

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



December 30, 2020

Advice Letter 1154-G, AL 1154-G-A

Justin Lee Brown
Vice-President/Regulatory Affairs
Southwest Gas Corporation
PO Box 98510
Las Vegas, NV 89193-8510

SUBJECT: 2021 Annual Regulatory Balancing Account Update, and Transportation and Storage Adjustments.

Dear Mr. Brown:

Advice Letter 1154-G, AL 1154-G-A is effective as of January 1, 2021.

Sincerely,

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

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



SOUTHWEST GAS CORPORATION

November 30, 2020

Advice Letter No. 1154-G

(U 905 G)

Public Utilities Commission of the State of California

Subject: 2021 Annual Regulatory Balancing Account Update, and Transportation and Storage Adjustments

Southwest Gas Corporation (Southwest Gas or Company) hereby submits for approval to the California Public Utilities Commission (Commission) revisions to its California Gas Tariff. The tariff sheets being modified with this submission are listed on Attachment A.

Purpose

The purpose of this submission is to update the following: 1) balancing account surcharges related to the Fixed Cost Adjustment Mechanism (FCAM) and the Interstate Transportation Cost Adjustment Mechanism (ITCAM); 2) transportation and storage rates; 3) forecasts and actual Greenhouse Gas (GHG) compliance costs and allowance revenue proceeds in accordance with (D.) 15-10-032, as modified by D.18-03-017; 4) balancing account surcharges related to the Natural Gas Leak Abatement Program as authorized in Ordering Paragraph (OP) 6 in Resolution G-3538; 5) address the Mobilehome Park Conversion Balancing Account surcharges; and 6) Customer Data Modernization Initiative Balancing Accounting (CDMIBA) surcharges, as authorized in OP 7 in D.20-07-016.

Annual Regulatory Balancing Account and Transportation and Storage Rates Updates¹

1) FCAM, ITCAM and Transportation and Storage Rates

The calculation of Southwest Gas' 2021 FCAM and ITCAM balancing account surcharges and upstream transportation and storage rates are provided in Schedules I and II (Attachment B).

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¹ This Advice Letter includes the updated rates for Schedule No. GCP – Gas Procurement for Core Customers Gas, Transportation Franchise Fee Surcharge (TFF) Provision, and Transportation Distribution System (TDS) Shrinkage Charge in Advice Letter No. 1153, submitted November 30, 2020 for rates effective December 1, 2020.



2) GHG Costs, Allowance Proceeds and California Climate Credit

In D.15-10-032, the Commission resolved Phase 2 issues in Rulemaking (R.) 14-03-003,² and directed the respondent natural gas utilities, including Southwest Gas, to utilize the tables provided in Appendix A to D.15-10-032 to annually forecast their GHG compliance costs and allowance proceeds³ and also include a “...narrative summary describing activities completed in the current year, including any deviations from what was forecasted for the current year, and projecting activities in the forecast year...”.⁴ Additionally, Resolution G-3565,⁵ and subsequently D.20-03.027,⁶ ordered the gas utilities to modify Table C of the Appendix A tables to include a Line 9b titled “SB 1477 Compliance Costs” to record each gas utility’s gas of the Senate Bill 1477 funding for the Building Initiative for Low-Emissions Development (BUILD) Program and the Technology and Equipment for Clean heating (TECH) Initiative.⁷ Southwest Gas’ allocated portion of the funding is \$815,000 per year for four years beginning in 2020.⁸ Accordingly, and as set forth below, Southwest Gas has utilized the Tables A through E of Appendix A in D.15-10-032 (Attachment C) as modified by Resolution G-3565 and D.20-03-027. The Appendix A tables are provided in Attachment C.

Table A – Forecasted Revenue Requirement

Table A illustrates Southwest Gas’ calculation of the forecasted revenue requirement associated with its recorded GHG compliance costs as offset by the revenue requirement for the Company’s GHG compliance costs.

Southwest Gas considers certain information contained in Table A confidential, including Gross Throughput (Line 1), Throughput to Covered Entities (Line 2), and is providing this information to the Energy Division confidentially under separate cover pursuant to D.15-10-032 and D.16-08-024.

² R.14-03-003, “Order Instituting Rulemaking to Address Natural Gas Distribution Utility Cost and Revenue Issues Associated with Greenhouse Gas Emissions,” adopted by the Commission on March 12, 2014

³ OP 6 in D.15-10-032 directs the natural gas utilities to utilize the calculations, methodologies and procedures adopted in Appendix A to D.15-10-032 to implement the California Climate Credit and GHG compliance costs and include the Appendix A tables in their annual natural gas true-up advice letters that set transportation rates.

⁴ D.15-10-032, at pg. 19.

⁵ Resolution G-3565. *Directing investor-owned gas utilities that participate in California’s Cap-and-Trade Program to ensure the availability of first year funding necessary to implement Senate Bill (SB) No. 1477 (Stern, 2018) – Low emissions buildings and sources of heat energy*, OP 3 at pgs. 7-8..

⁶ D.23-03-027, *Decision Establishing Building Decarbonization Pilot Programs*, effective March 26, 2020, OP 3 at pgs. 106-107.

⁷ Additionally, Line 10 description in Table C was modified pursuant to Resolution G3565 and D.20-03-027 to state “Net GHG Proceeds Available for Customer (\$) (Line 8 + Line 9 + and Line 9b)”.

⁸ Resolution G-3565, OP 1 at pg. 7.



Table B – Recorded GHG Costs

Southwest Gas has included recorded costs in Table B utilizing the weighted average cost methodology. Because Table B contains confidential information, it is being provided to the Energy Division confidentially under separate cover pursuant to D.15-10-032 and D.16-08-024.

Table C – GHG Allowance Proceeds

Under the Cap-and-Trade Program, the California Air Resources Board (CARB) annually allocates GHG allowances to natural gas utilities for the benefit of their ratepayers, and CARB requires the utilities to consign a minimum percentage of the allowances for sale in CARB's allowance auctions, with consignment requirements beginning at 25 percent in 2015 and increasing 5 percent annually through 2030.⁹ In D.15-10-032 and D.18-03-017, the Commission found it appropriate to return allowance proceeds received from the sale of GHG allowances to residential customers only as the on-bill California Climate Credit annually each April. The California Climate Credit is calculated as the GHG allowance proceeds remaining after subtracting Southwest Gas' outreach and administrative expenses as well as its allocated portion of SB 1477 costs of \$815,000 from the total allowance proceeds and dividing the result by the number of residential households.¹⁰ Southwest Gas' administrative and outreach expenses are discussed below. Southwest Gas forecasts approximately \$5.5 million net GHG allowance proceeds available for return to customers in 2021. Southwest Gas' 2021 California Climate Credit is \$28.18.

Table D – Outreach and Administrative Expenses

Southwest Gas' initial Outreach and Education Plan (O&E Plan) was approved with a total forecasted cost of \$65,500¹¹ and included the following:

- Southwest Gas Website Update
- Email blast
- Bill Insert
- On-Bill messaging
- On-hold phone messaging
- Post Outreach Phone Survey

Southwest Gas implemented all of the outreach methods listed above in 2020, including the Post Outreach Phone Survey. Southwest Gas' O&E Plan included methods that were low cost and reasonable in scope given its smaller residential customer base. The survey

⁹ D.15-10-032, at pg. 5. *Also reference, CARB Final Regulation Order, Article 5: California Cap on Greenhouse Gas Emissions and Market-Based Compliance Mechanisms, §95893. Allocation of Natural Gas Suppliers for Protection of Natural Gas Ratepayers, at pg. 223.*

¹⁰ D.15-10-032, at pg. 37.

¹¹ Advice Letter No. 994, approved December 30, 2015.



was initially proposed and conducted as a follow-up assessment to assist in determining the effectiveness of Southwest Gas' O&E Plan. The survey found that although its residential customers have learned about the California Climate Credit through all of Southwest Gas' various outreach methods, the most effective methods continue to be bill inserts and email blasts. With the change in its customer bill format, Southwest Gas does not anticipate any printing costs for bill inserts in 2021 and has forecasted costs related only to email blasts (\$1,500) for 2021. All other O&E Plan costs were incurred and/or included for cost recovery during the first year (2018) and second year (2019) of the CA Climate Credit distribution.

Table E – Compliance Obligation Over Time

Southwest Gas has included its 2015 through 2019 verified emissions in Table E.

Compliance Instrument Procurement Limit

The Commission adopted a GHG compliance instrument procurement limit formula for the natural gas utilities in D.14-12-040. Pursuant to D.15-10-032, procurement limits shall be provided to the Energy Division confidentially. As such, Southwest Gas will provide its annual GHG procurement limit to the Energy Division under separate cover.

