to an outdated adopted throughput forecast is mostly eliminated by the time of the 2021 AGT and then fully by the 2022 AGT.

GCAP D.19-10-036 adopted the following provisions that impact core and noncore rates:

2019 GT&S Sales Forecast

PG&E's 2018 GCAP application incorporated the adopted throughput stipulation from the 2015 GT&S Rate Case for the year 2017 as the basis for its rate calculations. The 2018 GCAP decision approves the proposal by PG&E to update the adopted cost allocation and rate design calculations using the throughput and customer forecast adopted in the 2019 GT&S Rate Case.⁵

The gas sales and customer forecasts are used in:

1. the calculation of marginal cost revenues;
2. the allocation of transportation, procurement, and non-Energy Efficiency (EE)-related Public Purpose Program costs and surcharges across customer classes; and
3. recovery of residual allocated costs in volumetric rates after calculating customer charge revenues by class.

PG&E's GCAP rates do not vary by year as GT&S rates do and are instead based on average throughput over the rate case period. To incorporate the 2019 GT&S Average and Cold Temperature Sales forecasts and Customer (Billings) forecast into the 2018 GCAP calculations, PG&E created averages, by month and by class, over the four years of the 2019 GT&S Rate Case period.

As shown in Table 1 below, the adopted 2019 GT&S sales forecast for classes primarily served from distribution lines is 1.4% lower than the placeholder forecast PG&E incorporated into its GCAP application and a total of 6.4% lower than the adopted 2010 Biennial Cost Allocation Proceeding (BCAP). The 2019 GTS forecast compared to the placeholder results in an incremental increase, on average, to rates across distribution-level classes compared to those included in PG&E's application. However, because

⁵ Pursuant to D.19-10-036 OPs 1 and 2.

the average therms used per month by residential and core commercial customers are decreasing, this provides a partial offset to the rate increase. In other words, transportation rates are increasing because usage is decreasing⁶ (even though costs are not changed in this proceeding).

The secondary driver impacting rates is due to a lower systemwide-level forecast (including throughput by classes primarily served from PG&E's transmission system). The forecast in the 2019 GT&S is 6.8% lower than the placeholder forecast PG&E incorporated into its application and 9.9% lower than the adopted 2010 BCAP systemwide-level throughput forecast.

TABLE 1
CHANGE IN THROUGHPUT FROM 2010 BCAP DECISION UNDERLYING PRESENT RATES

A: CLASSES PRIMARILY SERVED FROM DISTRIBUTION SYSTEM

	2010 BCAP	PG&E 2018 GCAP	2019 GT&S	Total Change from 2010	Total % Change from 2010
Residential	2,011,129	1,873,900	1,819,971	-191,158	-9.5%
Small Commercial	792,357	775,537	779,366	-12,991	-1.6%
Lrg Comm + Core NGV + IND-D + Whsl-D	356,849	351,237	359,790	2,940	0.8%
Total Classes Primarily on Distribution	3,160,335	3,000,674	2,959,126	-201,209	-6.4%
Change		-159,661	-41,548		
% Change		-5.1%	-1.4%	-6.4%	
			from PG&E 2018 GCAP Application		

B: TOTAL GAS SYSTEM

	2010 BCAP	PG&E 2018 GCAP	2019 GT&S	Total Change from 2010	Total % Change from 2010
Total Classes Primarily on Distribution	3,160,335	3,000,674	2,959,126	-201,209	-6.4%
Total Classes Primarily on Transmission	4,188,615	4,107,918	3,664,719	-523,896	-12.5%
Total System	7,348,950	7,108,592	6,623,845	-725,105	-9.9%
Change		-240,358	-484,747		
% Change		-3.3%	-6.8%	-9.9%	
			from PG&E 2018 GCAP Application		

⁶ As a primary example, average adopted monthly usage for residential individually metered customers has decreased by 13.5% from 37 therms per month in the last BCAP to 32 therms in the 2018 GCAP.

Finally, as PG&E noted in its application testimony,⁷ the initial implementation of the updated throughput forecast has a one-year compounded impact that is then partially offset by the subsequent Annual Gas True-Up(s). The structural undercollection will be reduced by approximately 70% by the 2021 AGT, with the remaining 30% eliminated thereafter. See rate table attachment 3.

Cal Advocates' Modified Marginal Cost Study using the Rental Method and updated Marginal Distribution Capacity Cost (MDCC) from PG&E's 2017 GRC Phase I

The decision orders the implementation of Cal Advocates' Marginal Cost-based approach to cost allocation, but using the Rental Method for the Customer Function marginal cost revenue determination and using an updated estimate for the MDCC of \$373.74.⁸ Additionally, as mentioned above, the marginal cost revenues for implementation are calculated using the resulting marginal demand measures as derived from the adopted 2019 GT&S Rate Case throughput and customer forecasts. PG&E provides updated customer function marginal cost revenues, distribution function marginal cost revenues, and scaled marginal cost revenue worksheet extracts as an attachment to this advice letter with full electronic workpapers available as noted above.

The adopted Cal Advocates marginal cost study included the capping of the base distribution revenue requirement allocation to the Small Commercial Customer Class at the level that was proposed under PG&E's Embedded Cost-based allocation method. The absolute level of that capping of the base revenue allocation to the Small Commercial customer class was based on the revenue requirement in effect on September 14, 2017, when PG&E filed its application. In order to apply the adopted method to the base distribution revenue requirement in effect at the time of this implementation, PG&E has applied the percentage of total gas base revenue requirement allocation to the Small Commercial customer class under its embedded cost-based method (17.717%)⁹ and applied that percentage to the current adopted gas base revenue requirement effective January 1, 2020. PG&E then applied the resulting \$69 million shortfall to be re-allocated to the residential customer class under Cal Advocates method.¹⁰

In order to comply with this adopted capping on an ongoing basis until the next GCAP decision is implemented, PG&E proposes to update the re-allocation amount by applying the 17.717% factor to the adopted gas base distribution revenue requirement authorized upon implementation of a change to the authorized gas distribution revenue requirement.

⁷ PG&E Exhibit 1, Chapter 1, Attachment B.

⁸ Pursuant to D.19-10-036 OP 3.

⁹ Exhibit PG&E-1, Revised for Errata, February 15, 2018, Line 7, Small Commercial column.

¹⁰ Compared to Cal Advocates proposed reallocation of \$105 million.

Incorporation into Rate Calculations of Other Compliance Aspects (Tier 1) of D.19-10-036.¹¹

The following sections address other compliance aspects of D.19-10-036.

Residential Rate Design

1. Adopts the reduction in residential Tier 1 and Tier 2 bundled rate differential to 1.2 over four years.¹² The initial reduction reduces the effective residential bundled tiered rate ratio to 1.35, based on the illustrative annual residential procurement rate of \$0.34675 per therm given the impacts of incorporating the adopted 2019 GT&S throughput for purposes of the 2018 GCAP, including monthly pricing. The Tier 2/Tier 1 transportation rate ratio that achieves this 1.35 illustrative annual bundled rate ratio is 1.44795. Therefore, for the remainder of 2020 the transportation tiering rate ratio of 1.44795 will remain in effect in order to avoid changing residential transportation rates on a monthly basis when monthly pricing changes the residential procurement rate. The next update of this ratio will be with PG&E's 2021 AGT submitted in December 2020 with a reduction of the target bundled tier ratio from 1.35 to 1.3. The 2021 update will occur if the GCAP is implemented no later than April 1, 2020, to allow at least eight months between phased-in changes in the residential tier ratio.¹³
2. Increases the non-care residential minimum monthly transportation charge (MMTC) by \$1 from the current \$3 to \$4 per month with commensurate decrease to volumetric rates.¹⁴ Estimated revenues collected by the non-CARE MMTC increase from \$4.9 million per year to \$7.1 million out, reducing the transportation revenues collected via volumetric rates from approximately \$1.536 billion to \$1.534 billion.

¹¹ Per D. 19-10-036 OP 11, PG&E shall implement the 2018 GCAP Decision no later than the second month following the approval of this Tier 2 advice letter, concurrent with monthly pricing advice letter.

¹² Pursuant to D.19-10-036 OP 4.

¹³ If the 2018 GCAP is implemented after April 1, 2020, PG&E will implement the subsequent phase-in of tier reduction with the next transportation rate change that occurs at least 8 months after the GCAP implementation.

¹⁴ Pursuant to D.19-10-036 OP 5.

Core Brokerage Fee

Updates the Core Brokerage Fee to \$0.00249 per therm based on the updated Core Brokerage Fee Study.¹⁵ When combined with the reduction in adopted Core Bundled throughput forecast, reduces the forecast annual Core Brokerage Fee revenue collected in gas procurement rates by approximately \$1.3 million. This reduces the Core Brokerage Fee Credit to transportation rates by the same \$1.3 million for a net total revenue change of zero.

Master Meter Discount and Master Meter Diversity Benefit

PG&E will update the gas Schedule GS (Multifamily Service) and gas Schedule GT (Mobilehome Park Service) net Master Meter Discounts, Diversity Benefit Adjustment, and Gas Loss Adjustment, as applicable, when PG&E files its tariffs to implement the GCAP decision. As directed in D.19-10-036,¹⁶ the Gas Loss Adjustment and Diversity Benefit Adjustment must be updated at the time of implementation with then effective rates.

However, in compliance with the order to revise the service O&M loader costs, and to update the base portion of the discount for tax and cost of capital impacts at the time of implementation, PG&E has recalculated the resulting impact on the base portion of the master meter discounts as follows:

Gas Schedule GS Base Discount per unit to \$5.54

Gas Schedule GT Base Discount per unit to \$11.50

The net Master Meter Discount is calculated by subtracting the diversity benefit per unit from the Base Discount per unit for each schedule, i.e., GS and GT. In addition, the Gas Loss Adjustment is added to determine the net Schedule GT master meter discount. The net Master Meter Discount is then multiplied by the adopted number of ultimate GS and GT units served to calculate the forecast total Master Metered Discounts provided to the Master Metered customers. That discount is then recovered in residential transportation volumetric rates.¹⁷

Finally, extending the Schedule G-1 Minimum Transportation Bill to Schedules GS and GT is a structural change to PG&E's billing system. PG&E will implement these structural and system changes in a manner consistent with smooth operations of the systems involved. Structural changes necessary to implement this initiative will be

¹⁵ Pursuant to D.19-10-036 OP 6.

¹⁶ Pursuant to D.19-10-036, OP7, and page 59.

¹⁷ Pursuant to D.19-10-036 OP 7.

prioritized and coordinated with all other initiatives approved by the Commission, recognizing that these changes may be significant and may require an extended implementation period. PG&E will include this change in the initial Tier 2 AGT prior to implementation of this structural item.

Natural Gas Vehicle Compression Rate

Updates the natural gas vehicle compression rate to \$0.96/therm from \$0.83/therm.¹⁸ This increases the G-NGV2 rate charged to customers refueling their NGV's at PG&E's NGV stations open to the public. Combined with the adopted forecast of G-NGV2 throughput, results in NGV2 compression capital and maintenance revenue of \$3.5 million vs \$2 million under January 2020 rates and adopted throughput forecast. Including the electric compression cost and revenues from federal and state fuel taxes incorporated into the G-NGV2 transportation rate, total NGV2 revenue offset to the adopted GRC Base Revenues paid by other customer classes increases from \$3.2 to \$5.2 million.

Allocation Factors Changes

Allocation factors that are derived from the sales forecast will all change for purposes of allocating balancing accounts and non-base transportation revenue requirements across customer classes due to the implementation of the new sales forecast. The attachments to this advice letter provide the impacts of those changes in detail.

Energy Efficiency and Energy Savings Assistance allocation were updated and reflected in the tier 2 2020 Public Purpose Program Surcharge Advice Letter 4174-G submitted on 10/31/2019 and approved on December 17, 2019 with effective date of January 1, 2020.

Certain allocations were changed due to Commission directives:

Self-Generation Incentive Program (SGIP), in Resolution E-4926, Commission ordered that SGIP costs to be allocated based on the actual benefits resulting from the disbursement of program incentives over the previous three years in its service territory. The allocation would be updated on a rolling basis annually to account for changes in eligibility and market factors. Resolution E-4926 directed PG&E to update its gas SGIP allocators in the GCAP. The updated allocation factors, based on the current three-year rolling average, are provided below:

¹⁸ Pursuant to D.19-10-036 OP 8.

**TABLE 2
SELF-GENERATION INCENTIVE PROGRAM
ROLLING 3-YEAR GAS ALLOCATION FACTORS**

	2016	2017	2018	Avg.
Res (G1/GM)	0.16%	54.33%	81.53%	45.34%
SC (GMR1)	92.18%	39.16%	16.02%	49.12%
LC (GMR2)	0.00%	2.69%	0.00%	0.90%
Ind - D (GNTD)	7.67%	3.82%	2.45%	4.64%
Ind - T (GNTT)	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

Shareholder Incentive Allocator updated to the direct benefits method developed for the Energy Efficiency (EE) Program costs¹⁹. As the Shareholder Incentive is collected in transportation rates, the implementation of this change was not performed in the Public Purpose Program Surcharge advice letter but instead with the other transportation allocation changes implementing the 2018 GCAP decision. The allocation factors adopted for recovery of EE Program costs and are provided below.

