

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



March 12, 2020

Advice Letter 4200-G

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**SUBJECT: Annual Gas True-Up of Gas Transportation Balancing Accounts for Rates
Effective January 1, 2020.**

Dear Mr. Jacobson:

Advice Letter 4200-G is effective as of January 1, 2020

Sincerely,

A handwritten signature in dark ink, appearing to read "Edward Randolph".

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

December 23, 2019

Advice 4200-G

(Pacific Gas and Electric Company ID U 39 G)

Public Utilities Commission of the State of California

Subject Annual Gas True-Up of Gas Transportation Balancing Accounts for Rates Effective January 1, 2020**Purpose**

Pacific Gas and Electric Company (PG&E) submits for approval by the California Public Utilities Commission (Commission or CPUC) revisions to PG&E's gas tariff schedules effective January 1, 2020.

Consistent with prior years, this Annual Gas True-Up (AGT) advice letter does not include the 2020 gas procurement-related revenue requirement changes, which are being submitted concurrently in PG&E's monthly core procurement advice letter.

Overview of Preliminary AGT

On October 31, 2019, PG&E submitted its AGT¹ Advice 4173-G, requesting approval to amortize forecast December 31, 2019 gas transportation balancing account balances in rates effective January 1, 2020. On December 10, 2019, the Energy Division approved Advice 4173-G, effective January 1, 2020.

This "Annual Gas True-Up: Consolidated Gas Rate Update" advice letter consolidates forecast end-of-year gas balancing account balances with final authorized gas revenue requirement changes previously approved by the CPUC. In order to provide a more accurate forecast, this advice letter updates the forecast balancing account balances that were provided in Advice 4173-G using November 30, 2019 recorded balances as the starting point.²

¹ The AGT is an annual process to update gas transportation balancing accounts as established in PG&E's 2005 Biennial Cost Allocation Proceeding (BCAP) Decision (D.) 05-06-029, p.10 and Finding of Fact 9.

² Advice 4173-G used September 30, 2019 recorded balances as the starting point for December 31, 2019 forecast balancing account balances.

In Advice 4173-G, PG&E provided a preliminary estimate of its 2020 gas transportation revenue requirements, which at the time were estimated to be \$3,762 million. In this advice letter, PG&E proposes to recover its final authorized 2020 gas transportation revenue requirements totaling \$3,668 million, which is a \$23 million increase compared to revenue requirements in present rates. The 2020 gas transportation revenue requirements include end-user transportation costs, gas Public Purpose Program (PPP) surcharges (which were submitted for Commission approval in Advice 4174-G), and gas transmission and storage unbundled costs (See Table 1 below).

Table 1 Proposed Gas Transportation Revenue Requirements Effective January 1, 2020 (\$ millions)³			
Description	Currently in Rates	Proposed	Change
End-Use Gas Transportation	\$3,161	\$3,176	\$16
Storage and Backbone Unbundled Costs	222	309	87
Gas PPP Surcharges ⁴	262	183	(80)
Total Gas Transportation Revenue Requirements	\$3,645	\$3,668	\$23

Attachment 1 summarizes the proposed 2020 gas transportation revenue requirements. Attachment 2 summarizes the forecast December 31, 2019 balances for gas transportation balancing accounts using recorded balances through November 30, 2019. The total December 31, 2019 gas transportation balancing account balances are projected to be undercollected by \$335.3 million, as shown in Attachment 1, line 1, and Attachment 2, line 22. This represents a \$8 million decrease in the gas transportation balancing account undercollections from those currently amortized in gas transportation rates. Finally, Attachments 3 through 5 provide illustrative rates and surcharges resulting from the amounts summarized in Attachments 1 and 2.

Background

As described in PG&E's Preliminary Statement C-Gas *Accounting Terms and Definitions*, Part 12.b, *Revision Dates*, the AGT updates the customer class charge components of transportation rates to recover all gas transportation-related balancing and memorandum account balances for costs that the Commission has authorized to be

³ This table does not include 2020 gas procurement-related revenue requirement changes, which will be submitted concurrently in PG&E's monthly core procurement advice letter.

⁴ Submitted for Commission approval in Advice 4174-G, which was submitted on October 31, 2019.

recovered in rates. PG&E determines the change in the customer class charge components of transportation rates as follows:

- 1) Forecasting the December 31, 2019 balance for each gas transportation balancing and memorandum account to be updated in the AGT based on the November 30, 2019 recorded balances plus a forecast of costs and revenues, including interest, through December 31, 2019; and
- 2) Calculating the customer class charge components by dividing the forecasted December 31, 2019 balancing account balance by PG&E's currently adopted BCAP throughput forecast (D. 10-06-035). Note that on September 14, 2017, PG&E filed its 2018 Gas Cost Allocation Proceeding (GCAP) Application (A.) 17-09-006. On October 24th the Commission issued its final decision in that application (D.19-10-036). PG&E has up to 60 days to file a Tier 2 Advice Letter incorporating the adopted 2019 GT&S Throughput Forecast into ratemaking models for the non-GT&S components. PG&E is submitting its Tier 2 Advice Letter (AL-4197-G) on December 23, 2019. Upon approval of that Tier 2 Advice Letter PG&E will implement those rates no later than the 1st of the second month following approval of that advice letter.

Transportation Balancing Accounts Already Approved for Amortization in the 2020 AGT

This section describes: (1) the balancing accounts that will be amortized through this AGT advice letter; (2) the recent CPUC decisions impacting the balancing account balances; and (3) PG&E's proposals to recover the forecasted balances in rates, effective January 1, 2020.

Certain account balances are recovered in rates through the Core Fixed Cost Account (CFCA) and/or Noncore Customer Class Charge Account (NCA) rate components, as described below. For these accounts, PG&E will transfer the recorded December 31, 2018 balances to the appropriate subaccount of the CFCA and/or NCA, once the AGT is approved.

Core Fixed Cost Account – (Attachment 2, Lines 1-2)

The CFCA records authorized General Rate Case Phase I (GRC) gas distribution base revenue amounts (with credits and adjustments), certain other core transportation costs, and transportation revenue from core customers. The CFCA has three subaccounts:

- (i) Distribution Cost subaccount recovers the core distribution base revenue requirements adopted in PG&E's GRC, including annual attrition adjustments, adjustments resulting from cost of capital proceedings, and other core distribution-related costs authorized by the Commission. The

Distribution Cost subaccount is allocated to core customer classes in proportion to their adopted allocation of distribution base revenues;

- (ii) Core Cost subaccount recovers non-distribution-related costs, such as the Self-Generation Incentive Program (SGIP) and the local transmission revenue requirements adopted by the Commission. The Core Cost subaccount is allocated to core transportation customers on an equal-cents-per-therm basis; and
- (iii) Assembly Bill (AB) 32 Cost of Implementation Fee Core subaccount recovers the gas portion of California Air Resources Board's (ARB) AB 32 Cost of Implementation Fee, allocated to PG&E's applicable core transportation customers on an equal-cents-per-therm basis, as further described below.

The AGT includes a forecasted \$297.3 million net undercollection in the CFCA, excluding the AB 32 Cost of Implementation (COI) Fee Core subaccount, which is described separately below. The net undercollection in the CFCA results from:

- (i) A forecasted \$293.9 million undercollection in the Distribution Cost subaccount⁵; and
- (ii) A forecasted \$3.5 million undercollection in the Core Cost subaccount.

Noncore Customer Class Charge Account - (Attachment 2, Lines 3-4)

The NCA records noncore costs and revenues from noncore customers for programs such as SGIP which receive balancing account treatment. The NCA has three subaccounts:

- (i) The Noncore subaccount recovers costs and balances from all noncore customers for non-distribution cost-related items and is allocated on an equal-cents-per-therm basis;
- (ii) The Distribution subaccount recovers the noncore distribution portion of gas revenue requirements adopted in GRC decisions and other noncore distribution-related costs and balances approved by the Commission. It is allocated to noncore classes in proportion to their adopted allocation of distribution base revenues; and
- (iii) The AB 32 Cost of Implementation Fee Noncore subaccount, which recovers the gas cost portion of the AB 32 cost of implementation fee,

⁵ In compliance with California Public Utilities Code section 706 (Senate Bill 901) and Resolution E-4963, PG&E has removed the costs associated with Officer Compensation for 2019 authorized in PG&E's 2017 General Rate Case, from the Distribution Subaccount of the CFCA.

allocated to PG&E's applicable noncore transportation customers, as further described below.

The AGT includes a forecasted \$34.8 million net overcollection in the NCA, excluding the AB 32 Cost of Implementation Fee Noncore subaccount, which is described separately below. The net overcollection in the NCA results from:

- (i) A forecasted \$22.6 million overcollection in the Noncore subaccount; and
- (ii) A forecasted \$12.2 million overcollection in the Distribution subaccount.

AB 32 Cost of Implementation Fee – (Attachment 2, Line 13)

As described above, the AB 32 COI Fee is recovered in two subaccounts: (1) the core subaccount of the CFCA recovers the gas cost portion of the AB 32 COI Fee allocated to core customers; and (2) the noncore subaccount of the NCA recovers the gas cost portion of the AB 32 COI Fee allocated to noncore customers. In accordance with D. 12-10-044 and Advice 3348-G, the AB 32 COI Fee is allocated to all non-exempt customers on an equal-cents-per-therm basis. As indicated in Advice 3348-G, the ARB provides PG&E with an invoice and a list of PG&E customers who pay the COI fee directly to the ARB. Customers paying the COI Fee directly to the ARB are exempt from paying for COI Fee costs through PG&E's rates. PG&E has updated the currently adopted volumes used to calculate PG&E's 2019 COI rates to reflect a reduction of the volumes associated with exempt customers. The AGT balance proposed to be amortized in 2020 rates consists of a forecasted \$8.4 million net undercollection in the AB 32 Cost of Implementation Fee subaccounts.

Core Brokerage Fee Balancing Account (CBFBA) - (Attachment 2, Line 5)

The CBFBA ensures that variations between the adopted forecast brokerage fee revenue requirement credits in core transportation rates and actual brokerage fee revenues collected from core procurement customers will flow through core transportation rates. This account was adopted in PG&E's 2005 BCAP decision (D. 05-06-029). The AGT includes a forecasted \$964 thousand undercollection in the CBFBA. The CBFBA balance is included in the rate component of the Core Cost subaccount of the CFCA.

Hazardous Substance Mechanism (HSM) - (Attachment 2, Line 6)

The HSM provides a uniform methodology for allocating costs and related recoveries associated with covered hazardous substance-related activities, including hazardous substance clean-up and litigation, and related insurance recoveries, as set forth in D. 94-05-020 (the original HSM decision) through the Hazardous Substance Cost Recovery Account (HSCRA). The Commission has approved an allocation of

Hazardous Substance Mechanism costs on an equal-cents-per-therm basis⁶. This AGT forecasts a \$68.8 million balance for collection in the HSCRA. Once allocated, the HSCRA balance is included in the rate component of the Core Cost subaccount of the CFCA and the Noncore subaccount of the NCA.

Balancing Charge Account (BCA) - (Attachment 2, Line 7)

The BCA records the revenue and costs associated with providing gas balancing service, including charges and credits, as described in gas Schedule G-BAL and Gas Rule 14. PG&E currently forecasts a \$2 million overcollection in the BCA. The BCA balance is included in the rate component of the Core Cost subaccount of the CFCA and the Noncore subaccount of the NCA.

Customer Energy Efficiency Incentive Account (CEEIA) - (Attachment 2, Line 9)

The CEEIA records the gas portion of any Efficiency Savings Performance Incentive (ESPI) award authorized by the Commission to be recovered in rates. Interest does not accrue in this subaccount pursuant to D. 07-09-043. This AGT includes a forecasted \$2.9 million undercollected balance, which will be recovered through the CEE Incentive rate component. The CEEIA is recovered from core and noncore customers in proportion to their adopted allocation of distribution base revenues⁷.

As discussed in more detail below in the “Recent, Pending and Anticipated CPUC Proceedings and Advice Letters” section, PG&E’s request of the ESPI award for 2017 ex post savings and 2018 ex ante savings, as submitted in Advice 4137-G, is pending approval and therefore not reflected in this AGT submittal.

California Solar Initiative Thermal Program Memorandum Account (CSITPMA) - (Attachment 2, Line 10)

Advice 3093-G established the CSITPMA to record expenses incurred by PG&E for implementing the CSI Thermal Program authorized by D. 10-01-022. Customers who participate in the California Alternate Rates for Energy (CARE) or Family Electric Rate Assistance (FERA) Programs, customers who are currently exempt from funding the SGIP, and customers exempt pursuant to Public Utilities Code Section 2863(b)(4) are exempt from CSI Thermal Program charges. This AGT includes a forecasted \$8.5 million undercollected balance in the CSITPMA, and will be recovered in the CSITPMA rate component, allocated on an equal-cents-per-therm basis(with exceptions noted above).

Adjustment Mechanism for Costs Determined in Other Proceedings (AMCDOP) – (Attachment 2, Line 11)

⁶ See also gas Preliminary Statement Part AN.

⁷ In PG&E’s 2018 GCAP, the allocation methodology was changed to the Direct Benefits. PG&E will be implementing the new allocation, when its Tier 2 GCAP implementation filing is approved.

The AMCDOP was approved by the Commission in D.11-04-031 (approving the Gas Accord V Settlement, and continued in PG&E's 2015 Gas Transmission and Storage (GT&S) rate case, D.16-06-056). The purpose of the AMCDOP is to record the difference in the revenue requirement associated with costs determined in other proceedings and the revenue requirements based on placeholder costs included in PG&E's GT&S filings. Examples of "other proceedings" are PG&E's GRC, the cost of capital proceedings, and the Pension Recovery Proceeding. The AMCDOP is governed by Gas Preliminary Statement Part CO, which specifies that the AMCDOP shall apply to all customer classes. According to the Preliminary Statement, 50% of the total costs are allocated to core customers and 50% to noncore customers through the customer class charge. As discussed in the 'Recent Decisions' and 'Pending Decisions' sections below, PG&E has reflected the revenue requirement adjustments associated with the transmission portion of Cost of Capital, and the transmission portion of the 2017 Tax Act in this submittal in the AMCDOP. This AGT includes a forecasted \$55.7 million credit balance in the AMCDOP.

Non-Tariffed Products and Services Balancing Account (NTBA-G) - (Attachment 2, Line 12)

The NTBA-G is used to record the core customer share of revenues net of costs and income taxes associated with new Non-Tariffed Products and Services (NTP&S), pursuant to CPUC Affiliate Transaction Rule VII. Costs and revenues are tracked for appropriate disbursement of revenues, net of expense, to customers and shareholders via the 50/50 sharing mechanism as approved by D. 99-04-021. The NTBA-G does not apply to NTP&S in PG&E's existing NTP&S catalogue, which remains subject to other operating revenue treatment, consistent with D. 99-04-021. In Resolution G-3417, the Commission approved PG&E's proposal to offer the Mover Services Program; to recover costs and disburse net revenues through the NTBA-G; to transfer the balance at the end of the year from the NTBA-G to the CFCA; and to include it in the AGT submittal, in order to credit customer revenues pursuant to D. 99-04-021. If the balance at the end of the year for any product or service category is undercollected, no transfer will be made for that product or service category, and the balance for that product or service category will be reset to zero at the beginning of the year. PG&E forecasts a \$325 thousand overcollected balance for this account, which will be transferred to the Distribution Cost subaccount of the CFCA.

Gas Pipeline Expense and Capital Balancing Account (GPECBA) – (Attachment 2, Line 14)

The GPECBA records PG&E's reimbursements to the Commission associated with implementing and complying with D. 12-12-030, up to \$15 million. PG&E forecasts a balance of \$2 thousand undercollection in this account. The balance in this account is recovered through the Core Cost subaccount of the CFCA and Noncore subaccount of the NCA at 59.5% and 40.5%, respectively.

Natural Gas Leak Abatement Program Balancing Account (NGLAPBA) - (Attachment 2, Line 16)

The NGLAPBA records the difference between the adopted budget to actual costs incurred, up to the adopted budget, related to incremental costs of pilot projects and research and development costs related to minimizing methane emissions consistent with new regulatory requirements pursuant to Senate Bill 1371 and Commission Decision 17-06-015. The NGLAPBA is a one-way balancing account. PG&E forecasts a \$1.6 million overcollected balance in the Distribution Subaccount of the NGLAPBA, which will be transferred to the Distribution Cost Subaccount and Distribution Subaccount of the CFCA and NCA, respectively. PG&E forecasts a \$884 thousand overcollected balance in the Transmission Subaccount of the NGLAPBA which will be transferred to the Core Cost Subaccount and the Noncore Subaccount of the CFCA and NCA, respectively.

New Environmental Regulations Balancing Account (NERBA) - (Attachment 2, Line 17)

The NERBA records and tracks actual expenses and capital revenue requirements compared to the adopted budget for incremental best practice activities related to minimizing methane emissions consistent with new regulatory requirements pursuant to Senate Bill 1371 and Commission Decision 17-06-015. These best practices pertain to policies and procedures, recordkeeping, training, leak detection, leak repair, and leak prevention. Consistent with the definition of incremental costs in PG&E's 2018 compliance plan, PG&E has recorded all Grade 3 leak repairs incurred in 2018 and 2019 in NERBA. The compliance plan says: "All Grade 3 leak repair work is incremental to existing regulations, which require these leaks to be monitored regularly but not repaired." ⁸ In addition, costs for Can't-Get-In (CGI) remediation have increased based on the Gas Leak Abatement OIR (R.15-01-008) Best Practice 15, which recommends the adoption of a 3 year leak survey cycle. As a result of the increased leak surveys, CGI costs have also increased. Therefore, PG&E is including a reasonable percentage of CGI costs that represent the increase related to the leak surveys. Specifically, PG&E is including 25% of the 2018 and 2019 CGI costs which corresponds to the incremental increase from the acceleration of the leak survey cycle.

The NERBA is a two-way balancing account. PG&E forecasts a \$20 million undercollected balance in the Distribution Subaccount of the NERBA, which will be transferred to the Distribution Cost Subaccount and Distribution Subaccount of the CFCA and NCA, respectively. PG&E forecasts a \$1.5 million overcollected balance in the Transmission Subaccount of the NERBA which will be transferred to the Core Cost Subaccount and the Noncore Subaccount of the CFCA and NCA, respectively.

⁸ See PG&E's November 8, 2018 Compliance Plan, p. BPES-63.

Pension Contribution Balancing Account (PCBA) - (Attachment 2, Line 18)

The PCBA includes the revenue requirement associated with the difference, if any, between adopted pension contributions and (i) lower contributions for any reason or (ii) federally mandated higher contributions, with the difference to be refunded to or recovered from customers. PG&E's contribution to the pension plan have matched the amounts adopted in D. 06-06-014 and D. 07-03-044. As a result, PG&E does not expect that the PCBA will have a balance on December 31, 2019. Should it have a balance, it would be recovered through the Distribution Subaccounts of the CFCA and NCA.

Gas Transmission & Storage Revenue Sharing Mechanism (GTSRSM) – (Attachment 2, Line 20)

Originally adopted as part of the Gas Accord V Settlement Agreement and continued in the 2015 GT&S and 2019 GT&S Rate Case decisions, with modifications, the GTSRSM records the difference between adopted noncore and unbundled revenue requirements and recorded noncore and unbundled revenues to be shared between customers and shareholders, as further described below. The GTSRSM consists of the following three subaccounts⁹:

- (i) The Backbone subaccount, which records the difference between the adopted unbundled backbone revenue requirement and the portion of backbone revenues allocated to core customers that are collected volumetrically and recorded backbone revenues, whether an over-collection or an under-collection, to be shared 50% to customers and 50% to shareholders. PG&E forecasts a \$47.9 million overcollection in the Backbone subaccount of the GTSRSM which has been allocated to all end use customers.
- (ii) The Local Transmission subaccount, which records the difference between the adopted noncore local transmission revenue requirement and recorded local transmission revenues, whether an over-collection or an under-collection, to be shared 75% to customers and 25% to shareholders. PG&E forecasts a \$5.9 million undercollection in the Local Transmission subaccount of the GTSRSM which has been allocated to all end use customers, except for industrial backbone and electric generation backbone customers.

⁹ On October 23, 2019, PG&E submitted Advice 4166-G to eliminate the Revenue Sharing subaccount in compliance with D.19-09-025, which became obsolete with the elimination of the seed value in rates effective October 1, 2019.

- (iii) The Storage subaccount, which records the difference between the adopted unbundled storage revenue requirement and recorded unbundled storage revenues, if an over-collection, to be shared 75% to customers and 25% to shareholders. PG&E is at risk for 100% of any net under-collections. The 2019 GT&S Decision 19-09-025¹⁰, Ordering Paragraph 93, approved the closure of the noncore storage subaccount. Note that PG&E will close the storage subaccount upon elimination of the noncore storage service¹¹. PG&E is forecasting a net undercollection in the Storage subaccount of the GTSRSM and therefore has not passed on the balance in rates.

In accordance with the proposed changes to Preliminary Statement Part CP proposed in Advice 4166-G, the balances in the three subaccounts as of December 31 of each year¹² will be transferred to the Core and Noncore subaccounts of the CFCA and NCA, respectively. The distribution of the balance will be 50% to core and 50% to noncore customers¹³. Additionally, pursuant to D. 19-09-025, Ordering Paragraph 82, PG&E submitted Advice Letter 4185-G on November 22, 2019 with a proposal to revise its process for converting its balancing and memorandum accounts into rates so that the process ensures backbone customers are not allocated local transmission costs.

Mobile Home Park Balancing Account – Gas (MHPBA) – (Attachment 2, Line 21)

The MHPBA records and recovers actual incurred costs of implementing the voluntary program to convert the gas master-meter/submeter service at mobile home parks and manufactured housing communities to direct service by PG&E, pursuant to D.14-03-021. Advice 3473-G provided that the disposition of the balance in the account shall be through the AGT, via the CFCA and NCA, or other venues as approved by the Commission. This AGT includes a forecast \$24.2 million undercollected balance in the MHPBA. The balance is recovered through the Distribution Subaccounts of the CFCA and NCA.

Discussion of Recent CPUC Proceedings and Advice Letters

The following section highlights recent decisions and advice letter submittals that impact PG&E's gas transportation revenue requirements and rates submitted in the AGT:

¹⁰ Issued September 23, 2019.

¹¹ Closure of the subaccount will occur around April 2020.

¹² If the storage subaccount is undercollected as of September 30, the balance will be transferred to earnings.

¹³ Decision 19-09-025, OP 93, approved PG&E's proposal to change the timing for the annual transfer in the Revenue Sharing subaccount to coincide with its other balancing accounts.

Recent Decisions

2017 Tax Act - GT&S and GRC

On March 31, 2018, PG&E filed Petitions for Modification of D.16-06-056 in PG&E's 2015 Gas Transmission and Storage (GT&S) rate case and D.17-05-013 in PG&E's 2017 General Rate Case (GRC) to revise the adopted revenue requirements to reflect the effects of the 2017 Tax Act. On August 15, 2019, the Commission issued D.19-08-021 and D.19-08-023 in the GT&S and GRC cases, respectively.

The Decisions required that PG&E work collaboratively with the Commission's Energy Division regarding the revised computations and the timing of the amortization of the revised revenue requirements in rates (Ordering Paragraph 4 in each decision). The Decisions also required that PG&E submit a Tier 2 advice letter within 30 days showing the results of its compliance with Ordering Paragraphs 3 and 4 (Ordering Paragraph 5 in each decision).

On September 13, 2019, PG&E submitted Advice 4142-G in compliance with the Decisions. The revenue requirements shown in this submittal reflect the updated revenue requirements and amortization as approved in Advice 4142-G, and detailed below:

- Gas Distribution: Amortization of the 2018 and 2019 revenue requirement increase of \$32.6 million over 12 months beginning on January 1, 2020; and
- Gas Transmission: Amortization of the 2018 revenue requirement reduction of \$61.1 million over 12 months beginning on January 1, 2020.¹⁴

2020 Cost of Capital (CoC)

On April 22, 2019 PG&E filed its Cost of Capital (CoC) 2020 Application (A.19-04-015), including proposed rate of return on equity (ROE) and rate of return on rate base (ROR) for electric and gas distribution, gas transmission, and electric generation. On November 25, 2019, the ALJ issued a proposed decision (PD) in the 2020 Cost of Capital proceeding. The PD maintains PG&E's ROE for the three year period beginning January 1, 2020 at 10.25%¹⁵. On December 19, 2019, the Commission voted to approve the PD and adopt D. 19-12-056, *Decision on Test Year 2020 Cost of Capital for the Major Energy Utilities*, approving the 10.25% ROE and 7.81% ROR. The 2020 CoC ROE and ROR are included in the 2020 revenue requirements and rates in this advice letter¹⁶.

¹⁴ The gas transmission credit of \$61.1 million is reflected in the AMCDOP forecasted balance.

¹⁵ The PD was revised on December 18, 2019 but did not propose any changes to the Utility's cost of capital or capital structure proposed in the PD.

¹⁶ The gas transmission portion of the Cost of Capital revenue requirement of \$5.6 million has been reflected in the AMCDOP forecasted balance.

Pending Decisions**2020 General Rate Case (GRC)**

On December 13, 2018 PG&E filed its 2020 General Rate Case Application (A.18-12-009), including proposed electric and gas distribution and electric generation revenue requirements. The Assigned Commissioner's Scoping Memo and Ruling was issued on March 8, 2019 and included the procedural schedule for the 2020 GRC which provides for issuance of a proposed decision in the first quarter of 2020. As such, the proposed 2020 GRC revenue requirements included in PG&E's 2020 GRC request are not reflected in the illustrative 2020 rates in this advice letter. Instead, the gas adopted 2019 distribution revenue requirement is carried forward for January 1, 2020 rates in this submittal.

2020 GRC Annual Adjustments (Attachment 1, Line 2)

On December 19, 2019, PG&E submitted Advice 4196-G/5720-E to update the GRC base revenues to reflect: (1) the 2020 Cost of Capital adjustment; (2) impacts from the 2017 Tax Act; and (3) Phase I Ex Parte Penalty. The gas distribution revenue requirement and effective RF&U are included in Attachment 1, line 2.

GT&S Rate Base Adjustment

On November 17, 2017, PG&E filed an application at the CPUC requesting that the Commission adopt its gas transmission (GT&S) revenue requirement, cost allocation, and rate design for the period of 2019-2022. On September 23, 2019, the CPUC voted to adopt the Decision 19-09-025, Decision Authorizing PG&E's 2019-2022 Revenue Requirement for Gas Transmission and Storage Service.

Ordering Paragraph 87 of that decision ordered PG&E to ... *"submit a Tier 2 Advice Letter with 30 days of the date that this decision is final to establish a memorandum account to track and record the difference in revenue requirement resulting from the difference between the year-end 2018 rate base balance (which includes PG&E's forecasted \$965 million of rate base additions) and the actual year end 2018 rate base balance. PG&E must refund to ratepayers any resulting overcollections in its 2019 Annual Gas True-up (AGT). PG&E shall update its AGT for each year of the rate case period to reflect that rate base adjustment, using the actual beginning 2019 recorded rate base balance, with all appropriate adjustments consistent with this decision."*

PG&E submitted AL 4169-G on October 23, 2019, in compliance with D. 19-09-025. In that AL, PG&E requested authority to establish Gas Preliminary Statement Part FC, Rate Base Adjustments Memorandum Account (RBAMA). In addition, PG&E included a forecast of the revenue requirement resulting from the difference between

the year-end 2018 rate base balance (which includes PG&E's forecasted rate base additions) and the actual year end 2018 rate base balance, a credit of \$8.7 million. On November 22, 2019, the Commission issued a suspension notice for AL 4169-G pending further review, therefore PG&E has not reflected the revenue requirement reduction in this advice letter, but will include these decreases as soon as practical after the advice letter is approved.