3) Natural Gas Leak Abatement Program Costs

Resolution G-3538 approved Southwest Gas' 2018 and 2019 Natural Gas Leak Abatement Program (2018-2019 Leak Abatement Program) forecasted costs and applicable rates for recovery through its balancing accounts surcharges as set forth in Advice Letter Nos. 1055-A and 1055-B.¹² Pursuant to OP 6 in Resolution G-3538:

The balance in the two-way balancing account shall be subject to refund or recovery from customers in the following year through the Annual Gas True up advice letter filing

Southwest Gas did not forecast any new costs related to its 2020 and 2021 Natural Gas Leak Abatement Program. Accordingly, through this Advice Letter Southwest Gas only seeks to true up the balances in its Natural Gas Leak Abatement Program Balancing Account (NGLAPBA) and the New Environmental Regulatory Balancing Account (NERBA) for its 2018-2019 Leak Abatement Program costs approved in Resolution G-3538. The proposed rates are set forth in Attachment D.

¹² In accordance with OP 5 in Resolution G-3538, Southwest Gas submitted Advice Letter No. 1085 requesting authorization to include its 2018 forecasted costs beginning January 1, 2019.



4) Mobilehome Park Conversion Program Balancing Account (MHPCBA)

Given that Southwest Gas MHPCBA requires that December 31 ending recorded balances be used to adjust rates for the “To the Meter” subaccount,¹³ Southwest Gas does not seek to adjust the MHPCBA surcharges in this submission and will do so in 2021. At the same time, Southwest Gas will also seek to incorporate into rates new costs related to additional mobilehome park conversions completed through the end of calendar year 2020.

5) Customer Data Modernization Initiative Balancing Account (CDMIBA)

Southwest Gas’ implemented the CDMIBA surcharges for each of the Company’s three rate jurisdictions – Southern California, Northern California and South Lake Tahoe – to recover Operations and Maintenance costs incurred through June 30, 2020, related to the Customer Data Modernization Initiative approved in D.20-07-016.¹⁴ This advice letter seeks to adjust the CDMIBA rates for additional costs incurred through September 30, 2020. The proposed rates are set forth in Attachment E.

Effective Date

Southwest Gas believes this Advice Letter is subject to Energy Division disposition and should be classified as Tier 2, effective after Energy Division Approval, pursuant to General Order (GO) 96-B. Southwest Gas respectfully requests this Advice Letter be approved December 30, 2020, which is thirty (30) calendar days after the date submitted, with rates effective January 1, 2021.

Protest

Anyone may protest this Advice Letter to the Commission. The protest must state the grounds upon which it is based with specificity. The protest must be sent no later than 20 days after the date of this Advice Letter submission and shall be sent by letter via U.S. Mail, facsimile, or electronically mailed. The address for mailing or delivering a protest to the Commission is:

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¹³ In Southwest Gas’ Test Year 2021 General Rate Case (Application 19-08-015), Southwest Gas requested to modify its balancing accounts for consistency, including the MHPCBA, to take the recorded balances ending September 30 when annually adjusting its various balancing account surcharges.

¹⁴ Advice Letter No. 1142, approved effective August 28, 2020.



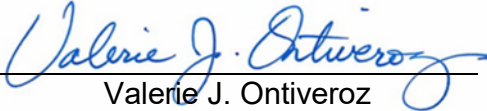
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Communications regarding this submission should be directed to:

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Respectfully submitted,

SOUTHWEST GAS CORPORATION

By: 
Valerie J. Ontiveroz

Attachments

Distribution List

Advice Letter No. 1154-G

In conformance with GO 96-B, General Rule 4.3

The following individuals or entities have been served by electronic mail:

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ATTACHMENT A
Advice Letter No. 1154-G

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
150th Revised Sheet No. 65	Statement of Rates - Rates Applicable to Southern California Service Area	148th Revised Sheet No. 65
151st Revised Sheet No. 66	Statement of Rates - Rates Applicable to Southern California Service Area	149th Revised Sheet No. 66
65th Revised Sheet No. 67	Statement of Rates - Rates Applicable to Southern California Service Area	64th Revised Sheet No. 67
147th Revised Sheet No. 68	Statement of Rates - Rates Applicable to Northern California Service Area	145th Revised Sheet No. 68
149th Revised Sheet No. 69	Statement of Rates - Rates Applicable to Northern California Service Area	147th Revised Sheet No. 69
79th Revised Sheet No. 70	Statement of Rates - Rates Applicable to Northern California Service Area	78th Revised Sheet No. 70
149th Revised Sheet No. 71	Statement of Rates - Rates Applicable to South Lake Tahoe Service Area	147th Revised Sheet No. 71
86th Revised Sheet No. 72	Statement of Rates - Rates Applicable to South Lake Tahoe Service Area	84th Revised Sheet No. 72
18th Revised Sheet No. 73	Statement of Rates - Rates Applicable to South Lake Tahoe Service Area	17th Revised Sheet No. 73

STATEMENT OF RATES
RATES APPLICABLE TO SOUTHERN CALIFORNIA SERVICE AREA [1]

Schedule No. and Type of Charge	Margin	Charges [2]		Subtotal Gas Usage Rate	Other Surcharges		Gas Cost	Effective Sales Rate	
		and Adjustments			CPUC	PPP			
GS-10-Residential Gas Service									
Basic Service Charge	\$5.00							\$5.00	
Cost per Therm									
Baseline Quantities	\$.76495	\$.14781	\$.91276	\$.00577	\$.15990	\$.36069	\$ 1.43912		R
Tier II	\$.93622	.14781	1.08403	.00577	.15990	.36069	1.61039		R
GS-11-Residential Air-Conditioning Gas Service									
Basic Service Charge	\$5.00							\$5.00	
Cost per Therm									
Tier I	\$.76495	\$.14781	\$.91276	\$.00577	\$.15990	\$.36069	\$ 1.43912		R
Tier II	.93622	.14781	1.08403	.00577	.15990	.36069	1.61039		R
Air-Conditioning	\$.38247	.14781	.53028	.00577	.15990	.36069	1.05664		R
GS-12-CARE Residential Gas Service									
Basic Service Charge	\$4.00							\$4.00	
Cost per Therm									
Baseline Quantities	\$.51026	\$.14781	\$.65807	\$.00577	\$.05606	\$.36069	\$ 1.08059		R
Tier II	.64728	.14781	.79509	.00577	.05606	.36069	\$ 1.21761		R
GS-15-Secondary Residential Gas Service									
Basic Service Charge	\$6.00							\$6.00	
Cost per Therm	\$1.16741	\$.14781	\$ 1.31522	\$.00577	\$.15990	\$.36069	\$ 1.84158		I
GS-20-Multi-Family Master-Metered Gas Service									
Basic Service Charge	\$25.00							\$25.00	
Cost per Therm									
Baseline Quantities	\$.76495	\$.14781	\$.91276	\$.00577	\$.15990	\$.36069	\$ 1.43912		R
Tier II	.93622	.14781	1.08403	.00577	.15990	.36069	1.61039		R
GS-25-Multi-Family Master-Metered Gas Service-Submetered									
Basic Service Charge	\$25.00							\$25.00	
Cost per Therm									
Baseline Quantities	\$.76495	\$.14781	\$.91276	\$.00577	\$.15990	\$.36069	\$ 1.43912		R
Tier II	.93622	.14781	1.08403	.00577	.15990	.36069	1.61039		R
Submetered Discount per Occupied Space	(\$7.69)						(\$7.69)		
GS-35-Agriculture Employee Housing & Nonprofit Group Living Facility Gas Service									
Basic Service Charge	\$8.80							\$8.80	
Cost per Therm									
First 100	\$.43539	\$.14781	\$.58320	\$.00577	\$.05606	\$.36069	\$ 1.00572		R
Next 500	.29418	.14781	.44199	.00577	.05606	.36069	.86451		R
Next 2,400	.18121	.14781	.32902	.00577	.05606	.36069	.75154		R
Over 3,000	.06233	.14781	.21014	.00577	.05606	.36069	.63266		R
GS-40-Core General Gas Service (non-Covered Entities)									
Basic Service Charge	\$11.00							\$11.00	
Transportation Service Charge	\$780.00							\$780.00	
Cost per Therm									
First 100	\$.67136	\$.14781	\$.81917	\$.00577	\$.15990	\$.36069	\$ 1.34553		R
Next 500	\$.49485	.14781	.64266	.00577	.15990	.36069	1.16902		R
Next 2,400	\$.35364	.14781	.50145	.00577	.15990	.36069	1.02781		R
Over 3,000	\$.20504	.14781	.35285	.00577	.15990	.36069	.87921		R

STATEMENT OF RATES
RATES APPLICABLE TO SOUTHERN CALIFORNIA SERVICE AREA [1]