**TABLE 3
SHAREHOLDER INCENTIVE ALLOCATION FACTORS**

Total	Residential	Small Commercial	Large Commercial	NGV1/NGV2	Industrial Distribution	Industrial Trans/Backbone	NGV4
100.00%	33.840%	32.860%	1.940%		10.820%	20.540%	

Adopted Revenue Requirement: Changes from 2020 AGT

While the GCAP does not establish a change in the total revenue requirements, there are elements of authorized revenues that change as they are in fact adopted rates and not revenue requirements. Therefore, as adopted rates, when the adopted throughputs applied to them change, the illustrative revenues included in tables also change, as explained below by item:

- A. CPUC Fee: The CPUC Fee is an adopted rate applied to applicable throughput. Therefore, given the implementation of a new throughput forecast in the 2018 GCAP, the CPUC Fee illustrative revenue as shown in the revenue requirement and allocation tables will change.
- B. Core Brokerage Fee Credit: The Commission adopts a Core Brokerage Fee Rate. That rate is then multiplied by the adopted core bundled throughput forecast to calculate the placeholder Core Brokerage Fee credit to transportation rates with the offset collected in monthly pricing

¹⁹ D.19-10-036, p. 71.

- rates via the Core Brokerage Fee. The Core Brokerage Fee Balancing Account provides an annual true-up in the Annual Gas True-Up advice letter submittal.
- C. The Revenue, Franchise Fee, and Uncollectibles Factor remains the same as submitted in PG&E's 2020 Annual Gas True-Up. However, the revenue collected from this factor will follow the small change in transportation revenue requirements as described above with commensurate changes, as applicable,
 - D. The procurement-related G-10 Discount has a minor change given the increase in procurement rates from incorporating a lower bundled throughput forecast.

Protests

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than January 13, 2020, which is 21 days²⁰ 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

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

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

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

Effective Date

Pursuant to General Order (GO) 96-B, Rule 5.2, and OP 11 of D.19-10-036, this advice letter is submitted with a Tier 2 designation. PG&E requests that this Tier 2 advice submittal become effective on March 1, 2020. In order to timely implement these changes, PG&E requests a disposition letter no later than February 14, 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 and the parties on the service list for A.17-09-006. 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 A.17-09-006



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39 G)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Annie Ho

Phone #: (415) 973-8794

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: AMHP@pge.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4197-G

Tier Designation: 2

Subject of AL: Implementation of the 2018 Gas Cost Allocation Proceeding to Update Residential and Non-Residential rates Resulting from Ordering Paragraph 11 in D.19-10-036

Keywords (choose from CPUC listing): Compliance,

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.19-10-036

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: 3/1/20

No. of tariff sheets: N/A

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: N/A

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:

RATES WITH 2020 AGT REVENUE REQUIREMENT ALLOCATED PER 2018 GCAP DECISION (D.19-10-036)

3/1/2020

LIST OF RATE TABLE ATTACHMENTS

PG&E Reference	Table Description
Attachment 1	2020 ANNUAL END-USE TRANSPORTATION, GAS TRANSMISSION AND STORAGE REVENUE REQUIREMENTS, AND PUBLIC PURPOSE PROGRAMS AUTHORIZED FUNDING
Attachment 1A	2020 ANNUAL END-USE TRANSPORTATION, GAS TRANSMISSION AND STORAGE REVENUE REQUIREMENTS, AND PUBLIC PURPOSE PROGRAMS AUTHORIZED FUNDING ALLOCATION TO CORE/NONCORE/UNBUNDLED
Attachment 2	BALANCING ACCOUNT FORECAST SUMMARY
Attachment 3	ILLUSTRATIVE CLASS AVERAGE RATES (\$/TH)
Attachment 4	AVERAGE END-USER GAS TRANSPORTATION RATES AND PUBLIC PURPOSE PROGRAM SURCHARGES
Attachment 5	ALLOCATION OF GAS END-USE TRANSPORTATION AND ILLUSTRATIVE PROCUREMENT REVENUE REQUIREMENTS AND PPP SURCHARGE REVENUES ACROSS CLASSES
Attachment 6	CHANGES IN ALLOCATION OF REVENUE REQUIREMENT FROM 01/1/2020 AGT RESULTING FROM APPLICATION OF ADOPTED GCAP METHODOLOGIES
Attachment 7	G-NGV2 PRESENT AND PROPOSED RATES BY DETAILED COMPONENT (\$/TH)
Attachment 8	G1-NGV RATES (\$/TH)
Attachment 9	AVERAGE END-USER GAS TRANSPORTATION RATES AND PPP SURCHARGES
Attachment 10	CHANGE FROM JANUARY 1, 2020 RATES
Attachment 11	ILLUSTRATIVE AVERAGE NON-CARE RESIDENTIAL AND NON-CARE SMALL COMMERCIAL BILL IMPACTS
Attachment 12	MARGINAL COST REVENUES
Attachment 13	SCALED AND CAPPED GAS BASE DISTRIBUTION REVENUE ALLOCATIONS

ATTACHMENT 1

PACIFIC GAS AND ELECTRIC COMPANY
MARCH 1, 2020 RATE CHANGE2020 ANNUAL END-USE TRANSPORTATION, GAS TRANSMISSION AND STORAGE REVENUE REQUIREMENTS,
AND PUBLIC PURPOSE PROGRAMS AUTHORIZED FUNDING
(\$ THOUSANDS)

Line No.		A Present in Rates as of 1/1/20	B Proposed as of 3/1/2020	C Total Change	D Core	E Noncore / Unbundled	Line No.
	END-USE GAS TRANSPORTATION						
1	Gas Transportation Balancing Accounts	335,282	335,282	-	(50)	51	1
2	GRC Distribution Base Revenues (includes distribution portion of Cost of Capital)	1,937,828	1,937,828	-	(1,912)	1,912	2
3	Pension - Distribution	47,699	47,699	-	(47)	47	3
4	Pension - Gas Transmission & Storage	18,013	18,013	-	-	-	4
5	Self Generation Incentive Program Revenue Requirement	12,989	12,990	1	5,445	(5,445)	5
6	CPUC Fee	11,661	12,453	792	(487)	1,280	6
7	Core Brokerage Fee Credit	(6,583)	(5,332)	1,251	1,251	-	7
8	Greenhouse Compliance Operational Cost (excluding RF&U)	15,856	15,856	-	211	(211)	8
9	Greenhouse Compliance Cost (excluding RF&U)	172,852	172,852	-	(2,381)	2,381	9
10	Greenhouse Compliance Revenue Return (excluding RF&U)	(159,288)	(159,288)	-	-	-	10
	Less CARE discount recovered in PPP surcharge from non-CARE customers	(129,374)	(129,374)	-	-	-	
11							11
12	RF&U	6,760	6,771	11	35	(25)	12
13	Total Transportation RRQ with Adjustments and Credits	2,263,695	2,265,750	2,055	2,065	(10)	13
14							14
15	Procurement-Related G-10 Total	(659)	(639)	20	20	-	15
16	Procurement-Related G-10 Total Allocated	659	639	(20)	0	(21)	16
17	Total Transportation Revenue Requirements Reallocated	2,263,695	2,265,750	2,055	2,085	(31)	17
	Gas Transmission & Storage (GT&S) Transportation Revenue Requirements (RRQ)						
18	Local Transmission	856,625	856,625	-	-	-	18
19	Customer Access	2,404	2,404	-	-	-	19
20	Total GT&S Transportation RRQ	859,029	859,029	-	-	-	20
21	2019 GT&S Late Implementation ¹						21
22	Local Transmission	4,168	4,168	-	-	-	22
23	Backbone	6,595	6,595	-	-	-	23
24	Storage	43,007	43,007	-	-	-	24
25	Total 2015 GT&S Late Implementation	53,770	53,770	-	-	-	25
26	Total End-Use Gas Transportation RRQ	3,176,494	3,178,549	2,056	2,085	(31)	26
	PUBLIC PURPOSE PROGRAMS (PPP) FUNDING						
27	Energy Efficiency	84,513	84,513	-	-	-	27
28	Energy Savings Assistance	49,359	49,359	-	-	-	28
29	Research and Development and BOE/CPUC Admin Fees	10,295	10,295	-	-	-	29
30	CARE Administrative Expense	3,772	3,772	-	-	-	30
31	Statewide Marketing, Education & Outreach	1,139	1,139	-	-	-	31
32	Total Authorized PPP Funding	149,078	149,078	-	-	-	32
33	PPP Surcharge Balancing Accounts	(95,961)	(95,961)	-	-	-	33
34	CARE discount recovered from non-CARE customers	129,374	129,374	-	-	-	34
35	Total PPP Required Funding	182,491	182,491	-	-	-	35
	GT&S UNBUNDLED COSTS						
36	Backbone Transmission	304,264	304,264	-	-	-	36
37	Storage	4,573	4,573	-	-	-	37
38	Total GT&S Unbundled	308,837	308,837	-	-	-	38
39	TOTAL REVENUE REQUIREMENTS	3,667,822	3,669,877	2,056	2,085	(31)	39

Notes:

A positive balance represents an under-collection. A negative balance represents an over-collection.
Some numbers may not add precisely due to rounding.

1) See Appendix H, Table 2 of D.19-09-025. Note Noncore portion of NGSS Enduser Depreciation/Decommissioning as shown on line 9 of Attachment H, Table 2 (\$5.8M annual RRQ) is included in Local Transmission Balancing Accounts.

ATTACHMENT 1A

**PACIFIC GAS AND ELECTRIC COMPANY
MARCH 1, 2020 RATE CHANGE**

**2020 ANNUAL END-USE TRANSPORTATION, GAS TRANSMISSION AND STORAGE REVENUE REQUIREMENTS,
AND PUBLIC PURPOSE PROGRAMS AUTHORIZED FUNDING ALLOCATION TO CORE/NONCORE/UNBUNDLED
(\$ THOUSANDS)**

Line No.		Proposed as of 3/1/2020	Core	Noncore / Unbundled	Line No.
	END-USE GAS TRANSPORTATION				
1	Gas Transportation Balancing Accounts	335,282	355,179	(19,897)	1
2	GRC Distribution Base Revenues	1,937,828	1,868,453	69,375	2
3	Pension - Distribution	47,699	45,991	1,708	3
4	Pension - Gas Transmission & Storage	18,013	10,533	7,480	4
5	Self Generation Incentive Program Revenue Requirement	12,990	10,594	2,395	5
6	CPUC Fee	12,453	6,668	5,786	6
7	Core Brokerage Fee Credit	(5,332)	(5,332)	-	7
8	Greenhouse Compliance Operational Cost (excluding FF&U)	15,856	6,464	9,392	8
9	Greenhouse Compliance Cost (excluding FF&U)	172,852	137,118	35,734	9
10	Greenhouse Compliance Revenue Return (excluding FF&U)	(159,288)	(159,288)	-	10
	Less CARE discount recovered in PPP surcharge from non-CARE customers	(129,374)	(129,374)	-	
11	FF&U	6,771	6,525	246	11
12	Total Transportation RRQ with Adjustments and Credits	2,265,750	2,153,532	112,219	13
14	Procurement-Related G-10 Total	(639)	(639)	-	14
15	Procurement-Related G-10 Total Allocated	639	260	378	15
16	Total Transportation Revenue Requirements Reallocated	2,265,750	2,153,153	112,597	16
	Gas Transmission & Storage (GT&S) Transportation Revenue Requirements (RRQ)				
17	Local Transmission	856,625	588,905	267,720	17
18	Customer Access	2,404	-	2,404	18
19	Total GT&S Transportation RRQ	859,029	588,905	270,125	19
20	2015 GT&S Late Implementation				20
21	Local Transmission	4,168	8,788	(4,620)	21
22	Backbone	6,595	13,487	(6,892)	22
23	Storage	43,007	41,387	1,620	23
24	Total 2015 GT&S Late Implementation	53,770	63,662	(9,892)	24
25	Total End-Use Gas Transportation RRQ	3,178,549	2,805,720	372,830	25
	PUBLIC PURPOSE PROGRAMS (PPP) FUNDING				
26	Energy Efficiency	84,513	58,010	26,503	26
27	Energy Savings Assistance	49,359	49,359	-	27
28	Research and Development and BOE/CPUC Admin Fees	10,295	6,010	4,285	28
29	CARE Administrative Expense	3,772	2,062	1,710	29
30	Statewide Marketing, Education & Outreach	1,139	782	357	30
31	Total Authorized PPP Funding	149,078	116,222	32,856	31
32	PPP Surcharge Balancing Accounts	(95,961)	(81,237)	(14,724)	32
33	CARE discount recovered from non-CARE customers	129,374	70,720	58,655	33
34	Total PPP Required Funding	182,491	105,705	76,786	34
	GT&S UNBUNDLED COSTS				
35	Backbone Transmission	304,264	-	304,264	35
36	Storage	4,573	-	4,573	36
37	Total GT&S Unbundled	308,837	-	308,837	37
38	TOTAL REVENUE REQUIREMENTS	3,669,877	2,911,425	758,453	38

Notes:

A positive balance represents an under-collection. A negative balance represents an over-collection.
Some numbers may not add precisely due to rounding.