Efficiency Savings and Performance Incentive Mechanism (ESPI) – (Attachment 2, Line 9)

The ESPI mechanism was adopted on September 5, 2013, in D.13-09-023. In D.15-10-028, the Commission updated the timelines for ESPI review to comply with the new EE planning, budget, and review processes adopted in the same decision. The framework of the ESPI program was retained. The IOUs are required to submit an annual advice letter on September 1 of each year to claim their incentive awards.

PG&E submitted its ESPI advice letter 4137-G on September 3, 2019. The submittal requests \$21.6 million for PG&E's ESPI award for 2017 and 2018. Upon approval of advice 4137-G, PG&E will record the approved award amount to the Customer Energy Efficiency Adjustment balancing accounts allocating 76% to electric and 24% to gas according to the 2019 electric and gas net benefit split approved by disposition of PG&E's 2019 EE budget advice letter¹⁷. The gas portion of the award is \$5.2 million and is recovered through the CEEIA rate component. The Commission has not yet approved AL 4137-G, therefore PG&E has not reflected the ESPI award in this advice letter, but will include the incentive award as soon as practical after the advice letter is approved.

Self-Generation Incentive Program (SGIP)

On September 27, 2018, the Governor approved Senate Bill 700 which extends the collection for the SGIP through December 31, 2024, and the administration of the program to January 1, 2026. The Commission issued a ruling on April 15, 2019, "Assigned Commissioner's Ruling Seeking Comment On Implementation of Senate Bill 700 and Other Program Modifications." On May 30, 2019, PG&E submitted its opening comments on the Ruling. A decision has not been issued authorizing the 2020 SGIP budget. In this AGT submittal, PG&E has reflected the 2019 gas budget as authorized in Decision (D.) 17-04-017 of approximately \$12.9 million as a placeholder until the 2020 SGIP budget is approved. Current allocation to gas customers is based on Equal Cents per Therm adopted in the 2010 Biennial Cost Allocation Proceeding. The 2017 GRC Phase II D.18-08-013 approved a new cost allocation for SGIP based on a rolling 3-year average based on the direct benefit to each class. Resolution E-4926 issued April 26, 2018 proposed no changes to its gas cost allocation until its next adopted GCAP. PG&E is submitting a Tier 2 Advice Letter

¹⁷ The 24 percent allocation to gas customers was approved via Advice 4011-G-B/5375-E-B.

4197 on December 23, 2019 as instructed by the 2018 GCAP Decision (D.19-10-036, Ordering Paragraph 11) to update and implement the residential and non-residential gas rates resulting from the direction in the decision. PG&E will update the SGIP allocation method to the Direct Benefits year rolling average per D.18-08-013, when it implements the GCAP upon approval of Advice Letter 4197-G.

On December 11, 2019, Commissioner Rechtschaffen issued a PD ordering PG&E to allocate \$73 million annually for collection in years 2020-2024. The earliest the PD may be heard is January 16, 2020.

Greenhouse Gas (GHG) Natural Gas Costs and Revenue Return – (Attachment 1, Line 10)

On March 22, 2018, the Commission approved final decision D. 18-03-017 modifying D. 15-10-032 under Rulemaking 14-03-003. By this decision the Commission distributed GHG allowance proceeds solely to residential customers of the natural gas utilities. In addition, the Commission ordered that the residential natural gas California Climate Credit must be distributed in April of each year. GHG compliance costs were included in rates beginning July of 2018.

PG&E's 2020 forecasted greenhouse gas compliance and operational costs total \$191.4 million.¹⁸ The forecasted 2020 GHG proceeds of \$159.3 million¹⁹ will be distributed to residential customers on their April 2020 bills. Additionally, PG&E has included Tables A-E as required by D.15-10-032 and D.18-03-017, in Attachment 6 of this advice letter. These tables detail the forecasted and recorded GHG costs, including the Outreach and Administrative expenses, allowance proceeds, and Compliance Obligation over time.

On December 10, 2019, the Commission approved PG&E's AGT AL 4173-G via a non standard disposition letter with the following modifications: Tables C and D of Attachment 7, which pertain to the GHG Allowance Proceeds and GHG Outreach and Administrative Expenses were not approved. As detailed in the non-standard disposition letter, Senate Bill (SB) 1477, which was signed into law in 2018, allocates \$50 million each year starting in 2019 through 2023 from utility cap-and-trade auctions revenue to support two programs: Building Initiatives for Low emissions Development (BUILD) Program and the Technology and Equipment for Clean Heating (TECH) Initiative. SB 1477 is currently being implemented by the CPUC as part of the Building Decarbonization Proceeding. The CPUC expects to issue a resolution as it pertains to GHG proceeds for the four gas utilities via a separate resolution in 2020. PG&E has included GHG Tables C&D in this submittal as a placeholder until the CPUC issues that resolution.

¹⁸ Includes \$10.2 million overcollection from 2019.

¹⁹ Includes \$6.3 million overcollection from 2019.

Gas Public Purpose Program Authorized Funding

This AGT incorporates gas PPP surcharge changes that were submitted in Advice 4174-G on October 31, 2019. The gas PPP surcharge rate impacts on customers are shown in Attachment 1.

Public Utilities Code Sections 890-900 and D. 04-08-010 authorize a gas surcharge rate to fund public purpose programs. The gas PPP Surcharge advice letter updates the natural gas PPP surcharge rates to fund authorized energy efficiency (EE), energy savings assistance program (ESA), Statewide Marketing Education and Outreach (SWME&O) (for EE and ESA), CARE, public-interest research, development and demonstration (RD&D) programs and Board of Equalization (BOE) administrative costs.

The gas PPP surcharges proposed include:

- 1) Total gas PPP authorized program funding of \$149.1 million for EE, ESA, CARE administrative expenses, RD&D, BOE administrative costs and SWME&O administrative costs. This represents a \$12.2 million decrease from 2019;
- 2) Amortization over 12 months of forecasted December 31, 2019 balances in the PPP surcharge balancing accounts totaling a \$96 million overcollection. This represents an \$70.3 million decrease from 2019; and
- 3) A projected 2020 CARE revenue shortfall of \$129.4 million, which represents a \$3.0 million increase from the forecasted 2019 CARE customer discount. This shortfall is included in the PPP-CARE portion of the gas PPP surcharge rates for 2020 and accounted for as a reduction of net transportation revenue requirement in rates for a zero-sum impact on the total gas revenue requirement.

Gas Transmission and Storage Rates

On November 17, 2017, PG&E filed an application at the CPUC requesting that the Commission adopt its gas transmission & storage (GT&S) revenue requirement, cost allocation, and rate design for the period of 2019-2022. On September 12, 2019, the CPUC voted to adopt the Decision 19-09-025, *Decision Authorizing Pacific Gas and Electric Company's 2019-2022 Revenue Requirement for Gas Transmission and Storage Service*.

The following table shows total annual 2019 revenue requirements compared to the 2020 revenue requirements as authorized by D. 19-09-025. A portion of the backbone and the storage revenue requirements shown below are recovered in

PG&E's core procurement rates and from Core Transport Agents and are not included in the revenue requirement tables or rates provided in this advice letter. Recovery of these portions of the backbone and storage revenue requirements shown below will occur in PG&E's monthly procurement advice letters effective during 2020. In addition, in its 2019 GT&S rate case, PG&E received annual funding of approximately \$140 thousand for the Pacific Trading Forum event. PG&E plans to refund the 2019 -2022 authorized funding of \$588 thousand for this event back to customers. These customer refunds are reflected in the forecasted December 31, 2019 balances of Core Cost Subaccount of the CFCA and the Noncore Subaccount of the NCA.

Annual 2020 Gas Transmission and Storage Revenue Requirements
(\$ thousands)

Total Annual GT&S Revenue Requirements	GT&S 2019	GT&S 2020	Change
Total Backbone	\$357,828	\$479,453	\$121,625
Total Local Transmission ²⁰	799,286	856,625	57,339
Total Storage	135,756	55,783	(79,973)
Total NGSS	36,948	37,266	318
Total Customer Access Charge	2,428	2,404	(24)
Total GT&S ²¹	\$1,332,245	\$1,431,532	\$99,287

In addition to these 2020 revenue requirements, in this advice letter, PG&E will include \$59.6 million²² in rates on January 1, 2019 related to the net undercollection.

Confidentiality

Per GO 66-C, Section 583 of the Public Utilities Code, and D. 15-10-032, specific values in Attachment 7 are confidential as described in the attached confidentiality declaration.

²⁰ Pursuant to D. 19-09-025, Ordering Paragraph 82, PG&E submitted advice letter 4185-G on November 22, 2019, with a proposal to revise its process for converting its balancing and memorandum accounts into rates so that the process ensures backbone customers are not allocated local transmission costs.

²¹ Totals may not tie due to rounding.

²² See Attachment H, Table 2, line 13. Per D. 19-09-025, the net undercollection is to be collected in rates over 15 months, from October 1, 2019 through December 31, 2020.

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 days²³ after the date of this submittal. Protests must be submitted to:

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

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

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above. The protest shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

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

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

Effective Date

PG&E requests that this Tier 1 submittal be approved effective January 1, 2020.

²³ The 20-day protest period concludes on a weekend, therefore, PG&E is moving this date to the following business day.

Changes to core gas transportation rates will be incorporated into the monthly core procurement advice submittal for rates effective January 1, 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.09-05-026, A.17-09-006, R.02-10-001, A.13-12-012, A.17-11-009, A.15-09-001, A.18-12-009, A.19-04-015, A.13-09-015, R.14-03-003, R.12-11-005 and R.15-01-008. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

_____/S/

Erik Jacobson
Director, Regulatory Relations

Attachments

- Attachment 1: 2020 Revenue Requirements
- Attachment 1A: 2020 Revenue Requirements Allocation to Core/Noncore/Unbundled
- Attachment 2: Balancing Account Forecast Summary
- Attachment 3: Average End-User Gas Transportation Rates and Public Purpose Program Surcharges
- Attachment 4: Summary of Rates by Class by Major Elements
- Attachment 5: Allocation of Gas End-Use Transportation Revenue Requirements and Public Purpose Program Surcharge Revenues across Classes
- Attachment 6: Gas Transmission and Storage Rates
- Attachment 7: Natural Gas GHG Tables
 - Public Attachment 7:
 - Table A: Forecast Revenue Requirement
 - Table C: GHG Allowance Proceeds
 - Table D: GHG Outreach and Administrative Expense
 - Table E: Compliance Obligation Over Time
 - Confidential Attachment 7:
 - Table B: Recorded GHG Costs
 - PG&E's 2020 Natural Gas GHG Limit
- Attachment 8: Confidentiality Declaration
- Attachment 9: Tariffs

cc: 2009 Biennial Cost Allocation Proceeding (BCAP) (A.09-05-026) (Public Version)
2018 Gas Cost Allocation Proceeding (GCAP) (A.17-09-006) (Public Version)

Gas PPP Surcharge (R.02-10-001) (Public Version)
2015 Gas Transmission and Storage Proceeding (A.13-12-012) (Public Version)
2019 Gas Transmission and Storage Proceeding (A. 17-11-009) (Public Version)
2017 GRC Phase I (A.15-09-001) (Public Version)
2020 GRC Phase I (A.18-12-009) (Public Version)
2020 Cost of Capital (A.19-04-015) (Public Version)
AB 32 Natural Gas Supplier Cost Recovery (A.13-09-015) (Public Version)
Greenhouse Gas Natural Gas OIR (R.14-03-003) (Public Version)
Self Generation Incentive Program (R.12-11-005) (Public Version)
Natural Gas Leak Abatement (R.15-01-008) (Public Version)
Eugene Cadenasso, Energy Division (Public and Confidential Versions)



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) #: 4200-G

Tier Designation: 1

Subject of AL: Annual Gas True-Up of Gas Transportation Balancing Accounts for Rates Effective January 1, 2020

Keywords (choose from CPUC listing): Compliance, Balancing Account, Storage

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

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

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

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

Confidential treatment requested? ☒ Yes ☐ No

If yes, specification of confidential information: See Attachment 8

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: Robert Gomez, (415) 973-8681

Resolution required? ☐ Yes ☒ No

Requested effective date: 1/1/20

No. of tariff sheets: 33

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

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

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

Tariff schedules affected: See Attachment 9

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Erik Jacobson, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Clear Form

ATTACHMENT 1

PACIFIC GAS AND ELECTRIC COMPANY
JANUARY 1, 2020 RATE CHANGE
2019 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 10/1/19	B Proposed as of 1/1/2020	C Total Change	D Core	E Noncore / Unbundled	Line No.
END-USE GAS TRANSPORTATION							
1	Gas Transportation Balancing Accounts	343,266	335,282	(7,984)	42,626	(50,612)	1
2	GRC Distribution Base Revenues (includes distribution portion of Cost of Capital)	1,921,788	1,937,828	16,040	15,481	559	2
3	Pension - Distribution	47,699	47,699	-	-	-	3
4	Pension - Gas Transmission & Storage	18,013	18,013	-	(903)	903	4
5	Self Generation Incentive Program Revenue Requirement	12,990	12,989	(1)	-	-	5
6	CPUC Fee	11,661	11,661	-	-	-	6
7	Core Brokerage Fee Credit	(6,583)	(6,583)	-	-	-	7
8	Greenhouse Compliance Operational Cost (excluding RF&U)	19,428	15,856	(3,572)	(1,409)	(2,163)	8
9	Greenhouse Compliance Cost (excluding RF&U)	167,734	172,852	5,118	3,177	1,941	9
10	Greenhouse Compliance Revenue Return (including RF&U)	(128,831)	(159,288)	(30,457)	(30,457)	-	10
	Less CARE discount recovered in PPP surcharge from non-CARE customers	(126,435)	(129,374)	(2,939)	(2,940)	-	11
12	RF&U	6,849	6,760	(89)	591	(679)	12
13	Total Transportation RRQ with Adjustments and Credits	2,287,579	2,263,695	(23,884)	26,167	(50,051)	13
14	Procurement-Related G-10 Total	(698)	(659)	39	38	-	14
15	Procurement-Related G-10 Total Allocated	698	659	(39)	(15)	(23)	15
16	Total Transportation Revenue Requirements Reallocated	2,287,579	2,263,695	(23,884)	26,190	(50,074)	16
Gas Transmission & Storage (GT&S) Transportation Revenue Requirements (RRQ)							
17	Local Transmission	799,286	856,625	57,339	37,408	19,931	17
18	Customer Access	2,428	2,404	(24)	-	(24)	18
19	Total GT&S Transportation RRQ	801,714	859,029	57,315	37,408	19,908	19
20	2019 GT&S Late Implementation ¹						20
21	Local Transmission	17,595	4,168	(13,427)	(9,054)	(4,373)	21
22	Backbone	10,575	6,595	(3,980)	(1,479)	(2,501)	22
23	Storage	43,083	43,007	(76)	(64)	(12)	23
24	Total 2019 GT&S Late Implementation	71,253	53,770	(17,483)	(10,597)	(6,886)	24
25	Total End-Use Gas Transportation RRQ	3,160,546	3,176,494	15,948	53,001	(37,052)	25
PUBLIC PURPOSE PROGRAMS (PPP) FUNDING							
26	Energy Efficiency	67,877	84,513	16,636	(3,069)	19,705	26
27	Energy Savings Assistance	77,547	49,359	(28,188)	(20,421)	(7,767)	27
28	Research and Development and BOE/CPUC Admin Fees	11,221	10,295	(926)	(506)	(420)	28
29	CARE Administrative Expense	3,737	3,772	35	36	-	29
30	Statewide Marketing, Education & Outreach	854	1,139	285	13	272	30
31	Total Authorized PPP Funding	161,236	149,078	(12,158)	(23,948)	11,790	31
32	PPP Surcharge Balancing Accounts	(25,636)	(95,961)	(70,325)	(66,161)	(4,164)	32
33	CARE discount recovered from non-CARE customers	126,435	129,374	2,939	2,155	785	33
34	Total PPP Required Funding	262,035	182,491	(79,544)	(87,954)	8,411	34
GT&S UNBUNDLED COSTS							
35	Backbone Transmission	204,980	304,264	99,284	-	99,284	35
36	Storage	17,179	4,573	(12,606)	-	(12,606)	36
37	Total GT&S Unbundled	222,159	308,837	86,678	-	86,678	37
38	TOTAL REVENUE REQUIREMENTS	3,644,740	3,667,822	23,082	(34,953)	58,037	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.

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
JANUARY 1, 2020 RATE CHANGE**

**2019 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 1/1/2020	Core	Noncore / Unbundled	Line No.
END-USE GAS TRANSPORTATION					
1	Gas Transportation Balancing Accounts	335,282	355,229	(19,949)	1
2	GRC Distribution Base Revenues	1,937,828	1,870,364	67,464	2
3	Pension - Distribution	47,699	46,038	1,661	3
4	Pension - Gas Transmission & Storage	18,013	10,533	7,480	4
5	Self Generation Incentive Program Revenue Requirement	12,989	5,149	7,841	5
6	CPUC Fee	11,661	7,155	4,506	6
7	Core Brokerage Fee Credit	(6,583)	(6,583)	-	7
8	Greenhouse Compliance Obligation Cost (excluding RF&U)	15,856	6,253	9,603	8
9	Greenhouse Compliance Cost (excluding RF&U)	172,852	139,499	33,353	9
10	Greenhouse Compliance Revenue Return (excluding RF&U)	(159,288)	(159,288)	-	10
	Less CARE discount recovered in PPP surcharge from non-	(129,374)	(129,374)	-	
11	CARE customers				11
12	FF&U	6,760	6,490	271	12
13	Total Transportation RRQ with Adjustments and Credits	2,263,695	2,151,465	112,230	13
14	Procurement-Related G-10 Total	(659)	(659)	-	14
15	Procurement-Related G-10 Total Allocated	659	260	399	15
16	Total Transportation Revenue Requirements Reallocated	2,263,695	2,151,066	112,628	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	2019 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 2019 GT&S Late Implementation	53,770	63,662	(9,892)	24
25	Total End-Use Gas Transportation RRQ	3,176,494	2,803,633	372,861	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	3,667,822	2,909,338	758,484	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
JANUARY 1, 2020 RATE CHANGE
BALANCING ACCOUNT FORECAST SUMMARY**

(\$ THOUSANDS)

Line No.	Balance			Allocation			Balance ¹			Allocation			Line No.
	Nov. 2019 Recorded Dec. 2019 Forecast			Core	Noncore		Nov. 2018 Recorded Dec. 2018 Forecast			Core	Noncore		
	A	B	C				A	B	C				
GAS TRANSPORTATION BALANCING ACCOUNTS													
1	Core Fixed Cost Account (CFCA) - Distribution Cost Subaccount	\$293,862	\$293,862	\$0			\$235,566	\$235,566	\$0				1
2	CFCA - Core Cost Subaccount	\$3,470	\$3,470	\$0			\$11,370	\$11,370	\$0				2
3	Noncore Customer Class Charge Account (NCA) - Noncore Subaccount	(\$22,624)	\$0	(\$22,624)			(\$10,586)	\$0	(\$10,586)				3
4	NCA - Distribution Subaccount	(\$12,223)	\$0	(\$12,223)			(\$4,282)	\$0	(\$4,282)				4
5	Core Brokerage Fee Balancing Account	\$964	\$964	\$0			\$1,030	\$1,030	\$0				5
6	Hazardous Substance Mechanism	\$68,836	\$27,147	\$41,688			\$91,470	\$36,073	\$55,396				6
7	Balancing Charge Account	(\$2,029)	(\$800)	(\$1,229)			1,489	\$587	\$902				7
8	GT&S Ex Parte Penalty	\$0	\$0	\$0			(63,500)	(\$38,322)	(\$25,178)				8
9	Customer Energy Efficiency Incentive Recovery Account - Gas	\$2,937	\$2,911	\$25			612	\$607	\$5				9
10	California Solar Initiative Thermal Program Memorandum Account	\$8,477	\$5,013	\$3,464			7,358	\$4,350	\$3,008				10
11	Adjustment Mechanism of Costs Determined in Other Proceedings	(\$55,724)	(\$27,862)	(\$27,862)			37,952	\$18,976	\$18,977				11
12	Non-Tariffed Products and Services Balancing Account	(\$325)	(\$325)	\$0			(351)	(\$351)	\$0				12
13	AB 32 Cost of Implementation Fee	\$8,438 (2)	\$4,210	\$4,228			\$5,976	\$2,981	\$2,994				13
14	Gas Pipeline Expense and Capital Balancing Account	\$2	\$1	\$1			302	\$180	\$122				14
15	Engineering Critical Assessment Balancing Account	\$0	\$0	\$0			(63,847)	(\$38,532)	(\$25,315)				15
16	Natural Gas Leak Abatement Program Balancing Account	(\$2,520)	(\$1,928)	(\$592)			4,689	\$3,974	\$715				16
17	New Environmental Regulations Balancing Account	\$18,449	\$18,685	(\$236)			38,300	\$36,000	\$2,300				17
18	Pension Contribution Balancing Account	\$0	\$0	\$0			\$0	\$0	\$0				18
19	NGSS Enduser Depreciation/Decommissioning	\$43,073 (3)	\$27,503	\$15,570			42,756	\$27,269	\$15,487				19
20	GT&S Revenue Sharing Mechanism	(\$42,003) (4)	(\$21,001)	(\$21,002)			(8,867)	(\$4,433)	(\$4,433)				20
21	Mobile Home Park Balancing Account	\$24,222	\$23,379	\$843			15,829	\$15,278	\$551				21
22	Subtotal Transportation Balancing Accounts	\$335,282	\$355,229	(\$19,949)			\$343,266	\$312,603	\$30,663				22
PUBLIC PURPOSE PROGRAM (PPP) SURCHARGE BALANCING ACCOUNTS (5)													
23	PPP-Energy Efficiency	(\$15,372)	(\$10,551)	(\$4,821)			(\$4,064)	(\$3,657)	(\$407)				23
24	PPP-Low Income Energy Efficiency	(\$58,736)	(\$58,736)	\$0			\$795	\$716	\$80				24
25	PPP-Research Development and Demonstration	(\$122)	(\$71)	(\$51)			(\$128)	(\$75)	(\$54)				25
26	California Alternate Rates for Energy Account	(\$21,731)	(\$11,879)	(\$9,852)			(\$22,239)	(\$12,060)	(\$10,179)				26
27	Subtotal Public Purpose Program Balancing Accounts	(\$95,961)	(\$81,237)	(\$14,724)			(\$25,636)	(\$15,076)	(\$10,560)				27
28	TOTAL BALANCING ACCOUNTS	\$239,321	\$273,992	(\$34,673)			\$317,630	\$297,527	\$20,103				28

Footnotes:

- These balances are the forecasted balances as of December 2018. The December 2018 ending balances that were provided in the 2019 AGT AL 4053-G were the forecasted balances (based on recorded balances as of November 2018 with a forecast of December 2018 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
PACIFIC GAS AND ELECTRIC COMPANY
January 1, 2020 Final Dec Filing
AVERAGE END-USER GAS TRANSPORTATION RATES AND PUBLIC PURPOSE PROGRAM SURCHARGES
(\$/th; Annual Class Averages)⁽³⁾

Line

No.	Customer Class	November 2019 Baseline			January 1, 2020 Final Dec Filing			Percentage Change from November 2019 Baseline		
		(A)								
		Transportation ^(1, 5)	G-PPPS ⁽²⁾	Total	Transportation	G-PPPS	Total	Transportation	G-PPPS	Total
RETAIL CORE										
1	Residential Non-CARE ⁽⁴⁾	\$1.197	\$0.090	\$1.288	\$1.234	\$0.037	\$1.271	3.1%	(59.6%)	(1.3%)
2	Small Commercial Non-CARE ⁽⁴⁾	\$0.765	\$0.043	\$0.808	\$0.789	\$0.059	\$0.848	3.2%	35.7%	4.9%
3	Large Commercial	\$0.466	\$0.095	\$0.561	\$0.481	\$0.049	\$0.530	3.4%	(49.0%)	(5.5%)
4	NGV1 - (uncompressed service)	\$0.378	\$0.028	\$0.406	\$0.392	\$0.029	\$0.420	3.5%	1.6%	3.4%
5	NGV2 - (compressed service)	\$1.879	\$0.028	\$1.907	\$1.925	\$0.029	\$1.954	2.5%	1.6%	2.5%
RETAIL NONCORE - NONCOVERED ENTITIES ⁽⁶⁾										
6	Industrial - Distribution	\$0.322	\$0.044	\$0.366	\$0.301	\$0.059	\$0.359	(6.7%)	34.9%	(1.7%)
7	Industrial - Transmission	\$0.167	\$0.034	\$0.201	\$0.164	\$0.037	\$0.202	(1.7%)	8.4%	0.0%
8	Industrial - Backbone	\$0.068	\$0.034	\$0.102	\$0.055	\$0.037	\$0.092	(18.8%)	8.4%	(9.6%)
9	Electric Generation - Transmission (G-EG-D/LT)	\$0.156		\$0.156	\$0.154		\$0.154	(1.4%)		(1.4%)
10	Electric Generation - Backbone (G-EG-BB)	\$0.066		\$0.066	\$0.053		\$0.053	(20.2%)		(20.2%)
11	NGV 4 - Distribution (uncompressed service)	\$0.322	\$0.028	\$0.350	\$0.301	\$0.029	\$0.329	(6.7%)	1.6%	(6.0%)
12	NGV 4 - Transmission (uncompressed service)	\$0.157	\$0.028	\$0.185	\$0.155	\$0.029	\$0.184	(1.0%)	1.6%	(0.6%)
WHOLESALE CORE AND NONCORE (G-WSL) (1)										
13	Alpine Natural Gas	\$0.105		\$0.105	\$0.101		\$0.101	(3.3%)		(3.3%)
14	Coalinga	\$0.105		\$0.105	\$0.102		\$0.102	(3.3%)		(3.3%)
15	Island Energy	\$0.114		\$0.114	\$0.111		\$0.111	(3.0%)		(3.0%)
16	Palo Alto	\$0.102		\$0.102	\$0.099		\$0.099	(3.3%)		(3.3%)
17	West Coast Gas - Castle	\$0.310		\$0.310	\$0.282		\$0.282	(8.9%)		(8.9%)
18	West Coast Gas - Mather Distribution	\$0.372		\$0.372	\$0.337		\$0.337	(9.5%)		(9.5%)
19	West Coast Gas - Mather Transmission	\$0.106		\$0.106	\$0.103		\$0.103	(3.2%)		(3.2%)

- (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 \$0.00147 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 \$0.04893 and Operational Cost component of \$0.00219
- (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 \$0.04893 per therm times their monthly billed volumes.