Schedule No. and Type of Charge	Margin	Charges [2] and		Subtotal Gas Usage Rate	Other Surcharges		Gas Cost	Effective Sales Rate	
		Adjustments			CPUC	PPP			
GS-40-Core General Gas Service (Covered Entities)									
Basic Service Charge	\$11.00							\$11.00	
Transportation Service Charge	\$780.00							\$780.00	
Cost per Therm									
First 100	\$.67136	\$.08522		\$.75658	\$.00577	\$.15990	\$.36069	\$ 1.28294	R
Next 500	\$.49485	.08522		.58007	.00577	.15990	.36069	1.10643	R
Next 2,400	\$.35364	.08522		.43886	.00577	.15990	.36069	.96522	R
Over 3,000	\$.20504	.08522		.29026	.00577	.15990	.36069	.81662	R
GS-50-Core Natural Gas Service for Motor Vehicles									
Basic Service Charge	\$25.00							\$25.00	
Cost per Therm	\$.13201	\$.14781		\$.27982	\$.00577	\$.15990	\$.36069	\$.80618	R
GS-60-Core Internal Combustion Engine Gas Service									
Basic Service Charge	\$25.00							\$25.00	
Cost per Therm	\$.19735	\$.14781		\$.34516	\$.00577	\$.15990	\$.36069	\$.87152	R
GS-LUZ-Solar Electric Generation Gas Service									
Basic Service Charge	\$50.00							\$50.00	
Cost per Therm	\$.05648	(\$.04823)		\$.00825	\$.00577			\$.01402	R
GS-66-Core Small Electric Power Generation Gas Service									
Basic Service Charge	\$25.00							\$25.00	
Cost per Therm	\$.29024	\$.14781		\$.43805	\$.00577		\$.36069	\$.80451	R
GS-70-Noncore General Gas Transportation Service									
Basic Service Charge	\$100.00							\$100.00	
Transportation Service Charge	\$780.00							\$780.00	
Cost per Therm	\$.14462	\$.07932		\$.22394	\$.00577	\$.15990		\$.38961	R
GS-VIC City of Victorville Gas Service									
Basic Service Charge	\$11.00							\$ 11.00	
Transportation Service Charge	\$780.00							\$780.00	
Cost per Therm	\$.40232	\$.14781		\$.55013	\$.00577		\$.36069	\$.91659	R
TFF-Transportation Franchise Fee Surcharge Provision									
TFF Surcharge per Therm								\$.00427	
TDS – Transportation Distribution System Shrinkage Charge									
TDS Charge per Therm								\$.00274	
MHPS-Master-Metered Mobile Home Park Safety Inspection Provision									
MHPS Surcharge per Space per Month								\$.21000	

SOUTHWEST GAS CORPORATION

P.O. Box 98510

Las Vegas, Nevada 89193-8510

California Gas Tariff

Canceling

65th Revised Cal. P.U.C. Sheet No. 67

64th Revised Cal. P.U.C. Sheet No. 67

STATEMENT OF RATES
RATES APPLICABLE TO SOUTHERN CALIFORNIA DIVISION SCHEDULES [1]

[1] Customers taking only transportation service will pay the Effective Sales Rate less the Interstate Reservation and Gas Cost components of the Effective Sales Rate, plus a Transportation Service Charge of \$780 per month and an amount for distribution shrinkage calculated by multiplying the currently effective Gas Cost rate per therm by the Lost and Unaccounted For Gas percentage of 0.76%. The PGA Balancing Account Adjustment is applicable to customers converting from sales service to transportation service for a period of 12 months. The volume charge for customer-secured natural gas transportation will also be subject to the TFF Surcharge.

[2] The Charges and Adjustments applicable to each tariff rate schedule includes the following components:

Charges and Adjustments Description	GS-10, GS-11, GS-12, GS-15, GS-20, GS-25, GS-35,	GS-40 (non- Covered Entities), GS-50, GS-60, GS-66	GS-40, (Covered Entities)	GS-70	GS-VIC	GS-LUZ
Upstream Intrastate Charges						
Storage	\$.02621		\$.02621		\$.02621	
Variable	.06130		.06130	\$.06130	.06130	
Upstream Interstate Reservation Charges	.05299		.05299		.05299	
IRRAM Surcharge	.00000		.00000	.00000		
Balancing Account Adjustments						
FCAM*	(.06360)		(.06360)	(.05289)	(.06360)	\$(.05289)
ITCAM	(.01167)		(.01167)	(.01167)	(.01167)	
GHGBA**						
Non-Covered Entities [a]	.06334			.06334	.06334	
Covered Entities [a]			.00074			.00074
NERBA	(.00049)		(.00049)	(.00049)	(.00049)	
NGLAPBA	.00998		.00998	.00998	.00998	
MHPCBA	.00584		.00584	.00584	.00584	
CDMIBA	.00391		.00391	.00391	.00391	.00391
Total Charges and Adjustments	\$.14781		\$.08522	\$.07932	\$.14781	\$(.04823)

* The FCAM surcharge includes an amount of (\$.05289) per therm related to the difference between Southwest Gas' authorized margin and recorded revenues intended to recover these costs.

** Pursuant to D.15-10-032, Company costs incurred to comply with the California Air Resources Board (ARB) natural gas supplier Cap-and-Trade Program are to be included in transportation rates and recovered from Non-Covered Entities. Covered Entities, who are directly regulated by the ARB, are only responsible for paying for emission costs related to lost and unaccounted for gas (LUAF).

[a] Pursuant to D.18-03-017, Covered and non-Covered entities have a component to recover the 2015-2017 net compliance costs and proceeds amortized over a twelve month period. Also included are the 2018 GHG costs which are amortized over an eighteen month period.

Advice Letter No. 1154
Decision No. _____

Issued by
Justin Lee Brown
Senior Vice President

Date Filed November 30, 2020
Effective _____
Resolution No. _____

STATEMENT OF RATES
RATES APPLICABLE TO NORTHERN CALIFORNIA SERVICE AREA [1] [2]

Schedule No. and Type of Charge	Margin	Charges [3] and Adjustments		Subtotal Gas Usage Rate	Other Surcharges		Gas Cost	Effective Sales Rate
					CPUC	PPP		
GN-10-Residential Gas Service								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Baseline Quantities	\$.80448	\$.23236	\$ 1.03684	\$.00577	\$.06385	\$.27691	\$ 1.38337	I
Tier II	.91529	.23236	1.14765	.00577	.06385	.27691	1.49418	I
GN-12-CARE Residential Gas Service								
Basic Service Charge	\$ 4.00							\$ 4.00
Cost per Therm								
Baseline Quantities	\$.54173	\$.23236	\$.77409	\$.00577	\$.05606	\$.27691	\$ 1.11283	I
Tier II	.63038	.23236	.86274	.00577	.05606	.27691	1.20148	I
GN-15-Secondary Residential Gas Service								
Basic Service Charge	\$ 6.00							\$ 6.00
Cost per Therm	\$.96527	\$.23236	\$ 1.19763	\$.00577	\$.06385	\$.27691	\$ 1.54416	I
GN-20-Multi-Family Master-Metered Gas Service								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$.80448	\$.23236	\$ 1.03684	\$.00577	\$.06385	\$.27691	\$ 1.38337	I
Tier II	.91529	.23236	1.14765	.00577	.06385	.27691	1.49418	I
GN-25-Multi-Family Master-Metered Gas Service-Submetered								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$.80448	\$.23236	\$ 1.03684	\$.00577	\$.06385	\$.27691	\$ 1.38337	I
Tier II	.91529	.23236	1.14765	.00577	.06385	.27691	1.49418	I
Submetered Discount per Occupied Space	(\$11.01)							(\$11.01)
GN-35-Agriculture Employee Housing & Nonprofit Group Living Facility Gas Service								
Basic Service Charge	\$ 8.80							\$ 8.80
Cost per Therm								
First 100	\$.42534	\$.23236	\$.65770	\$.00577	\$.05606	\$.27691	\$.99644	I
Next 500	.31896	.23236	.55132	.00577	.05606	.27691	.89006	I
Next 2,400	.21540	.23236	.44776	.00577	.05606	.27691	.78650	I
Over 3,000	.06685	.23236	.29921	.00577	.05606	.27691	.63795	I
GN-40-Core General Gas Service (non-Covered Entities)								
Basic Service Charge	\$ 11.00							\$ 11.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm								
First 100	\$.65899	\$.23236	\$.89135	\$.00577	\$.06385	\$.27691	\$ 1.23788	I
Next 500	.52602	.23236	.75838	.00577	.06385	.27691	1.10491	I
Next 2,400	.39657	.23236	.62893	.00577	.06385	.27691	.97546	I
Over 3,000	.21088	.23236	.44324	.00577	.06385	.27691	.78977	I

STATEMENT OF RATES
RATES APPLICABLE TO NORTHERN CALIFORNIA SERVICE AREA [1] [2]