**PACIFIC GAS AND ELECTRIC COMPANY
MARCH 1, 2020 RATE CHANGE
BALANCING ACCOUNT FORECAST SUMMARY**

(\$ THOUSANDS)

Line No.		GCAP ALLOCATIONS		Allocation		2020 AGT ALLOCATIONS ¹		Allocation		Line No.
		Nov. 2019 Recorded	Dec. 2019 Forecast	Core	Noncore	Nov. 2019 Recorded	Dec. 2019 Forecast	Core	Noncore	
		A	B	C	D	E	F			
GAS TRANSPORTATION BALANCING ACCOUNTS										
1	Core Fixed Cost Account (CFCA) - Distribution Cost Subaccount	\$293,862	\$293,862	\$0	\$293,862	\$293,862	\$0	1		
2	CFCA - Core Cost Subaccount	\$3,470	\$3,470	\$0	\$3,470	\$3,470	\$0	2		
3	Noncore Customer Class Charge Account (NCA) - Noncore Subaccount	(\$22,624)	\$0	(\$22,624)	(\$22,624)	\$0	(\$22,624)	3		
4	NCA - Distribution Subaccount	(\$12,223)	\$0	(\$12,223)	(\$12,223)	\$0	(\$12,223)	4		
5	Core Brokerage Fee Balancing Account	\$964	\$964	\$0	\$964	\$964	\$0	5		
6	Hazardous Substance Mechanism	\$68,836	\$28,062	\$40,774	\$68,836	\$27,147	\$41,688	6		
7	Balancing Charge Account	(\$2,029)	(\$827)	(\$1,202)	(\$2,029)	(\$800)	(\$1,229)	7		
8	GT&S Ex Parte Penalty	\$0	\$0	(\$1)	\$0	\$0	\$0	8		
9	Customer Energy Efficiency Incentive Recovery Account - Gas	\$2,937	\$2,016	\$921	\$2,937	\$2,911	\$25	9		
10	California Solar Initiative Thermal Program Memorandum Account	\$8,477	\$4,479	\$3,999	\$8,477	\$5,013	\$3,464	10		
11	Adjustment Mechanism of Costs Determined in Other Proceedings	(\$55,724)	(\$27,862)	(\$27,862)	(\$55,724)	(\$27,862)	(\$27,862)	11		
12	Non-Tariffed Products and Services Balancing Account	(\$325)	(\$325)	\$0	(\$325)	(\$325)	\$0	12		
13	AB 32 Cost of Implementation Fee	\$8,438 (2)	\$4,695	\$3,742	\$8,438 (2)	\$4,210	\$4,228	13		
14	Gas Pipeline Expense and Capital Balancing Account	\$2	\$1	\$1	\$2	\$1	\$1	14		
15	Engineering Critical Assessment Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	15		
16	Natural Gas Leak Abatement Program Balancing Account	(\$2,520)	(\$1,938)	(\$582)	(\$2,520)	(\$1,928)	(\$592)	16		
17	New Environmental Regulations Balancing Account	\$18,449	\$18,645	(\$196)	\$18,449	\$18,685	(\$236)	17		
18	Pension Contribution Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	18		
19	NGSS Enduser Depreciation/Decommissioning	\$43,073 (3)	\$27,583	\$15,490	\$43,073 (3)	\$27,503	\$15,570	19		
20	GT&S Revenue Sharing Mechanism (4)	(\$42,003) (4)	(\$21,001)	(\$21,001)	(\$42,003) (4)	(\$21,001)	(\$21,002)	20		
21	Mobile Home Park Balancing Account	\$24,222	\$23,355	\$867	\$24,222	\$23,379	\$843	21		
22	Subtotal Transportation Balancing Accounts	\$335,282	\$355,179	(\$19,897)	\$335,282	\$355,229	(\$19,949)	22		
PUBLIC PURPOSE PROGRAM (PPP) SURCHARGE BALANCING ACCOUNTS (5)										
23	PPP-Energy Efficiency	(\$15,372)	(\$10,551)	(\$4,821)	(\$15,372)	(\$10,551)	(\$4,821)	23		
24	PPP-Low Income Energy Efficiency	(\$58,736)	(\$58,736)	\$0	(\$58,736)	(\$58,736)	\$0	24		
25	PPP-Research Development and Demonstration	(\$122)	(\$71)	(\$51)	(\$122)	(\$71)	(\$51)	25		
26	California Alternate Rates for Energy Account	(\$21,731)	(\$11,879)	(\$9,852)	(\$21,731)	(\$11,879)	(\$9,852)	26		
27	Subtotal Public Purpose Program Balancing Accounts	(\$95,961)	(\$81,237)	(\$14,724)	(\$95,961)	(\$81,237)	(\$14,724)	27		
28	TOTAL BALANCING ACCOUNTS	\$239,321	\$273,942	(\$34,621)	\$239,321	\$273,992	(\$34,673)	28		

Footnotes:

- These balances are the forecasted balances as of December 2019. The December 2019 ending balances that were provided in the 2020 AGT AL 4200-G were the forecasted balances (based on recorded balances as of November 2019 with a forecast of December 2019 activity).
- This amount reflects the total forecast balance of the AB 32 Cost of Implementation Fee Core subaccount in the CFCA and the Noncore subaccount of the NCA. The total forecast balance is allocated on an equal-cents-per therm basis.
- Noncore portion of NGSS Enduser Depreciation/Decommissioning undercollection as shown on line 9 of Attachment H, Table 2 (\$5.8M annual RRQ) is included.
- The balance shown is the November 30, 2019 recorded balance in the Backbone and Local Transmission Subaccounts of the GTSRSM. The December recorded balances will be transferred evenly (50/50) to the CFCA and NCA after the approval of the AGT advice letter. The balance in the Local Transmission subaccount will be allocated to all end use customers except for industrial backbone and electric generation backbone customers. See the GTSRSM summary in Advice 4166-G for more detail.
- The PPP-related balances (based on Sept 2019 recorded) were included in the 2020 PPP Gas Surcharge filed in AL 4174-G on October 31, 2019.

Notes:

A positive balance represents an under-collection. A negative balance represents an over-collection.
Some numbers may not add precisely due to rounding.

Attachment 3

3/1/2020

Illustrative Class Average Rates (\$/th)

Line No.	Customer Class	Present	First Year Impacts			Illustrative Second Year Impact			
		Includes 1/2020 Implementation of GCAP G-PPPS	Implementation of GCAP Transportation and Procurement Ratemaking			Stand-alone impact of Structural Core Undercollection 70% Eliminated (1)			
		January 1, 2020	Final Dec Fil	March 1, 2020	\$ Change	% Change	January 1, 2021	\$ Change	% Change
1	BUNDLED—RETAIL CORE*								
2	Residential Non-CARE**	\$1.590		\$1.693	\$0.103	6.5%	\$1.617	(\$0.076)	-4.5%
3	Small Commercial Non-CARE**	\$1.150		\$1.233	\$0.083	7.2%	\$1.192	(\$0.041)	-3.4%
4	Large Commercial**	\$0.804		\$0.867	\$0.064	7.9%	\$0.850	(\$0.018)	-2.0%
5	Uncompressed Core NGV	\$0.691		\$0.826	\$0.135	19.5%	\$0.808	(\$0.018)	-2.2%
6	Compressed Core NGV	\$2.225		\$2.519	\$0.294	13.2%	\$2.378	(\$0.141)	-5.6%
7	TRANSPORT ONLY—RETAIL CORE								
8	Residential Non-CARE**	\$1.271		\$1.346	\$0.076	6.0%	\$1.271	(\$0.076)	-5.6%
9	Small Commercial Non-CARE**	\$0.848		\$0.907	\$0.059	7.0%	\$0.865	(\$0.041)	-4.6%
10	Large Commercial**	\$0.530		\$0.578	\$0.047	8.9%	\$0.560	(\$0.018)	-3.0%
11	Uncompressed Core NGV	\$0.420		\$0.541	\$0.121	28.8%	\$0.523	(\$0.018)	-3.3%
12	Compressed Core NGV	\$1.954		\$2.233	\$0.279	14.3%	\$2.092	(\$0.141)	-6.3%
13	TRANSPORT ONLY—RETAIL NONCORE								
14	Industrial – Distribution	\$0.359		\$0.399	\$0.040	11.2%	\$0.397	(\$0.002)	-0.6%
15	Industrial – Transmission	\$0.202		\$0.201	(\$0.001)	-0.3%	\$0.198	(\$0.002)	-1.2%
16	Industrial – Backbone	\$0.092		\$0.093	\$0.001	0.8%	\$0.091	(\$0.002)	-2.6%
17	Uncompressed Noncore NGV – Distribution	\$0.329		\$0.369	\$0.040	12.2%	\$0.367	(\$0.002)	-0.6%
18	Uncompressed Noncore NGV – Transmission	\$0.184		\$0.185	\$0.001	0.3%	\$0.182	(\$0.002)	-1.3%
19	Electric Generation – Distribution/Transmission	\$0.154		\$0.153	(\$0.001)	-0.5%	\$0.153	\$0.000	0.0%
20	Electric Generation – Backbone	\$0.053		\$0.052	(\$0.001)	-1.8%	\$0.052	\$0.000	0.0%
21	TRANSPORT ONLY—WHOLESALE								
22	Alpine Natural Gas (T)	\$0.101		\$0.101	(\$0.000)	-0.5%	\$0.101	\$0.000	0.0%
23	Coalinga (T)	\$0.102		\$0.101	(\$0.000)	-0.5%	\$0.101	\$0.000	0.0%
24	Island Energy (T)	\$0.111		\$0.110	(\$0.000)	-0.4%	\$0.110	\$0.000	0.0%
25	Palo Alto (T)	\$0.099		\$0.098	(\$0.000)	-0.5%	\$0.098	\$0.000	0.0%
26	West Coast Gas – Castle (D)	\$0.282		\$0.319	\$0.037	13.0%	\$0.319	\$0.000	0.0%
27	West Coast Gas – Mather (D)	\$0.337		\$0.470	\$0.134	39.7%	\$0.470	\$0.000	0.0%
28	West Coast Gas – Mather (T)	\$0.103		\$0.102	(\$0.000)	-0.5%	\$0.102	\$0.000	0.0%

(1) The chronic undercollections in core balancing accounts related to the outdated throughput forecast will end after the GCAP rates are in effect for one year. With a March 1, 2020 implementation, PG&E illustratively estimates that 70% of the \$250 million annual structural core undercollection will be eliminated in the 2021 AGT, including a secondary reduction in CARE program shortfalls. Other contributors to undercollected balancing accounts include late implementation of cases like GRC or warmer than normal weather. The total CFCA-Distribution undercollection in the 2020 AGT is \$293.9 million.

* Illustrative Bundled Rates incorporate an illustrative procurement revenue requirement as filed in PG&E's 2020 AGT (AL 4200-G).

** CARE customers receive a 20 % discount on transportation and procurement and are exempt from CARE and CSI Solar Water Heater rate components.

3/2020 GCAP impact on monthly average non-CARE residential gas bill using 32 therms is \$3.30. 1/1/2021 forecast impact on monthly average non-CARE residential gas bill is \$-2.42(reduction).

3/2020 GCAP impact on monthly average small commercial gas bill using 281 therms is \$23.34. 1/1/2021 forecast impact on monthly average small commercial gas bill is \$-11.65 (reduction).