Attachment 4
PACIFIC GAS AND ELECTRIC COMPANY
JANUARY 1, 2020 FINAL DEC FILING
SUMMARY OF RATES (excluding procurement) BY CLASS BY MAJOR ELEMENTS
(\$/th; Annual Class Averages)⁽⁹⁾

	Core Retail					Noncore Retail						
	Non-CARE Residential	Sml Com.	Lg. Comm.	G-NGV1 (Uncompressed)	G-NGV2 (Compressed)	Industrial			G-NGV 4		Electric Generation	
						Distribution	Transmission	BB-Level Serv.	Distribution	Transmission	Dist/Trans.	BB-Level Serv.
TRANSPORTATION CHARGE COMPONENTS												
1 Local Transmission (1)	\$2.1777	\$2.1777	\$2.1777	\$2.1777	\$2.1777	\$1.0029	\$1.002900	\$0.0000	\$1.0029	\$1.002900	\$1.0029	\$0.0000
2 Self Generation Incentive Program	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.0180	\$0.018003	\$0.0180	\$0.0180	\$0.018003	\$0.0180	\$0.0180
3 CPUC Fee (3)	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.0250	\$0.025030	\$0.0250	\$0.0250	\$0.025000	\$0.0010	\$0.0010
4 AB32 Air Resource Board Cost of Implementation Fee (8)	\$0.0147	\$0.0147	\$0.0147	\$0.0147	\$0.0147	\$0.0147	\$0.014723	\$0.0147	\$0.0147	\$0.014723	\$0.0147	\$0.0147
5 AB32 Greenhouse Gas Compliance & Obligation Cost	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.051130	\$0.0511	\$0.0511	\$0.051130	\$0.0511	\$0.0511
6 Balancing Accounts (2)	\$1.4382	\$0.7328	\$0.2396	\$0.0953	\$0.25468	(\$0.2838)	(\$0.028309)	(\$0.0210)	(\$0.2838)	(\$0.011941)	(\$0.0375)	(\$0.0465)
7 2019 GT&S Late Implementation Shortfall Amortization	\$0.02354	\$0.02354	\$0.02354	\$0.02354	\$0.02354	(\$0.0323)	(\$0.032300)	(\$0.0149)	(\$0.0323)	(\$0.032300)	(\$0.0323)	(\$0.0149)
8 GT&S Related Pension	\$0.00363	\$0.00363	\$0.00363	\$0.00363	\$0.00363	\$0.00194	\$0.0019408	\$0.00090	\$0.00194	\$0.0019408	\$0.00194	\$0.00090
9 Distribution - Annual Average (6)	\$7.8845	\$3.5494	\$1.5122	\$0.7899	\$1.36879	\$1.6924	\$0.0103992		\$1.6924		\$0.0326	\$0.0326
10 VOLUMETRIC RATE - Average Annual	\$1.23410	\$7.3005	\$4.7701	\$3.9035	\$1.92530	\$2.9675	\$1.634577	\$0.05420	\$2.9674	\$1.546922	\$1.5300	\$0.5250
11 CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent (4)		\$0.05888	\$0.0449	\$0.0120		\$0.0384	\$0.007616	\$0.00081	\$0.0384	\$0.007616	\$0.0086	\$0.0027
12 CLASS AVERAGE TRANSPORTATION RATE	\$1.23410	\$7.8893	\$4.8149	\$3.9155	\$1.92530	\$3.0059	\$1.642200	\$0.05501	\$3.0058	\$1.554538	\$1.5386	\$0.5277
13 PUBLIC PURPOSE PROGRAM SURCHARGE/TAX (5)	\$0.03651	\$0.05861	\$0.04870	\$0.02857	\$0.02857	\$0.05871	\$0.0372800	\$0.03728	\$0.02857	\$0.0285700		
14 END-USE RATE (7)	\$1.27061	\$8.4754	\$5.3019	\$4.2012	\$1.95387	\$3.5930	\$2.015000	\$0.09229	\$3.2915	\$1.840238	\$1.5386	\$0.5277

	Wholesale						
	Coalinga	Palo Alto	W/C Gas Mather		Island Energy	Alpine	W/C Gas Castle
			Dist.	Trans.			
TRANSPORTATION CHARGE COMPONENTS							
15 Local Transmission (1)	\$1.0029	\$1.0029	\$1.0029	\$1.0029	\$1.0029	\$1.0029	\$1.0029
16 Self Generation Incentive Program							
17 CPUC Fee (3)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
18 AB32 Air Resource Board Cost of Implementation Fee (8)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
19 AB32 Greenhouse Gas Compliance & Obligation Cost	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.0511	\$0.0511
20 Balancing Accounts (2)	(\$0.0324)	(\$0.0324)	(\$0.04699)	(\$0.0324)	(\$0.0324)	(\$0.0324)	(\$0.03628)
21 2019 GT&S Late Implementation Shortfall Amortization	(\$0.0323)	(\$0.0323)	(\$0.0323)	(\$0.0323)	(\$0.0323)	(\$0.0323)	(\$0.0323)
22 GT&S Related Pension	\$0.00194	\$0.00194	\$0.00194	\$0.00194	\$0.00194	\$0.00194	\$0.00194
23 Distribution - Annual Average			\$2.7782				\$2.0981
24 VOLUMETRIC RATE - Average Annual	\$1.14687	\$1.14687	\$3.8095	\$1.14687	\$1.14687	\$1.14687	\$3.32364
25 CUSTOMER ACCESS CHARGE - Class Average Volumetric Equivalent (4)	\$0.00384	\$0.00090	\$0.00483	\$0.00483	\$0.01263	\$0.00350	\$0.00763
26 CLASS AVERAGE TRANSPORTATION RATE	\$1.5071	\$1.14778	\$3.8577	\$1.5170	\$1.5950	\$1.5038	\$3.3127
Wholesale Customers Exempt from Public Purpose Program Surcharge							
27 PUBLIC PURPOSE PROGRAM SURCHARGE/TAX (5)							
28 END-USE RATE	\$1.5071	\$1.14778	\$3.8577	\$1.5170	\$1.5950	\$1.5038	\$3.3127
29 GHG COMPLIANCE COST EXEMPTION(9)	\$0.04893	\$0.04893	\$0.04893	\$0.04893	\$0.04893	\$0.04893	\$0.04893
30 END-USE RATE EXCLUDING GHG COMPLIANCE	\$1.0178	\$0.9885	\$3.3684	\$1.0277	\$1.1057	\$1.0145	\$2.8234

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, 2019 (including RF&U). G-EG customers pay a reduced CPUC fee per the 2010 BCAP D.10-06-035.
- (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 \$0.00147 per therm
- (9) Billed Transportation rates paid by all customers include an additional GHG Compliance Cost of \$0.04893 and Operational Cost component of \$0.00219. 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 \$0.04893 per therm times their monthly billed therms
- (10) Rates are unrounded

Attachment 5

PACIFIC GAS AND ELECTRIC COMPANY

January 1, 2020 Final Dec Filing

ALLOCATION OF GAS END-USE TRANSPORTATION REVENUE REQUIREMENTS AND PUBLIC PURPOSE PROGRAM SURCHARGE REVENUES ACROSS CLASSES
(\$000)

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	Reserved for Other Core Class	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	Coalinga	Palo Alto	Alpine Natural Gas	WC Gas Mather**	Island Energy	WC Gas Castle**	All Other Wholesale	Noncore & Wholesale
1	Customer	\$1,068,716	\$932,424	\$124,259	\$2,659	\$108	\$0	\$0	\$1,059,450	\$6,579	\$374	\$0	\$2,313	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,266
2	+ Distribution	\$887,494	\$618,948	\$199,311	\$8,795	\$1,492	\$0	\$0	\$828,546	\$37,896	\$14,374	\$0	\$6,364	\$0	\$0	\$0	\$0	\$174	\$0	\$139	\$0	\$58,948
3	+ G-NGV2 Compression Cost	\$3,121	\$0	\$0	\$0	\$0	\$3,121	\$0	\$3,121	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Allocation of Base Distribution Franchise Fees	\$19,475	\$15,420	\$3,216	\$114	\$16	\$31	\$0	\$18,797	\$442	\$147	\$0	\$86	\$0	\$0	\$0	\$0	\$2	\$0	\$1	\$0	\$678
5	Allocation of Base Distribution Uncollectibles Expense	\$6,721	\$5,323	\$1,110	\$39	\$5	\$11	\$0	\$6,488	\$153	\$51	\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$233
6	Final Allocation of Distribution Revenue Requirement	\$1,985,527	\$1,572,115	\$327,896	\$11,607	\$1,621	\$3,163	\$0	\$1,916,402	\$45,070	\$14,945	\$0	\$8,794	\$0	\$0	\$0	\$0	\$176	\$0	\$141	\$0	\$69,125
7	Distribution-Level Revenue Requirement Allocation %	100.00000%	79.17871%	16.51432%	0.58456%	0.08166%	0.15931%	0.00000%	96.51856%	2.26991%	0.75270%	0.00000%	0.44288%	0.00000%	0.00000%	0.00000%	0.00000%	0.00886%	0.00000%	0.00709%	0.00000%	3.48144%

Total Core Brokerage Fee (w/out F&U) (6,496) (6,583) With F&U

	CUSTOMER CLASS COSTS WITHOUT RATE COMPONENTS	TOTAL	Residential*	Small Commercial*	Large Commercial	Core NGV	Compression Cost for G-NGV2	Reserved for Other Core Class	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	Coalinga	Palo Alto	Alpine Natural Gas	WC Gas Mather**	Island Energy	WC Gas Castle**	All Other Wholesale	Noncore & Wholesale
8	Core Fixed Cost Acct. Bal. - Distribution Cost Subaccount	\$293,862	\$241,069	\$50,280	\$1,780	\$249	\$485	\$0	\$293,862	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Core Fixed Cost Acct. Bal. - Core Cost Subaccount - ECPT	\$3,470	\$2,408	\$949	\$89	\$24	\$0	\$0	\$3,470	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Mobile Home Parks Balancing Account	\$24,222	\$19,179	\$4,000	\$142	\$20	\$39	\$0	\$23,379	\$550	\$182	\$0	\$107	\$0	\$0	\$0	\$0	\$2	\$0	\$2	\$0	\$843
11	Noncore Customer Class Charge Account - ECPT	(\$22,624)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,324)	(\$7,305)	(\$59)	(\$13,720)	(\$27)	(\$12)	(\$162)	(\$3)	(\$5)	(\$3)	(\$3)	(\$181)	(\$22,624)
12	Noncore Customer Class Charge Account - Distribution Subacct	(\$12,223)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$7,970)	(\$2,643)	\$0	(\$1,555)	\$0	\$0	\$0	\$0	(\$31)	\$0	(\$25)	\$0	(\$12,223)
13	Gas Leak Survey & Repair Balancing Account	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	CFCA - NGSS Enduser Dist. Sub Acct Recovery	\$25,145	\$20,628	\$4,302	\$152	\$21	\$42	\$0	\$25,145	\$0	\$0	\$0	\$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	\$0	\$1	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
16	Hazardous Substance Balance	\$68,836	\$18,838	\$7,422	\$698	\$189	\$0	\$0	\$27,147	\$2,439	\$13,461	\$109	\$25,282	\$49	\$23	\$299	\$6	\$9	\$6	\$6	\$333	\$41,688
17	Non-Tariffed Products and Services	(\$325)	(\$225)	(\$89)	(\$8)	(\$2)	\$0	\$0	(\$325)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Core Brokerage Fee Credit (Gas Brokerage Costs w/o FF&U)	(\$5,468)	(\$3,795)	(\$1,495)	(\$141)	(\$38)	\$0	\$0	(\$5,468)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Core Brokerage Fee Credit (Sales/Marketing Costs w/o FF&U)	(\$1,028)	(\$904)	(\$121)	(\$3)	(\$0)	\$0	\$0	(\$1,028)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	GT&S Ex_Parte Penalty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
21	Balancing Charge Account	(\$2,029)	(\$555)	(\$219)	(\$21)	(\$6)	\$0	\$0	(\$800)	(\$72)	(\$397)	(\$3)	(\$745)	(\$1)	(\$1)	(\$9)	(\$0)	(\$0)	(\$0)	(\$0)	(\$10)	(\$1,229)
22	G-10 Procurement-related Employee Discount Allocated	\$660	\$181	\$71	\$7	\$2	\$0	\$0	\$260	\$23	\$129	\$1	\$243	\$0	\$0	\$3	\$0	\$0	\$0	\$0	\$3	\$400
23	Brokerage Fee Balance Account	\$964	\$669	\$264	\$25	\$7	\$0	\$0	\$964	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24	Adjust. Mechanism Costs Determined Other Proceedings	(\$55,724)	(\$19,334)	(\$7,617)	(\$717)	(\$194)	\$0	\$0	(\$27,862)	(\$1,630)	(\$8,997)	(\$73)	(\$16,897)	(\$33)	(\$15)	(\$200)	(\$4)	(\$6)	(\$4)	(\$4)	(\$222)	(\$27,862)
25	G-10 Procurement-related Employee Discount Applied to Res Class	(\$660)	(\$660)	\$0	\$0	\$0	\$0	\$0	(\$660)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
26	New Environmental Regulations Balancing Account(Transmission)	(\$1,539)	(\$421)	(\$166)	(\$16)	(\$4)	\$0	\$0	(\$607)	(\$55)	(\$301)	(\$2)	(\$565)	(\$1)	(\$1)	(\$7)	(\$0)	(\$0)	(\$0)	(\$0)	(\$7)	(\$932)
27	Natural Gas Leak Abatement Program Balancing Account (Transmission)	(\$884)	(\$242)	(\$95)	(\$9)	(\$2)	\$0	\$0	(\$349)	(\$31)	(\$173)	(\$1)	(\$325)	(\$1)	(\$0)	(\$4)	(\$0)	(\$0)	(\$0)	(\$0)	(\$4)	(\$535)
28	New Environmental Regulations Balancing Account(Distribution)	\$19,988	\$15,826	\$3,301	\$117	\$16	\$32	\$0	\$19,292	\$454	\$150	\$0	\$89	\$0	\$0	\$0	\$0	\$2	\$0	\$1	\$0	\$696
29	Engineering Critical Assessment Balancing Account	\$0	\$0	\$0	\$0	\$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)	(\$14,573)	(\$5,742)	(\$540)	(\$147)	\$0	\$0	(\$21,001)	(\$1,171)	(\$6,460)	(\$63)	(\$13,117)	(\$24)	(\$11)	(\$143)	(\$3)	(\$5)	(\$3)	(\$3)	(\$160)	(\$21,001)
31	CFCA/NCA - NGSS Enduser Sub Acct Recovery	\$5,979	\$1,636	\$645	\$61	\$16	\$0	\$0	\$2,358	\$211.88	\$1,169.29	\$9.46	\$2,196.07	\$4.26	\$1.97	\$25.96	\$0.50	\$0.82	\$0.48	\$0.55	\$29	\$3,621
32	Self Gen Incentive Program Forecast Period Cost	\$12,990	\$3,573	\$1,408	\$132	\$36	\$0	\$0	\$5,149	\$463	\$2,553	\$21	\$4,795	\$9	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,841
33	NCA - NGSS Enduser Sub Acct Recovery	\$11,949	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784	\$4,864	\$46	\$6,124	\$21	\$7	\$94	\$2	\$3	\$2	\$2	\$104	\$11,949
34	Natural Gas Leak Abatement Program Balancing Account (Distribution)	(\$1,636)	(\$1,296)	(\$270)	(\$10)	(\$1)	(\$3)	\$0	(\$1,579)	(\$37)	(\$12)	\$0	(\$7)	\$0	\$0	\$0	\$0	(\$0)	\$0	(\$0)	\$0	(\$57)
35	Subtotals of Items Transferred to CFCA and NCA	\$321,924	\$282,002	\$56,827.83	\$1,739.51	\$185.52	\$594	\$0	\$341,349	(\$7,364)	(\$3,777.96)	(\$15.47)	(\$8,095.19)	(\$2.15)	(\$8.08)	(\$103.04)	(\$2.06)	(\$30.67)	(\$2.10)	(\$24.06)	(\$115)	(\$19,425)
36	Franchise Fees and SF Gross Receipts and Uncoll. Exp. on Items Above	\$3,729	\$3,473	\$694	\$20	\$2	\$7	\$0	\$4,196	(\$112)	(\$131)	(\$1)	(\$219)	(\$0)	(\$0)	(\$2)	(\$0)	(\$0)	(\$0)	(\$0)	(\$2)	(\$467)
37	Subtotals with FF&U and Other Bal. Acct./Forecast Period Costs	\$325,654	\$285,475	\$57,521	\$1,760	\$187	\$602	\$0	\$345,545	(\$7,476)	(\$3,909)	(\$16)	(\$8,315)	(\$3)	(\$8)	(\$105)	(\$2)	(\$31)	(\$2)	(\$24)	(\$118)	(\$19,892)
38	Total of Items Collected via CFCA, NCA, and NDFCA	\$2,311,181	\$1,857,590	\$385,418	\$13,367	\$1,809	\$3,765	\$0	\$2,261,948	\$37,594	\$11,036	(\$16)	\$479	(\$3)	(\$8)	(\$105)	(\$2)	\$145	(\$2)	\$116	(\$118)	\$49,233

	CUSTOMER CLASS COSTS WITH THEIR OWN RATE COMPONENTS ALLOCATED USING BCAP THROUGHPUT	TOTAL	Residential*	Small Commercial*	Large Commercial	Core NGV	Compression Cost for G-NGV2	Reserved for Other Core Class	Subtotal Core	Industrial Distribution	Industrial Transmission	Industrial Backbone	Electric Gen	Noncore NGV	Coalinga	Palo Alto	Alpine Natural Gas	WC Gas Mather**	Island Energy	WC Gas Castle**	All Other Wholesale	Noncore & Wholesale
39	CEE Incentive	\$2,937	\$2,562	\$341	\$7	\$0	\$0	\$0	\$2,911	\$18	\$1	\$0	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$25
40	AB32 ARB Implementation Fee	\$8,438	\$2,922	\$1,151	\$108	\$29	\$0	\$0	\$4,210	\$378	\$2,084	\$17	\$1,741	\$8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,228
41	CA Solar Hot Water Heating	\$8,477	\$3,221	\$1,601	\$151	\$41	\$0	\$0	\$5,013	\$526	\$2,903	\$23	\$0	\$11	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,464
42	AB32 GHG Operations Cost	\$15,856	\$4,339	\$1,710	\$161	\$44	\$0	\$0	\$6,253	\$562	\$3,101	\$25	\$5,824	\$11	\$5	\$69	\$1	\$2	\$1	\$1	\$77	\$9,603
43	AB32 GHG Compliance Cost	\$172,852	\$97,094	\$38,031	\$3,398	\$976	\$0	\$0	\$139,499	\$12,369	\$13,560	\$86	\$7,086	\$253	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,353
44	AB32 Cap & Trade - Allowance Return (Incl. RF&U)	(\$159,288)	(\$159,288)	\$0	\$0	\$0	\$0	\$0	(\$159,288)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	CPUC FEE	\$11,661	\$4,967	\$1,953	\$184	\$50	\$0	\$0	\$7,155	\$643	\$3,550	\$29	\$271	\$13	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,506
46	Subtotals for Customer Class Charge Items	\$60,933	(\$44,182)	\$44,786	\$4,009	\$1,140	\$0	\$0	\$5,754	\$14,496	\$25,199	\$180	\$14,928	\$295	\$5	\$69	\$1	\$2	\$1	\$1	\$77	\$55,179
47	Franchise Fees and SF Gross Receipts and Uncoll. Exp. on Items Above	\$2,944	\$1,539	\$599	\$54	\$15	\$0	\$0	\$2,207	\$194	\$337	\$2	\$200	\$4	\$0	\$1	\$0	\$0	\$0	\$0	\$1	\$737
48	Subtotals of Other Costs	\$63,877	(\$42,643)	\$45,385	\$4,063	\$1,156	\$0	\$0	\$7,961	\$14,690	\$25,536	\$183	\$15,127	\$299	\$5	\$70	\$1	\$2	\$1	\$1	\$77	\$55,916
49	Allocation of Total Transportation Costs prior to GT&S-related Costs	\$2,375,058	\$1,814,947	\$430,803	\$17,429	\$2,965	\$3,765	\$0	\$2,269,909	\$52,284	\$36,572	\$166	\$15,606	\$296	(\$3)	(\$36)	(\$1)	\$147	(\$1)	\$118	(\$40)	\$105,150

Attachment 6

Gas Transmission and Storage Rates

APPENDIX H:

RATES

APPENDIX H
Pacific Gas and Electric Company
2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
Rates
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2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
APPENDIX H: Table 1
PACIFIC GAS AND ELECTRIC COMPANY
Adopted GT&S Revenue Requirement
Including Core and Noncore Revenue Responsibility
(\$ Thousand)

Line No.		2015 GT&S	2019 Gas Transmission & Storage Rate Case			
		Rate Case	2019	2020	2021	2022
	Core Revenue Requirements					
1	Backbone Transmission Base	130,370	152,847	175,189	183,231	191,351
2	Backbone Transmission Adders	-	-	-	-	-
3	Subtotal Backbone Transmission	130,370	152,847	175,189	183,231	191,351
4	Local Transmission Base	536,850	551,496	588,905	624,560	650,937
5	Local Transmission Adder	-	-	-	-	-
6	Subtotal Local Transmission	536,850	551,496	588,905	624,560	650,937
7	Storage	76,868	118,576	51,211	24,788	24,377
8	Customer Access Charge	-	-	-	-	-
9	Total Core GT&S	\$744,087	\$822,920	\$815,305	\$832,579	\$866,665
10	NGSS Enduser Depreciation/Decommissioning	\$0	\$27,269	\$27,503	\$27,522	\$27,538
11	Total Core	\$744,087	\$850,189	\$842,809	\$860,101	\$894,203
12	Core Share of Revenue Requirement	60.4%	63.5%	58.5%	56.3%	56.2%
	Noncore / Unbundled Revenue Requirements					
13	Backbone Trans. Base w/o G-XF Contracts	211,111	199,624	298,647	351,899	365,928
14	Backbone Transmission Adders	-	-	-	-	-
15	Subtotal Backbone Transmission	211,111	199,624	298,647	351,899	365,928
16	G-XF Contracts	5,972	5,356	5,617	5,790	5,904
17	G-XF Contract Adders	-	-	-	-	-
18	G-XF Contracts Subtotal	5,972	5,356	5,617	5,790	5,904
19	Subtotal Backbone Transmission	217,083	204,980	304,264	357,689	371,832
20	Local Transmission Base	255,490	247,789	267,720	285,766	301,851
21	Local Transmission Adder	-	-	-	-	-
22	Subtotal Local Transmission	255,490	247,789	267,720	285,766	301,851
23	Storage	13,783	17,179	4,573	-	-
24	Customer Access Charge	2,507	2,428	2,404	2,369	2,331
25	Total Noncore / Unbundled	\$488,863	\$472,376	\$578,961	\$645,824	\$676,014
26	NGSS Enduser Depreciation/Decommissioning	0	9,679	9,762	9,769	9,775
27	Total Noncore/Unbundled	\$488,863	\$482,055	\$588,724	\$655,593	\$685,788
28	Noncore Share of Revenue Requirement	39.6%	36.5%	41.5%	43.7%	43.8%
	Total					
29	Backbone Transmission Base w/o G-XF Contracts	341,481	352,472	473,836	535,129	557,279
30	Backbone Transmission Adders	-	-	-	-	-
31	Subtotal Backbone Trans. w/o G-XF Contracts	341,481	352,472	473,836	535,129	557,279
32	G-XF Contracts	5,972	5,356	5,617	5,790	5,904
33	G-XF Contract Adders	-	-	-	-	-
34	G-XF Contracts Subtotal	5,972	5,356	5,617	5,790	5,904
35	Subtotal Backbone Transmission	347,453	357,828	479,453	540,920	563,182
36	Local Transmission Base	792,339	799,286	856,625	910,326	952,788
37	Local Transmission Adder	-	-	-	-	-
38	Subtotal Local Transmission	792,339	799,286	856,625	910,326	952,788
39	Storage	90,651	135,756	55,784	24,788	24,377
40	Customer Access Charge	2,507	2,428	2,404	2,369	2,331
41	Total GT&S	\$1,232,950	\$1,295,297	\$1,394,266	\$1,478,402	\$1,542,678
42	NGSS Enduser Depreciation/Decommissioning	0	36,948	37,266	37,291	37,313
43	Total Gas Transmission and Storage System	\$1,232,950	\$1,332,245	\$1,431,532	\$1,515,693	\$1,579,991
44	Total Revenue Requirement Share	100.0%	100.0%	100.0%	100.0%	100.0%

2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
APPENDIX H: Table 2
PACIFIC GAS AND ELECTRIC COMPANY
Adopted 2019 GT&S Undercollection (\$)
Amortization Over 15 Months Beginning October 1, 2019

		2018 Authorized ⁽¹⁾	2019 Adopted	Total Annual Undercollection	9 Months (January - September)	Annualized (12 Month) RRQ ⁽²⁾
Line	Core	A	B	C = B - A	D = C / 12 * 9	E = D / 15 * 12
1	Local Transmission	536,849,533	551,496,496	14,646,963	10,985,222	8,788,178
2	Storage (Includes Carrying Cost on Working Gas)	76,867,779	118,576,498	41,708,719	31,281,539	25,025,231
3	Backbone	130,369,750	152,847,345	22,477,595	16,858,196	13,486,557
4	NGSS End-User Depreciation/Decommissioning	-	27,269,036	27,269,036	20,451,777	16,361,421
5	Subtotal	744,087,061	850,189,374	106,102,313	79,576,734	63,661,388
	Noncore					
6	Local Transmission	255,489,864	247,789,094	(7,700,770)	(5,775,578)	(4,620,462)
7	Storage (Includes Carrying Cost on Working Gas)	13,783,258	17,179,230	3,395,972	2,546,979	2,037,583
8	Backbone (Excludes G-XF)	211,110,783	199,624,284	(11,486,499)	(8,614,874)	(6,891,899)
9	NGSS End-User Depreciation/Decommissioning	-	9,679,126	9,679,126	7,259,344	5,807,475
10	Subtotal	480,383,905	474,271,733	(6,112,171)	(4,584,129)	(3,667,303)
11	Line 401 G-XF Contracts	5,972,059	5,356,026	(616,033)	(462,025)	(369,620)
12	Customer Access Charge - Transmission	2,507,174	2,427,739	(79,435)	(59,577)	(47,661)
13	Total 2019 GT&S Undercollection RRQ	\$ 1,232,950,199	\$ 1,332,244,871	\$ 99,294,673	\$ 74,471,004	\$ 59,576,804

- Notes:
- (1) The GT&S revenues collected in rates for 2019 pending implementation of the 2019 GT&S Decision are based upon the 2018 Authorized Revenue Requirement (RRQ) from the 2015 GT&S Rate Case Decision, which did not include a revenue requirement for Line 407. Authorized amounts pursuant to Gas Preliminary Statement Part C2, revised Cal. P.U.C. Sheet No. 34769-G, as filed in Advice 4053-G. The difference between this amount and the Adjusted Authorized RRQ for 2018 as shown in Appendix C: Table 1 is due to adjustments made outside of GT&S rate cases not yet reflected in rates. See footnote 1, Appendix C: Table 1 for details.
 - (2) The 2019 Authorized GT&S RRQ does not include any prior period (i.e. 2017 and 2018) Line 407 recovery.
 - (3) Late Implementation Amortization is collected in end-user rates pursuant to Gas Preliminary Statement Part DD, Gas Transmission & Storage Memorandum Account (GTSMA).