	Margin	Charges [3] and Adjustments	Subtotal Gas Usage Rate	Other Surcharges CPUC PPP		Gas Cost	Effective Sales Rate
GN-40-Core General Gas Service (Covered Entities)							
Basic Service Charge	\$ 11.00						\$ 11.00
Transportation Service Charge	\$780.00						\$780.00
Cost per Therm							
First 100	\$.65899	\$.16977	\$.82876	\$.00577	\$.06385	\$.27691	\$ 1.17529
Next 500	.52602	.16977	.69579	.00577	.06385	.27691	1.04232
Next 2,400	.39657	.16977	.56634	.00577	.06385	.27691	.91287
Over 3,000	.21088	.16977	.38065	.00577	.06385	.27691	.72718
GN-50-Core Natural Gas Service for Motor Vehicles							
Basic Service Charge	\$ 25.00						\$ 25.00
Cost per Therm	\$.11030	\$.23236	\$.34266	\$.00577	\$.06385	\$.27691	\$.68919
GN-60-Core Internal Combustion Engine Gas Service							
Basic Service Charge	\$ 25.00						\$ 25.00
Cost per Therm	\$.31220	\$.23236	\$.54456	\$.00577	\$.06385	\$.27691	\$.89109
GN-66-Core Small Electric Power Generation Gas Service							
Basic Service Charge	\$ 25.00						\$ 25.00
Cost per Therm	\$.29955	\$.23236	\$.53191	\$.00577		\$.27691	\$.81459
GN-70-Noncore General Gas Transportation Service							
Basic Service Charge	\$ 100.00						\$ 100.00
Transportation Service Charge	\$ 780.00						\$ 780.00
Cost per Therm	\$.18724	(\$.00872)	\$.17852	\$.00577	\$.06385		\$.24814
TFF-Transportation Franchise Fee Surcharge Provision							
TFF Surcharge per Therm							\$.00383
TDS – Transportation Distribution System Shrinkage Charge							
TDS Charge per Therm							\$.00155
MHPS-Master-Metered Mobile Home Park Safety Inspection Provision							
MHPS Surcharge per Space per Month							\$.21000

STATEMENT OF RATES

RATES APPLICABLE TO NORTHERN CALIFORNIA SERVICE AREA [1] [2]

[1] Customers taking only transportation service will pay the Effective Sales Rate less the Interstate Reservation and Gas Cost components of the Effective Sales Rate, plus a Transportation Service Charge of \$780 per month and an amount for distribution shrinkage calculated by multiplying the currently effective Gas Cost rate per therm by the Lost and Unaccounted For Gas percentage of 0.56%. The PGA Balancing Account Adjustment is applicable to customers converting from sales service to transportation service for a period of 12 months. The volume charge for customer-secured natural gas transportation will also be subject to the TFF Surcharge.

[2] A Franchise Fee differential of 2.5% will be applied to monthly billings calculated for all rate schedules for all customers within the limits of the Town of Truckee.

[3] The Charges and Adjustments applicable to each tariff rate schedule includes the following components:

Charges and Adjustments Description	GN-10, GN-12, GN-15, GN-20, GN-25, GN-35,	GN-40 (non-Covered Entities), GN-50, GN-60, GN-66	GN-40, (Covered Entities)	GN-70
Upstream Interstate Charges				
Storage	\$.03519		\$.03519	
Reservation	.19632		.19632	
IRRAM Surcharge	.00000		.00000	\$.00000
Balancing Account Adjustments				
FCAM*	(.07563)		(.07563)	(.08520)
GHGBA**				
Non-Covered Entities [a]	.06334			.06334
Covered Entities [a]			.00074	
NERBA	(.00038)		(.00038)	(.00038)
NGLAPBA	.01015		.01015	.01015
MHPCBA	.00065		.00065	.00065
CDMIBA	.00273		.00273	.00273
Total Charges and Adjustments	\$.23236		\$.16977	(\$.00872)

* The FCAM surcharge includes an amount of (\$.08520) per therm related to the difference between Southwest Gas' authorized margin and recorded revenues intended to recover these costs.

** Pursuant to D.15-10-032, Company costs incurred to comply with the California Air Resources Board (ARB) natural gas supplier Cap- and-Trade Program are to be included in transportation rates and recovered from Non-Covered Entities. Covered Entities, who are directly regulated by the ARB, are only responsible for paying for emission costs related to lost and unaccounted for gas (LUAF).

[a] Pursuant to D.18-03-017, Covered and non-Covered entities have a component to recover the 2015-2017 net compliance costs and proceeds amortized over a twelve month period. Also included are the 2018 GHG costs which are amortized over an eighteen month period.

STATEMENT OF RATES
RATES APPLICABLE TO SOUTH LAKE TAHOE SERVICE AREA [1]

Schedule No. and Type of Charge	Margin	Charges [2] and Adjustments		Subtotal Gas Usage Rate	Other Surcharges		Gas Cost	Effective Sales Rate
					CPUC	PPP		
SLT-10-Residential Gas Service								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Baseline Quantities	\$.35671	\$.34055	\$.69726	\$.00577	\$.06385	\$.27691		\$ 1.04379
Tier II	.44425	.34055	.78480	.00577	.06385	.27691		1.13133
SLT-12-CARE Residential Gas Service								
Basic Service Charge	\$ 4.00							\$ 4.00
Cost per Therm								
Baseline Quantities	\$.16188	\$.34055	\$.50243	\$.00577	\$.05606	\$.27691		\$.84117
Tier II	.23191	.34055	.57246	.00577	.05606	.27691		.91120
SLT-15-Secondary Residential Gas Service								
Basic Service Charge	\$ 6.00							\$ 6.00
Cost per Therm	\$.49248	\$.34055	\$.83303	\$.00577	\$.06385	\$.27691		\$ 1.17956
SLT-20-Multi-Family Master-Metered Gas Service								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm								
Baseline Quantities	\$.35671	\$.34055	\$.69726	\$.00577	\$.06385	\$.27691		\$ 1.04379
Tier II	.44425	.34055	.78480	.00577	.06385	.27691		1.13133
SLT-25-Multi-Family Master-Metered Gas Service-Submetered								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm								
Baseline Quantities	\$.35671	\$.34055	\$.69726	\$.00577	\$.06385	\$.27691		\$ 1.04379
Tier II	.44425	.34055	.78480	.00577	.06385	.27691		1.13133
Submetered Discount per Occupied Space	(\$7.69)							(\$ 7.69)
SLT-35-Agriculture Employee Housing & Nonprofit Group Living Facility Gas Service								
Basic Service Charge	\$ 8.80							\$ 8.80
Cost per Therm								
First 100	\$.25308	\$.34055	\$.59363	\$.00577	\$.05606	\$.27691		\$.93237
Next 500	.19659	.34055	.53714	.00577	.05606	.27691		.87588
Next 2,400	.14011	.34055	.48066	.00577	.05606	.27691		.81940
Over 3,000	.04513	.34055	.38568	.00577	.05606	.27691		.72442
SLT-40-Core General Gas Service (non-Covered Entities)								
Basic Service Charge	\$ 11.00							\$ 11.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm								
First 100	\$.47071	\$.34055	\$.81126	\$.00577	\$.06385	\$.27691		\$ 1.15779
Next 500	.40010	.34055	.74065	.00577	.06385	.27691		1.08718
Next 2,400	.32950	.34055	.67005	.00577	.06385	.27691		1.01658
Over 3,000	.21078	.34055	.55133	.00577	.06385	.27691		.89786

STATEMENT OF RATES
RATES APPLICABLE TO SOUTH LAKE TAHOE SERVICE AREA [1]

Schedule No. and Type of Charge	Margin	Charges [2] and Adjustments		Subtotal Gas Usage Rate	Other Surcharges		Gas Cost	Effective Sales Rate
					CPUC	PPP		
SLT-40-Core General Gas Service (Covered Entities)								
Basic Service Charge	\$11.00							\$11.00
Transportation Service Charge	\$780.00							\$780.00
Cost per Therm								
First 100	\$.47071	\$.27796	\$.74867	\$.00577	\$.06385	\$.27691		\$ 1.09520
Next 500	.40010	.27796	.67806	.00577	.06385	.27691		1.02459
Next 2,400	.32950	.27796	.60746	.00577	.06385	.27691		.95399
Over 3,000	.21078	.27796	.48874	.00577	.06385	.27691		.83527
SLT-50-Core Natural Gas Service for Motor Vehicles								
Basic Service Charge	\$11.00							\$11.00
Cost per Therm	\$.22708	\$.34055	\$.56763	\$.00577	\$.06385	\$.27691		\$.91416
SLT-60-Core Internal Combustion Engine Gas Service								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm	\$.25831	\$.34055	\$.59886	\$.00577	\$.06385	\$.27691		\$.94539
SLT-66-Core Small Electric Power Generation Gas Service								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm	\$.25831	\$.34055	\$.59886	\$.00577		\$.27691		\$.88154
SLT-70-Noncore General Gas Transportation Service								
Basic Service Charge	\$ 100.00							\$ 100.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm	\$.19040	\$.09947	\$.28987	\$.00577	\$.06385			\$.35949
TFF-Transportation Franchise Fee Surcharge Provision								
TFF Surcharge per Therm								\$.00383
TDS-Transportation Distribution System Shrinkage Charge								
TDS Charge per Therm								\$.00155
MHPS-Master-Metered Mobile Home Park Safety Inspection Provision								
MHPS Surcharge per Space per Month								\$.21000

STATEMENT OF RATES

RATES APPLICABLE TO SOUTH LAKE TAHOE SERVICE AREA [1]

[1] Customers taking only transportation service will pay the Effective Sales Rate less the Interstate Reservation and Gas Cost components of the Effective Sales Rate, plus a Transportation Service Charge of \$780 per month and an amount for distribution shrinkage calculated by multiplying the currently effective Gas Cost rate per therm by the Lost and Unaccounted For Gas percentage of 0.56%. The PGA Balancing Account Adjustment is applicable to customers converting from sales service to transportation service for a period of 12 months. The volume charge for customer-secured natural gas transportation service will also be subject to the TFF Surcharge.