ATTACHMENT 4

3/1/2020

**AVERAGE END-USER GAS TRANSPORTATION RATES AND PUBLIC PURPOSE PROGRAM SURCHARGES
(\$/th; Annual Class Averages)⁽³⁾**

Line No.	Customer Class	January 1, 2020 Final Dec Filing			March 2020			Percentage Change from January 1, 2020 Final Dec Filing		
		Transportation ⁽¹⁾⁽⁵⁾	G-PPPS ⁽²⁾	Total	Transportation	G-PPPS	Total	Transportation	G-PPPS	Total
RETAIL CORE										
1	Residential Non-CARE ⁽⁴⁾	\$1.234	\$0.037	\$1.271	\$1.310	\$0.037	\$1.346	6.1%	0.0%	6.0%
2	Small Commercial Non-CARE ⁽⁴⁾	\$0.789	\$0.059	\$0.848	\$0.848	\$0.059	\$0.907	7.5%	0.0%	7.0%
3	Large Commercial	\$0.481	\$0.049	\$0.530	\$0.529	\$0.049	\$0.578	9.8%	0.0%	8.9%
4	NGV1 - (uncompressed service)	\$0.392	\$0.029	\$0.420	\$0.512	\$0.029	\$0.541	30.9%	0.0%	28.8%
5	NGV2 - (compressed service)	\$1.925	\$0.029	\$1.954	\$2.205	\$0.029	\$2.233	14.5%	0.0%	14.3%
RETAIL NONCORE (6)										
6	Industrial - Distribution	\$0.301	\$0.059	\$0.359	\$0.341	\$0.059	\$0.399	13.3%	0%	11.2%
7	Industrial - Transmission	\$0.164	\$0.037	\$0.202	\$0.164	\$0.037	\$0.201	(0.4%)	0.0%	(0.3%)
8	Industrial - Backbone	\$0.055	\$0.037	\$0.092	\$0.056	\$0.037	\$0.093	1.3%	0.0%	0.8%
9	Electric Generation - Transmission (G-EG-D/LT)	\$0.154		\$0.154	\$0.153		\$0.153	(0.5%)		(0.5%)
10	Electric Generation - Backbone (G-EG-BB)	\$0.053		\$0.053	\$0.052		\$0.052	(1.8%)		(1.8%)
11	NGV 4 - Distribution (uncompressed service)	\$0.301	\$0.029	\$0.329	\$0.341	\$0.029	\$0.369	13.3%	0.0%	12.2%
12	NGV 4 - Transmission (uncompressed service)	\$0.155	\$0.029	\$0.184	\$0.156	\$0.029	\$0.185	0.4%	0.0%	0.3%
WHOLESALE CORE AND NONCORE (G-WSL) (6)										
13	Alpine Natural Gas	\$0.101		\$0.101	\$0.101		\$0.101	(0.5%)		(0.5%)
14	Coalinga	\$0.102		\$0.102	\$0.101		\$0.101	(0.5%)		(0.5%)
15	Island Energy	\$0.111		\$0.111	\$0.110		\$0.110	(0.4%)		(0.4%)
16	Palo Alto	\$0.099		\$0.099	\$0.098		\$0.098	(0.5%)		(0.5%)
17	West Coast Gas - Castle	\$0.282		\$0.282	\$0.319		\$0.319	13.0%		13.0%
18	West Coast Gas - Mather Distribution	\$0.337		\$0.337	\$0.470		\$0.470	39.7%		39.7%
19	West Coast Gas - Mather Transmission	\$0.103		\$0.103	\$0.102		\$0.102	(0.5%)		(0.5%)

- (1) Transportation Only rates include: i) a transportation component that recovers customer class charges, customer access charges, CPUC fees, local transmission (where applicable), distribution costs (where applicable), and AB32 Cost of Implementation Fee (wholesale and certain large customers are directly billed by the Air Resource board, and are exempt from PG&E's AB32 COI rate component of \$0.00176 per therm). Transport only customers must arrange for their own gas purchases and transportation to PG&E's citygate/local transmission system.
- (2) D. 04-08-010 authorized PG&E to remove the gas public purpose program surcharge that recovers the costs of low income California Alternate Rates for Energy (CARE), low income energy efficiency, energy efficiency, Research Development and Demonstration program and BOE/CPUC Administration costs from transportation rates and into its own separate surcharge tariff. Certain customers are exempt from paying the PPP surcharge; see tariff G-PPPS for details. G-PPPS rates are determined annually in PG&E's PPP Filing.
- (3) Rates are rounded to 3 decimals for viewing ease. Percentage rate changes are calculated on a 5-digit basis.
- (4) CARE Customers receive a 20% discount off of PG&E's total bundled rate and are exempt from the CARE portion of PG&E's Public Purpose Program Surcharge (G-PPPS) rates and cost recovery of the California Solar Initiative Thermal Program.
- (5) Billed Transportation rates paid by all customers include an additional GHG Compliance Cost of \$0.05161 and Operational Cost component of \$0.00243
- (6) Covered Entities within classes and the wholesale class (i.e. customers that currently have a direct obligation to pay for allowances directly to the Air Resources Board) will see a line item credit on their bill equal to the GHG Compliance Cost \$0.05161 per therm times their monthly billed volumes.

Attachment 5

3/1/2020

ALLOCATION OF GAS END-USE TRANSPORTATION AND ILLUSTRATIVE PROCUREMENT REVENUE REQUIREMENTS AND PPP SURCHARGE REVENUES ACROSS CLASSES (\$000)

Line No.	GAS GRC, ATTRITION, PENSION & COST OF CAPITAL DISTRIBUTION-LEVEL REVENUE REQUIREMENTS	Total	Residential					Subtotal Core	Industrial					EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
			Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Industrial Distribution		Industrial Transmission	Industrial Backbone										
1	Customer	\$1,124,078	\$914,397	\$195,452	\$2,735	\$779	\$0	\$1,113,362	\$9,165	\$370	\$0	\$633	\$548	\$0	\$0	\$0	\$0	\$0	\$0	\$10,716
2	+ Distribution	\$830,098	\$604,806	\$151,682	\$9,079	\$5,102	\$0	\$770,668	\$44,588	\$13,470	\$0	\$521	\$451	\$0	\$243	\$156	\$0	\$0	\$59,430	
3	+ G-NGV2 Compression Cost	\$5,155	\$0	\$0	\$0	\$0	\$5,155	\$5,155	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4	Allocation of Base Distribution Revenue and Franchise Fees	\$19,475	\$15,100	\$3,450	\$117	\$58	\$51	\$18,778	\$534	\$138	\$0	\$11	\$10	\$0	\$2	\$2	\$0	\$0	\$697	
5	Allocation of Base Distribution Uncollectibles Expense	\$6,721	\$5,213	\$1,191	\$41	\$20	\$18	\$6,482	\$184	\$47	\$0	\$4	\$3	\$0	\$0	\$0	\$0	\$0	\$239	
6	Final Allocation of Distribution Revenue Requirement	\$1,985,527	\$1,539,515	\$351,775	\$11,971	\$5,959	\$5,224	\$1,914,445	\$54,472	\$14,026	\$0	\$1,170	\$1,012	\$0	\$246	\$158	\$0	\$0	\$71,083	
7	Distribution-Level Revenue Requirement Allocation %	100.0000%	77.5368%	17.7170%	0.6029%	0.3001%	0.2631%	96.4200%	2.7435%	0.7064%	0.0000%	0.0589%	0.0510%	0.0000%	0.0124%	0.0079%	0.0000%	0.0000%	3.5800%	

Total Core Brokerage Fee (w/out F&U) (5,262) (5,332) With F&U

Line No.	CUSTOMER CLASS COSTS WITHOUT RATE COMPONENTS	Total	Residential					Subtotal Core	Industrial					EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
			Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Industrial Distribution		Industrial Transmission	Industrial Backbone										
8	Core Fixed Cost Acct. Bal. - Distribution Cost Subaccount	\$293,862	\$236,311	\$53,997	\$1,838	\$915	\$802	\$293,862	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
9	Core Fixed Cost Acct. Bal. - Core Cost Subaccount - ECPT (2016 PSEP Bal)	\$3,470	\$2,338	\$1,001	\$88	\$42	\$0	\$3,470	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
10	Mobile Home Parks Balancing Account	\$24,222	\$18,781	\$4,291	\$146	\$73	\$64	\$23,355	\$665	\$171	\$0	\$14	\$12	\$0	\$3	\$2	\$0	\$0	\$867	
11	Noncore Customer Class Charge Account - ECPT	(\$22,624)	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,489)	(\$10,317)	(\$105)	(\$5,611)	(\$4,854)	(\$48)	(\$5)	(\$4)	(\$192)	(\$22,624)		
12	Noncore Customer Class Charge Account - Distribution Subacct	(\$12,223)	\$0	\$0	\$0	\$0	\$0	\$0	(\$9,367)	(\$2,412)	\$0	(\$201)	(\$174)	\$0	(\$42)	(\$27)	\$0	(\$12,223)		
13	Natural Gas Leak Abatement Program Balancing Account (Transportation)	(\$884)	(\$243)	(\$104)	(\$9)	(\$4)	\$0	(\$360)	(\$34)	(\$239)	(\$2)	(\$130)	(\$112)	(\$1)	(\$0)	(\$0)	(\$5)	(\$524)		
14	CFCA - NGSS Enduser Dist. Sub Acct Recovery	\$25,145	\$20,221	\$4,620	\$157	\$78	\$69	\$25,145	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
15	Gas Pipeline Expense & Capital BA (2016 is for CPUC Reimb sub)	\$2	\$1	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1		
16	Hazardous Substance Balance	\$68,836	\$18,909	\$8,097	\$712	\$343	\$0	\$28,062	\$2,683	\$18,594	\$189	\$10,112	\$8,748	\$86	\$9	\$6	\$347	\$40,774		
17	Non-Tariffed Products and Services	(\$325)	(\$219)	(\$94)	(\$8)	(\$4)	\$0	(\$325)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
18	Core Brokerage Fee Credit (Gas Brokerage Costs w/o FF&U)	(\$4,430)	(\$2,985)	(\$1,278)	(\$112)	(\$54)	\$0	(\$4,430)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
19	Core Brokerage Fee Credit (Sales/Marketing Costs w/o FF&U)	(\$832)	(\$656)	(\$174)	(\$2)	(\$1)	\$0	(\$832)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
20	Natural Gas Leak Abatement Program Balancing Account (Distribution)	(\$1,636)	(\$1,269)	(\$290)	(\$10)	(\$5)	(\$4)	(\$1,578)	(\$45)	(\$12)	\$0	(\$1)	(\$1)	\$0	(\$0)	(\$0)	\$0	(\$59)		
21	Balancing Charge Account	(\$2,029)	(\$557)	(\$239)	(\$21)	(\$10)	\$0	(\$827)	(\$79)	(\$548)	(\$6)	(\$298)	(\$258)	(\$3)	(\$0)	(\$0)	(\$10)	(\$1,202)		
22	G-10 Procurement-related Employee Discount Allocated	\$639	\$175	\$75	\$7	\$3	\$0	\$260	\$25	\$173	\$2	\$94	\$81	\$1	\$0	\$0	\$3	\$378		
23	Brokerage Fee Balance Account	\$964	\$650	\$278	\$24	\$12	\$0	\$964	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
24	Adjust. Mechanism Costs Determined Other Proceedings	(\$55,724)	(\$18,774)	(\$8,040)	(\$707)	(\$341)	\$0	(\$27,862)	(\$1,833)	(\$12,706)	(\$129)	(\$6,910)	(\$5,978)	(\$59)	(\$6)	(\$4)	(\$237)	(\$27,862)		
25	G-10 Procurement-related Employee Discount Applied to Res Class	(\$639)	(\$639)	\$0	\$0	\$0	\$0	(\$639)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
26	New Environmental Regulations Balancing Account(Distribution)	\$19,988	\$15,498	\$3,541	\$121	\$60	\$53	\$19,272	\$548	\$141	\$0	\$12	\$10	\$0	\$2	\$2	\$0	\$716		
27	New Environmental Regulations Balancing Account(Transportation)	(\$1,539)	(\$423)	(\$181)	(\$16)	(\$8)	\$0	(\$627)	(\$60)	(\$416)	(\$4)	(\$226)	(\$196)	(\$2)	(\$0)	(\$0)	(\$8)	(\$912)		
28	Gas Operational Cost Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
29	GT&S Ex-Parte Penalty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
30	GT&S Revenue Sharing Mechanism	(\$42,003)	(\$14,151)	(\$6,060)	(\$533)	(\$257)	\$0	(\$21,001)	(\$1,327)	(\$9,197)	(\$111)	(\$5,002)	(\$5,143)	(\$43)	(\$5)	(\$3)	(\$171)	(\$21,001)		
31	CFCA/NCA - NGSS Enduser Sub Acct Recovery	\$5,979	\$1,643	\$703	\$62	\$30	\$0	\$2,438	\$233	\$1,615	\$16	\$878	\$760	\$7	\$1	\$1	\$30	\$3,542		
32	Self Gen Incentive Program Forecast Period Cost	\$12,990	\$9	\$9,082	\$1,503	\$0	\$0	\$10,594	\$1,370	\$1,025	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,395		
33	NCA - NGSS Enduser Sub Acct Recovery + NGSS Late Impl.	\$11,949	\$0	\$0	\$0	\$0	\$0	\$0	\$826	\$5,679	\$58	\$2,530	\$2,717	\$26	\$3	\$2	\$107	\$11,949		
34	Engineering Critical Assessment Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
35	Subtotals of Items Transferred to CFCA and NCA	\$323,158	\$274,621	\$69,228	\$3,239	\$872	\$983	\$348,943	(\$7,884)	(\$8,448)	(\$92)	(\$4,738)	(\$4,387)	(\$34)	(\$41)	(\$26)	(\$136)	(\$25,785)		
36	Franchise Fees and SF Gross Receipts and Uncoll. Exp. on Items Above	\$3,746	\$3,379	\$854	\$40	\$10	\$12	\$4,297	(\$120)	(\$210)	(\$2)	(\$109)	(\$105)	(\$1)	(\$0)	(\$0)	(\$3)	(\$551)		
37	Subtotals with FF&U and Other Bal. Acct./Forecast Period Costs	\$326,904	\$278,000	\$70,083	\$3,279	\$883	\$995	\$353,240	(\$8,003)	(\$8,658)	(\$94)	(\$4,847)	(\$4,492)	(\$35)	(\$41)	(\$27)	(\$139)	(\$26,336)		
38	Total of Items Collected via CFCA, NCA, and NDFCA	\$2,312,431	\$1,817,516	\$421,858	\$15,250	\$6,842	\$6,219	\$2,267,684	\$46,469	\$5,367	(\$94)	(\$3,677)	(\$3,480)	(\$35)	\$205	\$131	(\$139)	\$44,747		