Reconciliation to Attachment 1, Line 24, Total 2019 GT&S Late Implementation	
Total 2019 GT&S Undercollection, Annualized RRQ (see above)	\$ 59,576,804
Less: Non-Core NGSS End-User Depreciation/Decommissioning (see above)	\$ (5,807,475)
Total as shown in Attachment 1, Line 25, Total 2019 GT&S Late Implementation	\$ 53,769,328

2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
APPENDIX H: Table 3
PACIFIC GAS AND ELECTRIC COMPANY
Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months
End-Use Class Average Rates (\$/dth) (5)/(7)

Line No.	Rates Effective Jan 1, 2019 (net of 2015 GT&S Late Implementation)						Illustrative Average Rates Effective 2020 with Adopted 2019 GT&S (Year 2020 Components)			Illustrative Average Rates Effective 2021 with Adopted 2019 GT&S (Year 2021 Components)			Illustrative Average Rates Effective 2022 with Adopted 2019 GT&S (Year 2022 Components)		
	Jan 1, 2019 (1)	Implementation (2)	% Change due to Removal of 2015 GT&S Late Implementation	2019 with Adopted 2019 GT&S (Year 2019 Components)	\$ Change (6)	% Change	Components)	\$ Change (6)	% Change	Components)	\$ Change (6)	% Change	Components)	\$ Change (6)	% Change
	A	B	C = (B - A) / A	D	E = D - B	F = E / B	G	H = G - D	I = H / D	J	K = J - G	L = K / G	M	N = M - J	O = N / J
Core Retail Bundled Service (3)(8)															
1 Residential Non-CARE*	16.086	15.588	-3.1%	16.299	0.711	4.6%	16.304	0.006	0.0%	16.153	-0.151	-0.9%	16.291	0.139	0.9%
2 Small Commercial Non-CARE*	11.195	10.697	-4.5%	11.329	0.631	5.9%	11.361	0.033	0.3%	11.222	-0.139	-1.2%	11.358	0.136	1.2%
3 Large Commercial	8.492	7.994	-5.9%	8.535	0.541	6.8%	8.615	0.080	0.9%	8.496	-0.119	-1.4%	8.628	0.132	1.6%
4 Uncompressed Core NGV	6.938	6.439	-7.2%	6.964	0.525	8.2%	7.052	0.088	1.3%	6.936	-0.116	-1.6%	7.067	0.131	1.9%
5 Compressed Core NGV	21.694	21.195	-2.3%	21.870	0.675	3.2%	21.959	0.089	0.4%	21.843	-0.116	-0.5%	21.975	0.132	0.6%
Core Retail Transport Only (4)															
6 Residential Non-CARE*	12.936	12.437	-3.9%	12.901	0.464	3.7%	13.062	0.161	1.2%	12.971	-0.091	-0.7%	13.080	0.108	0.8%
7 Small Commercial Non-CARE*	8.209	7.710	-6.1%	8.127	0.416	5.4%	8.287	0.161	2.0%	8.196	-0.092	-1.1%	8.304	0.108	1.3%
8 Large Commercial	5.793	5.295	-8.6%	5.677	0.382	7.2%	5.838	0.160	2.8%	5.746	-0.092	-1.6%	5.855	0.108	1.9%
9 Uncompressed Core NGV	4.261	3.762	-11.7%	4.135	0.373	9.9%	4.295	0.160	3.9%	4.204	-0.092	-2.1%	4.312	0.108	2.6%
10 Compressed Core NGV	19.017	18.518	-2.6%	19.041	0.523	2.8%	19.203	0.162	0.8%	19.111	-0.091	-0.5%	19.220	0.109	0.6%
Noncore Retail Transportation Only (4)															
11 Industrial – Distribution	3.757	3.565	-5.1%	3.665	0.100	2.8%	3.746	0.080	2.2%	3.824	0.078	2.1%	3.868	0.044	1.1%
12 Industrial – Transmission	2.128	1.936	-9.0%	2.034	0.098	5.1%	2.115	0.080	4.0%	2.193	0.078	3.7%	2.237	0.044	2.0%
13 Industrial – Backbone	1.034	1.038	0.4%	1.062	0.024	2.3%	1.062	0.000	0.0%	1.061	-0.002	-0.1%	1.061	0.000	0.0%
14 Uncompressed Noncore NGV – Distribution	3.603	3.411	-5.3%	3.511	0.100	2.9%	3.592	0.080	2.3%	3.670	0.078	2.2%	3.714	0.044	1.2%
15 Uncompressed Noncore NGV – Transmission	1.966	1.774	-9.8%	1.873	0.098	5.5%	1.953	0.080	4.3%	2.031	0.078	4.0%	2.075	0.044	2.1%
16 Electric Generation – Distribution/Transmission	1.679	1.487	-11.4%	1.590	0.102	6.9%	1.670	0.080	5.1%	1.748	0.078	4.7%	1.792	0.044	2.5%
17 Electric Generation – Backbone	0.681	0.686	0.6%	0.710	0.024	3.5%	0.710	0.000	0.0%	0.709	-0.002	-0.2%	0.709	0.000	0.0%
Wholesale Transportation Only (4)															
18 Alpine Natural Gas	1.644	1.452	-11.7%	1.556	0.103	7.1%	1.636	0.080	5.2%	1.714	0.078	4.8%	1.758	0.043	2.5%
19 Coalinga	1.648	1.456	-11.7%	1.559	0.103	7.1%	1.640	0.080	5.2%	1.718	0.078	4.8%	1.761	0.043	2.5%
20 Island Energy	1.759	1.567	-10.9%	1.648	0.080	5.1%	1.727	0.080	4.8%	1.805	0.077	4.5%	1.847	0.042	2.4%
21 Palo Alto	1.622	1.430	-11.8%	1.530	0.100	7.0%	1.610	0.080	5.3%	1.688	0.078	4.9%	1.732	0.044	2.6%
22 West Coast Gas - Castle	3.687	3.495	-5.2%	3.593	0.098	2.8%	3.673	0.080	2.2%	3.751	0.078	2.1%	3.794	0.043	1.1%
23 West Coast Gas - Mather D	4.301	4.109	-4.5%	4.212	0.103	2.5%	4.292	0.080	1.9%	4.370	0.078	1.8%	4.413	0.043	1.0%
24 West Coast Gas - Mather T	1.658	1.466	-11.6%	1.569	0.103	7.0%	1.649	0.080	5.1%	1.727	0.078	4.7%	1.771	0.043	2.5%

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

Notes:

- January 1, 2019 rates are based on PG&E's January 1, 2019 rate change filing per Advice Letter 4053-G with adopted 2018 GT&S components.
- 2015 GT&S Late Implementation Amortization charge removed from rates effective August 1, 2019 pursuant to Decision 16-06-056.
- PG&E's bundled gas service is available to core customers only. Intrastate backbone transmission and storage costs addressed in this proceeding are included in end-use rates paid by bundled core customers. Bundled service also includes a procurement cost for gas purchases, shrinkage, transportation on Canadian and Interstate pipelines, core brokerage, and franchise fees and uncollectibles expense. The illustrative annual average rates for these elements are based on the illustrative revenue requirements shown on PG&E's Preliminary Statement Part C2. Core bundled rates also includes the cost of transportation and delivery of gas from the citygate to the customer's burnerip, including local transmission, distribution, customer access, public purpose, and mandated programs and other charges.
- PG&E's transportation-only gas service is for core and noncore customers. Transportation-only service begins at PG&E's citygate and includes the applicable costs of gas transportation and delivery on PG&E's local transmission, including distribution, customer access, public purpose programs and customer class charges. Transportation-only rates exclude backbone transmission and storage costs.
- Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage. Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- Dollar differences are due to rounding.
- Billed Transportation rate paid by all customers includes an additional GHG Compliance Cost and Operational Cost component equal to \$0.4781 and \$0.0268 respectively, as of January 1, 2019. 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 credit on their bill equal to the GHG Compliance Cost (\$0.4781 as of January 1, 2019) per decatherm times their monthly billed decatherms.
- Beginning 2020, the core bundled end-user rates represent a weighted average of the January and April storage rate components as provided on Tables 6 through 11.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 4

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

End-Use Noncore and Wholesale Class Average Rates with Procurement Proxy (\$/dth) (1)(4)(6)

Line No.		Noncore Retail with Procurement Proxy (1)					Wholesale with Procurement Proxy (1)			Wholesale with Procurement Proxy (1)			Wholesale with Procurement Proxy (1)			
		Rates Effective Jan 1, 2019 (2)	Rates Effective Jan 1, 2019 (net of 2015 GT&S Late Implementation) (3)	% Change due to Removal of 2015 GT&S Late Implementation	Illustrative Rates Effective October 2019 with Adopted 2019 GT&S (Year 2019 Components)	\$ Change (5)	% Change	Illustrative Average Rates Effective 2020 with Adopted 2019 GT&S (Year 2020 Components)	\$ Change (5)	% Change	Illustrative Average Rates Effective 2021 with Adopted 2019 GT&S (Year 2021 Components)	\$ Change (5)	% Change	Illustrative Average Rates Effective 2022 with Adopted 2019 GT&S (Year 2022 Components)	\$ Change (5)	% Change
		A	B	C = (B - A) / A	D	E = D - B	F = E / B	G	H = G - D	I = H / D	J	K = J - G	L = K / G	M	N = M - J	O = N / J
1	Industrial – Distribution	6.297	6.105	-3.0%	6.266	0.161	2.6%	6.403	0.14	2.2%	6.505	0.102	1.6%	6.571	0.066	1.0%
2	Industrial – Transmission	4.668	4.476	-4.1%	4.635	0.159	3.6%	4.772	0.14	2.9%	4.874	0.102	2.1%	4.940	0.066	1.3%
3	Industrial – Backbone	3.574	3.578	0.1%	3.663	0.085	2.4%	3.719	0.06	1.5%	3.742	0.023	0.6%	3.764	0.022	0.6%
4	Uncompressed Noncore NGV – Distribution	6.143	5.951	-3.1%	6.112	0.161	2.7%	6.249	0.14	2.2%	6.351	0.102	1.6%	6.417	0.066	1.0%
5	Uncompressed Noncore NGV – Transmission	4.506	4.314	-4.3%	4.474	0.159	3.7%	4.610	0.14	3.1%	4.713	0.102	2.2%	4.778	0.066	1.4%
6	Electric Generation – Distribution/Transmission	4.220	4.028	-4.6%	4.191	0.163	4.0%	4.327	0.14	3.3%	4.430	0.102	2.4%	4.495	0.066	1.5%
7	Electric Generation – Backbone	3.222	3.226	0.1%	3.311	0.085	2.6%	3.367	0.06	1.7%	3.390	0.023	0.7%	3.412	0.022	0.7%
8	Alpine Natural Gas	4.185	3.993	-4.6%	4.157	0.164	4.1%	4.293	0.14	3.3%	4.395	0.102	2.4%	4.461	0.066	1.5%
9	Coalinga	4.188	3.996	-4.6%	4.160	0.164	4.1%	4.297	0.14	3.3%	4.399	0.102	2.4%	4.465	0.066	1.5%
10	Island Energy	4.299	4.107	-4.5%	4.249	0.141	3.4%	4.385	0.14	3.2%	4.486	0.101	2.3%	4.550	0.065	1.4%
11	Palo Alto	4.162	3.970	-4.6%	4.131	0.161	4.0%	4.267	0.14	3.3%	4.370	0.102	2.4%	4.436	0.066	1.5%
12	West Coast Gas - Castle	6.227	6.035	-3.1%	6.194	0.159	2.6%	6.330	0.14	2.2%	6.432	0.102	1.6%	6.497	0.065	1.0%
13	West Coast Gas - Mather D	6.841	6.649	-2.8%	6.812	0.164	2.5%	6.949	0.14	2.0%	7.051	0.102	1.5%	7.117	0.066	0.9%
14	West Coast Gas - Mather T	4.198	4.006	-4.6%	4.170	0.164	4.1%	4.307	0.14	3.3%	4.409	0.102	2.4%	4.474	0.066	1.5%

Notes:

- Among PG&E's bundled core classes, the NGV load profile most closely resembles that of noncore classes. Therefore, the average NGV procurement rate (excluding bundled storage) is used as a proxy for what noncore customers pay to third party marketers and brokers.
- January 1, 2019 rates are based on PG&E's January 1, 2019 rate change filing per Advice Letter 4053-G with adopted 2018 GT&S components.
- 2015 GT&S Late Implementation Amortization charge removed from rates effective August 1, 2019 pursuant to Decision 16-06-056.
- Rates are class average rates. Actual transportation rates will vary depending on the customer's load factor and seasonal usage. Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- Dollar differences are due to rounding.
- Billed Transportation rate paid by all customers includes an additional GHG Compliance Cost and Operational Cost component equal to \$0.4781 and \$0.0268 respectively, as of January 1, 2019. 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 credit on their bill equal to the GHG Compliance Cost (\$0.4781 as of January 1, 2019) per decatherm times their monthly billed decatherms.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 5

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

Rates Effective October 1, 2019 with Adopted 2019 GT&S Rates (2019 Components) By End-Use Customer Class (a)(b)
(\$/dth)

	Core					Noncore Transportation						
	Res	Small	Large	Uncomp.	Comp.	Industrial		Natural Gas Vehicle			Electric Gen	
		Comm	Comm	NGV	NGV	Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.0198	2.0198	2.0198	2.0198	2.0198	0.9226	0.9226	0.0000	0.9226	0.9226	0.9226	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1098	0.0619	0.0283	0.0185	0.1686	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (d)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (e)	0.2332	0.2332	0.2332	0.2332	0.2332	(0.0157)	(0.0157)	0.0015	(0.0157)	(0.0157)	(0.0157)	0.0015
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6663	0.1024	0.0000	1.6663	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	11.9966	7.1058	4.6783	3.8417	18.7599	3.1914	1.6829	0.7101	3.1914	1.5840	1.5811	0.7072
CAC - Class Avg Volumetric Equivalent (c)		0.5888	0.0449	0.0120	0.0000	0.0388	0.0076	0.0081	0.0388	0.0076	0.0086	0.0026
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0.0000	0.0000
Total Rate	12.9013	8.1265	5.6774	4.1348	19.0410	3.6652	2.0344	1.0621	3.5112	1.8727	1.5897	0.7098
Procurement Charges for Core Bundled Customers:												
Storage	0.4148	0.3512	0.2434	0.2282	0.2282							
Backbone Capacity	0.3605	0.3006	0.1931	0.1871	0.1871							
Backbone Usage	0.1464	0.1464	0.1464	0.1464	0.1464							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5756	0.5037	0.3746	0.3674	0.3674							
Total Core Procurement	3.3974	3.2020	2.8577	2.8292	2.8292							
Total Core Bundled Rates	16.2987	11.3285	8.5351	6.9640	21.8702							
Wholesale Transportation												
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans					
End-Use Transportation:												
Local Transmission	0.9226	0.9226	0.9226	0.9226	0.9226	0.9226	0.9226					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049					
2019 Storage Transition Costs Recovery	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217					
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744					
2015 GT&S Late Implementation Amortization (d)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
2019 GT&S Late Implementation Amortization (e)	(0.0157)	(0.0157)	(0.0157)	(0.0157)	(0.0157)	(0.0157)	(0.0157)					
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128					
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000					
Volumetric Rate - Annual Average	1.5207	1.5207	1.5207	1.5207	3.5163	4.1632	1.5207					
CAC - Class Avg Volumetric Equivalent (c)	0.0352	0.0385	0.1268	0.0091	0.0767	0.0484	0.0484					
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.5559	1.5592	1.6476	1.5298	3.5930	4.2115	1.5691					

Notes:

- Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- 2019 GT&S Late Implementation Amortization effective October 1, 2019.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

**APPENDIX H: Table 6
PACIFIC GAS AND ELECTRIC COMPANY**

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

**Unaveraged January 1, 2020 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)**

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial		Natural Gas Vehicle		Electric Gen		
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.1777	2.1777	2.1777	2.1777	2.1777	1.0029	1.0029	0.0000	1.0029	1.0029	1.0029	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1107	0.0624	0.0286	0.0187	0.1701	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.2354	0.2354	0.2354	0.2354	0.2354	(0.0158)	(0.0158)	0.0015	(0.0158)	(0.0158)	(0.0158)	0.0015
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6667	0.1024	0.0000	1.6667	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.1578	7.2665	4.8388	4.0021	18.9216	3.2722	1.7634	0.7103	3.2722	1.6644	1.6616	0.7074
CAC - Class Avg Volumetric Equivalent (d)		0.5888	0.0449	0.0120	0.0000	0.0384	0.0076	0.0081	0.0384	0.0076	0.0086	0.0027
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0.0000	0.0000
Total Rate	13.0625	8.2873	5.8378	4.2952	19.2027	3.7457	2.1149	1.0623	3.5917	1.9532	1.6701	0.7101
Procurement Charges for Core Bundled Customers:												
Storage	0.4625	0.3897	0.2701	0.2532	0.2532							
Backbone Capacity	0.4044	0.3372	0.2166	0.2099	0.2099							
Backbone Usage	0.1783	0.1783	0.1783	0.1783	0.1783							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5769	0.5050	0.3760	0.3687	0.3687							
Total Core Procurement	3.5223	3.3104	2.9411	2.9103	2.9103							
Total Core Bundled Rates	16.5848	11.5977	8.7789	7.2055	22.1130							
Wholesale Transportation												
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans					
End-Use Transportation:												
Local Transmission	1.0029	1.0029	1.0029	1.0029	1.0029	1.0029	1.0029					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049					
2019 Storage Transition Costs Recovery	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219					
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744					
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
2019 GT&S Late Implementation Amortization (f)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)					
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128					
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000					
Volumetric Rate - Annual Average	1.6012	1.6012	1.6012	1.6012	3.5968	4.2437	1.6012					
CAC - Class Avg Volumetric Equivalent (d)	0.0350	0.0384	0.1263	0.0090	0.0763	0.0483	0.0483					
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.6362	1.6396	1.7275	1.6102	3.6731	4.2919	1.6495					

- a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- c) Please refer to Table 3 for weighted average annual rates.
- d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.
- g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 7

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

**Unaveraged April 1, 2020 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)**

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial		Natural Gas Vehicle		Electric Gen		
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.1777	2.1777	2.1777	2.1777	2.1777	1.0029	1.0029	0.0000	1.0029	1.0029	1.0029	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1107	0.0624	0.0286	0.0187	0.1701	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.2354	0.2354	0.2354	0.2354	0.2354	(0.0158)	(0.0158)	0.0015	(0.0158)	(0.0158)	(0.0158)	0.0015
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6667	0.1024	0.0000	1.6667	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.1578	7.2665	4.8388	4.0021	18.9216	3.2722	1.7634	0.7103	3.2722	1.6644	1.6616	0.7074
CAC - Class Avg Volumetric Equivalent (d)		0.5888	0.0449	0.0120	0.0000	0.0384	0.0076	0.0081	0.0384	0.0076	0.0086	0.0027
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0.0000	0.0000
Total Rate	13.0625	8.2873	5.8378	4.2952	19.2027	3.7457	2.1149	1.0623	3.5917	1.9532	1.6701	0.7101
Procurement Charges for Core Bundled Customers:												
Storage	0.0885	0.0746	0.0517	0.0484	0.0484							
Backbone Capacity	0.4044	0.3372	0.2166	0.2099	0.2099							
Backbone Usage	0.1783	0.1783	0.1783	0.1783	0.1783							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5769	0.5050	0.3760	0.3687	0.3687							
Total Core Procurement	3.1483	2.9952	2.7227	2.7055	2.7055							
Total Core Bundled Rates	16.2108	11.2825	8.5605	7.0007	21.9082							
Wholesale Transportation												
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans					
End-Use Transportation:												
Local Transmission	1.0029	1.0029	1.0029	1.0029	1.0029	1.0029	1.0029					
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049					
2019 Storage Transition Costs Recovery	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219					
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744					
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
2019 GT&S Late Implementation Amortization (f)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)	(0.0158)					
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128					
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000					
Volumetric Rate - Annual Average	1.6012	1.6012	1.6012	1.6012	3.5968	4.2437	1.6012					
CAC - Class Avg Volumetric Equivalent (d)	0.0350	0.0384	0.1263	0.0090	0.0763	0.0483	0.0483					
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Total Rate	1.6362	1.6396	1.7275	1.6102	3.6731	4.2919	1.6495					

a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.

b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.

c) Please refer to Table 3 for weighted average annual rates.

d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.

e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.

f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.

g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 8

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

Unaveraged January 1, 2021 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial		Natural Gas Vehicle		Electric Gen		
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.3216	2.3216	2.3216	2.3216	2.3216	1.0654	1.0654	0.0000	1.0654	1.0654	1.0654	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1108	0.0625	0.0286	0.0187	0.1702	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6672	0.1024	0.0000	1.6672	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.0663	7.1750	4.7472	3.9106	18.8302	3.3511	1.8417	0.7088	3.3511	1.7427	1.7399	0.7059
CAC - Class Avg Volumetric Equivalent (d)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0378	0.0074	0.0080	0.0378	0.0074	0.0085	0.0027
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0.0000	0.0000
Total Rate	12.9710	8.1958	5.7463	4.2037	19.1113	3.8240	2.1930	1.0607	3.6700	2.0313	1.7484	0.7086
Procurement Charges for Core Bundled Customers:												
Storage	0.0917	0.0772	0.0535	0.0502	0.0502							
Backbone Capacity	0.4148	0.3459	0.2222	0.2153	0.2153							
Backbone Usage	0.1963	0.1963	0.1963	0.1963	0.1963							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5777	0.5058	0.3767	0.3695	0.3695							
Total Core Procurement	3.1806	3.0254	2.7489	2.7314	2.7314							
Total Core Bundled Rates	16.1516	11.2212	8.4952	6.9351	21.8427							

	Wholesale Transportation						
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans
End-Use Transportation:							
Local Transmission	1.0654	1.0654	1.0654	1.0654	1.0654	1.0654	1.0654
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000
Volumetric Rate - Annual Average	1.6795	1.6795	1.6795	1.6795	3.6751	4.3220	1.6795
CAC - Class Avg Volumetric Equivalent (d)	0.0347	0.0381	0.1250	0.0090	0.0755	0.0479	0.0479
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.7142	1.7176	1.8045	1.6885	3.7506	4.3699	1.7274

- a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- c) Please refer to Table 3 for weighted average annual rates.
- d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.
- g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 9

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

**Unaveraged April 1, 2021 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)**

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial		Natural Gas Vehicle		Electric Gen		
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.3216	2.3216	2.3216	2.3216	2.3216	1.0654	1.0654	0.0000	1.0654	1.0654	1.0654	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1108	0.0625	0.0286	0.0187	0.1702	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6672	0.1024	0.0000	1.6672	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.0663	7.1750	4.7472	3.9106	18.8302	3.3511	1.8417	0.7088	3.3511	1.7427	1.7399	0.7059
CAC - Class Avg Volumetric Equivalent (d)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0378	0.0074	0.0080	0.0378	0.0074	0.0085	0.0027
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0	0
Total Rate	12.9710	8.1958	5.7463	4.2037	19.1113	3.8240	2.1930	1.0607	3.6700	2.0313	1.7484	0.7086
Procurement Charges for Core Bundled Customers:												
Storage	0.0933	0.0786	0.0545	0.0511	0.0511							
Backbone Capacity	0.4148	0.3459	0.2222	0.2153	0.2153							
Backbone Usage	0.1963	0.1963	0.1963	0.1963	0.1963							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5777	0.5058	0.3767	0.3695	0.3695							
Total Core Procurement	3.1822	3.0267	2.7498	2.7323	2.7323							
Total Core Bundled Rates	16.1532	11.2225	8.4961	6.9360	21.8436							

	Wholesale Transportation						
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans
End-Use Transportation:							
Local Transmission	1.0654	1.0654	1.0654	1.0654	1.0654	1.0654	1.0654
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744
2015 GT&S Late Implementation Amortization (d)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000
Volumetric Rate - Annual Average	1.6795	1.6795	1.6795	1.6795	3.6751	4.3220	1.6795
CAC - Class Avg Volumetric Equivalent (d)	0.0347	0.0381	0.1250	0.0090	0.0755	0.0479	0.0479
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.7142	1.7176	1.8045	1.6885	3.7506	4.3699	1.7274

- a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- c) Please refer to Table 3 for weighted average annual rates.
- d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.
- g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 10

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

Unaveraged January 1, 2022 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial			Natural Gas Vehicle		Electric Gen	
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.4300	2.4300	2.4300	2.4300	2.4300	1.1092	1.1092	0.0000	1.1092	1.1092	1.1092	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1108	0.0625	0.0286	0.0187	0.1703	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6678	0.1024	0.0000	1.6678	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.1748	7.2835	4.8557	4.0190	18.9387	3.3955	1.8854	0.7088	3.3955	1.7865	1.7836	0.7059
CAC - Class Avg Volumetric Equivalent (d)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0372	0.0072	0.0079	0.0372	0.0072	0.0083	0.0026
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0.2811	0.0000	0.0000
Total Rate	13.0795	8.3042	5.8547	4.3121	19.2198	3.8678	2.2365	1.0606	3.7138	2.0748	1.7919	0.7085
Procurement Charges for Core Bundled Customers:												
Storage	0.0949	0.0799	0.0554	0.0519	0.0519							
Backbone Capacity	0.4282	0.3571	0.2294	0.2222	0.2222							
Backbone Usage	0.2110	0.2110	0.2110	0.2110	0.2110							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5783	0.5064	0.3773	0.3701	0.3701							
Total Core Procurement	3.2125	3.0545	2.7733	2.7554	2.7554							
Total Core Bundled Rates	16.2920	11.3587	8.6280	7.0675	21.9752							

	Wholesale Transportation						
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans
End-Use Transportation:							
Local Transmission	1.1092	1.1092	1.1092	1.1092	1.1092	1.1092	1.1092
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000
Volumetric Rate - Annual Average	1.7233	1.7233	1.7233	1.7233	3.7188	4.3657	1.7233
CAC - Class Avg Volumetric Equivalent (d)	0.0344	0.0378	0.1237	0.0089	0.0747	0.0475	0.0475
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.7577	1.7611	1.8470	1.7321	3.7936	4.4133	1.7708

- a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- c) Please refer to Table 3 for weighted average annual rates.
- d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.
- g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

**APPENDIX H: Table 11
PACIFIC GAS AND ELECTRIC COMPANY**

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

**Unaveraged April 1, 2022 Rates with Adopted 2019 GT&S Rates (January 2020 Components) By End-Use Customer Class (a)(b)(c)(g)
(\$/dth)**

(Bundled Rates are Prior to Adopted Annual Averaging)

	Core (a)					Noncore Transportation						
	Res	Small Comm	Large Comm	Uncomp. NGV	Comp. NGV	Industrial		Natural Gas Vehicle		Electric Gen		
						Dist	Trans	BB	Dist	Trans	D/T	BB
End-Use Transportation:												
Local Transmission	2.4300	2.4300	2.4300	2.4300	2.4300	1.1092	1.1092	0.0000	1.1092	1.1092	1.1092	0.0000
Self Generation Incentive Program	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
CPUC Fee	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0007	0.0007
AB32 ARB Cost of Implementation Fee	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104	0.0104
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.1108	0.0625	0.0286	0.0187	0.1703	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
Balancing Accounts	1.2869	0.7244	0.3295	0.2139	2.2000	0.0334	0.0888	0.1327	0.0334	0.0924	0.0735	0.1139
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0284	0.0284	0.0284	0.0284	0.0284	0.0128	0.0128	0.0040	0.0128	0.0128	0.0128	0.0040
Distribution - Annual Average	7.7685	3.4880	1.4890	0.7780	13.5598	1.6678	0.1024	0.0000	1.6678	0.0000	0.0321	0.0321
Volumetric Rate - Annual Average	12.1748	7.2835	4.8557	4.0190	18.9387	3.3955	1.8854	0.7088	3.3955	1.7865	1.7836	0.7059
CAC - Class Avg Volumetric Equivalent (d)	0.0000	0.5888	0.0449	0.0120	0.0000	0.0372	0.0072	0.0079	0.0372	0.0072	0.0083	0.0026
Gas Public Purpose Program Surcharge	0.9047	0.4319	0.9542	0.2811	0.2811	0.4351	0.3439	0.3439	0.2811	0		0
Total Rate	13.0795	8.3042	5.8547	4.3121	19.2198	3.8678	2.2365	1.0606	3.7138	2.0748	1.7919	0.7085
Procurement Charges for Core Bundled Customers:												
Storage	0.0942	0.0793	0.0550	0.0516	0.0516							
Backbone Capacity	0.4282	0.3571	0.2294	0.2222	0.2222							
Backbone Usage	0.2110	0.2110	0.2110	0.2110	0.2110							
WACOG	1.9001	1.9001	1.9001	1.9001	1.9001							
Interstate Capacity and Other	0.5783	0.5064	0.3773	0.3701	0.3701							
Total Core Procurement	3.2118	3.0539	2.7728	2.7550	2.7550							
Total Core Bundled Rates	16.2913	11.3581	8.6275	7.0671	21.9748							