[2] The Charges and Adjustments applicable to each tariff rate schedule includes the following components:

Charges and Adjustments Description	SLT-10, SLT-12, SLT-15, SLT-20, SLT-25, SLT-35,	SLT-40 (non- Covered Entities), SLT-50, SLT-60, SLT-66	SLT-40, (Covered Entities)	SLT-70
Upstream Interstate Charges				
Storage	\$.03519		\$.03519	
Reservation	.19632		.19632	
IRRAM Surcharge	.00000		.00000	\$.00000
Balancing Account Adjustments				
FCAM*	.03263		.03263	.02306
GHGBA**				
Non-Covered Entities [a]	.06334			.06334
Covered Entities [a]			.00074	
NERBA	(.00042)		(.00042)	(.00042)
NGLAPBA	.00987		.00987	.00987
MHPCBA	.00101		.00101	.00101
CDMIBA	.00261		.00261	.00261
Total Charges and Adjustments	\$.34055		\$.27796	\$.09947

* The FCAM surcharge includes an amount of \$.02306 per therm related to the difference between Southwest Gas' authorized margin and recorded revenues intended to recover these costs.

** Pursuant to D.15-10-032, Company costs incurred to comply with the California Air Resources Board (ARB) natural gas supplier Cap- and-Trade Program are to be included in transportation rates and recovered from Non-Covered Entities. Covered Entities, who are directly regulated by the ARB, are only responsible for paying for emission costs related to lost and unaccounted for gas (LUAF).

[a] Pursuant to D.18-03-017, Covered and non-Covered entities have a component to recover the 2015-2017 net compliance costs and proceeds amortized over a twelve month period. Also included are the 2018 GHG costs which are amortized over an eighteen month period.

**ADVICE LETTER NO. 1154
ATTACHMENT B**

FCAM, ITCAM and Transportation and Storage Rates

**SOUTHWEST GAS CORPORATION
SOUTHERN CALIFORNIA DIVISION
BALANCING ACCOUNT SURCHARGE RATES
TWELVE-MONTH FORECAST PERIOD ENDING DECEMBER 31, 2021**

Line No.	Description (a)	Amount (b)	Rate per Therm (c)	Line No.
1	Franchises & Uncollectibles Rate [1]	1.630%		1
	<u>Fixed Cost Adjustment Mechanism (FCAM)</u>			
2	Upstream Fixed Charges Balance [2]	\$ (935,598)		2
3	Total Core Volumes (Therms) [3]	88,788,974		3
4	Upstream Fixed Charges Included in Rates (Ln. 2/Ln.3)*(1+Ln.1)		<u>\$ (0.01071)</u>	4
5	Margin Balance [2]	\$ (4,945,931)		5
6	Total Throughput Less Special Contract Volumes (Therms) [4]	95,037,214		6
7	Margin Balance Amount Included in Rates (Ln. 5/Ln.6)*(1+Ln.1)		<u>\$ (0.05289)</u>	7
8	Total FCAM Surcharge Rate (Ln. 4 + Ln. 7)		<u>\$ (0.06360)</u>	8
	<u>Intrastate Transportation Account Mechanism (ITCAM)</u>			
9	Upstream Variable Charges [2]	\$(1,091,136)		9
10	Total Throughput Less Special Contract Volumes (Therms) [4]	95,037,214		10
11	ITCAM Surcharge Rate (Ln. 9/Ln. 10)*(1+Ln.1)		<u>\$(0.01167)</u>	11

[1] Authorized by Commission in D.14-06-028.

[2] Ending account balances at September 30, 2020.

[3] Core volumes for twelve-month forecast period ended December 31, 2021.

[4] Total throughput, excluding special contract volumes for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
NORTHERN CALIFORNIA DIVISION
BALANCING ACCOUNT SURCHARGE RATES
TWELVE-MONTH FORECAST PERIOD ENDING DECEMBER 31, 2021**

Line No.	Description (a)	Amount (b)	Rate per Therm (c)	Line No.
1	Franchises & Uncollectibles Rate [1]	1.459%		1
	<u>Fixed Cost Account Mechanism (FCAM)</u>			
2	Upstream Fixed Charges Balance [2]	\$ 453,989		2
3	Total Core Volumes (Therms) [3]	48,133,659		3
4	Upstream Fixed Charges Included in Rates (Ln. 2/Ln.3)*(1+Ln.1)		<u>\$ 0.00957</u>	4
5	Margin Balance [2]	\$ (2,288,810)		5
6	Total Throughput (Therms) [4]	27,256,165		6
7	Margin Balance Amount Included in Rates (Ln. 5/Ln.6)*(1+Ln.1)		<u>\$ (0.08520)</u>	7
8	Total FCAM Surcharge Rate (Ln. 4 + Ln. 7)		<u><u>\$ (0.07563)</u></u>	8

[1] Authorized by Commission in D.14-06-028.

[2] Ending account balances at September 30, 2020.

[3] Core volumes for Northern California & South Lake Tahoe Jurisdictions for twelve-month forecast period ended December 31, 2021.

[4] Northern California throughput for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
SOUTH LAKE TAHOE DIVISION
BALANCING ACCOUNT SURCHARGE RATES
TWELVE-MONTH FORECAST PERIOD ENDING DECEMBER 31, 2021**

Line No.	Description (a)	Amount (b)	Rate per Therm (c)	Line No.
1	Franchises & Uncollectibles Rate [1]	1.459%		1
	<u>Fixed Cost Adjustment Mechanism (FCAM)</u>			
2	Upstream Fixed Charges Balance [2]	\$ 453,989		2
3	Total Core Volumes (Therms) [3]	48,133,659		3
4	Upstream Fixed Charges Included in Rates (Ln. 2/Ln.3)*(1+Ln.1)		<u>\$ 0.00957</u>	4
5	Margin Balance [2]	\$ 506,444		5
6	Total Throughput (Therms) [4]	22,287,164		6
7	Margin Balance Amount Included in Rates (Ln. 5/Ln.6)*(1+Ln.1)		<u>\$ 0.02306</u>	7
8	Total FCAM Surcharge Rate (Ln. 4 + Ln. 7)		<u><u>\$ 0.03263</u></u>	8

[1] Authorized by Commission in D.14-06-028.

[2] Ending account balances at September 30, 2020.

[3] Core volumes for Northern California & South Lake Tahoe Jurisdictions for twelve-month forecast period ended December 31, 2021.

[4] South Lake Tahoe throughput for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
SOUTHERN CALIFORNIA
UPSTREAM PIPELINE CHARGES AND STORAGE COSTS
TWELVE-MONTH FORECAST PERIOD ENDING DECEMBER 31, 2021**

Line No.	Description (a)	Annual Amount (b)	Rate per Therm (c)	Line No.
1	Franchise & Uncollectible Rate [1]		1.62990%	1
<u>Upstream Interstate Reservation Charges</u>				
2	Kern River Transmission Company (Kern) (Dth/Day)	1,584,100		2
3	G-BTS2 Southern California Gas Company (SoCal) Backbone Transportation Service (Dth/Day)	2,626,631		3
4	GT-SWGX SoCal Pisgah Meter Station (Months)	330,060		4
5	Total Annual Reservation Cost	<u>\$ 4,540,791</u>		5
6	Total Core Sales Volumes (Therms) [2]	87,081,895		6
7	Reservation Rate (Ln.5/Ln.6)*(1+Ln.1)		<u>\$ 0.05299</u>	7
<u>Upstream Intrastate Storage Charges</u>				
8	G-TBS SoCal Transaction Based Storage Service - Inventory Storage Reservation Charge (Dth/Day)	2,289,770		8
9	Total Annual Storage Cost	<u>\$ 2,289,770</u>		9
10	Total Core Volumes (Therms) [3]	88,788,974		10
11	Storage Rate (Ln.9/Ln.10)*(1+Ln.1)		<u>\$ 0.02621</u>	11
<u>Upstream Intrastate Variable Charges</u>				
12	GT-TLS (GT-9CA) SoCal Intrastate Transportation Service (Therms)	2,080,247		12
13	GT-SWGX SoCal Exchange Wholesale Natural Gas Service (Therms)	3,140,846		13
14	Southern California Gas Transmission Charge G-BTS2 Variable Kern Transmission Service (Therms)	463,421		14
15	Total Annual Variable Cost	<u>\$ 5,732,266</u>		15
16	Total Throughput (Therms) [4]	95,037,214		16
17	Variable Rate (Ln.15/Ln.16)*(1+Ln.1)		<u>\$ 0.06130</u>	17

[1] Authorized by Commission in Order D.14-06-028.