Line No.	CUSTOMER CLASS COSTS WITH THEIR OWN RATE COMPONENTS ALLOCATED USING GCAP THROUGHPUT	Total	Residential					Subtotal Core	Industrial					EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
			Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Industrial Distribution		Industrial Transmission	Industrial Backbone										
39	CEE Incentive	\$2,937	\$994	\$965	\$57	\$0	\$0	\$2,016	\$318	\$597	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$921		
40	AB32 ARB Implementation Fee	\$8,438	\$3,164	\$1,354	\$119	\$57	\$0	\$4,695	\$449	\$3,109	\$32	\$56	\$83	\$14	\$0	\$0	\$0	\$3,743		
41	CA Solar Hot Water Heating	\$8,477	\$2,781	\$1,502	\$132	\$64	\$0	\$4,479	\$498	\$3,449	\$35	\$0	\$0	\$16	\$0	\$0	\$0	\$3,998		
42	AB32 GHG Operations Cost	\$15,856	\$4,356	\$1,865	\$164	\$79	\$0	\$6,464	\$618	\$4,283	\$43	\$2,329	\$2,015	\$20	\$2	\$1	\$80	\$9,392		
43	AB32 GHG Compliance Cost	\$172,852	\$92,682	\$39,458	\$3,295	\$1,683	\$0	\$137,118	\$12,936	\$17,812	\$142	\$1,211	\$3,210	\$422	\$0	\$0	\$0	\$35,734		
44	AB32 Cap & Trade - Allowance Return Residential Customers Only Includes FF&U	(\$159,288)	(\$159,288)	\$0	\$0	\$0	\$0	(\$159,288)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
45	CPUC FEE	\$12,453	\$4,495	\$1,922	\$169	\$82	\$0	\$6,668	\$638	\$4,420	\$45	\$355	\$307	\$20	\$0	\$0	\$0	\$5,786		
46	Subtotals for Customer Class Charge Items	\$61,726	(\$50,816)	\$47,066	\$3,937	\$1,965	\$0	\$2,152	\$15,456	\$33,671	\$303	\$3,952	\$5,615	\$492	\$2	\$1	\$80	\$59,574		
47	Franch. Fee and Uncoll. Exp. on Items Above	\$2,955	\$1,450	\$629	\$53	\$26	\$0	\$2,158	\$207	\$450	\$4	\$53	\$75	\$7	\$0	\$0	\$1	\$796		
48	Subtotals of Other Costs	\$64,681	(\$49,366)	\$47,695	\$3,989	\$1,992	\$0	\$4,311	\$15,663	\$34,121	\$307	\$4,005	\$5,690	\$499	\$2	\$2	\$81	\$60,370		
49	Allocation of Total Non-G&TS End-User Transportation Costs	\$2,377,112	\$1,768,150	\$469,553	\$19,240	\$8,833	\$6,219	\$2,271,995	\$62,132	\$39,488	\$213	\$328	\$2,210	\$464	\$207	\$132	(\$58)	\$105,117		

Attachment 5 (continued)

CUSTOMER CLASS COST FOR 2015 GTS LATE IMPL AMORT ALLOCATED BASED ON GAS ACCORD THROUGHPUT		Total	Residential	Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
50	Local Transmission Balancing Account	\$4,168	\$5,927	\$2,533	\$222	\$105	\$0	\$8,788	(\$447)	(\$3,029)	\$0	(\$1,069)	\$0	(\$14)	(\$2)	(\$1)	(\$58)	(\$4,620)
51	Backbone Transmission Balancing Account	\$6,595	\$9,096	\$3,888	\$341	\$161	\$0	\$13,487	(\$504)	(\$3,419)	(\$36)	(\$1,207)	(\$1,641)	(\$16)	(\$2)	(\$1)	(\$65)	(\$6,892)
52	Storage Balancing Account	\$43,007	\$27,914	\$11,930	\$1,048	\$495	\$0	\$41,387	\$119	\$804	\$8	\$284	\$386	\$4	\$0	\$0	\$15	\$1,620
53	Subtotal of Pipeline Safety Enhancement Cost	\$53,769	\$42,937	\$18,351	\$1,611	\$762	\$0	\$63,661	(\$833)	(\$5,645)	(\$27)	(\$1,993)	(\$1,255)	(\$27)	(\$3)	(\$2)	(\$108)	(\$9,892)

GT&S-related Pension Revenue Requirement		Total	Residential	Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
54	Pension - Transmission	\$18,013	\$7,098	\$3,039	\$267	\$129	\$0	\$10,533	\$556	\$3,854	\$19	\$2,096	\$863	\$18	\$2	\$1	\$72	\$7,480
55	Net End-User Transportation Excluding LT and CAC	\$2,448,894	\$1,818,185	\$490,943	\$21,118	\$9,724	\$6,219	\$2,346,190	\$61,855	\$37,698	\$205	\$431	\$1,818	\$455	\$206	\$132	(\$94)	\$102,705

ADOPTED REVENUE REQUIREMENTS ALLOCATIONS FOR GAS ACCORD ITEMS IN TRANSPORTATION		Total	Residential	Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
56	Local Transmission	856,625	397,193	169,757	14,906	7,049		588,905	25,894	175,526		61,962	0	830	91	63	3,355	267,720
57	Customer Access Charge	2,404	0	0	0			0	0	1,346	15	991	0		4	5	43	2,404
58	Total End-User Gas Accord Transportation Costs	859,029	397,193	169,757	14,906	7,049	0	588,905	25,894	176,872	15	62,953	0	830	95	68	3,398	270,125
59	Gross End-User Transportation Costs in Rates	3,307,924	2,215,378	660,700	36,024	16,774	6,219	2,935,094	87,749	214,570	220	63,384	1,818	1,286	301	199	3,304	372,830
60	Less Forecast CARE Discount recovered in PPP Surcharges	129,374	129,374					129,374										0
61	Net End-User Transportation Costs in Rates	3,178,550	2,086,003	660,700	36,024	16,774	6,219	2,805,720	87,749	214,570	220	63,384	1,818	1,286	301	199	3,304	372,830

ALLOCATION OF PUBLIC PURPOSE PROGRAM SURCHARGES		Total	Residential	Small Commercial	Large Commercial	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG D/T	EG BB	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
62	PPP-EE Surcharge	85,612	28,971	28,132	1,661	0		58,764	9,263	17,408	177			0				26,848
63	PPP-EE Balancing Account	(15,372)	(5,202)	(5,051)	(298)	0		(10,551)	(1,663)	(3,126)	(32)			0				-4,821
64	PPP-ESA Surcharge	49,359	49,359	0	0	0		49,359	0	0	0			0				0
65	PPP-ESA Balancing Account	(58,736)	(58,736)	0	0	0		(58,736)	0	0	0			0				0
66	PPP - RD&D Programs	9,818	3,879	1,639	144	69		5,731	538	3,495	35			18				4,086
67	PPP - RD&D Balancing Account	(122)	(48)	(20)	(2)	(1)		(71)	(7)	(43)	(0)			(0)				-51
68	PPP-CARE Discount Allocation Set Annually	129,374	44,133	23,519	2,072	996		70,720	7,720	50,172	510			254				58,655
69	PPP-CARE Administration Expense	3,772	1,287	686	60	29		2,062	225	1,463	15			7				1,710
70	PPP-CARE Balancing Account	(21,731)	(7,413)	(3,950)	(348)	(167)		(11,879)	(1,297)	(8,427)	(86)			(43)				-9,852
71	PPP-Admin Cost for BOE and CPUC	477	188	80	7	3		278	26	170	2			1				199
72	PPP-ESA Statewide ME&O	40	40	0	0	0		40	0	0	0			0				0
73	Subtotal of Public Purpose Program Surcharge	\$182,490	\$56,457	\$45,033	\$3,297	\$929		\$105,716	\$14,805	\$61,111	\$621	\$0	\$0	\$237	\$0	\$0	\$0	\$76,774

ILLUSTRATIVE ALLOCATION OF GAS PROCUREMENT REVENUE REQUIREMENTS		Total	Residential	Small Commercial	0	Core NGV	Compression Cost for G-NGV2	Subtotal Core
74	Illustrative Core Bundled Cost of Gas, Shrinkage, and FF&U	424,072	321,689	88,600	7,246	6,537		424,072
75	Illustrative Interstate and Canadian Capacity Charges	107,193	85,502	19,797	1,026	868		107,193
76	Intrastate Volumetric and Backbone	148,420	116,552	28,550	1,773	1,545		148,420
77	Cycled Carrying Cost of Gas in Storage	1,429	1,084	299	24	22		1,429
78	Core Storage and Noncycled Carrying Cost of Gas in Storage	44,041	35,189	8,013	457	382		44,041
79	Brokerage Fees	5,332	4,045	1,114	91	82		5,332
Reconciling Item: Bundled Procurement Revenue Reduced by this amount due to CTA's Acceptance		60,556	48,303	11,170	587	496		60,556
81	Total Authorized Illustrative Procurement RRO	\$791,044	\$612,364	\$157,543	\$11,205	\$9,932	\$0	\$791,044

82	Unbundled Gas Transmission and Storage Revenue Requirement	\$308,837																	308,837
83	Total Allocated Illustrative Revenue Requirement	4,460,921	2,754,825	863,276	50,526	27,635	6,219	3,702,480	102,555	275,681	840	63,384	1,818	1,522	301	199	3,304	758,441	
TOTAL GAS REVENUE REQUIREMENT AND PPPS FUNDING REQUIREMENT IN RATES																			
84	Total Transportation, PPPS, and Unbundled Costs	4,460,921	(Total of lines 65, 78, and 79)																761,744
85	Cross-check with Gas Revenue Requirement Wkppr Including Core Procurement	4,460,921																	(3,304)
86	Difference	0																	

87	Adopted GCAP Annual Throughput Volumes	6,625,370	1,819,971	779,366	68,530	33,055	0		258,205	1,789,672	18,175	973,252	841,986	8,283	901	624	34,876	0
----	--	-----------	-----------	---------	--------	--------	---	--	---------	-----------	--------	---------	---------	-------	-----	-----	--------	---

Attachment 6

CHANGES IN ALLOCATION OF REVENUE REQUIREMENT FROM 01/1/2020 AGT Oct filing RESULTING FROM APPLICATION OF ADOPTED GCAP METHODOLOGIES
 GAS END-USE TRANSPORTATION AND ILLUSTRATIVE PROCUREMENT REVENUE REQUIREMENTS AND PUBLIC PURPOSE PROGRAM SURCHARGE REVENUES ACROSS CLASSES