	Wholesale Transportation						
	Alpine	Coalinga	Island Energy	Palo Alto	WCG Castle	WCG Mather Dist	WCG Mather Trans
End-Use Transportation:							
Local Transmission	1.1092	1.1092	1.1092	1.1092	1.1092	1.1092	1.1092
Self Generation Incentive Program	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CPUC Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 ARB Cost of Implementation Fee	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB32 Greenhouse Gas Compliance & Obligation Cost	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049	0.5049
2019 Storage Transition Costs Recovery	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
Balancing Accounts	0.0744	0.0744	0.0744	0.0744	0.0030	(0.0202)	0.0744
2015 GT&S Late Implementation Amortization (e)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2019 GT&S Late Implementation Amortization (f)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GT&S Pension	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
Distribution - Annual Average	0.0000	0.0000	0.0000	0.0000	2.0670	2.7370	0.0000
Volumetric Rate - Annual Average	1.7233	1.7233	1.7233	1.7233	3.7188	4.3657	1.7233
CAC - Class Avg Volumetric Equivalent (d)	0.0344	0.0378	0.1237	0.0089	0.0747	0.0475	0.0475
Gas Public Purpose Program Surcharge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total Rate	1.7577	1.7611	1.8470	1.7321	3.7936	4.4133	1.7708

- a) Class average rates reflect load shape for bundled core. Distribution rates represent the annual class average.
- b) Non-GT&S rate components for 2019, 2020, 2021 and 2022 are held constant at January 1, 2019 levels as filed in PG&E's 2019 AGT Advice Letter 4053-G.
- c) Please refer to Table 3 for weighted average annual rates.
- d) Customer access and customer charges represent the class average volumetric equivalent of the monthly charge.
- e) 2015 GT&S Late Implementation Amortization expires July 31, 2019.
- f) 2019 GT&S Late Implementation Amortization effective October 1, 2019.
- g) Unaveraged refers to January 1 and April 1 storage service rate changes that are averaged for collection in end-user rates.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 12

PACIFIC GAS AND ELECTRIC COMPANY Firm Backbone Transportation Annual Rates (AFT) -- SFV Rate Design On-System Transportation Service

		2018	2019	2019 GT&S Rates		2022
				2020	2021	
<u>Redwood Path - Core</u>						
Reservation Charge	(\$/dth/mo)	11.8245	13.7304	18.4477	20.8302	21.7537
Usage Charge	(\$/dth)	0.0010	0.0024	0.0027	0.0027	0.0028
Total (b)	(\$/dth @ Full Contract)	0.3898	0.4538	0.6092	0.6875	0.7180
<u>Baja Path - Core</u>						
Reservation Charge	(\$/dth/mo)	13.0380	16.7562	22.5356 ⁽¹⁾	-	-
Usage Charge	(\$/dth)	0.0011	0.0029	0.0033	-	-
Total (b)	(\$/dth @ Full Contract)	0.4298	0.5538	0.7442	-	-
<u>Redwood Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	13.6814	14.8458	20.0078	22.0809	22.7597
Usage Charge	(\$/dth)	0.0010	0.0024	0.0033	0.0035	0.0036
Total (b)	(\$/dth @ Full Contract)	0.4508	0.4905	0.6611	0.7294	0.7518
<u>Baja Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	14.8954	17.8727	24.0935	27.2272	28.2087
Usage Charge	(\$/dth)	0.0010	0.0029	0.0040	0.0043	0.0044
Total (b)	(\$/dth @ Full Contract)	0.4908	0.5905	0.7961	0.8994	0.9318
<u>Silverado and Mission Paths</u>						
Reservation Charge	(\$/dth/mo)	8.5814	10.2169	15.2032	17.3534	17.9215
Usage Charge	(\$/dth)	0.0008	0.0017	0.0025	0.0026	0.0027
Total (b)	(\$/dth @ Full Contract)	0.2829	0.3376	0.5023	0.5731	0.5919

⁽¹⁾ Core Baja G-AFT rates only available through March 2020.

Notes:

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 13

PACIFIC GAS AND ELECTRIC COMPANY Firm Backbone Transportation Annual Rates (AFT) -- MFV Rate Design On-System Transportation Service

		2018	2019	2019 GT&S Rates		2022
				2020	2021	
<u>Redwood Path - Core</u>						
Reservation Charge	(\$/dth/mo)	9.1607	10.3200	13.5578	15.0130	15.4990
Usage Charge	(\$/dth)	0.0886	0.1145	0.1635	0.1939	0.2084
Total	(\$/dth @ Full Contract)	0.3898	0.4538	0.6092	0.6875	0.7180
<u>Baja Path - Core</u>						
Reservation Charge	(\$/dth/mo)	10.1008	12.5942	16.5621 ⁽¹⁾	-	-
Usage Charge	(\$/dth)	0.0977	0.1397	0.1997	-	-
Total	(\$/dth @ Full Contract)	0.4298	0.5538	0.7442	-	-
<u>Redwood Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	10.1813	10.8592	14.8870	16.3309	16.7183
Usage Charge	(\$/dth)	0.1160	0.1335	0.1717	0.1925	0.2022
Total	(\$/dth @ Full Contract)	0.4508	0.4905	0.6611	0.7294	0.7518
<u>Baja Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	11.0848	13.0732	17.9270	20.1370	20.7209
Usage Charge	(\$/dth)	0.1263	0.1607	0.2067	0.2374	0.2506
Total	(\$/dth @ Full Contract)	0.4908	0.5905	0.7961	0.8994	0.9318
<u>Silverado and Mission Paths</u>						
Reservation Charge	(\$/dth/mo)	6.4307	7.4504	11.1722	12.6452	12.9629
Usage Charge	(\$/dth)	0.0715	0.0927	0.1350	0.1574	0.1657
Total	(\$/dth @ Full Contract)	0.2829	0.3376	0.5023	0.5731	0.5919

⁽¹⁾ Core Baja G-AFT rates only available through March 2020.

Notes:

- a) Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- b) The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- c) Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- d) Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 14

PACIFIC GAS AND ELECTRIC COMPANY Firm Backbone Transportation Seasonal Rates (SFT) -- SFV Rate Design On-System Transportation Service

		2018		2019	2019 GT&S Rates		2022
					2020	2021	
<u>Redwood Path - Core</u>							
Reservation Charge	(\$/dth/mo)	--		--	22.1372 ⁽¹⁾	24.9963	26.1044
Usage Charge	(\$/dth)	--		--	0.0033	0.0032	0.0034
Total	(\$/dth @ Full Contract)	--		--	0.7311	0.8250	0.8616
<u>Baja Path - Core</u>							
Reservation Charge	(\$/dth/mo)	15.6456		20.1074	27.0427	31.1770	32.6488
Usage Charge	(\$/dth)	0.0013		0.0035	0.0040	0.0040	0.0042
Total	(\$/dth @ Full Contract)	0.5157		0.6645	0.8931	1.0290	1.0776
<u>Redwood Path - Noncore</u>							
Reservation Charge	(\$/dth/mo)	16.4176		17.8150	24.0094	26.4971	27.3116
Usage Charge	(\$/dth)	0.0012		0.0029	0.0040	0.0042	0.0043
Total	(\$/dth @ Full Contract)	0.5409		0.5886	0.7933	0.8753	0.9022
<u>Baja Path - Noncore</u>							
Reservation Charge	(\$/dth/mo)	17.8745		21.4472	28.9122	32.6726	33.8504
Usage Charge	(\$/dth)	0.0013		0.0034	0.0048	0.0051	0.0053
Total	(\$/dth @ Full Contract)	0.5889		0.7086	0.9553	1.0793	1.1182
<u>Silverado and Mission Paths</u>							
Reservation Charge	(\$/dth/mo)	10.2977		12.2602	18.2438	20.8241	21.5059
Usage Charge	(\$/dth)	0.0009		0.0021	0.0030	0.0031	0.0032
Total	(\$/dth @ Full Contract)	0.3395		0.4052	0.6028	0.6878	0.7103

⁽¹⁾ Core Redwood G-SFT rates only available beginning April 2020.

Notes:

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They include exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 15

PACIFIC GAS AND ELECTRIC COMPANY

Firm Backbone Transportation Seasonal Rates (SFT) -- MFV Rate Design On-System Transportation Service

		2018	2019	2019 GT&S Rates		2022
				2020	2021	
<u>Redwood Path - Core</u>						
Reservation Charge	(\$/dth/mo)	--	--	16.2694 ⁽¹⁾	18.0156	18.5988
Usage Charge	(\$/dth)	--	--	0.1962	0.2327	0.2501
Total	(\$/dth @ Full Contract)	--	--	0.7311	0.8250	0.8616
<u>Baja Path - Core</u>						
Reservation Charge	(\$/dth/mo)	12.1209	15.1131	19.8746	22.4702	23.2616
Usage Charge	(\$/dth)	0.1172	0.1677	0.2397	0.2903	0.3128
Total	(\$/dth @ Full Contract)	0.5157	0.6645	0.8931	1.0290	1.0776
<u>Redwood Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	12.2175	13.0310	17.8644	19.5971	20.0620
Usage Charge	(\$/dth)	0.1392	0.1601	0.2060	0.2310	0.2426
Total	(\$/dth @ Full Contract)	0.5409	0.5886	0.7933	0.8753	0.9022
<u>Baja Path - Noncore</u>						
Reservation Charge	(\$/dth/mo)	13.3017	15.6879	21.5124	24.1644	24.8651
Usage Charge	(\$/dth)	0.1516	0.1928	0.2481	0.2848	0.3007
Total	(\$/dth @ Full Contract)	0.5889	0.7086	0.9553	1.0793	1.1182
<u>Silverado and Mission Paths</u>						
Reservation Charge	(\$/dth/mo)	7.7168	8.9405	13.4066	15.1742	15.5555
Usage Charge	(\$/dth)	0.0858	0.1112	0.1620	0.1889	0.1989
Total	(\$/dth @ Full Contract)	0.3395	0.4052	0.6028	0.6878	0.7103

⁽¹⁾ Core Redwood G-SFT rates only available beginning April 2020.

Notes:

- Firm Seasonal rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- Customers delivering gas to storage pay the applicable backbone transmission on-system rate from Redwood, Baja and Silverado.
- Firm seasonal service is available to on-system paths for a minimum term of three consecutive months in one season. Winter season is November through March. Summer season is April through October.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 16

PACIFIC GAS AND ELECTRIC COMPANY

As-Available Backbone Transportation On-System Transportation Service

			2019 GT&S Rates				
			2018	2019	2020	2021	2022
<u>Redwood Path</u>							
Usage Charge	(\$/dth)	0.5409	0.5886	0.7933	0.8753	0.9022	
<u>Baja Path</u>							
Usage Charge	(\$/dth)	0.5889	0.7086	0.9553	1.0793	1.1182	
<u>Silverado Path</u>							
Usage Charge	(\$/dth)	0.3395	0.4052	0.6028	0.6878	0.7103	
<u>Mission Path</u>							
Usage Charge	(\$/dth)	0.0000	0.0000	0.0000	0.0000	0.0000	

Notes:

- As-Available rates are 120 percent of Firm Annual rates.
- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- Mission path service represents on-system storage to on-system transportation. Customers delivering gas to storage facilities pay the applicable backbone transmission on-system rate from Redwood, Baja or Silverado.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 17

PACIFIC GAS AND ELECTRIC COMPANY Backbone Transportation Annual Rates (AFT-Off) Off-System Deliveries

		2018	2019	2019 GT&S Rates 2020	2021	2022
<u>SFV Rate Design</u>						
Redwood, Silverado and Mission Paths Off-System						
Reservation Charge	(\$/dth/mo)	13.6814	14.8458	20.0078	22.0809	22.7597
Usage Charge	(\$/dth)	0.0010	0.0024	0.0033	0.0035	0.0036
Total	(\$/dth @ Full Contract)	0.4508	0.4905	0.6611	0.7294	0.7518
Baja Path Off-System						
Reservation Charge	(\$/dth/mo)	14.8954	17.8727	24.0935	27.2272	28.2087
Usage Charge	(\$/dth)	0.0010	0.0029	0.0040	0.0043	0.0044
Total	(\$/dth @ Full Contract)	0.4908	0.5905	0.7961	0.8994	0.9318
<u>MFV Rate Design</u>						
Redwood, Silverado and Mission Paths Off-System						
Reservation Charge	(\$/dth/mo)	10.1813	10.8592	14.8870	16.3309	16.7183
Usage Charge	(\$/dth)	0.1160	0.1335	0.1717	0.1925	0.2022
Total	(\$/dth @ Full Contract)	0.4508	0.4905	0.6611	0.7294	0.7518
Baja Path Off-System						
Reservation Charge	(\$/dth/mo)	11.0848	13.0732	17.9270	20.1370	20.7209
Usage Charge	(\$/dth)	0.1263	0.1607	0.2067	0.2374	0.2506
Total	(\$/dth @ Full Contract)	0.4908	0.5905	0.7961	0.8994	0.9318
<u>As-Available Service</u>						
Redwood, Silverado, and Mission Paths, (From Citygate) Off-System - Noncore						
Usage Charge	(\$/dth)	0.5409	0.5886	0.7933	0.8753	0.9022
Mission Paths (From on-system storage) Off-System						
Usage Charge	(\$/dth)	0.0000	0.0000	0.0000	0.0000	0.0000
Baja Path Off-System - Noncore						
Usage Charge	(\$/dth)	0.5889	0.7086	0.9553	1.0793	1.1182

Notes:

- Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- California gas and storage to off-system are assumed to flow on Redwood path and are priced at the Redwood path rate.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 18

PACIFIC GAS AND ELECTRIC COMPANY Firm Transportation Expansion Shippers -- Annual Rates (G-XF) SFV Rate Design

		2019 GT&S Rates				
		2018	2019	2020	2021	2022
<u>SFV Rate Design</u>						
Reservation Charge	(\$/dth/mo)	5.7955	5.1950	5.4481	5.6163	5.7262
Usage Charge	(\$/dth)	0.0001	0.0002	0.0002	0.0002	0.0002
Total	(\$/dth @ Full Contract)	0.1906	0.1710	0.1793	0.1848	0.1885

Notes:

- a) Rates are only the backbone transmission charge component of the transmission service. They exclude local transmission charges, mandated customer programs and other charges, customer access charges, distribution charges, storage charges, and shrinkage charges.
- b) The "Total" rows represent the average backbone transmission charge incurred by a firm shipper that uses its full contract quantity at a 100 percent load factor.
- c) G-XF charges are based on the embedded cost of Line 401 and a 95 percent load factor.
- d) Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 19

PACIFIC GAS AND ELECTRIC COMPANY									
Storage Service Rates									
		2018	2019 GT&S Rates						
			2019	2020		2021		2022	
			<u>October</u>	<u>January</u>	<u>April</u>	<u>January</u>	<u>April</u>	<u>January</u>	<u>April</u>
<u>Core Firm Storage (G-CFS)</u>									
Reservation Charge	(\$/dth/mo)	\$0.1913	\$0.3071	\$0.3424	\$0.4157	\$0.4306	\$0.4318	\$0.4392	\$0.4417
<u>Standard Firm Storage (G-SFS)</u>									
Reservation Charge	(\$/dth/mo)	\$0.2962	\$0.3698	\$0.3930	service no longer offered under adopted NGSS				
<u>Negotiated Firm Storage (G-NFS)</u>									
Injection	(\$/dth/d)	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236
Inventory	(\$/dth)	\$3.5541	\$3.5541	\$3.5541	\$3.5541	\$3.5541	\$3.5541	\$3.5541	\$3.5541
Withdrawal	(\$/dth/d)	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629
<u>Negotiated As-Available Storage (G-NAS) - Maximum Rate</u>									
Injection	(\$/dth/d)	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236	\$5.7236
Withdrawal	(\$/dth/d)	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629	\$26.1629
<u>Market Center Services (Parking and Lending Services)</u>									
Maximum Daily Charge	(\$/Dth/d)	\$1.1650	\$1.1650	\$1.1650	\$1.1650	\$1.1650	\$1.1650	\$1.1650	\$1.1650
Minimum Rate	(per transaction)	\$57.0000	\$57.0000	\$57.0000	\$57.0000	\$57.0000	\$57.0000	\$57.0000	\$57.0000

Notes:

- Rates for storage services are based on the costs of storage injection, inventory and withdrawal.
- Core Firm Storage (G-CFS) and Standard Firm Storage (G-SFS) rates are a monthly reservation charge designed to recover one twelfth of the annual revenue requirement allocated to those services based upon the annual capacities of injection, inventory and withdrawal storage. PG&E will no longer offer Standard Firm Storage (G-SFS) beginning April 1, 2020 with implementation of its NGSS.
- Negotiated Firm rates may be one-part rates (volumetric) or two-part rates (reservation and volumetric), as negotiated between parties. The volumetric equivalent is shown above.
- Negotiated As-Available Storage Injection and Withdrawal rates are recovered through a volumetric charge only.
- PG&E will offer negotiated rates (NFS and NAS) at the adopted 2018 maximum levels with any incidental revenue collected returned to customers via PG&E's balancing accounts.
- Negotiated Firm and As-available services are negotiable above a price floor representing PG&E's marginal costs of providing the service.
- The maximum charge for parking and lending is based on the annual cost of cycling one Dth of Firm Storage Gas assuming the full 214 day injection season and 151 day withdrawal season as adopted for 2018 in PG&E's 2015 Gas Transmission and Storage Rate Case.
- Gas Storage shrinkage will be applied in-kind on storage injections.
- Dollar differences are due to rounding.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 20

PACIFIC GAS AND ELECTRIC COMPANY

Local Transmission Rates

\$/dth

Customer Groups	2018		2019 GT&S Rates		
			2019	2020	2021
					2022
Core Retail Local Transmission	1.8988		2.0198	2.1777	2.3216
Noncore Retail and Wholesale	0.8286		0.9226	1.0029	1.0654
					1.1092

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 21

PACIFIC GAS AND ELECTRIC COMPANY

Customer Access Charge Rates

(\$ per Month)

		<u>2018</u>	<u>2019</u>	<u>2019 GT&S Rates</u>		<u>2022</u>
				<u>2020</u>	<u>2021</u>	
<u>G-EG / G-NT (\$/month)</u>						
	Average Monthly Therms Over 12 Months					
Tier 1	0 to 5,000	\$33.73	\$29.95	\$29.66	\$29.23	\$28.76
Tier 2	5,001 to 10,000	\$100.46	\$89.23	\$88.36	\$87.06	\$85.68
Tier 3	10,001 to 50,000	\$186.98	\$166.07	\$164.46	\$162.04	\$159.48
Tier 4	50,001 to 200,000	\$245.39	\$217.95	\$215.84	\$212.65	\$209.30
Tier 5	200,001 to 1,000,000	\$356.04	\$316.23	\$313.16	\$308.54	\$303.67
Tier 6	1,000,001 and above	\$3,020.14	\$2,682.42	\$2,656.42	\$2,617.24	\$2,575.91
<u>Wholesale (\$/month)</u>						
Alpine		\$161.51	\$156.39	\$154.87	\$152.59	\$150.18
Coalinga		\$714.31	\$691.68	\$684.98	\$674.88	\$664.22
Island Energy		\$483.98	\$468.65	\$464.11	\$457.26	\$450.04
Palo Alto		\$2,381.70	\$2,306.24	\$2,283.89	\$2,250.20	\$2,214.67
West Coast Gas - Castle		\$414.94	\$401.79	\$397.90	\$392.03	\$385.84
West Coast Gas - Mather		\$379.20	\$367.19	\$363.63	\$358.27	\$352.61

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

**Adopted
APPENDIX H: Table 22**

PACIFIC GAS AND ELECTRIC COMPANY

Self Balancing Credit

	<u>2018</u>		<u>2019</u>	<u>2020</u>	<u>2019 GT&S Rates 2021</u>	<u>2022</u>
Self Balancing Credit	(\$0.0200)		(\$0.0318)	(\$0.0350)	(\$0.0360)	(\$0.0368)

Notes:

- a) Storage balancing costs are bundled in backbone rates. Customers or Balancing agents who elect self balancing on a daily basis can opt out of PG&E's monthly balancing program and receive a self-balancing credit.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 23

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative Average Bundled Bill Impacts for Residential and Small Commercial Customers (5)

Line No.		Rates Effective Jan 1, 2019 (1)	Rates Effective Jan 1, 2019 (net of 2015 GT&S Late Implementation) (2)	Effective October 2019 with Adopted 2019 GT&S (Year 2019 Components) (C)	Rates Effective 2020 with Adopted 2019 GT&S (Year 2020 Components) (D)	Rates Effective 2021 with Adopted 2019 GT&S (Year 2021 Components) (E)	Rates Effective 2022 with Adopted 2019 GT&S (Year 2022 Components) (F)	Informational Rate Impact October 1, 2019 to January 1, 2019 Rate (G)
		A	B	C	D	E	F	G
		RESIDENTIAL CLASS						
1	Non-CARE Residential Illustrative Bundled Rate (\$/th) (3)	\$1.51815	\$1.46831	\$1.53940	\$1.53996	\$1.52481	\$1.53868	\$1.53940
2	State-Mandated Residential Public Purpose Program Surcharge (\$/th)	\$0.09047	\$0.09047	\$0.09047	\$0.09047	\$0.09047	\$0.09047	\$0.09047
3	End-User Total Rate and Surcharge (\$/th)	\$1.60862	\$1.55878	\$1.62987	\$1.63043	\$1.61528	\$1.62915	\$1.62987
4	Average Monthly Use per Residential Customer (therms) (4)	32	32	32	32	32	32	32
5	Present Average Non-CARE Residential Customer Monthly Bill (\$)	\$51.48	\$49.88	\$52.16	\$52.17	\$51.69	\$52.13	\$52.16
6	Change in Average Non-CARE Residential Bill		(\$1.60)	\$2.28	\$0.01	(\$0.48)	\$0.44	\$0.68
7	% Change in Average Annual Non-CARE Residential Bill		-3.1%	4.6%	0.0%	-0.9%	0.9%	1.3%
		Rates Effective Jan 1, 2019 (1)	Rates Effective Jan 1, 2019 (net of 2015 GT&S Late Implementation) (2)	Illustrative Rates Effective October 2019 with Adopted 2019 GT&S (Year 2019 Components) (C)	Illustrative Average Rates Effective 2020 with Adopted 2019 GT&S (Year 2020 Components) (D)	Illustrative Average Rates Effective 2021 with Adopted 2019 GT&S (Year 2021 Components) (E)	Illustrative Average Rates Effective 2022 with Adopted 2019 GT&S (Year 2022 Components) (F)	Informational Rate Impact October 1, 2019 to January 1, 2019 Rate (G)
		A	B	C	D	E	F	G
		SMALL COMMERCIAL CLASS						
8	Non-CARE Small Commercial Illustrative Bundled Rate (\$/th) (3)	\$1.07635	\$1.02652	\$1.08966	\$1.09294	\$1.07903	\$1.09264	\$1.08966
9	State-Mandated Small Commercial Public Purpose Program Surcharge (\$/th)	\$0.04319	\$0.04319	\$0.04319	\$0.04319	\$0.04319	\$0.04319	\$0.04319
10	End-User Total Rate and Surcharge (\$/th)	\$1.11954	\$1.06971	\$1.13285	\$1.13613	\$1.12222	\$1.13583	\$1.13285
11	Average Monthly Use per Small Commercial Customer (therms) (4)	280	280	280	280	280	280	280
12	Present Average Non-CARE Small Commercial Customer Monthly Bill (\$)	\$313.47	\$299.52	\$317.20	\$318.12	\$314.22	\$318.03	\$317.20
13	Change in Average Non-CARE Small Commercial Bill		(\$13.95)	\$17.68	\$0.92	(\$3.90)	\$3.81	\$3.73
14	% Change in Average Annual Non-CARE Small Commercial Bill		-4.5%	5.9%	0.3%	-1.2%	1.2%	1.2%

Notes

- (1) January 1, 2019 rates are based on PG&E's January 1, 2019 rate change filing per Advice Letter 4053-G with adopted 2018 GT&S components.
- (2) 2015 GT&S Late Implementation Amortization charge removed from rates effective August 1, 2019 pursuant to Decision 16-06-056.
- (3) CARE customers receive a 20 % discount on transportation and procurement and are exempt from CARE and CSI Solar Water Heater rate components.
- (4) Average monthly usage based on adopted throughput and customer forecast stipulation. See adopted forecast workpapers for details.
- (5) Bill Impacts beginning 2020 do not include procurement of ISP storage under NGSS.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H: Table 24

PACIFIC GAS AND ELECTRIC COMPANY

BACKBONE LOAD FACTOR

NON-EQUALIZED RATES WITH STIPULATED BAJA-REDWOOD DIFFERENTIALS

	2019	2020	2021	2022	Revision Notes
1 Backbone Demand (MDth/d)					
2 Core	749	741	738	734	
3 Core distribution shrinkage	21	21	21	21	
4 Noncore industrial	567	562	568	576	
5 Noncore natural gas vehicle (NGV4)					(1)
6 Noncore electric generation	504	497	493	496	
7 Wholesale	10	10	10	9	
8 Subtotal, on-system	1,850	1,831	1,829	1,836	(2)
9 G-XF off-system	80	80	80	80	
10 Non G-XF off-system (full-rate-equivalent throughput) (a)	47	35	31	30	(3)
11 Subtotal, off-system	127	115	112	111	
12 TOTAL	1,977	1,946	1,941	1,947	
13 Remove G-XF contracts	(86)	(86)	(86)	(86)	
14 Adjust for Baja on-system discounts (b)	0	0	0	0	
15 Adjust for G-AA, G-SFT, and G-NFT premiums (c)	47	73	86	88	(3)
16 Adjust for reservation charges for un-used firm contracts (d)	42	54	74	73	(3)
17 Adjust for disproportionate usage of backbone paths (e)	(86)	(102)	(113)	(111)	(3)
18 Subtotal, adjustments	(83)	(61)	(38)	(35)	
19 TOTAL, ADJUSTED	1,895	1,885	1,902	1,912	
20 Backbone Capacity (MDth/d at Delivery Point)					
21 Redwood Line 401	1,047	1,047	1,047	1,047	
22 Redwood Line 400	1,066	1,066	1,066	1,066	
23 Baja Line 300	1,023	1,023	1,023	1,023	
24 Silverado "capacity"	57	58	57	57	(4)
25 TOTAL	3,192	3,193	3,192	3,192	
26 Remove G-XF contracts	(86)	(86)	(86)	(86)	
27 Remove SMUD equity capacity, Line 401	(47)	(47)	(47)	(47)	
28 Remove SMUD equity capacity, Line 300	(41)	(41)	(41)	(41)	
29 Subtotal, adjustments	(174)	(174)	(174)	(174)	
30 TOTAL, ADJUSTED	3,019	3,019	3,018	3,018	
31 <u>Memo:</u> Silverado flow forecast	36	36	36	36	
32 Backbone Load Factor	62.77%	62.45%	63.02%	63.36%	

Revision Notes

(Explanations are based on comparisons to Exhibit PGE-2, Chapter 16B, Table 16B-1)

(1) Noncore natural gas vehicle (NGV4) demand is included in Line No. 4, Noncore industrial demand.