[2] Core sales volumes for twelve-month forecast period ended December 31, 2021.

[3] Total core throughput for twelve-month forecast period ended December 31, 2021.

[4] Total throughput, excluding special contract volumes for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
NORTHERN CALIFORNIA RATE JURISDICTION AND SOUTH LAKE TAHOE RATE JURISDICTION
UPSTREAM PIPELINE AND STORAGE COSTS
TWELVE-MONTH FORECAST PERIOD ENDING DECEMBER 31, 2021**

Line No.	Description (a)	Annual Amount (b)	Rate per Therm (c)	Line No.
1	Franchise & Uncollectible Rate [1]		1.45890%	1
	<u>Upstream Interstate Reservation Charges</u>			
2	Northwest Pipeline	\$ 2,718,338		2
3	Paiute Pipeline FT-1 (F47, F50, F51)	5,048,121		3
4	Tuscarora Pipeline	1,236,410		4
5	Ruby Pipeline	299,370		5
6	Total Reservation Cost	<u>\$ 9,302,239</u>		6
7	Total Core Sales Volumes (Therms) [2]	48,074,399		7
8	Reservation Rate (Ln.8/Ln.2)*(1+Ln.1)		<u>\$ 0.19632</u>	8
	<u>Upstream Interstate Storage Charges</u>			
	Paiute Pipeline Company			
	LGS-1 Liquefied Gas Storage Service			
9	Storage Charge	\$ 1,113,410		9
10	Delivery Charge	556,133		10
11	Total Storage Cost	<u>\$ 1,669,544</u>		11
12	Total Core Throughput (Therms) [3]	48,133,659		12
13	Total Storage Rate (Ln.12/Ln.2)*(1+Ln.1)		<u>\$ 0.03519</u>	13

[1] Authorized by Commission in Order D.14-06-028.

[2] Northern California and South Lake Tahoe core sales volumes for twelve-month forecast period ended December 31, 2021.

[3] Northern California and South Lake Tahoe core volumes, including Core Aggregators, for twelve-month forecast period ended December 31, 2021.

**ADVICE LETTER NO. 1154
ATTACHMENT C**

GHG Costs, Allowance Proceeds and California Climate Credit
(D.15-10-032 Attachment A Tables A – E)

SOUTHWEST GAS CORPORATION (U 905 G)
Advice Letter No. 1154
D.15-10-032 - Appendix A
Table A: Forecast Revenue Requirement

Line	Description	2019		2020		2021	
		Forecast	Recorded	Forecast	Recorded	Forecast	Recorded
1	Gross Throughput (MMcf)						
2	Throughput to Covered Entities (MMcf)						
3	Net Throughput to End Users (MMcf) (Line 1 + Line 2)	14,071	15,439	14,595	14,399	14,399	14,399
4	Lost and Unaccounted for Gas (MMcf) ¹	99	111	104	100	100	100
5	Total Supplied Gas (MMcf) (Line 3 + Line 4)	14,170	15,550	14,698	14,499	14,499	14,499
6	Emissions Conversion Factor (MTCO ₂ e/MMcf)	54.64437	54.64437	54.64437	54.64437	54.64437	54.64437
7	Compliance Obligation for End Users and LUAF (MTCO ₂ e) (Line 5 * Line 6)	774,289	849,715	803,169	792,312	792,312	792,312
8	Compliance Obligation for Company Facilities (MTCO ₂ e)	0	0	0	0	0	0
9	Gross Compliance Obligation (MTCO₂e) (Line 7 + Line 8)	774,289	849,715	803,169	792,312	792,312	792,312
10	Directly Allocated Allowances	(670,714)	(670,714)	(656,821)	(656,821)	(630,579)	(630,579)
11	Percentage Consigned to Auction	45%	45%	50%	50%	55%	55%
12	Net GHG Proceeds Available for Customer Returns (\$) (Line 8 + Line 9 + Line 9b)	301,821	301,821	328,410	346,818	346,818	346,818
13	Net Compliance Obligation (MTCO₂e) (Line 9 + Line 10+ Line 12)	405,396	480,822	474,759	508,552	508,552	508,552
14	Proxy GHG Allowance Price ^{2,3,4}	\$ 15.66	\$ 16.82	\$ 18.04	\$ 18.14	\$ 18.14	\$ 18.14
15	Compliance Instrument Cost	\$ 6,348,501	\$ 8,087,425	\$ 8,564,650	\$ 9,225,134	\$ 9,225,134	\$ 9,225,134
16	Interest	\$	\$ 16,984	\$	\$	\$	\$
17	Franchise Fees & Uncollectibles ⁵	\$ 103,481	\$ 131,825	\$ 139,604	\$ 150,370	\$ 150,370	\$ 150,370
18	Revenue Requirement (Line 15 + Line 16 + Line 17)	\$ 6,451,981	\$ 8,236,234	\$ 8,704,253	\$ 9,375,504	\$ 9,375,504	\$ 9,375,504
19	Previous Year's Cost Balancing Subaccount Balance	\$	\$ (4,218,759)	\$	\$	\$	\$
20	Revenue Requirement to be Included in Rates (Line 18 + Line 19)	\$ 6,451,981	\$ 4,017,475	\$ 8,704,253	\$ 9,375,504	\$ 9,375,504	\$ 9,375,504
21	Covered Entity Rate Impact (\$/therm)	\$ 0.00063	\$	\$ 0.00073	\$ 0.00074	\$ 0.00074	\$ 0.00074
22	Non-Covered Entity Rate Impact (\$/therm)	\$ 0.04460	\$	\$ 0.05800	\$ 0.06334	\$ 0.06334	\$ 0.06334

Footnotes

- 1 Lost and unaccounted for gas percentages were authorized in Southwest Gas' last General Rate Case (GRC) Decision 14-06-028
- 2 The forecasted proxy price is the April 23, 2018, futures settlement price for vintage year 2018 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated April 23, 2018, Futures Daily Market Report for Physical Environmental, "CAX-California Carbon Allowance Future-Vintage 2019 - California Carbon Allowance Vintage 2019." This methodology is consistent with Southwest
- 3 The forecasted proxy price is the November 6, 2019, futures settlement price for vintage year 2020 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated November 6, 2019, Futures Daily Market Report for Physical Environmental, "CAY-California Carbon Allowance Future-Vintage 2020." This methodology is consistent with Southwest Gas' methodology for
- 4 The forecasted proxy price is the October 19, 2020, futures settlement price for vintage year 2021 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated October 19, 2020, Futures Daily Market Report for Physical Environmental, "CAZ-California Carbon Allowance Vintage 2021 Future." This methodology is consistent with Southwest Gas' methodology for forecasting gas supply
- 5 The F&U Rate was authorized in Southwest Gas' last General Rate Case (GRC) Decision 14-06-028

SOUTHWEST GAS CORPORATION (U 905 G)
Advice Letter No. 1154
D.15-10-032 - Appendix A
Table C: GHG Allowance Proceeds