Line No.	GAS GRC, ATTRITION, PENSION & COST OF CAPITAL DISTRIBUTION-LEVEL REVENUE REQUIREMENTS	Total	Residential*		Small Commercial*		Large Commercial*		Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
1	Customer	\$55,362	(\$18,027)	\$71,193	\$76	\$671	\$0	\$53,912	\$2,587	(\$4)	\$0	(\$1,133)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,450
2	+ Distribution	(\$57,396)	(\$14,142)	(\$47,629)	\$284	\$3,610	\$0	(\$57,878)	\$6,692	(\$904)	\$0	(\$5,392)	\$0	\$69	\$17	\$0	\$0	\$0	\$482	
3	+ G-NGV2 Compression Cost	\$2,034	\$0	\$0	\$0	\$0	\$2,034	\$2,034	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4	Allocation of Base Distribution Franchise Fees	\$0	(\$320)	\$234	\$4	\$43	\$20	(\$19)	\$92	(\$9)	\$0	(\$65)	\$0	\$1	\$0	\$0	\$0	\$0	\$19	
5	Allocation of Base Distribution Uncollectibles Expense	\$0	(\$110)	\$81	\$1	\$15	\$7	(\$6)	\$32	(\$3)	\$0	(\$22)	\$0	\$0	\$0	\$0	\$0	\$0	\$6	
6	Final Allocation of Distribution Revenue Requirement	\$0	(\$32,600)	\$23,879	\$365	\$4,338	\$2,061	(\$1,958)	\$9,403	(\$919)	\$0	(\$6,612)	\$0	\$70	\$17	\$0	\$0	\$0	\$1,958	
7	Distribution-Level Revenue Requirement Allocation %	0.00000%	-1.64%	1.20%	0.02%	0.22%	0.10%	-0.10%	0.47%	-0.05%	0.00%	-0.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	
CUSTOMER CLASS COSTS WITHOUT RATE COMPONENTS																				
	Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale				
8	Core Fixed Cost Acct. Bal. - Distribution Cost Subaccount	\$0	(\$4,757)	\$3,717	\$58	\$666	\$317	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
9	Core Fixed Cost Acct. Bal. - Core Cost Subaccount - ECPT (2016 PSEP)	\$0	(\$70)	\$53	(\$1)	\$18	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
10	Mobile Home Parks Balancing Account	\$0	(\$398)	\$291	\$4	\$53	\$25	(\$24)	\$115	(\$11)	\$0	(\$81)	\$0	\$1	\$0	\$24				
11	Noncore Customer Class Charge Account - ECPT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$165)	(\$3,012)	(\$46)	\$3,256	(\$21)	(\$0)	(\$12)	\$0				
12	Noncore Customer Class Charge Account - Distribution Subacct	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,397)	\$231	\$0	\$1,180	\$0	(\$11)	(\$2)	\$0				
13	Natural Gas Leak Abatement Program Balancing Account (Transportation)	(\$0)	(\$1)	(\$9)	(\$0)	(\$2)	\$0	(\$12)	(\$3)	(\$66)	(\$1)	\$82	(\$0)	\$0	(\$0)	\$12				
14	CFCA - NGSS Enduser Dist. Sub Acct Recovery	\$0	(\$407)	\$318	\$5	\$57	\$27	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
15	Gas Pipeline Expense & Capital BA (2016 is for CPUC Reimb sub)	\$0	(\$0)	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0	(\$0)	\$0	\$0	\$0	\$0	\$0				
16	Hazardous Substance Balance	\$0	\$71	\$676	\$14	\$154	\$0	\$915	\$243	\$5,133	\$80	(\$6,422)	\$37	(\$0)	\$0	\$14				
17	Non-Tariffed Products and Services	\$0	\$7	(\$5)	\$0	(\$2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
18	Core Brokerage Fee Credit (Gas Brokerage Costs w/o FF&U)	\$1,039	\$810	\$217	\$28	(\$16)	\$0	\$1,039	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
19	Core Brokerage Fee Credit (Sales/Marketing Costs w/o FF&U)	\$0	\$249	(\$54)	\$1	(\$0)	\$0	\$195	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
20	Natural Gas Leak Abatement Program Balancing Account (Distribution)	\$0	\$27	(\$20)	(\$0)	(\$4)	(\$2)	\$2	(\$8)	\$1	\$0	\$5	\$0	(\$0)	(\$0)	\$2				
21	Balancing Charge Account	\$0	(\$2)	(\$20)	(\$0)	(\$5)	\$0	(\$27)	(\$7)	(\$151)	(\$2)	\$189	(\$1)	\$0	(\$0)	\$27				
22	G-10 Procurement-related Employee Discount Allocated	(\$22)	(\$5)	\$4	(\$0)	\$1	\$0	(\$0)	\$1	\$43	\$1	(\$67)	\$0	(\$0)	(\$0)	(\$22)				
23	Brokerage Fee Balance Account	\$0	(\$19)	\$15	(\$0)	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
24	Adjust. Mechanism Costs Determined Other Proceedings	\$0	\$559	(\$423)	\$10	(\$147)	\$0	\$0	(\$203)	(\$3,709)	(\$56)	\$4,009	(\$26)	(\$0)	(\$14)	\$0				
25	G-10 Procurement-related Employee Discount Applied to Res Class	\$22	\$22	\$0	\$0	\$0	\$22	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
26	New Environmental Regulations Balancing Account(Distribution)	\$0	(\$328)	\$240	\$4	\$44	\$21	(\$20)	\$95	(\$9)	\$0	(\$67)	\$0	\$1	\$0	\$20				
27	New Environmental Regulations Balancing Account(Transportation)	\$0	(\$2)	(\$15)	(\$0)	(\$3)	\$0	(\$20)	(\$5)	(\$115)	(\$2)	\$144	(\$1)	\$0	(\$0)	\$20				
28	Gas Operational Cost Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
29	GT&S Ex-Parte Penalty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
30	GT&S Revenue Sharing Mechanism	\$0	\$422	(\$318)	\$7	(\$110)	\$0	\$0	(\$156)	(\$2,737)	(\$48)	\$2,973	(\$19)	(\$0)	(\$12)	\$0				
31	CFCA/NCA - NGSS Enduser Sub Acct Recovery	\$0	\$6	\$59	\$1	\$13	\$0	\$79	\$21	\$446	\$7	(\$558)	\$3	(\$0)	\$0	\$1				
32	Self Gen Incentive Program Forecast Period Cost	\$0	(\$3,564)	\$7,675	\$1,370	(\$36)	\$0	\$5,445	\$908	(\$1,528)	(\$21)	(\$4,795)	(\$9)	\$0	\$0	(\$5,445)				
33	NCA - NGSS Enduser Sub Acct Recovery + NGSS Late Impl.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42	\$815	\$12	(\$878)	\$6	\$0	\$3	\$0				
34	Engineering Critical Assessment Balancing Account	\$1,636	\$1,296	\$270	\$10	\$1	\$3	\$1,579	\$37	\$12	\$0	\$7	\$0	\$0	\$0	\$57				
35	Subtotals of Items Transferred to CFCA and NCA	\$1,234	(\$7,381)	\$12,400	\$1,499	\$687	\$388	\$7,594	(\$520)	(\$4,670)	(\$76)	(\$1,029)	(\$32)	(\$10)	(\$2)	(\$6,360)				
36	Franchise Fees and SF Gross Receipts and Uncoll. Exp. on Items Above	\$17	(\$93)	\$161	\$20	\$8	\$5	\$100	(\$5)	(\$79)	(\$1)	\$5	(\$1)	(\$0)	(\$0)	(\$94)				
37	Subtotals with FF&U and Other Bal. Acct./Forecast Period Costs	\$1,250	(\$7,474)	\$12,561	\$1,519	\$695	\$393	\$7,694	(\$525)	(\$4,749)	(\$78)	(\$1,024)	(\$32)	(\$10)	(\$2)	(\$6,444)				
38	Total of Items Collected via CFCA, NCA, and NDCA	\$1,250	(\$40,074)	\$36,440	\$1,884	\$5,033	\$2,454	\$5,737	\$8,875	(\$5,669)	(\$78)	(\$7,636)	(\$32)	\$60	\$15	(\$21)	(\$4,486)			
CUSTOMER CLASS COSTS WITH THEIR OWN RATE COMPONENTS ALLOCATED USING GCAP THROUGHPUT																				
	Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale				
39	CEE Incentive	\$0	(\$1,569)	\$624	\$50	(\$0)	(\$896)	\$300	\$596	\$6	(\$6)	\$0	\$0	\$0	\$0	\$896				
40	AB32 ARB Implementation Fee	\$0	\$242	\$204	\$11	\$28	\$0	\$485	\$71	\$1,024	\$15	(\$1,602)	\$7	\$0	\$0	(\$485)				
41	CA Solar Hot Water Heating	\$0	(\$440)	(\$99)	(\$19)	\$23	\$0	(\$534)	(\$28)	\$546	\$12	\$0	\$5	\$0	\$0	\$534				
42	AB32 GHG Operations Cost	\$0	\$16	\$156	\$3	\$35	\$0	\$211	\$56	\$1,182	\$18	(\$1,479)	\$9	(\$0)	\$0	\$3				
43	AB32 GHG Compliance Cost	\$0	(\$4,412)	\$1,427	(\$103)	\$707	\$0	(\$2,381)	\$568	\$4,252	\$56	(\$2,664)	\$169	\$0	\$0	\$2,381				
44	AB32 Cap & Trade - Allowance Return Residential Customers Only Inclu	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				
45	CPUC FEE	\$793	(\$472)	(\$32)	(\$15)	\$32	\$0	(\$487)	(\$5)	\$871	\$16	\$391	\$8	\$0	\$0	\$1,280				
46	Subtotals for Customer Class Charge Items	\$793	(\$6,634)	\$2,280	(\$73)	\$825	\$0	(\$3,602)	\$960	\$8,472	\$123	(\$5,361)	\$198	(\$0)	\$0	\$3				
47	Franch. Fee and Uncoll. Exp. on Items Above	\$11	(\$89)	\$30	(\$1)	\$11	\$0	(\$48)	\$13	\$113	\$2	(\$72)	\$3	(\$0)	\$0	\$59				
48	Subtotals of Other Costs	\$803	(\$6,723)	\$2,310	(\$74)	\$836	\$0	(\$3,650)	\$973	\$8,585	\$125	(\$5,432)	\$200	(\$0)	\$0	\$3				
49	Allocation of Total Transportation Costs Excluding GT&S	\$2,054	(\$46,797)	\$38,750	\$1,810	\$5,869	\$2,454	\$2,086	\$9,848	\$2,916	\$47	(\$13,068)	\$168	\$60	\$15	(\$18)	(\$32)			

Attachment 6 (continued)

CUSTOMER CLASS COST FOR 2019 GTS LATE IMPL AMORT ALLOCATED BASED ON GAS ACCORD THROUGHPUT		Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
50	Local Transmission Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
51	Backbone Transmission Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
52	Storage Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
53	Subtotal of Pipeline Safety Enhancement Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

RECONCILIATION WITH REVENUE REQUIREMENTS TABLE FOR END-USER TRANSPORTATION TOTALS		Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
54	Pension - Transmission	\$0	(\$211)	\$160	(\$4)	\$55	\$0	\$0	\$51	\$1,065	\$8	(\$1,134)	\$8	(\$0)	\$0	\$3	\$0
55	Net End-User Transportation Excluding LT and CAC	\$2,054	(\$47,008)	\$38,910	\$1,807	\$5,924	\$2,454	\$2,086	\$9,899	\$3,981	\$55	(\$14,202)	\$176	\$60	\$15	(\$15)	(\$32)

ADOPTED REVENUE REQUIREMENTS ALLOCATIONS FOR GAS ACCORD ITEMS IN TRANSPORTATION		Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
56	Local Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Customer Access Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Total End-User Gas Accord Transportation Costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Gross End-User Transportation Costs in Rates	2,054	(47,008)	38,910	1,807	5,924	2,454	2,086	9,899	3,981	55	(14,202)	176	60	15	(15)	(32)
60	Less Forecast CARE Discount recovered in PPP Surcharges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	Net End-User Transportation Costs in Rates	2,054	(47,008)	38,910	1,807	5,924	2,454	2,086	9,899	3,981	55	(14,202)	176	60	15	(15)	(32)

ALLOCATION OF PUBLIC PURPOSE PROGRAM SURCHARGES		Total	Residential*	Small Commercial*	Large Commercial*	Core NGV	Compression Cost for G-NGV2	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	WC Gas Mather**	WC Gas Castle**	Other Wholesale	Noncore & Wholesale
62	PPP-EE Surcharge	0	0	0	0	0	0	0	0	0	(36)	36	0	0	0	0	0
63	PPP-EE Balancing Account	0	0	0	0	0	0	0	0	0	6	(6)	0	0	0	0	0
64	PPP-ESA Surcharge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	PPP-ESA Balancing Account	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	PPP - RD&D Programs	0	0	0	0	0	0	0	0	0	(7)	7	0	0	0	0	0
67	PPP - RD&D Balancing Account	0	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0
68	PPP-CARE Discount Allocation Set Annually	0	0	0	0	0	0	0	0	0	(103)	103	0	0	0	0	0
69	PPP-CARE Administration Expense	0	0	0	0	0	0	0	0	0	(3)	3	0	0	0	0	0
70	PPP-CARE Balancing Account	0	0	0	0	0	0	0	0	0	17	(17)	43	0	0	0	0
71	PPP-Admin Cost for BOE and CPUC	0	0	0	0	0	0	0	0	0	(0)	0	(1)	0	0	0	0
72	PPP-ESA Statewide ME&O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Subtotal of Public Purpose Program Surcharge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$125)	\$125	\$0	\$0	\$0	\$0	\$0	\$0