(2) The on-system demand forecast is revised consistent with this Decision.

(3) The revisions to Line Nos. 10, 15, 16, and 17 are explained in the next table.

(4) The Silverado "capacities" are calculated by dividing forecasted Silverado throughput (Line No. 31) by the backbone load factor (Line No. 32). Because the backbone load factors are revised, the Silverado capacities are also revised.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
APPENDIX H: Table 25
PACIFIC GAS AND ELECTRIC COMPANY
THROUGHPUT ADJUSTMENTS FOR BACKBONE LOAD FACTOR
NON-EQUALIZED RATES WITH STIPULATED BAJA-REDWOOD DIFFERENTIALS

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>Revision</u> <u>Notes</u>
1 (a) Calculate full rate equivalent non-G-XF off-system throughput					
2 Forecasted revenues (\$ '000/yr)	\$8,350	\$8,350	\$8,350	\$8,350	
3 Noncore Redwood G-AFT rate (\$/Dth)	\$0.490	\$0.661	\$0.729	\$0.752	
4 Full rate equivalent throughput (MDth/d)	47	35	31	30	(1)
5 (b) Adjust for Baja on-system discounts					
6 Quantity (MDth/d)	0	0	0	0	
7 Contract rate (\$/Dth)	\$0.000	\$0.000	\$0.000	\$0.000	
8 Noncore Baja G-AFT rate (\$/Dth)	\$0.590	\$0.796	\$0.899	\$0.932	
9 Full rate equivalent throughput (MDth/d)	0	0	0	0	
10 Throughput adjustment (MDth/d)	0	0	0	0	
11 (c) Adjust for G-AA, G-SFT, and G-NFT premiums					
12 G-AA throughput - Core (MDth/d)	0	0	0	0	
13 G-AA throughput - Noncore (MDth/d)					
14 Total on-system throughput	1,850	1,831	1,829	1,836	
15 G-XF on-system throughput	5	5	5	5	
16 Firm throughput excl G-XF	1,802	1,749	1,732	1,732	
17 G-AA throughput - Core	0	0	0	0	
18 G-AA throughput - Noncore (determined residually)	43	77	91	98	(2)
19 G-SFT throughput - Core					
20 Core G-SFT MDQ (annualized MDth/d)	65	123	180	180	(3)
21 Core G-SFT average utilization level	92.9%	92.9%	92.9%	92.9%	
22 Core G-SFT throughput (MDth/d)	61	114	168	168	
23 G-SFT and G-NFT throughput - Noncore					
24 Noncore G-SFT and G-NFT MDQ (annualized MDth/d)	135	175	175	175	(4)
25 Noncore G-SFT and G-NFT average utilization level	96.9%	99.5%	99.2%	99.8%	(4)
26 Noncore G-SFT and G-NFT throughput (MDth/d)	130	174	174	175	
27 TOTAL (MDth/d)	234	366	432	441	
28 Rate premium	20%	20%	20%	20%	
29 Premium adjustment (MDth/d)	47	73	86	88	
30 (d) Adjust for reservation charges for unused firm contracts					
31 Total firm contract MDQ excl G-XF (MDth/d)	1,860	1,822	1,833	1,833	(5)
32 Average firm contract utilization level excl G-XF	96.9%	96.0%	94.5%	94.5%	(5)
33 Unused firm MDQ (MDth/d)	58	73	101	101	
34 Average reservation portion of MFV rate	73.3%	73.8%	73.2%	72.6%	(6)
35 Unused firm contract adjustment (MDth/d)	42	54	74	73	

(TABLE CONTINUED ON NEXT PAGE)

2019 Gas Transmission and Storage Rate Case (2019 GT&S)
Adopted
APPENDIX H: Table 25
PACIFIC GAS AND ELECTRIC COMPANY
THROUGHPUT ADJUSTMENTS FOR BACKBONE LOAD FACTOR
NON-EQUALIZED RATES WITH STIPULATED BAJA-REDWOOD DIFFERENTIALS

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>Revision</u> <u>Notes</u>
36 (e) Adjust for disproportionate usage of backbone paths					
37 Core Redwood capacity (MDth/d)	612	671	717	717	
38 Throughput at load factor (MDth/d)	384	419	452	454	
39 Expected Core Redwood utilization level (incl brokering)	98.2%	97.7%	97.4%	97.4%	
40 Expected Core Redwood throughput (MDth/d)	601	655	699	699	
41 Throughput shift to Core Redwood capacity (MDth/d)	217	236	247	244	
42 Core Redwood rate as percent of system average rate	88.5%	88.0%	88.8%	89.5%	
43 Percent difference relative to system average rate	-11.5%	-12.0%	-11.2%	-10.5%	
44 Throughput adjustment (MDth/d)	(25)	(28)	(28)	(26)	(7)
45 Core Baja capacity (MDth/d)	247	110	75	75	
46 Throughput at load factor (MDth/d)	155	69	47	48	
47 Expected Core Baja utilization level (incl brokering)	96.3%	94.8%	92.9%	92.9%	
48 Expected Core Baja throughput (MDth/d)	238	104	70	70	
49 Throughput shift to Core Baja capacity (MDth/d)	83	36	22	22	
50 Core Baja rate as percent of system average rate	108.0%	107.5%	110.7%	111.9%	
51 Percent difference relative to system average rate	8.0%	7.5%	10.7%	11.9%	
52 Throughput adjustment (MDth/d)	7	3	2	3	(7)
53 Noncore Baja capacity (MDth/d; excl SMUD equity)	734	872	907	907	
54 Throughput at load factor (MDth/d)	461	545	572	575	
55 Expected Noncore Baja throughput (MDth/d)	47	84	89	95	
56 Throughput shift to Noncore Baja capacity (MDth/d)	(414)	(461)	(482)	(479)	
57 Noncore Baja rate as percent of system average rate	115.1%	115.0%	116.1%	116.1%	
58 Percent difference relative to system average rate	15.1%	15.0%	16.1%	16.1%	
59 Throughput adjustment (MDth/d)	(63)	(69)	(78)	(77)	(7)
60 Noncore Redwood capacity (MDth/d; excl G-XF and SMUD equity)	1,367	1,308	1,262	1,262	
61 Throughput at load factor (MDth/d)	858	817	795	800	
62 Expected Noncore Redwood throughput (MDth/d, excl G-XF and SMUD equity)	970	981	961	962	
63 Throughput shift to Noncore Redwood capacity (MDth/d)	111	164	166	162	
64 Noncore Redwood rate as percent of system average rate	95.6%	95.5%	94.2%	93.7%	
65 Percent difference relative to system average rate	-4.4%	-4.5%	-5.8%	-6.3%	
66 Throughput adjustment (MDth/d)	(5)	(7)	(10)	(10)	(7)
67 Total throughput adjustment (MDth/d)	(86)	(102)	(113)	(111)	(7)
68 Backbone Rate Inputs (AFT, \$/Dth)					
69 System average rate (excl Silverado and G-XF)	\$0.513	\$0.692	\$0.775	\$0.802	(8)
70 Core Redwood rate	\$0.454	\$0.609	\$0.688	\$0.718	(8)
71 Core Baja rate	\$0.554	\$0.744	\$0.858	\$0.898	(8)
72 Noncore Redwood rate	\$0.490	\$0.661	\$0.729	\$0.752	(8)
73 Noncore Baja rate	\$0.590	\$0.796	\$0.899	\$0.932	(8)

Revision Notes

(Explanations are based on comparisons to Exhibit PGE-2, Chapter 16B, Table 16B-2)

- (1) The full rate equivalent non-G-XF off-system throughputs are revised because the noncore Redwood rates (Line Nos. 3 and 72) are revised.
- (2) The noncore G-AA throughputs are revised because of changes to the demand forecast (see Note 2 of the previous table) and changes to the forecast of firm contracts (see Notes 3, 4, and 5 of this table).
- (3) The core G-SFT contracts and throughputs are revised due to delayed implementation of the Natural Gas Storage Strategy.
- (4) The noncore G-SFT/G-NFT contracts and utilization levels of those contracts are revised due to changes to the demand forecast (see Note 2 of the previous table) and delayed implementation of the Natural Gas Storage Strategy.
- (5) The total firm contracts and utilization levels of those contracts are revised due to changes to the demand forecast (see Note 2 of the previous table) and delayed implementation of the Natural Gas Storage Strategy.
- (6) The average reservation portion of the MFV rate is revised consistent with the revised revenue requirement in this Decision.
- (7) The adjustments for disproportionate usage of backbone paths are revised for several reasons, chiefly changes to the backbone load factors and the backbone rates themselves. (The backbone load factors and the backbone rates are interdependent and must be calculated in an iterative manner.) The adjustments for disproportionate usage of backbone paths are also affected by revisions to the demand forecast (see Note 2 of the previous table).
- (8) The backbone rates are revised consistent with the revised revenue requirement in this Decision and the revised backbone load factors.

2019 Gas Transmission and Storage Rate Case (2019 GT&S)

Adopted

APPENDIX H:

PACIFIC GAS AND ELECTRIC COMPANY

Illustrative End-User Rates Including Late Implementation Amortized Over 15 Months

Implementation Month: October

Amortization Period: 15 Months

Attachment 7

Natural Gas GHG Tables

(Public)

Illustrative Natural Gas GHG Rate Impacts

D.15-10-032, Decision Adopting Procedures Necessary For Natural Gas Corporations To Comply With The California Cap On Greenhouse Gas Emissions And Market-Based Compliance

Table A: Forecast Revenue Requirement

Line	Description	2018		2019		2020	
		Forecast	Recorded/ Forecast	Forecast	Recorded/ Forecast	Forecast	Recorded
1	Gross Throughput (MMcf) (See Note 3)	675,808	668,442	669,680	707,015	650,940	
2	Throughput to Covered Entities (MMcf)	(371,624)	(366,722)	(364,638)	(382,841)	(304,755)	
3	Net Throughput to End Users (MMcf) (Line 1 + Line 2)	304,184	301,720	305,042	324,174	346,185	
4	Lost and Unaccounted for Gas (MMcf)	10,654	12,551	10,316	10,785	10,083	
5	Total Supplied Gas (MMcf) (Line 3 + Line 4)	314,838	314,271	315,358	334,959	356,268	
6	Emissions Conversion Factor (MTCO ₂ e/MMcf)	54.64		54.64		54.64	
6a	LUAF MTCO ₂ e, (Line 4 * Line 6)	582,181		563,711		550,979	
7	Compliance for End Users excluding LUAF (MTCO ₂ e) (Line 3 * Line 6)	16,621,942		16,668,827		18,917,061	
8	Compliance Obligation for Company Facilities (MTCO ₂ e)	282,828		259,032		239,107	
9	Gross Compliance Obligation (MTCO₂e) (Line 6a + Line 7 + Line 8)	17,486,952		17,491,571		19,707,147	
10	Directly Allocated Allowances	(17,778,400)		(17,398,006)		(17,037,633)	
11	Percentage Consigned to Auction	40%		45%		50%	
12	Consigned Allowances (Line 10 * Line 11) (see Note 1)	7,111,360		7,829,103		8,518,816	
13	Net Compliance Obligation (MTCO₂e) (Line 9 + Line 10 + Line 12)	6,819,912		7,922,667		11,188,330	
14	Proxy GHG Allowance Price	\$ 15.55		\$ 16.33		\$ 17.78	
15	Compliance Instrument Cost* (see Note 2)	\$ 106,049,624	\$ 106,099,678	\$ 129,377,157	\$ 126,517,264	\$ 198,937,453	
16	Interest*/Financing Costs		\$ 3,157,684		\$ 649,062		
17	Revenue Fees & Uncollectibles	\$ 1,422,232	\$ 1,422,903	\$ 1,729,773	\$ 1,696,723	\$ 2,659,794	
18	Revenue Requirement (Line 15 + Line 16 + Line 17)	\$ 107,471,856	\$ 107,522,581	\$ 131,106,930	\$ 128,213,987	\$ 201,597,246	
19	Previous Years Cost Balancing Subaccount Balance			\$ 57,784,748		\$ (10,228,993)	
20	Revenue Requirement to be Included in Rates (Line 18 + Line 19)	\$ 107,471,856	\$ 188,891,678	\$ 188,891,678		\$ 191,368,254	
21	Covered Entity Rate Impact (\$/therm)	\$ 0.00185		\$ 0.00268		\$ 0.00219	
22	Non-Covered Entity Rate Impact (\$/therm)	\$ 0.02786		\$ 0.05049		\$ 0.05111	

*Recorded costs through November 2019 and a forecast through December 2019.

NOTES

- Year 2019 Recorded: Represents the allowances consigned in 2019 through 9/30/19 and forecast based on the the allowances to be consigned (based on total 2019 consigned allowances divided by 4)
- Line 15 of the Recorded column for 2019 Recorded includes 11 months actual and 1 month forecasted data. Costs covered Natural Gas end-users and compressor stations.
- Lines 1-9 of the 2019 Recorded/Forecast column includes January-June actuals and July-December forecasted data.

Table C: GHG Allowance Proceeds

Line	Description	2018		2019		2020	
		Forecast	Recorded	Forecast	Recorded/ Forecast	Forecast	Recorded
1	Proxy GHG Allowance Price (\$/MT)	\$ 15.55		\$ 16.33		\$ 17.78	
2	Directly Allocated Allowances	17,778,400		17,398,006		17,037,633	
3	Percentage Consigned to Auction	40%		45%		50%	
4	Consigned Allowances	7,111,360		7,829,103		8,518,816	
5	Allowance Proceeds (See Note 1)	\$ (110,581,648)		\$ (127,849,247)	\$ (131,802,931)	\$ (151,471,364)	
6	Previous Year's Revenue Balancing Subaccount Balance			\$ 142,668		\$ (6,251,649)	
7	Interest*		\$ (3,275,532)		\$ 552,135		
8	Subtotal Allowance Proceeds (\$) (Line 5 + Line 6 + Line 7)	\$ (110,581,648)	\$ (109,270,353)	\$ (127,706,579)	\$ (131,250,796)	\$ (157,723,013)	\$ -
9	Outreach and Admin Expenses (\$)* (from Table D)	\$ 1,152,303	\$ 880,264	\$ 575,270	\$ 269,295	\$ 536,977	
9a	Revenue Fees & Uncollectibles	\$ (1,467,557)	\$ (1,453,619)	\$ (1,699,746)	\$ (1,751,223)	\$ (2,101,577)	
10	Net GHG Proceeds Available for Customer Returns (\$) (Line 8 + Line 9)	\$ (110,896,902)	\$ (109,843,708)	\$ (128,831,055)	\$ (132,732,724)	\$ (159,287,613)	
11	2015-2017 Net of Costs and Proceeds included in October 2018 Customer Credit (including RF&U)		\$ (38,395,768)				
12	Number of Residential Households			5,061,931		5,070,453	
13	Per Household California Climate Credit (\$) (Line 10 / Line 11)			\$ (25.45)		\$ (31.41)	

*Recorded costs through November 2019 and a forecast through December 2019.

NOTES

- 1 Year 2019 Recorded: Represents the allowances proceeds in 2019 through 11/30/19 and forecast proceeds based on remaining expected consigned allowances multiplied by the proxy price of vintage 2019 California Carbon Allowance Future.

Table D: GHG Outreach and Administrative Expenses

Line	Description	2018		2019		2020	
		Forecast	Recorded*/Forecast	Forecast	Recorded*/Forecast	Forecast	Recorded
1	Outreach Expenses						
2	Detail of Outreach Activity (\$) (See Note 1)	\$ 187,303	\$ 71,340	\$ 73,000	\$ 37,205	\$ 67,554	
3	Subtotal Outreach (\$)	\$ 187,303	\$ 71,340	\$ 73,000	\$ 37,205	\$ 67,554	\$ -
4	Administrative Expenses						
5	General Program Management (See Note 2)	\$ 223,000	\$ 199,714	\$ 320,000	\$ 117,855	\$ 343,293	
6	IT/Billing System Enhancements (See Note 2a)	\$658,000	\$ 543,407	\$52,270	\$ 6,027	\$22,000	
7	Customer Inquiry Support Cost (See Note 2b)	\$ 84,000	\$ 53,137	\$ 130,000	\$ 85,412	\$ 104,130	
8	Subtotal Administrative (\$)	\$ 965,000	\$ 796,259	\$ 502,270	\$ 209,293	\$ 469,423	\$ -
9	Subtotal Outreach and Administrative (\$)	\$ 1,152,303	\$ 867,599	\$ 575,270	\$ 246,499	\$ 536,977	\$ -
10	Interest (\$)		\$ 12,665		\$ 22,797		\$ -
11	Total (\$)	\$ 1,152,303	\$ 880,264	\$ 575,270	\$ 269,295	\$ 536,977	\$ -

* 2019 Recorded/Forecast expenses include actual expenses for January through November, plus forecast for December.

NOTES:

1 Detail of Outreach Activity

Line 2: Costs associated with Outreach Activities in 2019 include: Development and deployment of bill inserts, emails and master meter letters. Maintenance and update of webpages. Labor for creative development as well as planning and management of outreach activities including coordination with the Energy Division.

2 Administrative Activities

Line 5: Costs associated with Program Management activities in 2019 include: Program management and coordination with various groups (IT, accounting, rates, regulatory, marketing) to ensure Natural Gas residential customers receive appropriate regulatory-approved Climate Credits and non-residential customers receive the appropriate covered entity cost exemptions. Assist with regulatory filings, advice letters and data requests, and ensuring compliance with all applicable regulatory requirements.

2a Line 6: Costs associated with IT/Billing System Enhancements activities in 2019 include: Maintenance of custom billing programs developed to administer the residential Climate Credits and covered entity cost exemptions, and development and deployment of necessary updates to PG&E's customer billing system.

2b Line 7: Costs associated with Customer Inquiry Support Cost activities in 2019 include: Customer support for calls received related to Natural Gas Climate Credit, as well as dedicated Customer Service Representatives to support non-residential customers related to covered entities' Compliance Cost Exemptions.

Table E: Compliance Obligation Over Time

	2016	2017	2018	2019	2020
Natural Gas Fuel Supplier Compliance Obligation (MTCO ₂ e)	17,251,614	17,987,142	NA	NA	NA
Company Facility Compliance Obligation (MTCO ₂ e)	253,236	221,111	NA	NA	NA

Attachment 8

Confidentiality Declaration

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA**

**PACIFIC GAS AND ELECTRIC COMPANY
ORDER INSTITUTING RULEMAKING TO ADDRESS NATURAL GAS
DISTRIBUTION UTILITY COST AND REVENUE ISSUES ASSOCIATED WITH
GREENHOUSE GAS EMISSIONS (R.14-03-003)**

**DECLARATION OF ROBERT GOMEZ
SEEKING CONFIDENTIAL TREATMENT
FOR CERTAIN DATA AND INFORMATION
CONTAINED IN ADVICE 4200-G**

I, Robert Gomez, declare:

1. I am a Manager in the Portfolio Management group within Energy Policy and Procurement at Pacific Gas and Electric Company (PG&E) and am responsible for leading commercial greenhouse gas policy and strategy. In carrying out these responsibilities, I have acquired knowledge of the California Air Resources Board's Cap-and-Trade Regulation and other programmatic measures to establish a market-based price for GHG emissions in order to manage PG&E's compliance with Cap-and-Trade, which became effective on January 1, 2012. This declaration is based on my personal knowledge of PG&E's practices and my understanding of the Commission's decisions protecting the confidentiality of market-sensitive procurement information.

2. Based on my knowledge and experience, and in accordance with the Decisions 06-06-066, 08-04-023, D.14-10-033 and relevant Commission rules, I make this declaration seeking confidential treatment for certain procurement data and information contained in Advice 4200-G.

3. Attached to this declaration is a matrix identifying the data and information for which PG&E is seeking confidential treatment. The matrix specifies that the material PG&E is seeking to protect constitutes confidential market sensitive procurement data and information covered by Public Utilities Code Section 454.5(g), D.14-10-033, and D.15-10-032. The matrix

also specifies why confidential protection is justified. Further, the data and information: (1) is not already public; and (2) cannot be aggregated, redacted, summarized or otherwise protected in a way that allows partial disclosure. By this reference, I am incorporating into this declaration all of the explanatory text that is pertinent to my testimony in the attached matrix.

I declare under penalty of perjury, under the laws of the State of California, that the foregoing is true and correct. Executed on December 18, 2019 at San Francisco, California.



Robert Gomez

PACIFIC GAS AND ELECTRIC COMPANY (U 39 E)

**ORDER INSTITUTING RULEMAKING TO ADDRESS NATURAL GAS DISTRIBUTION UTILITY COST AND REVENUE ISSUES
ASSOCIATED WITH GREENHOUSE GAS EMISSIONS (R.14-03-003)
PG&E ADVICE 4200-G**

IDENTIFICATION OF CONFIDENTIAL INFORMATION

Redaction Reference	Category from D.06-06-066, Appendix 1, or Separate Confidentiality Statute or Order That Data Corresponds To	Justification for Confidential Treatment	Length of Time Data To Be Kept Confidential
Document:			
Atch 7 – Table A, lines 6-14 and 19-20 - recorded data Atch 7 – Table B, all data Atch 7 – Table C, lines 1-4, and 12-13 - recorded data Atch 7 – GHG Procurement Limits	<i>D.14-10-033, Attachment A</i> <i>Public Utilities Code §454.5(g)</i> <i>D.15-10-032</i>	Information concerning GHG compliance instrument procurement strategy and/or activities. The release of this commercially sensitive information could cause harm to PG&E's customers and put PG&E at an unfair business advantage by the disclosure of PG&E's GHG compliance instrument inventories or quantities that can be used to derive GHG compliance instrument holdings. This information could be used by other market participants to gain a commercial advantage.	Indefinite

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35576-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 12	35280-G
35577-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 13	35281-G
35578-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 14	35282-G
35579-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 15	35283-G
35580-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 16	35284-G
35581-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 17	35285-G
35582-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 18	35286-G
35583-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 19	35287-G
35584-G	GAS PRELIMINARY STATEMENT PART B DEFAULT TARIFF RATE COMPONENTS Sheet 20	35288-G
35585-G	GAS PRELIMINARY STATEMENT PART C GAS ACCOUNTING TERMS & DEFINITIONS Sheet 2	35289-G
35586-G	GAS PRELIMINARY STATEMENT PART C GAS ACCOUNTING TERMS & DEFINITIONS Sheet 3	35290-G
35587-G	GAS PRELIMINARY STATEMENT PART C GAS ACCOUNTING TERMS & DEFINITIONS Sheet 4	35291-G
35588-G	GAS SCHEDULE G-AA AS AVAILABLE TRANSPORTATION ON-SYSTEM Sheet 2	35292-G
35589-G	GAS SCHEDULE G-AAOFF AS-AVAILABLE TRANSPORTATION OFF-SYSTEM Sheet 2	35293-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35590-G	GAS SCHEDULE G-AFT ANNUAL FIRM TRANSPORTATION ON-SYSTEM Sheet 2	35294-G
35591-G	GAS SCHEDULE G-AFTOFF ANNUAL FIRM TRANSPORTATION OFF-SYSTEM Sheet 2	35295-G
35592-G	GAS SCHEDULE G-BAL GAS BALANCING SERVICE FOR INTRASTATE TRANSPORTATION CUSTOMERS Sheet 4	35296-G
35593-G	GAS SCHEDULE G-CFS CORE FIRM STORAGE Sheet 1	35297-G
35594-G	GAS SCHEDULE G-EG GAS TRANSPORTATION SERVICE TO ELECTRIC GENERATION Sheet 2	35298-G
35595-G	GAS SCHEDULE G-LNG EXPERIMENTAL LIQUEFIED NATURAL GAS SERVICE Sheet 1	35299-G
35596-G	GAS SCHEDULE G-NGV4 NONCORE NATURAL GAS SERVICE FOR COMPRESSION ON CUSTOMERS' PREMISES Sheet 1	35300-G
35597-G	GAS SCHEDULE G-NGV4 NONCORE NATURAL GAS SERVICE FOR COMPRESSION ON CUSTOMERS' PREMISES Sheet 2	35301-G
35598-G	GAS SCHEDULE G-NT GAS TRANSPORTATION SERVICE TO NONCORE END-USE CUSTOMERS Sheet 1	35302-G
35599-G	GAS SCHEDULE G-NT GAS TRANSPORTATION SERVICE TO NONCORE END-USE CUSTOMERS Sheet 2	35303-G
35600-G	GAS SCHEDULE G-SFS STANDARD FIRM STORAGE SERVICE Sheet 1	35304-G
35601-G	GAS SCHEDULE G-SFT SEASONAL FIRM TRANSPORTATION ON-SYSTEM ONLY Sheet 2	35305-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
35602-G	GAS SCHEDULE G-WSL GAS TRANSPORTATION SERVICE TO WHOLESALE/RESALE CUSTOMERS Sheet 1	35306-G
35603-G	GAS SCHEDULE G-WSL GAS TRANSPORTATION SERVICE TO WHOLESALE/RESALE CUSTOMERS Sheet 2	35307-G
35604-G	GAS SCHEDULE G-XF PIPELINE EXPANSION FIRM INTRASTATE TRANSPORTATION SERVICE Sheet 1	35308-G
35605-G	GAS TABLE OF CONTENTS Sheet 1	35527-G
35606-G	GAS TABLE OF CONTENTS Sheet 2	35528-G
35607-G	GAS TABLE OF CONTENTS Sheet 3	35521-G
35608-G	GAS TABLE OF CONTENTS Sheet 4	35522-G



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 12

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM)* (Cont'd.)

NONCORE p. 1

THERMS:	G-NT TRANSMISSION		G-NT—DISTRIBUTION SUMMER					
			0- <u>20,833</u>		20,834- <u>49,999</u>		50,000- <u>166,666</u>	166,667- <u>249,999***</u>
NCA – NONCORE	0.00050	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)
NCA – DISTRIBUTION SUBACCOUNT	0.00875	(R)	0.20859	(R)	0.12309	(R)	0.10563	(R)
CPUC FEE	0.00250		0.00250		0.00250		0.00250	
CSI- SOLAR THERMAL PROGRAM	0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)
CEE INCENTIVE	0.00000		0.00007	(I)	0.00007	(I)	0.00007	(I)
LOCAL TRANSMISSION OR SURCHARGE (AT RISK) (3)	0.10029	(I)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)
NCA - ARB AB32 COI	0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	<u>0.00046</u>
TOTAL RATE	0.16346	(R)	0.36337	(R)	0.27787	(R)	0.26041	(R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

*** Rate components for G-NT Distribution over 249,999 therms are the same as G-NT Transmission.

(Continued)

Advice 4200-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
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Resolution

December 23, 2019
January 1, 2020



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 13

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM)* (Cont'd.)