Line	Description	2019		2020		2021	
		Forecast	Recorded	Forecast	Recorded	Forecast	Recorded
1	Proxy GHG Allowance Price (\$/MT) ^{1,2,3}	\$ 15.66	\$	18.04	\$	18.14	
2	Directly Allocated Allowances	670,714		656,821		630,579	
3		45%		50%		55%	
4	Consigned Allowances	301,821		328,410		346,818	
	Total Supplied Gas (MMcf) (Line 3 + Line 4)						
5	Allowance Proceeds	\$ (4,726,522)	\$ (8,427,500)	\$ (5,924,521)	\$	\$ (6,291,282)	
6	Previous Year's Revenue Balancing Subaccount Balance		\$ (427,641)				
7	Interest		\$ 16,984				
8	Subtotal Allowance Proceeds (\$) (Line 5 + Line 6 + Line 7)	\$ (4,726,522)	\$ (8,838,157)	\$ (5,924,521)	\$	\$ (6,291,282)	\$ -
9	Outreach and Admin Expenses (\$) (from Table D)	\$ 64,260	\$ 11,790	\$ 1,530	\$ -	\$ 1,530	\$ -
9b	SB 1477 Compliance Costs⁴		\$	\$ 815,000	\$ -	\$ 815,000	\$ -
10	Net GHG Proceeds Available for Customer Returns (\$) (Line 8 + Line 9 + Line 9b)	\$ (4,662,262)	\$ (8,826,366)	\$ (5,107,991)	\$ -	\$ (5,474,752)	\$ -
11	Number of Residential Households	187,558		192,481		194,298	
12	Per Household California Climate Credit (\$) (Line 10 / Line 11)	\$ 24.86	\$	\$ 26.54	\$	\$ 28.18	\$

Footnotes

- The forecasted proxy price is the April 23, 2018, futures settlement price for vintage year 2018 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated April 23, 2018, Futures Daily Market Report for Physical Environmental, "CAX-California Carbon Allowance Future-Vintage 2019 - California Carbon Allowance Vintage 2019." This methodology is consistent with Southwest Gas' methodology for forecasting gas
- The forecasted proxy price is the November 6, 2019, futures settlement price for vintage year 2020 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated November 6, 2019, Futures Daily Market Report for Physical Environmental, "CAY-California Carbon Allowance Future-Vintage 2020." This methodology is consistent with Southwest Gas' methodology for forecasting gas supply prices.
- The forecasted proxy price is the October 19, 2020, futures settlement price for vintage year 2021 allowances for delivery in December. The future settlements price was obtained from the Intercontinental Exchange dated October 19, 2020, Futures Daily Market Report for Physical Environmental, "CAZ-California Carbon Allowance Vintage 2021 Future." This methodology is consistent with Southwest Gas' methodology for forecasting gas supply prices.
- Per D.20-03-027 and Resolution G-3565, Southwest Gas is required to allocate \$815,000 of its annual GHG Proceeds to help fund the BUILD program and TECH initiative. Revised 2020 Forecast costs to include SB 1477 fundering AL 1126.

SOUTHWEST GAS CORPORATION (U 905 G)
Advice Letter No. 1154
D.15-10-032 - Appendix A

Table D: GHG Outreach and Administrative Expenses

Line	Description	2019		2020		2021	
		Forecast Recorded	Forecast Recorded	Forecast Recorded	Forecast Recorded	Forecast Recorded	Forecast Recorded
1	Outreach Expenses						
2	Detail of Outreach Activity (\$)						
3	Website Page						
4	Email Blasts	\$ 5,000	\$ 1,155	\$ 1,500		\$ 1,500	
5	Bill Insert	\$ 3,000	\$ 6,927				
6	On-Bill Message						
7	On-Hold Phone Message						
8	Post Phone Survey	\$ 55,000					
9	Subtotal Outreach (\$)	\$ 63,000	\$ 8,082	\$ 1,500	\$ -	\$ 1,500	\$ -
10	Administrative Expenses						
11	Detail of Administrative Activity (\$)						
12	Programming						
13	Testing						
14	Subtotal Administrative (\$)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Net GHG Proceeds Available for Customer Returns (\$) (L	\$ 63,000	\$ 8,082	\$ 1,500	\$ -	\$ 1,500	\$ -
16	Interest (\$)	\$ 1,260	\$ 180	\$ 30	\$ -	\$ 30	\$ -
17	Total (\$)	\$ 64,260	\$ 8,263	\$ 1,530	\$ -	\$ 1,530	\$ -

**SOUTHWEST GAS CORPORATION (U 905 G)
Advice Letter No. 1154
D.15-10-032 - Appendix A**

Table E: Compliance Obligation Over Time

	2015	2016 ¹	2017	2018	2019	2020
Natural Gas Fuel Supplier Compliance Obligation (MTCO ₂ e)	668,077	695,026	718,067	725,918	842,332	
Company Facility Compliance Obligation (MTCO ₂ e)	0	0	0	0	0	0

¹In Advice Letter No. 1072, Southwest Gas' Compliance Obligation was inadvertently noted as 695,462.

**ADVICE LETTER NO. 1154
ATTACHMENT D**

New Environmental Regulatory Balancing Account (NERBA) and
Natural Gas Leak Abatement Program Balancing Account (NGLAPBA)

SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NEW ENVIRONMENTAL REGULATORY BALANCING ACCOUNT (NERBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
SOUTHERN CALIFORNIA RATE JURISDICTION

Line No.	Description	Best Practice	Percent	2018 Forecasted Costs [1]	2019 Forecasted Costs	Total Rate Effective January 1, 2021	Line No.
	(a)	(b)	(c)	(d)	(e)	(d) + (e)	
1	"Find it/Fix it"	21		\$ 265,000	0	265,000	1
2	Minimize Emissions from Operations, Maintenance and Other Activities	23		31,000	31,000	62,000	2
3	Total Dollars			\$ 296,000	31,000	327,000	3
4	Pre-Tax Return			10.80%	10.80%	10.80%	4
5	Financing Cost			\$ 31,972	3,348	35,320	5
6	Depreciation		3.61%	\$ 10,686	1,119	11,805	6
7	Property Tax		1.20%	\$ 3,542	371	3,913	7
8	Revenue Requirement Before Franchise			\$ 46,199	4,838	51,038	8
9	Franchise Rate		1.15%	\$ 532	56	587	9
10	Revenue Requirement After Franchise			\$ 46,731	4,894	51,625	10
11	Applicable Volumes (therms) [2]					95,037,214	11
12	NERBA Base Rate (Line 10 / Line 11)					\$ 0.00054	12
13	NERBA Account Balance at September 30, 2020					\$ (97,645)	13
14	NERBA Amortization Rate (Line 13 / Line 11)					\$ (0.00103)	14
15	NERBA Rate Applicable to all Rate Schedules Except GS-LUZ					\$ (0.00049)	15

[1] Filed in Advice Letter No. 1085

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NATURAL GAS LEAK ABATEMENT PROGRAM BALANCING ACCOUNT (NGLAPBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
SOUTHERN CALIFORNIA RATE JURISDICTION

Line No.	Description (a)	Best Practice (b)	Percent (c)	2018 Forecasted Costs [1] (d)	2019 Forecasted Costs (e)	Total Rate Effective January 1, 2021 (d) + (e)	Line No.
1	Stationary Methane Detectors (Capital)	18		\$ 150,000	300,000	450,000	1
2	Stationary Methane Detectors (O&M)	18		363,590	487,366	850,956	2
3	Pipe Fitting Specifications (O&M)	22		13,216	0	13,216	3
4	Total O&M Dollars			\$ 376,806	487,366	864,172	4
5	Pre-Tax Return			10.80%	10.80%	10.80%	5
6	Financing Cost [2]			\$ 16,202	32,404	48,605	6
7	Depreciation [3]		2.86%	\$ 4,290	8,580	12,870	7
8	Property Tax [4]		1.20%	\$ 1,795	3,590	5,385	8
9	Revenue Requirement Before Franchise			\$ 399,093	531,939	931,032	9
10	Franchise Rate		1.15%	\$ 4,592	6,121	10,713	10
11	Revenue Requirement After Franchise			\$ 403,685	538,060	941,745	11
12	Applicable Volumes (therms) [5]					95,037,214	12
13	NGLAPBA Base Rate (Line 11 / Line 12)					\$ 0.00991	13
14	NGLAPBA Account Balance at September 30, 2020					\$ 6,557	14
15	NGLAPBA Amortization Rate (Line 14 / Line 12)					\$ 0.00007	15
16	NGLAPBA Rate Applicable to all Rate Schedules Except GS-LUZ					\$ 0.00998	16

[1] Filed in Advice Letter No. 1085

[2] Applicable only to Capital expenses. Financing cost is not applied to O & M expenses.

[3] Applicable only to Capital expenses. Depreciation is not applied to O & M expenses.

[4] Applicable only to Capital expenses. Property Tax is not applied to O & M expenses.