ILLUSTRATIVE ALLOCATION OF GAS PROCUREMENT REVENUE REQUIREMENTS			0	0	0	0	0	Subtotal Core									
74	Illustrative Core Bundled Cost of Gas, Shrinkage, and FF&U	(96,210)	(69,662)	(26,503)	(2,586)	2,541	0	(96,210)									
75	Illustrative Interstate and Canadian Capacity Charges	0	698	(1,001)	(115)	418	0	0									
76	Intrastate Volumetric and Backbone	0	961	(1,526)	(194)	759	0	0									
77	Cycled Carrying Cost of Gas in Storage	0	9	(18)	(3)	11	0	0									
78	Core Storage and Noncycled Carrying Cost of Gas in Storage	0	459	(594)	(53)	188	0	0									
79	Brokerage Fees	(1,251)	(907)	(342)	(33)	32	(1,251)	0									
80	Reconciling Item: Bundled Procurement Revenue Reduced by this amount due to CTA's Acceptance	0	422	(596)	(66)	240	0	0									
81	Total Authorized Illustrative Procurement RRQ	(\$97,460)	(\$68,019)	(\$30,579)	(\$3,051)	\$4,189	0	(\$97,460)									

82	Unbundled Gas Transmission and Storage Revenue Requirement	\$0															0
83	CHANGE IN TOTAL ALLOCATED REVENUE REQUIREMENT	(\$95,406)	(115,027)	8,330	(1,244)	10,113	2,454	(95,374)	9,899	3,856	180	(14,202)	176	60	15	(15)	(32)
Total RRQ excluding GHG Allowance Return																	
84	Throughput Volumes	-723,580	-191,158	-12,991	-6,013	12,833			-2,204	352,544	6,551	-883,862	3,052	-105	-47	-2,333	
		-9.8%	-9.5%	-1.6%	-8.1%	63.5%			-0.8%	24.5%	56.4%	-32.7%	58.3%	-10.4%	-7.0%	-6.3%	

ATTACHMENT 7

3/1/2020

G-NGV2 PRESENT AND PROPOSED RATES BY DETAILED COMPONENT (\$/TH)

Line No.		Present Rates 01/1/2020 AGT Oct fil	2018 GCAP March 1, 2020	Change
1	Distribution	\$0.08018	\$0.18027	\$0.10009
2	Local Transmission	\$0.21777	\$0.21777	\$0.00000
3	Customer Class Charge	\$0.28729	\$0.32679	\$0.03950
4	CPUC Fee + ARB COI Fee	\$0.00397	\$0.00426	\$0.00029
5	G-NGV2 Volumetric Transportation Rate	\$0.58921	\$0.72910	\$0.13989
6	G-PPPS for Core NGV	\$0.02857	\$0.02857	\$0.00000
7	End-User Rate Before Compression Costs and Taxes	\$0.61778	\$0.75767	\$0.13989
8	Electric Cost for Compression per Therm	\$0.22649	\$0.22649	\$0.00000
9	Fuel Taxes	\$0.23212	\$0.23212	\$0.00000
10	Compression Capital and Maintenance	\$0.83000	\$0.96297	\$0.13297
11	G-NGV2 Proposed Rate including G-PPPS (\$/th)	\$1.90639	\$2.17925	\$0.27286
12	Illustrative Annual Average Procurement	\$0.27132	\$0.28546	\$0.01414
13	Total Illustrative Annual Average Bundled Rate	\$2.17771	\$2.46471	\$0.28700
14	Compression Capital and Maintenance	\$0.83000	0.962970	\$0.13297
15	Average A-10 Electric Rate *	\$0.22649	\$0.22649	\$0.00000
16	Federal Fuel Taxes	\$0.14342	\$0.14342	\$0.00000
17	State Fuel Taxes	\$0.08870	\$0.08870	\$0.00000
18	G-NGV2 Compression Cost Rate (\$/th)	\$1.28861	\$1.42158	\$0.13297
19	G-NGV2 Annual Average Forecast Volumes (mth)	2,455	3,675	1,220
20	Annual Cost Allocation for G-NGV2 Compression Service	\$3,163	\$5,224	\$2,061

* The average A-10 electric rate is updated with gas transportation rate changes such as PG&E's annual AGT and is not forecast.

Attachment 8

3/1/2020

G1-NGV RATES

ILLUSTRATIVE RATES (\$/th)

<u>Annual Average Impact</u>		<u>Annual Average Impact of Transportation/PPPS Rate Change</u>			
Line		<u>December 1/1/2020</u>	<u>3/1/2020</u>	<u>Change</u>	<u>% Change</u>
1	Class Average Transportation Rate Including Monthly Fixed Charge	\$0.73718	\$0.75761	\$0.02043	2.77%
2	Public Purpose Program Surcharge	\$0.03651	\$0.03651	\$0.00000	0.00%
3	Class Average End-User Total Excluding Procurement	\$0.77369	\$0.79412	\$0.02043	2.64%
4	Illustrative G-CP Annual Average Gas Procurement Rate	\$0.31934	\$0.34675	\$0.02741	8.58%
5	Bundled Volumetric Equivalent Class Average Rate (incl. illustrative G-CP)	\$1.09303	\$1.14087	\$0.04784	4.38%

*CARE Customers receive a 20% discount off of the total bundled rate and are exempt from the CARE-related portions of PG&E's Public Purpose Program Surcharge (G-PPPS) rates.

ATTACHMENT 9

3/1/2020
AVERAGE END-USER GAS TRANSPORTATION RATES AND PPP SURCHARGES
 (\$/th; Annual Class Averages)⁽⁹⁾

	Core Retail					Noncore Retail						
	Non-CARE Residential	Small Commercial	Large Commercial	G-NGV1 (Uncompressed)	G-NGV2 (Compressed)	Industrial			G-NGV 4		Electric Dist./Trans.	
						Distribution	Transmission	BB-Level Serv.	Distribution	Transmission		
TRANSPORTATION CHARGE COMPONENTS												
1 Local Transmission (1)	\$.21777	\$.21777	\$.21777	\$.21777	\$.21777	\$.10029	\$.10029	\$.00000	\$.10029	\$.10029	\$.10029	\$.10029
2 Self Generation Incentive Program	\$.00001	\$.01181	\$.02223	\$.00000	\$.00000	\$.00538	\$.00058	\$.00000	\$.00538	\$.00000	\$.00000	\$.00000
3 CPUC Fee (3)	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00250	\$.00037
4 AB32 Air Resource Board Cost of Implementation Fee (8)	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176	\$.00176
5 AB32 Greenhouse Gas Compliance & Obligation Cost	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403
5 Balancing Accounts (2)	\$.15561	\$.08132	\$.02842	\$.02866	\$.29935	(\$.03317)	(\$.00309)	(\$.00288)	(\$.03317)	(\$.00225)	(\$.00438)	
2019 GTS Late Implementation Amortization												
6 GT&S-related Pension	\$.02354	\$.02354	\$.02354	\$.02354	\$.02354	(\$.00323)	(\$.00323)	(\$.00149)	(\$.00323)	(\$.00323)	(\$.00323)	(\$.00323)
7 Distribution - Annual Average (6)	\$.00390	\$.00390	\$.00390	\$.00390	\$.00390	\$.00215	\$.00215	\$.00102	\$.00215	\$.00215	\$.00215	\$.00215
8	\$.85062	\$.39314	\$.17057	\$.17932	\$.160185	\$.20673	\$.00784		\$.20673		\$.00120	
9 VOLUMETRIC RATE - Average Annual	\$ 1.30974	\$.78977	\$.52473	\$.51149	\$ 2.20471	\$.33645	\$.16284	\$.05494	\$.33645	\$.15526	\$.15220	
10 CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent (4)		\$.05822	\$.00411	\$.00095		\$.00424	\$.00076	\$.00081	\$.00424	\$.00076	\$.00086	
11 CLASS AVERAGE TRANSPORTATION RATE	\$ 1.30974	\$.84800	\$.52885	\$.51244	\$ 2.20471	\$.34069	\$.16360	\$.05575	\$.34069	\$.15603	\$.15306	
12 PUBLIC PURPOSE PROGRAM SURCHARGE/TAX (5)	\$.03651	\$.05861	\$.04870	\$.02857	\$.02857	\$.05871	\$.03728	\$.03728	\$.02857	\$.02857		
13 END-USE RATE (7)	\$ 1.34625	\$.90661	\$.57755	\$.54101	\$ 2.23328	\$.39940	\$.20088	\$.09303	\$.36926	\$.18460	\$.15306	

	Wholesale						
	Coalinga	Palo Alto	WC Gas Mather		Island Energy	Alpine	WC Gas Castle
			Dist.	Trans.			
TRANSPORTATION CHARGE COMPONENTS							
14 Local Transmission (1)	\$.10029	\$.10029	\$.10029	\$.10029	\$.10029	\$.10029	\$.10029
15 Self Generation Incentive Program	WHOLESALE CUSTOMERS EXEMPT FROM SGIP, AB32 COI, and CPUC FEE RATE COMPONENT						
16 CPUC Fee (3)	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000
17 AB32 Air Resource Board Cost of Implementation Fee (8)	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000
18 AB32 Greenhouse Gas Compliance & Obligation Cost	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403	\$.05403
19 Balancing Accounts (2)	(\$.00419)	(\$.00419)	(\$.06897)	(\$.00419)	(\$.00419)	(\$.00419)	(\$.04268)
20 2019 GTS Late Implementation Amortization	(\$.00323)	(\$.00323)	(\$.00323)	(\$.00323)	(\$.00323)	(\$.00323)	(\$.00323)
21 GT&S-related Pension	\$.00215	\$.00215	\$.00215	\$.00215	\$.00215	\$.00215	\$.00215
22 Distribution - Annual Average			\$.43299				\$.25233
23 VOLUMETRIC RATE - Average Annual	\$.14906	\$.14906	\$.51728	\$.14906	\$.14906	\$.14906	\$.36290
24 CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent (4)	\$.00384	\$.00090	\$.00483	\$.00483	\$.01263	\$.00350	\$.00763
25 CLASS AVERAGE TRANSPORTATION RATE	\$.15290	\$.14996	\$.52211	\$.15389	\$.16168	\$.15256	\$.3705355
26 PUBLIC PURPOSE PROGRAM SURCHARGE/TAX (5)							
27 END-USE RATE	\$.15290	\$.14996	\$.52211	\$.15389	\$.16168	\$.15256	\$.37054
28 GHG COMPLIANCE COST EXEMPTION	\$.05161	\$.05161	\$.05161	\$.05161	\$.05161	\$.05161	\$.05161
29 END-USE RATE EXCLUDING GHG COMPLIANCE COST	\$.10129	\$.09835	\$.47050	\$.10228	\$.11008	\$.10095	\$.31893

NOTES

- (1) Adopted in Decision 19-09-025 filed with Advice Letter 4149-G Attachment 6 Appendix H Table 20
- (2) Based on November recorded balances and forecasted through December.
- (3) CPUC Fee based on Resolution M-4839, effective April 1, 2018 (including FF&U). G-EG customers pay a reduced CPUC fee as updated in 2018 GCAP D.19-10-036.
- (4) Adopted in Decision 19-09-025 filed with Advice Letter 4149-G Attachment 6 Appendix H Table 21
- (5) Decision 04-08-010 ordered the removal of PPP cost recovery from transportation rates. On March 1, 2005 PG&E began to treat PPP as a tax. AL 4174-G updated PG&E's 2020 PPP Surcharges effective January 1, 2020.
- (6) The G-NGV2 Distribution rate component includes the cost of compression, station operations and maintenance, and state/federal gas excise taxes, and the average A-10 electric rate.
- (7) CARE Customers receive a 20% discount off of PG&E's total bundled rate and are exempt from the CARE portion of PG&E's Public Purpose Program Surcharge (G-PPPS) rates and cost recovery of the California Solar Initiative Thermal Program.
- (8) AB32 provides the Air Resource Board recovery of its administration costs associated with the implementation of AB32. Wholesale and certain large customers are directly billed by the ARB, and are exempt from PG&E's cost of implementation component of \$0.00176 per therm
- (9) Billed Transportation rates paid by all customers include an additional GHG Compliance Cost of \$0.05161 and Operational Cost component of \$0.00243. Covered Entities within classes and the wholesale class (i.e. customers that currently have a direct obligation to pay for allowances directly to the Air Resource Board) will see a line credit on their bill equal to the GHG Compliance Cost \$0.05161 per therm times their monthly billed therms

CHANGE From January 1, 2020 Rates
AVERAGE END-USER GAS TRANSPORTATION RATES AND PPP SURCHARGES
 (\$/th; Annual Class Averages)