NONCORE p. 2

THERMS:	G-NT BACKBONE		G-NT—DISTRIBUTION WINTER							
			0- 20,833		20,834- 49,999		50,000- 166,666		166,667- 249,999***	
NCA – NONCORE	(0.00145)	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)
NCA – DISTRIBUTION SUBACCOUNT	0.00000		0.29114	(R)	0.17572	(R)	0.15214	(R)	0.13370	(R)
CPUC FEE	0.00250		0.00250		0.00250		0.00250		0.00250	
CSI- SOLAR THERMAL PROGRAM	0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)
CEE INCENTIVE	0.00000		0.00007	(I)	0.00007	(I)	0.00007	(I)	0.00007	(I)
LOCAL TRANSMISSION OR SURCHARGE (AT RISK) (3)	0.00000		0.10029	(I)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)
NCA - ARB AB32 COI	0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	0.00000		(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	
TOTAL RATE	0.05420	(R)	0.44592	(R)	0.33050	(R)	0.30692	(R)	0.28848	(R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

*** Rate components for G-NT Distribution over 249,999 therms are the same as G-NT Transmission

(Continued)

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Vice President, Regulatory Affairs

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**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 14

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM)* (Cont'd.)

NONCORE p. 3

	<u>G-EG (2)**</u>	<u>G-EG BACKBONE</u>
NCA – NONCORE	0.00013 (R)	(0.00144) (R)
NCA – DISTRIBUTION SUBACCOUNT	0.00311	0.00274 (R)
CPUC FEE	0.00010	0.00010
CSI- SOLAR THERMAL PROGRAM	0.00000	0.00000
CEE INCENTIVE	0.00000	0.00000
LOCAL TRANSMISSION OR SURCHARGE (AT RISK) (3)	0.10029 (I)	0.00000
AB 32 GHG COMPLIANCE COST	0.04893 (I)	0.04893 (I)
AB 32 GHG OPERATIONAL COST	0.00219 (R)	0.00219 (R)
NCA - ARB AB32 COI	0.00147 (I)	0.00147 (I)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	(0.00173) (R)	0.00000
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195) (R)	(0.00195) (R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>	<u>0.00046</u>
TOTAL RATE	0.15300 (R)	0.05250 (R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 15

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM)* (Cont'd.)

NONCORE p. 4

	G-WSL							
	Palo Alto-T		Coalinga-T		Island Energy-T		Alpine-T	
NCA – NONCORE	(0.00131)	(R)	(0.00131)	(R)	(0.00131)	(R)	(0.00131)	(R)
NCA – DISTRIBUTION SUBACCOUNT	0.00000		0.00000		0.00000		0.00000	
CPUC FEE**	0.00000		0.00000		0.00000		0.00000	
CSI- SOLAR THERMAL PROGRAM	0.00000		0.00000		0.00000		0.00000	
CEE INCENTIVE	0.00000		0.00000		0.00000		0.00000	
LOCAL TRANSMISSION (AT RISK)	0.10029	(I)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00218	(R)	0.00218	(R)	0.00218	(R)	0.00218	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	
TOTAL RATE	0.14687	(R)	0.14687	(R)	0.14687	(R)	0.14687	(R)

* All tariff rate components on this sheet include an allowance for Revenue Fees only.

** The CPUC Fee does not apply to customers on Schedule G-WSL

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 16

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM)* (Cont'd.)

	G-WSL					
	West Coast <u>Mather-T</u>		West Coast <u>Mather-D</u>		West Coast <u>Castle-D</u>	
NCA – NONCORE	(0.00131)	(R)	(0.00128)	(R)	(0.00128)	(R)
NCA – DISTRIBUTION SUBACCOUNT	0.00000		0.23404	(R)	0.17674	(R)
CPUC FEE**	0.00000		0.00000		0.00000	
CSI- SOLAR THERMAL PROGRAM	0.00000		0.00000		0.00000	
CEE INCENTIVE	0.00000		0.00000		0.00000	
LOCAL TRANSMISSION (AT RISK)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00218	(R)	0.00218	(R)	0.00218	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	
TOTAL RATE	0.14687	(R)	0.38094	(R)	0.32364	(R)

* All tariff rate components on this sheet include an allowance for Revenue Fees only.

** The CPUC Fee does not apply to customers on Schedule G-WSL

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 17

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM) (Cont'd.)*

NONCORE p. 6

	G-NGV4 TRANSMISSION			G-NGV4—DISTRIBUTION SUMMER							
				0- 20,833		20,834- 49,999		50,000- 166,666		166,667- 249,999	
NCA – NONCORE	0.00061	(R)		0.00050	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)
NCA – DISTRIBUTION SUBACCOUNT	(0.00012)	(R)		0.20859	(R)	0.12309	(R)	0.10563	(R)	0.09197	(R)
CPUC FEE	0.00250			0.00250		0.00250		0.00250		0.00250	
CSI- SOLAR THERMAL PROGRAM	0.00205	(I)		0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)
CEE INCENTIVE	0.00000			0.00007	(I)	0.00007	(I)	0.00007	(I)	0.00007	(I)
LOCAL TRANSMISSION (AT RISK)	0.10029	(I)		0.10029	(I)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)		0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00219	(R)		0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)
NCA - ARB AB32 COI	0.00147	(I)		0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	(0.00173)	(R)		(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)		(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>			<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	
TOTAL RATE	0.15470	(R)		0.36337	(R)	0.27787	(R)	0.26041	(R)	0.24675	(R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 18

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM) (Cont'd.)*

NONCORE p. 7

THERMS:	G-NGV4 BACKBONE		G—NGV4-DISTRIBUTION WINTER							
			0- 20,833		20,834- 49,999		50,000- 166,666		166,667- 249,999	
NCA – NONCORE	(0.00145)	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)	0.00050	(R)
NCA – DISTRIBUTION SUBACCOUNT	0.00000		0.29114	(R)	0.17572	(R)	0.15214	(R)	0.13370	(R)
CPUC FEE	0.00250		0.00250		0.00250		0.00250		0.00250	
CSI- SOLAR THERMAL PROGRAM	0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)	0.00205	(I)
CEE INCENTIVE	0.00000		0.00007	(I)	0.00007	(I)	0.00007	(I)	0.00007	(I)
LOCAL TRANSMISSION (AT RISK)	0.00000		0.10029	(I)	0.10029	(I)	0.10029	(I)	0.10029	(I)
AB 32 GHG COMPLIANCE COST	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)	0.04893	(I)
AB 32 GHG OPERATIONAL COST	0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)	0.00219	(R)
NCA - ARB AB32 COI	0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)	0.00147	(I)
2019 GT&S LATE IMPLEMENTATION AMORT – LT	0.00000		(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)	(0.00173)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – BB	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)	(0.00195)	(R)
2019 GT&S LATE IMPLEMENTATION AMORT – Storage	<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>		<u>0.00046</u>	
TOTAL RATE	0.05420	(R)	0.44592	(R)	0.33050	(R)	0.30692	(R)	0.28848	(R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 19

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM) (Cont'd.)*

NONCORE p. 8

	<u>G-LNG (1)*</u>	
NCA – NONCORE	0.00000	
NCA – DISTRIBUTION SUBACCOUNT	0.00000	
CPUC Fee	0.00250	
CSI- SOLAR THERMAL PROGRAM	0.00000	
CEE INCENTIVE	0.00000	
LNG BALANCING ACCOUNT	0.28938	(R)
LOCAL TRANSMISSION (AT RISK)	0.00000	
TOTAL RATE	0.29188	(R)

* All tariff rate components on the sheet include an allowance for Revenue Fees and Uncollectible (RF&U) accounts expense.

** Refer to footnotes at end of Noncore Default Tariff Rate Components.

(Continued)



**GAS PRELIMINARY STATEMENT PART B
DEFAULT TARIFF RATE COMPONENTS**

Sheet 20

B. DEFAULT TARIFF RATE COMPONENTS (\$/THERM) (Cont'd.)

MAINLINE EXTENSION RATES (1)

Core Schedules (2)	Mainline Extension Rate (Per Therm) (T)		Core Customer Charges (3)	
			ADU (therms) (4)	Per Day
Schedule G-NR1	\$0.35494	(I)	0 – 5.0	\$0.27048
			5.1 to 16.0	\$0.52106
			16.1 to 41.0	\$0.95482
			41.1 to 123.0	\$1.66489
			123.1 & Up	\$2.14936
Schedule G-NR2	\$0.15122	(I)	All Usage Levels	\$4.95518
Schedule G-NGV1	\$0.07913	(I)	All Usage Levels	\$0.44121
Schedule G-NGV2	N/A		All Usage Levels	N/A
Noncore Schedules	Mainline Extension Rate (Per Therm) (T)		Noncore Customer Access Charges (5)	
Schedule G-NT			Average Monthly Use (Therms)	Per Day
Distribution	\$0.16924	(I)	0 to 5,000	\$0.97512 (R)
Local Transmission	\$0.01040	(I)	5,001 to 10,000	\$2.90499 (R)
Backbone	\$0.00000		10,001 to 50,000	\$5.40690 (R)
			50,001 to 200,000	\$7.09611 (R)
Schedule G-EG			200,001 to 1,000,000	\$10.29567 (R)
Distribution	\$0.00326	(I)	1,000,001 and above	\$87.33436 (R)
Local Transmission	\$0.00326	(I)		
Backbone	\$0.00326	(I)		
Schedule G-NGV4				
Distribution	\$0.16924	(I)		
Local Transmission	\$0.00000			
Backbone	\$0.00000			

- (1) Mainline Extension Rates are required to support calculation of distribution-based revenues described in Rule 15.
- (2) For all residential schedules, see Rule 15 for extension allowances.
- (3) The Core Customer Charge is in addition to the core Mainline Extension Rates specified above.
- (4) The applicable Schedule G-NR1 Customer Charge is based on the customer's highest Average Daily Usage (ADU) determined from among the billing periods occurring within the last twelve (12) months, including the current billing period. PG&E calculates the ADU for each billing period by dividing the total usage by the number of days in the billing period.
- (5) The Noncore Customer Access Charge is in addition to the noncore Mainline Extension Rates specified above.

(Continued)



**GAS PRELIMINARY STATEMENT PART C
GAS ACCOUNTING TERMS & DEFINITIONS**

Sheet 2

C. GAS ACCOUNTING TERMS AND DEFINITIONS (Cont'd.)

2. ANNUAL GAS REVENUE REQUIREMENT AND PPP FUNDING REQUIREMENTS: (Cont'd.)

Amount (\$000)

Description	Core	Noncore	Unbundled	Core Procurement	Total
BASE REVENUES (incl. RF&U) :					
Authorized GRC Distribution Base Revenue (1)					1,965,919 (I)
Pension - Distribution (2)					47,699
Less: Other Operating Revenue					(28,091)
Authorized Distribution Revenues	<u>1,916,402</u>	<u>(I)</u>	<u>69,125</u>	<u>(I)</u>	<u>1,985,527 (I)</u>
BCAP ALLOCATION ADJUSTMENTS AND CREDITS TO BASE:					
G-10 Procurement-Related Employee Discount	(659)	(I)			(659) (I)
G-10 Procurement Discount Allocation	260	(R)	399	(R)	659 (R)
Core Brokerage Fee Credit	<u>(6,583)</u>				<u>(6,583)</u>
Distribution Base Revenue with Adj. and Credits	<u>1,909,420</u>	<u>(I)</u>	<u>69,524</u>	<u>(I)</u>	<u>1,978,944 (I)</u>
TRANSPORTATION FORECAST PERIOD COSTS & BALANCING ACCOUNT BALANCES (3):					
Transportation Balancing Accounts	355,231	(I)	(19,949)	(R)	335,282 (R)
Self-Generation Incentive Program Revenue Requirement	5,149		7,841		12,990
CPUC Fee	7,155		4,505		11,660
Pension – Gas Transmission & Storage (GT&S)	10,533	(R)	7,480	(I)	18,013
Greenhouse Gas Obligation Cost	6,253	(R)	9,603	(R)	15,856 (R)
Greenhouse Gas Compliance Cost	139,499	(I)	33,353	(I)	172,852 (I)
Greenhouse Gas Allowance Proceeds Return	(159,288)	(R)	0		(159,288) (R)
Revenue Fees and Uncollectible (RF&U) accounts expense (on items above)	6,490	(I)	271	(R)	6,760 (R)
CARE Discount included in PPP Funding Requirement	(129,374)				(129,374) (R)
CARE Discount not included in PPP Surcharge Rates	<u>0</u>				<u>0</u>
Transportation Forecast Period Costs & Balancing Account Balances	<u>241,648</u>	<u>(I)</u>	<u>43,104</u>	<u>(R)</u>	<u>284,752 (R)</u>
GT&S REVENUE REQUIREMENT (incl. RF&U) (4):					
Local Transmission	588,905	(I)	267,720	(I)	856,625 (I)
Customer Access Charge – Transmission			2,404	(R)	2,404 (R)
Storage	51,067	(R)		4,572	55,638 (R)
Carrying Cost on PG&E Working Gas in Storage	144	(R)		6	150 (R)
Backbone Transmission/L-401	<u>175,189</u>	<u>(I)</u>	<u>304,264</u>	<u>(I)</u>	<u>479,453 (I)</u>
GT&S Revenue Requirement	<u>815,305</u>	<u>(R)</u>	<u>270,125</u>	<u>(I)</u>	<u>1,394,267 (I)</u>

(1) The amount includes the authorized distribution base revenue approved in GRC D.17-05-013 and updated for the 2019 uncollectibles factor as determined in Advice 4020-G/5389-E.

(2) The calculation of the 2019 pension RRQ reflects the capitalization and functional labor ratios approved in the 2017 GRC D.17-05-013. See also Advice 4083-G.

(3) The SGIP revenue requirement was authorized in D.17-04-017.

(4) The 2019 Gas Transmission & Storage Revenue Requirement as adopted in D.19-09-025.

Note: Totals may not add due to rounding.

(Continued)



**GAS PRELIMINARY STATEMENT PART C
GAS ACCOUNTING TERMS & DEFINITIONS**

Sheet 3

C. GAS ACCOUNTING TERMS AND DEFINITIONS (Cont'd.)

2. ANNUAL GAS REVENUE REQUIREMENT AND PPP FUNDING REQUIREMENTS: (Cont'd.)

Amount (\$000)					
Description	Core	Noncore	Unbundled	Core Procurement	Total
ILLUSTRATIVE CORE PROCUREMENT REVENUE REQUIREMENT (5):					
Illustrative Gas Supply Portfolio				447,716 (R)	447,716 (R)
Interstate and Canadian Capacity				135,296 (R)	135,296 (R)
RF&U (on items above and Procurement Account Balances Below)				7,773 (R)	7,773 (R)
Backbone Capacity (incl. RF&U)	(128,236) (R)			128,236 (I)	0
Backbone Volumetric (incl. RF&U)	(46,953) (R)			46,953 (I)	0
Storage (incl. RF&U)	(51,065) (I)			51,065 (R)	0
Carrying Cost on PG&E Working Gas in Storage (incl. RF&U)	(144) (I)			144 (R)	0
Core Brokerage Fee (incl. RF&U)				6,583	6,583
Procurement Account Balances				-	-
Illus. Core Procurement Revenue Requirement	<u>(226,397) (I)</u>			<u>823,764 (R)</u>	<u>597,367 (R)</u>
TOTAL GAS REVENUE REQUIREMENT (without PPP)	<u>2,739,974 (I)</u>	<u>382,752 (R)</u>	<u>308,839</u>	<u>823,764 (R)</u>	<u>4,255,330 (R)</u>
GT&S LATE IMPLEMENTATION REVENUE REQUIREMENT (7):					
Local Transmission	8,788 (R)	(4,620) (R)			4,168 (R)
Backbone	13,487 (R)	(6,892) (R)			6,595 (R)
Storage	41,387 (R)	1,620 (R)			43,007 (R)
Total GT&S Late Implementation Revenue Requirement	<u>63,662 (R)</u>	<u>(9,892) (R)</u>			<u>53,770 (R)</u>
PUBLIC PURPOSE PROGRAM (PPP) FUNDING REQUIREMENT (RF&U exempt) (6):					
Energy Efficiency (EE)	58,010 (R)	26,503 (I)			84,513 (I)
Energy Savings Assistance (ESA)	49,359 (R)	-			49,359 (R)
Research, Demonstration and Development (RD&D)	5,731 (R)	4,086 (I)			9,817 (R)
CARE Administrative Expense	2,062 (I)	1,710 (I)			3,772 (I)
Statewide Marketing, Education & Outreach	782 (I)	357 (I)			1,139 (I)
BOE and CPUC Administrative Cost	278 (R)	199 (I)			477 (R)
	(81,238) (R)	(14,723) (R)			(95,961) (R)
PPP Balancing Accounts					
CARE Discount Recovered from non-CARE customers	70,720 (I)	58,655 (I)			129,375 (I)
Total PPP Funding Requirement in Rates	<u>105,704 (R)</u>	<u>76,787 (I)</u>			<u>182,491 (R)</u>
TOTAL GAS REVENUE AND PPP FUNDING REQUIREMENT	<u>2,909,340 (R)</u>	<u>449,647 (R)</u>	<u>308,839 (I)</u>	<u>823,764 (R)</u>	<u>4,491,591 (R)</u>

(5) The credits shown in the Core column represent the core portion of the Gas and Transmission & Storage RQQ that is included in the illustrative Core Procurement RRQ and are shown here to avoid double counting these costs in the total. The Gas Supply Portfolio cost is an annual illustrative amount. Actual gas commodity costs change monthly. (T)

(6) The PPP funding requirement is recovered in gas PPP surcharge rates pursuant to D.04-08-010 and 2019 PPP Surcharge AL 4174-G; and includes ESA program and CARE annual administrative expense funding adopted in D.17-12-009, EE program funding adopted in D.18-05-041, and Statewide Marketing Education and Outreach funding adopted in D.16-09-020, excluding RF&U per D.04-08-010. (T)

(7) 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 (\$5.8M annual RRQ) is included in Local Transmission Balancing Accounts. (T)

Note: Totals may not foot due to rounding.

(Continued)

Advice 4200-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

December 23, 2019
January 1, 2020



GAS PRELIMINARY STATEMENT PART C
GAS ACCOUNTING TERMS & DEFINITIONS

Sheet 4

C. GAS ACCOUNTING TERMS AND DEFINITIONS (Cont'd.)

3. COST ALLOCATION FACTORS:

- a. General: These factors are derived from the allocation policies adopted in the last Cost Allocation Proceeding and are used to allocate recorded costs to customer classes.

Cost Category	Factor			Total
	Core	Noncore	Unbundled Storage and System Load Balancing	
Distribution Base Revenue Requirements	0.965186	0.034814		1.000000
Intervenor Compensation	0.965186	0.034814		1.000000
Other – Equal Distribution Based on All Transportation Volumes	0.394376	0.605624		1.000000
Carrying Cost on PG&E Working Gas in Storage	0.879364 (I)		0.120636 (R)	1.000000
ARB AB32 Cost of Implementation Fee	0.498948 (R)	0.501052 (I)		1.000000

- b. Pacific Gas and Electric Gas Transmission Northwest (PG&E GT-NW) and Intrastate Pipeline Demand Charges: Factors are derived based on the procedures defined in Decisions 91-11-025 and 97-05-093.

- 1) The core procurement factor will be equal to the capacity reserved for core procurement customers on each pipeline divided by the total capacity held by PG&E on that pipeline.
- 2) The core transport factor will be equal to the capacity reserved for core transport customers on each pipeline divided by the total capacity held by PG&E on that pipeline.

4. **COST ALLOCATION PROCEEDING:** The proceeding in which the Transportation Revenue Requirement, as described in Section C.10.c below, and the gas PPP authorized funding, as described in Section C.11. below, is allocated between customer classes. This proceeding is currently a biennial proceeding pursuant to CPUC Decision 90-09-089.
5. **FORECAST PERIOD OR TEST PERIOD:** The 24-month period, beginning with the revision date as specified in the Cost Allocation Proceeding.

(Continued)



GAS SCHEDULE G-AA
AS AVAILABLE TRANSPORTATION ON-SYSTEM

Sheet 2

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

<u>Path:</u>	<u>Usage Rate (Per Dth)</u>
Redwood to On-System	\$0.7933 (l)
Baja to On-System	\$0.9553 (l)
Silverado to On-System	\$0.6028 (l)
Mission to On-System	\$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

**NEGOTIABLE
RATES:** Rates under this schedule are not negotiable.

**CREDIT-
WORTHINESS:** Customer must meet the creditworthiness requirements specified in Rule 25.

**SERVICE
AGREEMENT
AND TERM:** A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

**CURTAILMENT
OF SERVICE:** Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL.



GAS SCHEDULE G-AAOFF
AS-AVAILABLE TRANSPORTATION OFF-SYSTEM

Sheet 2

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

<u>Path:</u>	<u>Usage Rate (Per Dth)</u>
Redwood to Off-System	\$0.7933 (l)
Baja to Off-System	\$0.9553 (l)
Silverado to Off-System	\$0.7933 (l)
Mission to Off-System	\$0.7933 (l)
Mission to Off-System Storage Withdrawals	\$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

STORAGE WITHDRAWAL OPTIONS (MISSION TO OFF-SYSTEM): Storage withdrawals to PG&E's Backbone Transmission System may be nominated for off-system delivery under the Mission Off-System As-Available service for no additional charge.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL.



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**Pacific Gas and
Electric Company®**

San Francisco, California

Cancelling Revised
RevisedCal. P.U.C. Sheet No. 35590-G
Cal. P.U.C. Sheet No. 35294-G**GAS SCHEDULE G-AFT**
ANNUAL FIRM TRANSPORTATION ON-SYSTEM

Sheet 2

RATES:

Customer has the option to elect either the Modified Fixed Variable (MFV) or the Straight Fixed Variable (SFV) rate structure, which will then be specified in the exhibits to the Customer's GTSA.

1. Reservation Charge:

The Reservation Charge shall be the applicable reservation rate multiplied by the Maximum Daily Quantity (MDQ) for the contracted path as specified in the exhibits to the Customer's GTSA. The Reservation Charge is payable each month regardless of the quantity of gas transported during the month.

<u>Path:</u>	Reservation Rate (Per Dth per month)			
	MFV Rates		SFV Rates	
Redwood to On-System	\$14.8870	(I)	\$20.0078	(I)
Redwood to On-System (Core Procurement Groups only)	\$13.5578	(I)	\$18.4477	(I)
Baja to On-System	\$17.9270	(I)	\$24.0935	(I)
Baja to On-System (N) (Core Procurement Groups only) (N)	\$16.5621	(I)	\$22.5356	(I)
Silverado to On-System (including Core Procurement Groups)	\$11.1722	(I)	\$15.2032	(I)
Mission to On-System (including Core Procurement Groups)	\$11.1722	(I)	\$15.2032	(I)

2. Usage Charge:

The Usage Charge shall be equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

<u>Path:</u>	Usage Rate (Per Dth)			
	MFV Rates		SFV Rates	
Redwood to On-System	\$0.1717	(I)	\$0.0033	(I)
Redwood to On-System (Core Procurement Groups only)	\$0.1635	(I)	\$0.0027	(I)
Baja to On-System	\$0.2067	(I)	\$0.0040	(I)
Baja to On-System (N) (Core procurement Groups only) (N)	\$0.1997	(I)	\$0.0033	(I)
Silverado to On-System (including Core Procurement Groups)	\$0.1350	(I)	\$0.0025	(I)
Mission to On-System (including Core Procurement Groups)	\$0.1350	(I)	\$0.0025	(I)
Mission to On-System Storage Withdrawals (Conversion option from Firm On-System Redwood or Baja Path only)	\$0.0000		\$0.0000	

(Continued)

Advice 4200-G
DecisionIssued by
Robert S. Kenney
Vice President, Regulatory AffairsSubmitted December 23, 2019
Effective January 1, 2020
Resolution



GAS SCHEDULE G-AFTOFF
ANNUAL FIRM TRANSPORTATION OFF-SYSTEM

Sheet 2

RATES: Customer has the option to elect either the MFV or the SFV rate structure, which will then be specified in the exhibits to the Customer's GTSA.

1. Reservation Charge:

The Reservation Charge shall be the applicable reservation rate multiplied by the Maximum Daily Quantity (MDQ) for the contracted path as specified in the exhibits to the Customer's GTSA. The Reservation Charge is payable each month regardless of the quantity of gas transported during the month.

<u>Path:</u>	Reservation Rate (Per Dth per month)			
	MFV Rates		SFV Rates	
Redwood to Off-System	\$14.8870	(I)	\$20.0078	(I)
Baja to Off-System	\$17.9270	(I)	\$24.0935	(I)
Silverado to Off-System	\$14.8870	(I)	\$20.0078	(I)
Mission to Off-System	\$14.8870	(I)	\$20.0078	(I)

2. Usage Charge:

The Usage Charge shall be equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

<u>Path:</u>	Usage Rate (Per Dth)			
	MFV Rates		SFV Rates	
Redwood to Off-System	\$0.1717	(I)	\$0.0033	(I)
Baja to Off-System	\$0.2067	(I)	\$0.0040	(I)
Silverado to Off-System	\$0.1717	(I)	\$0.0033	(I)
Mission to Off-System	\$0.1717	(I)	\$0.0033	(I)

3. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

(Continued)



GAS SCHEDULE G-BAL Sheet 4
GAS BALANCING SERVICE FOR INTRASTATE TRANSPORTATION CUSTOMERS

**MONTHLY
BALANCING
OPTIONS:
(Cont'd.)**

CASHOUT FOR MONTHLY BALANCING:

Monthly imbalances after trading is completed, which exceed the Monthly Tolerance Band are cashed out for both the commodity component and the transportation component.

The Commodity Cashout for each month is based on the following four (4) imbalance categories: Over-deliveries and under-deliveries in the imbalance range of greater than five percent (5%) and less than or equal to ten percent (10%) of usage (Tier I Cashout), and over-deliveries and under-deliveries in the imbalance range of greater than ten percent (10%) of usage (Tier II Cashout). The amount of gas in each category is multiplied by the appropriate price as determined below to calculate the commodity cashout portion of the bill.

The Transportation Cashout for each month is based only on the under or over-delivery greater than five percent (5%). This amount is multiplied by the appropriate transportation cashout price as determined below to calculate the transportation cashout portion of the bill. In the case of an overdelivery, this will be a credit.

**SELF-
BALANCING
OPTION:**

The Self-Balancing option requires daily balancing within specified limits. To participate in Self-Balancing, the Balancing Agent must have an NBAA or CTA Group.

To elect Self-Balancing, the Balancing Agent must sign a Self-Balancing Amendment (Form No. 79-971) and the NBAA or the Core Gas Aggregation Service Agreement (CTA Agreement) will be subject to the terms of Self-Balancing for the period identified in the Amendment.

SELF-BALANCING CREDIT:

The Self-Balancing option allows a Balancing Agent to receive a credit. The Self-Balancing credit is \$0.0350 (l) per Decatherm multiplied by the actual recorded monthly usage. Credits will be provided to the Balancing Agent on a monthly basis, subject to adjustments.

LIMIT ON SELF-BALANCING PARTICIPATION:

When a Balancing Agent elects Self-Balancing, their share of the balancing storage assets will be assigned to and marketed through PG&E's at-risk unbundled storage program. The amount of storage assets allocated to PG&E's at-risk unbundled storage program is based on the Balancing Agent's End-Use Customer's annual average usage as a percentage of PG&E's average annual system usage. PG&E will allow the election of Self-Balancing until the storage balancing assets of 1.1 Bcf of inventory, 25 MMcf per day of injection and 35 MMcf per day of withdrawal are reached. If these limits are reached, PG&E will restrict further elections for Self-Balancing until capacity is made available or the OFO Forum raises the limits.