	Core Retail						Noncore Retail					
	Non-CARE Residential	Core Commercial Sml Comm.	Core Commercial Lrg Comm.	G-NGV1 (Uncompressed)	G-NGV2 (Compressed)		Industrial Distribution	Industrial Transmission	BB-Level Serv.	G-NGV 4 Distribution	G-NGV 4 Transmission	Electric Dist./Trans.
TRANSPORTATION CHARGE COMPONENTS												
1 Local Transmission												
2 Self Generation Incentive Program	(\$.00180)	\$0.01001	\$0.02043	(\$.00180)	(\$.00180)	\$0.00358	(\$.00122)	(\$.00180)	\$0.00358	(\$.00180)	(\$.00180)	(\$.00180)
3 CPUC Fee												\$0.00027
4 AB32 Air Resource Board Cost of Implementation Fee	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029	\$0.00029
5 AB32 Greenhouse Gas Compliance Cost	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292	\$0.00292
6 Balancing Accounts	\$0.01179	\$0.00804	\$0.00446	\$0.01913	\$0.04467	(\$0.00479)	(\$0.00026)	(\$0.00079)	(\$0.00479)	(\$0.0106)	(\$0.0063)	
7 GT&S Late Implementation Amortization												
8 GT&S-related Pension	\$0.00027	\$0.00027	\$0.00027	\$0.00027	\$0.00027	\$0.00021	\$0.00021	\$0.00012	\$0.00021	\$0.00021	\$0.00021	\$0.00021
9 Distribution - Annual Average	\$0.06217	\$0.03820	\$0.01936	\$0.10034	\$0.23306	\$0.03749	(\$0.00256)		\$0.03749		(\$0.00206)	
VOLUMETRIC RATE - Average Annual	\$0.07564	\$0.05972	\$0.04773	\$0.12114	\$0.27941	\$0.03970	(\$0.00062)	\$0.00074	\$0.03971	\$0.00057	(\$0.00080)	
CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent		(\$0.00066)	(\$0.00038)	(\$0.00024)		\$0.00040			\$0.00040			
CLASS AVERAGE TRANSPORTATION RATE	\$0.07564	\$0.05907	\$0.04736	\$0.12089	\$0.27941	\$0.04010	(\$0.00062)	\$0.00074	\$0.04011	\$0.00057	(\$0.00080)	
PUBLIC PURPOSE PROGRAM SURCHARGE/TAX												
END-USE RATE	\$0.07564	\$0.05907	\$0.04736	\$0.12089	\$0.27941	\$0.04010	(\$0.00062)	\$0.00074	\$0.04011	\$0.00057	(\$0.00080)	
Wholesale												
				WC Gas Mather Dist.	Island Trans.	Alpine Energy	WC Gas Castle					
TRANSPORTATION CHARGE COMPONENTS												
15 Local Transmission												
16 Self Generation Incentive Program	WHOLESALE CUSTOMERS EXCEPT FROM SGIP, AB32 COI, and CPUC FEE RATE COMPONENT											
17 CPUC Fee												
18 AB32 Air Resource Board Cost of Implementation Fee												
19 Balancing Accounts	(\$0.00095)	(\$0.00095)	(\$0.02198)	(\$0.00095)	(\$0.00095)	(\$0.00095)	(\$0.00640)					
20 2019 GTS Late Implementation Amortization												
21 GT&S-related Pension	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021	\$0.00021					
22 Distribution - Annual Average			\$0.15517				\$0.04252					
VOLUMETRIC RATE - Average Annual	\$0.00219	\$0.00219	\$0.13633	\$0.00219	\$0.00219	\$0.00219	\$0.03926					
CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent (4)												
CLASS AVERAGE TRANSPORTATION RATE	\$0.00219	\$0.00219	\$0.13633	\$0.00219	\$0.00219	\$0.00219	\$0.0392614					
PUBLIC PURPOSE PROGRAM SURCHARGE/TAX												
END-USE RATE INCLUDING GHG COMPLIANCE & OBLIGATION	\$0.00219	\$0.00219	\$0.13633	\$0.00219	\$0.00219	(\$0.17871)	\$0.37054					
GHG COMPLIANCE COST EXEMPTION	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.00268	\$0.05161					

ATTACHMENT 11

3/1/2020

Illustrative Average Non-CARE Residential* and Non-CARE Small Commercial* Bill Impacts

RESIDENTIAL CLASS		Illustrative Bundled Rates	Illustrative 3/2020 Rates and Bill	Illustrative 1/2021 Rates and Bill
		January 1, 2020 Final Dec Filing (A)		
Line No.				
1	Non-CARE Residential Illustrative Bundled Rate (\$/th)	\$1.55344	\$1.65649	\$1.58087
2	+ State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.03651	\$0.03651	\$0.03651
3	= End-User Total Rate and Surcharge (\$/th)	\$1.58995	\$1.69300	\$1.61738
4	x Average Monthly Use per Residential Customer (therms)	32	32	32
5	= Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$50.88	\$54.18	\$51.76
6	Change in Average Non-CARE Residential Bill		\$3.30	(\$2.42)
7	% Change in Average Non-CARE Residential Bill		6.5%	-4.5%
SMALL COMMERCIAL CLASS		Illustrative Bundled Rates	Illustrative 3/2020 Rates and Bill	Illustrative 1/2021 Rates and Bill
		January 1, 2020 Final Dec Filing (A)		
8	Non-CARE Small Commercial Illustrative Bundled Rate (\$/th)	\$1.09166	\$1.17471	\$1.13325
9	+ State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.05861	\$0.05861	\$0.05861
10	= End-User Total Rate and Surcharge (\$/th)	\$1.15027	\$1.23332	\$1.19186
11	x Average Monthly Use per Small Commercial Customer (therms)	281	281	281
12	= Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$323.23	\$346.56	\$334.91
13	Change in Average Non-CARE Small Commercial Bill		\$23.34	(\$11.65)
14	% Change in Average Non-CARE Small Commercial Bill		7.2%	-3.4%

* CARE customers receive a discount of 20% off of PG&E's bundled residential rates and are exempt from paying CARE-related portions of PG&E's G-PPPS rates and cost recovery of the California Solar Initiative Thermal Program.

**Attachment 13
PACIFIC GAS AND ELECTRIC COMPANY
MARCH 1, 2020 RATE CHANGE**

SCALED AND CAPPED GAS BASE DISTRIBUTION REVENUE ALLOCATION

Marginal Cost Revenues, Unscaled, No Averaging, No RF&U (\$000)

	Total	Residential	Small Commercial	Large Commercial	Uncompressed NGV 1	Compressed NGV2	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG T&D	EG BB	WC Gas Mather	WC Gas Castle
Customer	\$997,286	\$777,843	\$206,791	\$2,432	\$692		\$8,150	\$329		\$1,050			
+ Distribution	740,423	\$514,485	\$160,481	\$8,073	\$4,537		\$39,649	\$11,978		\$865		\$216	\$139
= Totals	\$1,737,709	\$1,292,328	\$367,271	\$10,505	\$5,229	\$0	\$47,799	\$12,307	\$0	\$1,914	\$0	\$216	\$139
Allocation Before NGV Compr Cost, Sml Comm Cap, and RF&U Reallocation	100.00%	74.37%	21.14%	0.60%	0.30%	0.00%	2.75%	0.71%	0.00%	0.11%	0%	0.01%	0.01%

Calculation of Scaling Factor to Reconcile Marginal Costs to Authorized Base Distribution RRQ

Base Revenue (1 year, w/RF&U)	\$1,937,828												
+ Changes to Base Revenues in Setup Area	\$47,699												
= Total Distribution Base Revenue	\$1,985,527							\$1,985,527					
/ Divide By Adopted RF&U (1 + RF&U Factor)	101.3370%												
= Adopted Base Distribution Cost Less RF&U	\$1,959,331							\$1,959,331					
- NGV2 Compression Cost(net of RF&U) Alloc. to G-NGV2	\$5,155												
Net Base Distribution Cost Used to Scale Marginal Cost Revenues	\$1,954,176												
/ Embedded Cost-based revenue, No RF&U	\$1,737,709												
= Test Period Marginal Cost Revenue Scaling Factor:	1.12457												

Base Rev. w/RF&U	\$1,985,527												
- Base Rev. Net of RF&U	\$1,959,331												
= Total Base RF&U	26,196												
F&U Shares													
Revenue and Franchise Fees	.994%												
+ Uncollectible Exp.	.343%												
F&U	1.337%												
Components Share of F&U													
74.34%													
25.66%													
100.00%													
N/A													

Total Base F&U	26,196												
Total F&U split into F&U Components													
19,475													
6,721													
\$26,196													

Small Commercial Allocation Capped at 17.717% of Base Distribution RRQ (PG&E Embedded Method)
Re-Allocation Between Residential and Small Commercial per Adopted CAL PA Method

Small Commercial	351,775												
Re-Allocation	65,889												
	-65,889												

BASE REVENUES (Scaled Marginal Cost Revenues), Small Commercial Capped (\$000)

	Total	Residential	Small Commercial	Large Commercial	Uncompressed NGV 1	Compressed NGV2	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG T&D	EG BB	WC Gas Mather	WC Gas Castle
Customer	\$1,124,078	\$914,397	\$195,452	\$2,735	\$779	\$0	\$9,165	\$370	\$0	\$1,180	\$0	\$0	\$0
+ Distribution	830,098	604,806	151,682	9,079	5,102	0	44,588	13,470	0	972	0	243	156
+ G-NGV2 Compression Cost	5,155	0	0	0	0	5,155	0	0	0	0	0	0	0
= Total before F&U	1,959,331	1,519,202	347,134	11,813	5,880	5,155	53,754	13,840	0	2,153	0	243	156
+ Revenue and Franchise Fees	19,475	15,100	3,450	117	58	51	534	138	0	21	0	2	2
+ Uncollectible Revenues	6,721	5,213	1,191	41	20	18	184	47	0	7	0	0	0
= Total Distribution Base Revenue Requirement	\$1,985,527	\$1,539,515	\$351,775	\$11,971	\$5,959	\$5,224	\$54,472	\$14,026	\$0	\$2,182	\$0	\$246	\$158
Share by Class		77.537%	17.717%	0.603%	0.300%	0.263%	2.743%	0.706%	0.000%	0.110%	0.000%	0.012%	0.008%
Core Share			96.420%				Noncore Share						
							3.580%						

BASE RATES, Before Averaging (\$/th)

	Total	Residential	Small Commercial	Large Commercial	Uncompressed NGV 1	Compressed NGV2	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG T&D	EG BB	WC Gas Mather	WC Gas Castle
Customer	\$.16966	\$.50242	\$.25078	\$.03991	\$.02355	\$.00000	\$.03550	\$.00021	\$.00000	\$.00065	\$.00065	\$.00000	\$.00000
+ Distribution	\$.12529	\$.33232	\$.19462	\$.13248	\$.15434	\$.00000	\$.17269	\$.00753	\$.00000	\$.00054	\$.00054	\$.27010	\$.24985
+ G-NGV2 Compression Cost	\$.00078	\$.00000	\$.00000	\$.00000	\$.00000	\$.140282	\$.00000	\$.00000	\$.00000			\$.00000	\$.00000
= Total before F&U	\$.29573	\$.83474	\$.44541	\$.17238	\$.17790	\$.140282	\$.20818	\$.00773	\$.00000	\$.00119	\$.00119	\$.27010	\$.24985
+ Revenue and Franchise Fees	\$.00294	\$.00830	\$.00443	\$.00171	\$.00177	\$.01394	\$.00207	\$.00008	\$.00000	\$.00001	\$.00001	\$.00268	\$.00248
+ Uncollectible Revenues	\$.00101	\$.00286	\$.00153	\$.00059	\$.00061	\$.00481	\$.00071	\$.00003	\$.00000	\$.00000	\$.00000	\$.00000	\$.00000
= Total Distribution Base Revenue	\$.29969	\$.84590	\$.45136	\$.17469	\$.18027	\$.142158	\$.21097	\$.00784	\$.00000	\$.00120	\$.00120	\$.27279	\$.25233

EQUALIZE EG-COGEN ON DISTRIBUTION BASE DISTRIBUTION REVENUE BETWEEN G-EG AND G-EG-BB

	Total	Residential	Small Commercial	Large Commercial	Uncompressed NGV 1	Compressed NGV2	Industrial Distribution	Industrial Transmission	Industrial Backbone	EG T&D	EG BB	WC Gas Mather	WC Gas Castle
EG Base Distribution Revenue - Customer	1,180									1,180	0		
EG Base Distribution Revenue - Distribution	972									972	0		
Revenue and Franchise Fees	21									21	0		
Uncollectibles Revenues	7									7	0		
Total	2,182									2,182	0		
EG Throughput Volume	1,815,238									973,252	841,986		
Percent Share based on Throughput Volume	100%									53.62%	46.38%		
EG Split Base Distribution Revenue - Customer	1,180									633	548		
EG Split Base Distribution Revenue - Distribution	972									521	451		
Revenue and Franchise Fees	21									11	10		
Uncollectibles Revenues	7									4	3		
Total	2,182									1,170	1,012		

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