(Continued)



**GAS SCHEDULE G-CFS
CORE FIRM STORAGE**

Sheet 1

APPLICABILITY: This rate schedule* provides the rates and charges for core firm storage service taken by PG&E's Core Gas Supply Department (CGS), Core Transport Agents (CTAs) and others, pursuant to the core firm storage provisions of Schedule G-CT. It covers accepted PG&E-Allocated Storage, CTA Self-Managed Storage procured from PG&E, and assignments of the foregoing storage capacity to others.

This schedule also provides the methodology for determining the quantity of gas inventory that may be sold to or purchased from a CTA by CGS, as amounts of PG&E-Allocated Storage change during the Storage Year. In addition, this schedule describes the calculation of the prices to be paid when such gas inventory is transferred.

CTAs and CGS may also take storage service under Schedule(s), G-SFS, G-NFS and/or G-NAS in conjunction with service under this rate schedule.

TERRITORY: Schedule G-CFS applies to the firm use of PG&E's storage facilities.

STORAGE MONTHLY CHARGE: CTAs, CGS, and others holding core firm storage will be billed each month based upon the amount of storage held for all or a portion of the current month. The monthly charge is calculated by multiplying the applicable monthly rate, shown below, by the inventory capacity held that month.

Reservation Charge per Dth per month \$0.3424 (I)

SHRINKAGE: In-kind storage shrinkage is applicable to all injection quantities in accordance with gas Rule 21.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) and applicable exhibit(s) and an Electronic Commerce System User Agreement (Form No. 79-982) are required for CTAs and CGS taking service under this Rate Schedule.

TERM: Core firm storage is allocated for a one-year term starting on April 1 and ending on March 31 of the following year (Storage Year), and may be assigned by CTA and CGS under the provisions of Assignment Of Storage, specified below.

NOMINATIONS: Nominations are required for injections and withdrawals. See Rule 21 for details.

ANNUAL INVENTORY/ INJECTION/ WITHDRAWAL: This schedule provides the Annual Inventory including the firm injection and withdrawal capacities for CTAs and CGS. It also specifies month-end minimum inventory targets for CTAs and CGS.

Annual Inventory (AI)

PG&E's current Total Core Storage Capacity Reservation is:

Annual Inventory 33,477,700 Dth

As described in Schedule G-CT, this quantity will decline during the seven-year period in which CTAs transition to Self-Managed Storage.

A CTA Group's Annual Inventory is calculated as follows:

Calculations are in Dth.

* PG&E's gas tariffs are available on-line at www.pge.com.

(Continued)



GAS SCHEDULE G-EG
GAS TRANSPORTATION SERVICE TO ELECTRIC GENERATION

Sheet 2

RATES: The following charges apply to this schedule. They do not include charges for service on
(Cont'd.) PG&E's Backbone Transmission System:

1. Customer Access Charge:

The applicable Per-Day Customer Access Charge specified below is based on the Customer's Average Monthly Use, as defined in Rule 1. Usage through multiple noncore meters on a single premises will be combined to determine Average Monthly Usage. Customers taking service under this schedule who also receive service under other noncore rate schedules at the same premises will be charged a single Customer Access Charge under this schedule.

Average Monthly Use (Therms)	Per Day
0 to 5,000 therms	\$0.97512 (R)
5,001 to 10,000 therms	\$2.90499 (R)
10,001 to 50,000 therms	\$5.40690 (R)
50,001 to 200,000 therms	\$7.09611 (R)
200,001 to 1,000,000 therms	\$10.29567 (R)
1,000,001 and above therms	\$87.33436 (R)

2. Transportation Charge:

Customers will pay one of the following rates for gas delivered in the current billing period:

- a. The Backbone Level Rate applies to Backbone Level End-Use Customers as defined in Rule 1.
Backbone Level Rate: \$0.05250 per therm (R)
- b. All Other Customers: \$0.15300 per therm (R)

Customers may be required to pay a franchise fee surcharge for gas volumes transported by PG&E. (See Schedule G-SUR for details.)

In addition, the Customer will also be responsible for any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of gas supplied from a source other than PG&E from intra- or interstate sources.

3. Cap-and-Trade Cost Exemption \$0.04893 per therm (I)

The Cap-and-Trade Cost Exemption is applicable to customers who are identified by the California Air Resources Board (CARB) as being Covered Entities for their Greenhouse Gas (GHG) emissions as part of the Cap-and-Trade program. Applicable Cap-and-Trade Cost Exemptions may be provided from the date CARB identifies a customer as being a Covered Entity, or provided based upon documentation satisfactory to the Utility for the time period for which the customer was a Covered Entity, whichever is earlier.

See Preliminary Statement, Part B for Default Tariff Rate Components.

NEGOTIABLE RATES: Rates under this schedule may be negotiated.

(Continued)



GAS SCHEDULE G-LNG
EXPERIMENTAL LIQUEFIED NATURAL GAS SERVICE

Sheet 1

- APPLICABILITY:** This rate schedule* applies to experimental natural gas liquefaction service provided by PG&E to noncore End-Use Customers. This experimental liquefaction service is limited and PG&E will provide this service on a first-come first-served basis.
- TERRITORY:** Schedule G-LNG applies to the PG&E experimental Liquefied Natural Gas (LNG) facility located in Sacramento, California.
- RATES:** The following charges will apply to per therm liquefied natural gas service under this rate schedule:
- Liquefaction Charge (Per Therm): \$0.29188 (R)
- LNG Gallon Equivalent: \$0.23934 (R)
(Conversion factor - One LNG Gallon = 0.82 Therms)
- Public Purpose Program Surcharge:
Customers served under this schedule are subject to a gas Public Purpose Program (PPP) Surcharge under Schedule G-PPPS.
- METERING:** For metering and billing purposes, the number of LNG gallons dispensed will be compiled from a summary of transactions recorded at the dispensing unit for the Customer during a calendar month. Delivery and custody transfer of LNG shall be at the point where LNG is dispensed into the Customer's LNG transport vehicle. LNG will be weighed and converted to LNG gallons. Vehicles must be weighed at an authorized weigh station prior to receiving LNG and again after filling. Weight information must be provided to PG&E within 5 business days. LNG gallons delivered will be converted to therms and billed. LNG usage that occurs during a billing period, but which is not recorded in that billing period, will be deferred to a future billing period.
- The rate includes local transportation costs from the PG&E Citygate to the LNG Facility. These charges do not include transportation service on PG&E's Backbone Transmission System, which must be arranged for separately
- See Preliminary Statement, Part B for the default tariff rate components.
- LNG COMPOSITION:** The resulting LNG product delivered will contain amounts equal to or greater than ninety-six percent (96%) methane and amounts equal to or less than four percent (4%) ethane.
- SERVICE AGREEMENT:** The Customer must execute a Natural Gas Service Agreement (NGSA) Form No. 79-756 to receive service under this schedule.
- NOMINATIONS:** Customers who take service under this schedule must arrange for the delivery of natural gas to the PG&E LNG facility in quantities necessary to equal the amount of LNG fuel dispensed to the customer. Nominations are required for gas transported under this schedule. See Rule 21 for details.

* PG&E's gas tariffs are on-line at www.pge.com.

(Continued)



**GAS SCHEDULE G-NGV4
NONCORE NATURAL GAS SERVICE
FOR COMPRESSION ON CUSTOMERS' PREMISES**

Sheet 1

APPLICABILITY: This rate schedule¹ applies to the transportation of gas to customer-owned natural gas vehicle fueling stations on PG&E's Backbone, Local Transmission and/or Distribution Systems. To qualify for service under this schedule, a Customer must be classified as a Noncore End-Use Customer, as defined in Rule 1. To initially qualify for noncore status, a non-residential Customer must have maintained an average monthly use, through a single meter, in excess of 20,800 therms during the previous twelve (12) months, excluding those months during which usage was 200 therms or less. See Rule 12 for details on core and noncore reclassification.

Customers must procure gas supply from a supplier other than PG&E.

Per D.15-10-032 and D.18-03-017, transportation rates include GHG Compliance Cost for non-covered entities. Customers who are directly billed by the Air Resources Board (ARB), i.e., covered entities, are exempt from paying AB 32 GHG Compliance Costs through PG&E's rates.² A "Cap-and-Trade Cost Exemption" credit for these costs will be shown as a line item on exempt customers' bills.^{3, 4}

TERRITORY: Schedule G-NGV4 applies everywhere within PG&E's natural gas Service Territory.

RATES: The applicable Customer Access Charges and Distribution Level Transportation Rate specified below is based on the Customer's Average Monthly Usage, as defined in Rule 1. Usage through multiple noncore gas meters on a single premises will be combined to determine Average Monthly Usage.

The following charges apply to service under this schedule:

1. Customer Access Charge:

The applicable Per-Day Customer Access Charge is multiplied by the number of days in the billing period.

Average Monthly Use (Therms)	Per Day	
0 to 5,000	\$0.97512	(R)
5,001 to 10,000	\$2.90499	(R)
10,001 to 50,000	\$5.40690	(R)
50,001 to 200,000	\$7.09611	(R)
200,001 to 1,000,000	\$10.29567	(R)
1,000,001 and above	\$87.33436	(R)

¹ PG&E's gas tariffs are available online at www.pge.com.

² Covered entities are not exempt from paying costs associated with LUAF Gas and Gas used by Company Facilities.

³ The exemption credit will be equal to the effective non-exempt AB 32 GHG Compliance Cost Rate (\$ per therm) included in Preliminary Statement – Part B, multiplied by the customer's billed volumes (therms) for each billing period.

⁴ PG&E will update its billing system annually to reflect newly exempt or newly excluded customers to conform with lists of Directly Billed Customers provided annually by the ARB.

(Continued)



**GAS SCHEDULE G-NGV4
NONCORE NATURAL GAS SERVICE
FOR COMPRESSION ON CUSTOMERS' PREMISES**

Sheet 2

RATES:
(Cont'd.)

2. Transportation Charge:

A customer will pay one of the following rates for gas delivered in the current billing month.

a. Backbone Level Rate:

The Backbone Level Rate applies to Backbone Level End-Use Customers as defined in Rule 1.

Backbone Level Rate (per therm) \$0.05420 (R)

b. Transmission-Level Rate:

The Transmission-Level Rate applies to Customers served directly from PG&E gas facilities that have a maximum operating pressure greater than sixty pounds per square inch (60 psi) that do not qualify for the Backbone Level Rate.

Transmission-Level Rate (per therm)..... \$0.15470 (R)

c. Distribution-Level Rate:

The Distribution-Level Rate applies to Customers served from PG&E gas facilities that have a maximum operating pressure of sixty pounds per square inch (60 psi) or less. The Tier 5 rate is equal to the Transmission-Level Rate specified above.

Average Monthly Use (Therms)	Summer (Per Therm)	Winter (Per Therm)
Tier 1: 0 to 20,833	\$0.36337 (R)	\$0.44592 (R)
Tier 2: 20,834 to 49,999	\$0.27787 (R)	\$0.33050 (R)
Tier 3: 50,000 to 166,666	\$0.26041 (R)	\$0.30692 (R)
Tier 4: 166,667 to 249,999	\$0.24675 (R)	\$0.28848 (R)
Tier 5: 250,000 and above*	\$0.15470 (R)	\$0.15470 (R)

3. Cap-and-Trade Cost Exemption: \$0.04893 per therm (I)

The Cap-and-Trade Cost Exemption is applicable to customers who are identified by the California Air Resources Board (CARB) as being Covered Entities for their Greenhouse Gas (GHG) emissions as part of the Cap-and-Trade program. Applicable Cap-and-Trade Cost Exemptions may be provided from the date CARB identifies a customer as being a Covered Entity, or provided based upon documentation satisfactory to the Utility for the time period for which the customer was a Covered Entity, whichever is earlier.

See Preliminary Statement Part B for Default Tariff Rate Components.

* Tier 5 Summer and Winter rates are the same.

(Continued)



GAS SCHEDULE G-NT
GAS TRANSPORTATION SERVICE TO NONCORE END-USE CUSTOMERS

Sheet 1

APPLICABILITY: This rate schedule¹ applies to the transportation of natural gas to Noncore End-Use Customers on PG&E's Backbone, Local Transmission and/or Distribution Systems. To qualify for service under this schedule, a Customer must be classified as a Noncore End-Use Customer, as defined in Rule 1. To initially qualify for noncore status, a non-residential Customer must have maintained an average monthly use, through a single meter, in excess of 20,800 therms during the previous twelve (12) months, excluding those months during which usage was 200 therms or less. Certain noncore customers served under this schedule may be restricted from converting to a core rate schedule. See Rule 12 for details on core and noncore reclassification.

Customers on Schedule G-NT must procure gas supply from a supplier other than PG&E.

Per D.15-10-032 and D.18-03-017, transportation rates include GHG Compliance Cost for non-covered entities. Customers who are directly billed by the Air Resources Board (ARB), i.e., covered entities, are exempt from paying AB 32 GHG Compliance Costs through PG&E's rates.¹ A "Cap-and-Trade Cost Exemption" credit for these costs will be shown as a line item on exempt customers' bills.^{2, 3}

TERRITORY: Schedule G-NT applies everywhere within PG&E's natural gas Service Territory.

RATES: The applicable Customer Access Charges and Distribution Level Transportation Rate specified below is based on the Customer's Average Monthly Usage, as defined in Gas Rule 1. Usage through multiple noncore gas meters on a single premises will be combined to determine Average Monthly Usage.

1. Customer Access Charge:

The applicable Per-Day Customer Access Charge is multiplied by the number of days in the billing period.

Average Monthly Use (Therms)	Per Day
0 to 5,000	\$0.97512 (R)
5,001 to 10,000	\$2.90499 (R)
10,001 to 50,000	\$5.40690 (R)
50,001 to 200,000	\$7.09611 (R)
200,001 to 1,000,000	\$10.29567 (R)
1,000,001 and above	\$87.33436 (R)

¹ PG&E's gas tariffs are available online at www.pge.com.

² Covered entities are not exempt from paying costs associated with LUAF Gas and Gas used by Company Facilities.

³ The exemption credit will be equal to the effective non-exempt AB 32 GHG Compliance Cost Rate (\$ per therm) included in Preliminary Statement – Part B, multiplied by the customer's billed volumes (therms) for each billing period.

⁴ PG&E will update its billing system annually to reflect newly exempt or newly excluded customers to conform with lists of Directly Billed Customers provided annually by the ARB.

(Continued)



GAS SCHEDULE G-NT Sheet 2
GAS TRANSPORTATION SERVICE TO NONCORE END-USE CUSTOMERS

RATES:
(Cont'd.)

2. Transportation Charge:

A customer will pay one of the following rates for gas delivered in the current billing month.

a. Backbone Level Rate:

The Backbone Level Rate applies to Backbone Level End-Use Customers as defined in Rule 1.

Backbone Level Rate (per therm): \$0.05420 (R)

b. Transmission-Level Rate:

The Transmission-Level Rate applies to Customers served directly from PG&E gas facilities that have a maximum operating pressure greater than sixty pounds per square inch (60 psi) that do not qualify for the Backbone Level Rate.

Transmission-Level Rate (per therm): \$0.16346 (R)

c. Distribution-Level Rate:

The Distribution-Level Rate applies to Customers served from PG&E gas facilities that have a maximum operating pressure of sixty pounds per square inch (60 psi) or less. The Tier 5 rate is equal to the Transmission-Level Rate specified above.

Average Monthly Use (Therms)	Summer (Per Therm)	Winter (Per Therm)
Tier 1: 0 to 20,833	\$0.36337 (R)	\$0.44592 (R)
Tier 2: 20,834 to 49,999	\$0.27787 (R)	\$0.33050 (R)
Tier 3: 50,000 to 166,666	\$0.26041 (R)	\$0.30692 (R)
Tier 4: 166,667 to 249,999	\$0.24675 (R)	\$0.28848 (R)
Tier 5: 250,000 and above*	\$0.16346 (R)	\$0.16346 (R)

3. Cap-and-Trade Cost Exemption: \$0.04893 (I)

The Cap-and-Trade Cost Exemption is applicable to customers who are identified by the California Air Resources Board (CARB) as being Covered Entities for their Greenhouse Gas (GHG) emissions as part of the Cap-and-Trade program. Applicable Cap-and-Trade Cost Exemptions may be provided from the date CARB identifies a customer as being a Covered Entity, or provided based upon documentation satisfactory to the Utility for the time period for which the customer was a Covered Entity, whichever is earlier.

See Preliminary Statement Part B for Default Tariff Rate Components.

* Tier 5 Summer and Winter rates are the same.

Note: Customers who are directly billed by Air Resources Board (ARB) for ARB AB32 Administration Fees are exempt from PG&E's ARB AB32 Cost of Implementation (COI) rate component. Customers on the Directly Billed list, as provided annually by the ARB, may change from year to year. The exemption credit will be equal to PG&E's currently-effective ARB AB32 COI per-therm rate component (as shown in PG&E's Preliminary Statement, Part B – "Default Tariff Rate Components"), times the customer's billed volumes (therms) for each billing period.

(Continued)



GAS SCHEDULE G-SFS
STANDARD FIRM STORAGE SERVICE

Sheet 1

APPLICABILITY: This rate schedule* applies to the firm use of PG&E's storage facilities. This rate schedule provides a combination of firm storage injection, inventory and withdrawal service. Service under this rate schedule is available to any Customer including Core Procurement Groups (CPGs) on behalf of Core Customers for storage service in addition to that provided under Schedule G-CFS.

TERRITORY: This rate schedule applies to firm use of PG&E's storage facilities.

RATES: Rates under this schedule consist of Reservation Charges. The Reservation Charge is based upon the amount of inventory capacity held by the Customer (Contract Inventory). Contract Inventory is shown per Decatherm (Dth).

1. Reservation Charges:

The Reservation Charges shall be based on the quantities specified in Exhibit J of the Customer's Gas Transmission Service Agreement (GTSA) (Form No. 79-866). The Reservation Charge includes inventory, injection and withdrawal rights. The monthly charge is calculated by multiplying the applicable monthly rate shown below by the inventory specified in the GTSA (Contract Inventory).

Reservation Charge per Dth of Contract Inventory per month.....\$0.3930 (I)

2. Additional Charges:

The Customer will be responsible for any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

* PG&E's gas tariffs are available on-line at www.pge.com

(Continued)



GAS SCHEDULE G-SFT
SEASONAL FIRM TRANSPORTATION ON-SYSTEM ONLY

Sheet 2

RATES: Customer has the option to elect either the Modified Fixed Variable (MFV) or the Straight Fixed Variable (SFV) rate structure, which will then be specified in the Customer's GTSA.

1. Reservation Charge:

The Reservation Charge shall be the applicable reservation rate multiplied by the Maximum Daily Quantity (MDQ) for the contracted path as specified in the Exhibit to the Customer's GTSA. The Reservation Charge is payable each month regardless of the quantity of gas transported during the month.

<u>Path:</u>	Reservation Rate (Per Dth per month)			
	MFV Rates		SFV Rates	
Redwood to On-System	\$17.8644	(I)	\$24.0094	(I)
Baja to On-System	\$21.5124	(I)	\$28.9122	(I)
Baja to On-System (Core Procurement Groups only)	\$19.8746	(I)	\$27.0427	(I)
Silverado to On-System	\$13.4066	(I)	\$18.2438	(I)
Mission to On-System	\$13.4066	(I)	\$18.2438	(I)

2. Usage Charge:

The Usage Charge shall be equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

<u>Path:</u>	Usage Rate (Per Dth)			
	MFV Rates		SFV Rates	
Redwood to On-System	\$0.2060	(I)	\$0.0040	(I)
Baja to On-System	\$0.2481	(I)	\$0.0048	(I)
Baja to On-System (Core Procurement Groups only)	\$0.2397	(I)	\$0.0040	(I)
Silverado to On-System	\$0.1620	(I)	\$0.0030	(I)
Mission to On-System	\$0.1620	(I)	\$0.0030	(I)

3. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

(Continued)



GAS SCHEDULE G-WSL Sheet 1
GAS TRANSPORTATION SERVICE TO WHOLESALE/RESALE CUSTOMERS

APPLICABILITY: This rate schedule¹ applies to the transportation of natural gas for resale. Service under this schedule is available to the Customers listed below, and any new wholesale Customer. Customers must procure gas supply from a supplier other than PG&E.

Per D.15-10-032 and D.18-03-017, transportation rates include GHG Compliance Cost for non-covered entities. Customers who are directly billed by the Air Resources Board (ARB), i.e., covered entities, are exempt from paying AB 32 GHG Compliance Costs through PG&E's rates.² A "Cap-and-Trade Cost Exemption" credit for these costs will be shown as a line item on exempt customers' bills.^{3, 4}

LOAD FORECAST: For planning purposes, Customers may provide PG&E an annual forecast of the core and noncore portion of its load. If the Customer elects not to provide an annual forecast, PG&E will use the forecast adopted in the most recent Cost Allocation Proceeding.

RATES: Customers pay a Customer Access Charge and a Transportation Charge.

1. Customer Access Charge:

	Per Day	
Palo Alto	\$75.08679	(R)
Coalinga	\$22.51989	(R)
West Coast Gas-Mather	\$11.95496	(R)
Island Energy	\$15.25841	(R)
Alpine Natural Gas	\$5.09162	(R)
West Coast Gas-Castle	\$13.08164	(R)

2. Transportation Charges:

For gas delivered in the current billing month:

	Per Therm	
Palo Alto-T	\$0.14687	(R)
Coalinga-T	\$0.14687	(R)
West Coast Gas-Mather-T	\$0.14687	(R)
West Coast-Mather-D	\$0.38094	(R)
Island Energy-T	\$0.14687	(R)
Alpine Natural Gas-T	\$0.14687	(R)
West Coast Gas-Castle-D	\$0.32364	(R)

¹ PG&E's gas tariffs are available online at www.pge.com.

² Covered entities are not exempt from paying costs associated with LUAF Gas and Gas used by Company Facilities.

³ The exemption credit will be equal to the effective non-exempt AB 32 GHG Compliance Cost Rate (\$ per therm) included in Preliminary Statement – Part B, multiplied by the customer's billed volumes (therms) for each billing period.

⁴ PG&E will update its billing system annually to reflect newly exempt or newly excluded customers to conform with lists of Directly Billed Customers provided annually by the ARB.

(Continued)



GAS SCHEDULE G-WSL Sheet 2
GAS TRANSPORTATION SERVICE TO WHOLESALE/RESALE CUSTOMERS

RATES:
(Cont'd.)

3. Cap-and-Trade Cost Exemption: \$0.04893 per therm (I)

The Cap-and-Trade Cost Exemption is applicable to customers who are identified by the California Air Resources Board (CARB) as being Covered Entities for their Greenhouse Gas (GHG) emissions as part of the Cap-and-Trade program. Applicable Cap-and-Trade Cost Exemptions may be provided from the date CARB identifies a customer as being a Covered Entity, or provided based upon documentation satisfactory to the Utility for the time period for which the customer was a Covered Entity, whichever is earlier.

See Preliminary Statement, Part B for the default tariff rate components applicable to this schedule.

Customers will be responsible for any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

The existing Wholesale Customers listed below will have a one-time option prior to April 1, 2020, to subscribe, on behalf of their core Customers, for firm capacity on the Redwood to on-system and Baja to on-system paths as specified below effective April 1, 2020. Capacity will be offered only for the core portion of the Customer's load. (T)

Customer	Redwood Annual (MDth)	Redwood Seasonal Nov-Jan (MDth)	Redwood Seasonal Nov-Mar (MDth)	Baja – Seasonal (MDth)	
Alpine	0.098	0.040	0.016	0.048	(R)
Coalinga	0.552	0.228	0.091	0.271	
Island Energy	0.064	0.026	0.011	0.032	
Palo Alto	5.898	2.437	0.975	2.906	
West Coast Gas (Castle)	0.051	0.021	0.008	0.025	
West Coast Gas (Mather)	0.171	0.071	0.028	0.084	

This Backbone capacity will be offered to the G-WSL Customers specified above at the rates specified for Core Procurement Groups in Schedule G-AFT and/or G-SFT for Baja Seasonal. G-WSL Customers must execute a Gas Transmission Service Agreement (GTSA) (Form No. 79-866) and associated exhibits in order to exercise a preferential right to this intrastate capacity. In addition, G-WSL Customers, at their option, may execute a GTSA and associated exhibits for additional Backbone transmission pipeline capacity that will not be offered at the rates specified for Core Procurement Groups in Schedule G-AFT and/or G-SFT for Baja Seasonal.

(Continued)



GAS SCHEDULE G-XF

Sheet 1

PIPELINE EXPANSION FIRM INTRASTATE TRANSPORTATION SERVICE

APPLICABILITY: This rate schedule* is available to any Customer who holds a Pipeline Expansion Firm Transportation Service Agreement (FTSA) (Form No. 79-791) approved by the CPUC. This schedule is closed to new Customers. This schedule may also be taken in conjunction with Schedule G-STOR, G-FS, G-NFS, G-NAS, G-PARK, or G-LEND.

TERRITORY: Schedule G-XF applies to pre-existing Pipeline Expansion firm transportation service.

RATES: The following charges apply to intrastate natural gas transportation service under this schedule. In addition, Customer will be responsible for any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from inter- or intrastate sources and any other applicable charges.

1. Reservation Charge:

The monthly Reservation Charge shall be the applicable reservation rate multiplied by the Customer's Maximum Daily Quantity (MDQ), as specified in the Customer's FTSA.

<u>Reservation Rates:</u>	<u>Per Dth Per Month</u>
---------------------------	--------------------------

SFV Rates:	\$5.4481 (I)
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Customer's obligation to pay the Reservation Charge each month is absolute and unconditional and is independent of Customer's ability to obtain export authorization from the National Energy Board of Canada, Canadian provincial removal authority, and/or import authorization from the United States Department of Energy. Customer's obligation to pay the Reservation Charge shall be unaffected by the quantity of gas transported by PG&E to Customer's Delivery Point(s) on the Pipeline Expansion.

* PG&E's gas tariffs are on-line at www.pge.com.

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Advice 4200-G
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

December 23, 2019
January 1, 2020



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Part A	Description of Service Area and General Requirements	31690,31691,31692,14618, 14619,14620,14621,14622,14623,31698-G
Part B	Default Tariff Rate Components	35495,35496,35497, 35498,35499,35500, 35501,35156,35157,35158,23229, 35576,35577,35578, 35579,35580,35581,35582,35583,35584, 33025,30640-G
Part C	Gas Accounting Terms and Definitions	33078, 35585,35586,35587, 34772, 32751,28881, 33079,28883,32753,33080,28885,23351,32755-G
Part D	Purchased Gas Account.....	31163,30641,30642,31164-G
Part F	Core Fixed Cost Account.....	31165,32756,33259,33601-G
Part J	Noncore Customer Class Charge Account.....	30594,32954,33602,33603-G
Part L	Balancing Charge Account.....	29768,29769-G
Part O	CPUC Reimbursement Fee.....	34927-G
Part P	Income Tax Component of Contributions Provision	32471,13501-G
Part Q	Affiliate Transfer Fees Account	23275-G
Part S	Interest	12773-G
Part T	Tax Reform Act of 1986.....	12775-G
Part U	Core Brokerage Fee Balancing Account	23276-G
Part V	California Alternate Rates For Energy Account	23358,28778-G
Part Y	Customer Energy Efficiency Adjustment	28301,28302,32039,28664-G

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

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