[5] Total throughput for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NEW ENVIRONMENTAL REGULATORY BALANCING ACCOUNT (NERBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
NORTHERN CALIFORNIA RATE JURISDICTION**

Line No.	Description (a)	Best Practice (b)	Percent (c)	2018 Forecasted Costs [1] (d)	2019 Forecasted Costs (e)	Total Rate Effective January 1, 2021 (d) + (e)	Line No.
1	Minimize Emissions from Operations, Maintenance and Other Activities	23		\$ 55,000	24,000	79,000	1
2	Total Dollars			<u>\$ 55,000</u>	<u>24,000</u>	<u>79,000</u>	2
3	Pre-Tax Return			<u>12.14%</u>	<u>12.14%</u>	<u>12.14%</u>	3
4	Financing Cost			\$ 6,677	2,914	9,590	4
5	Depreciation		3.82%	\$ 2,101	917	3,018	5
6	Property Tax		1.33%	\$ 731	319	1,050	6
7	Revenue Requirement Before Franchise			<u>\$ 9,509</u>	<u>4,149</u>	<u>13,658</u>	7
8	Franchise Rate		1.29%	<u>\$ 123</u>	<u>54</u>	<u>176</u>	8
9	Revenue Requirement After Franchise			<u><u>\$ 9,632</u></u>	<u><u>4,203</u></u>	<u><u>13,835</u></u>	9
10	Applicable Volumes (therms) [2]					27,256,165	10
11	NERBA Base Rate (Line 9 / Line 10)					<u>\$ 0.00051</u>	11
12	NERBA Account Balance at September 30, 2020					<u>\$ (24,166)</u>	12
13	NERBA Amortization Rate (Line 12 / Line 10)					<u>\$ (0.00089)</u>	13
14	NERBA Rate Applicable to all Rate Schedules					<u><u>\$ (0.00038)</u></u>	14

[1] Filed in Advice Letter No. 1085

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NATURAL GAS LEAK ABATEMENT PROGRAM BALANCING ACCOUNT (NGLAPBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
NORTHERN CALIFORNIA RATE JURISDICTION

Line No.	Description	Best Practice	Percent	2018 Forecasted Costs [1]	2019 Forecasted Costs	Total Rate Effective January 1, 2021	Line No.
	(a)	(b)	(c)	(d)	(e)	(d) + (e)	
1	Stationary Methane Detectors (Capital)	18		\$ 0	0	0	1
2	Stationary Methane Detectors (O&M)	18		\$ 109,709	147,057	256,767	2
3	Pipe Fitting Specifications (O&M)	22		3,988	0	3,988	3
4	Total O&M Dollars			\$ 113,697	147,057	260,754	4
5	Pre-Tax Return			12.14%	12.14%	12.14%	5
6	Financing Cost [2]			\$ 0	0	0	6
7	Depreciation [3]		2.41%	\$ 0	0	0	7
8	Property Tax [4]		1.33%	\$ 0	0	0	8
9	Revenue Requirement Before Franchise			\$ 113,697	147,057	260,754	9
10	Franchise Rate		1.29%	\$ 1,469	1,900	3,369	10
11	Revenue Requirement After Franchise			\$ 115,166	148,958	264,124	11
12	Applicable Volumes (therms) [5]					27,256,165	12
13	NGLAPBA Base Rate (Line 11 / Line 12)					\$ 0.00969	13
14	NGLAPBA Account Balance at September 30, 2020					\$ 12,603	14
15	NGLAPBA Amortization Rate (Line 14 / Line 12)					\$ 0.00046	15
16	NGLAPBA Rate Applicable to all Rate Schedules					\$ 0.01015	16

[1] Filed in Advice Letter No. 1085

[2] Applicable only to Capital expenses. Financing cost is not applied to O & M expenses.

[3] Applicable only to Capital expenses. Depreciation is not applied to O & M expenses.

[4] Applicable only to Capital expenses. Property Tax is not applied to O & M expenses.

[5] Total throughput for twelve-month forecast period ended December 31, 2021.

SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NEW ENVIRONMENTAL REGULATORY BALANCING ACCOUNT (NERBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
SOUTH LAKE TAHOE RATE JURISDICTION

Line No.	Description	Best Practice	Percent	2018 Forecasted Costs [1]	2019 Forecasted Costs	Total Rate Effective January 1, 2021	Line No.
	(a)	(b)	(c)	(d)	(e)	(d) + (e)	
1	Minimize Emissions from Operations, Maintenance and Other Activities	23		24,000	55,000	79,000	1
2	Total Dollars			\$ 24,000	55,000	79,000	2
3	Pre-Tax Return			12.14%	12.14%	12.14%	3
4	Financing Cost			\$ 2,914	6,677	9,590	4
5	Depreciation		3.82%	\$ 917	2,101	3,018	5
6	Property Tax		1.40%	\$ 337	771	1,108	6
7	Revenue Requirement Before Franchise			\$ 4,167	9,549	13,716	7
8	Franchise Rate		1.29%	\$ 54	123	177	8
9	Revenue Requirement After Franchise			\$ 4,221	9,673	13,893	9
10	Applicable Volumes (therms) [2]					22,287,164	10
11	NERBA Base Rate (Line 9 / Line 10)					\$ 0.00062	11
12	NERBA Account Balance at September 30, 2020					\$ (23,204)	12
13	NERBA Amortization Rate (Line 12 / Line 10)					\$ (0.00104)	13
14	NERBA Rate Applicable to all Rate Schedules					\$ (0.00042)	14

[1] Filed in Advice Letter No. 1085

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

SOUTHWEST GAS CORPORATION
NATURAL GAS LEAK ABATEMENT PROGRAM BEST PRACTICES IMPLEMENTATION
NATURAL GAS LEAK ABATEMENT PROGRAM BALANCING ACCOUNT (NGLAPBA)
2018 AND 2019 INCREMENTAL FORECASTED COSTS
REVENUE REQUIREMENT AND RATES
SOUTH LAKE TAHOE RATE JURISDICTION

Line No.	Description (a)	Best Practice (b)	Percent (c)	2018 Forecasted Costs [1] (d)	2019 Forecasted Costs (e)	Total Rate Effective January 1, 2021 (d) + (e)	Line No.
1	Stationary Methane Detectors (Capital)	18		\$ 0	0	0	1
2	Stationary Methane Detectors (O&M)	18		\$ 90,700	121,577	212,277	2
3	Pipe Fitting Specifications (O&M)	22		3,297	0	3,297	
4	Total O&M Dollars			\$ 93,997	121,577	215,574	4
5	Pre-Tax Return			12.14%	12.14%	12.14%	5
6	Financing Cost [2]			\$ 0	0	0	6
7	Depreciation [3]		2.41%	\$ 0	0	0	7
8	Property Tax [4]		1.40%	\$ 0	0	0	8
9	Revenue Requirement Before Franchise			\$ 93,997	121,577	215,574	9
10	Franchise Rate		1.29%	\$ 1,215	1,571	2,786	10
11	Revenue Requirement After Franchise			\$ 95,211	123,148	218,359	11
12	Applicable Volumes (therms) [5]					22,287,164	12
13	NGLAPBA Base Rate (Line 11 / Line 12)					\$ 0.00980	13
14	NGLAPBA Account Balance at September 30, 2020					\$ 1,471	14
15	NGLAPBA Amortization Rate (Line 14 / Line 12)					\$ 0.00007	15
16	NGLAPBA Rate Applicable to all Rate Schedules					\$ 0.00987	16

[1] Filed in Advice Letter No. 1085

[2] Applicable only to Capital expenses. Financing cost is not applied to O & M expenses.

[3] Applicable only to Capital expenses. Depreciation is not applied to O & M expenses.

[4] Applicable only to Capital expenses. Property Tax is not applied to O & M expenses.

[5] Total throughput for twelve-month forecast period ended December 31, 2021.

**ADVICE LETTER NO. 1154
ATTACHMENT E**

Customer Data Modernization Initiative Balancing Account (CDMIBA)

**SOUTHWEST GAS CORPORATION
CUSTOMER DATA MODERNIZATION INITIATIVE BALANCE ACCOUNT (CDMIBA)
SOUTHERN CALIFORNIA RATE JURISDICTION
EFFECTIVE JANUARY 1, 2021**

Line No.	Description (a)	Percent (b)	Amount (c)	Line No.
1	Revenue Requirement Before Franchise [1]		\$ 367,635	1
2	Franchise Rate	1.1507%	<u>4,230</u>	2
3	Revenue Requirement After Franchise		<u>\$ 371,865</u>	3
4	Applicable Volumes (therms) [2]		95,037,214	4
5	Rate Applicable to all Rate Schedules		<u>\$ 0.00391</u>	5

[1] CDMIBA account balance at September 30, 2020

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
CUSTOMER DATA MODERNIZATION INITIATIVE BALANCE ACCOUNT (CDMIBA)
NORTHERN CALIFORNIA RATE JURISDICTION
EFFECTIVE JANUARY 1, 2021**

Line No.	Description (a)	Percent (b)	Amount (c)	Line No.
1	Revenue Requirement Before Franchise [1]		\$ 73,402	1
2	Franchise Rate	1.2922%	<u>949</u>	2
3	Revenue Requirement After Franchise		<u>\$ 74,351</u>	3
4	Applicable Volumes (therms) [2]		27,256,165	4
5	Rate Applicable to all Rate Schedules		<u>\$ 0.00273</u>	5

[1] CDMIBA account balance at September 30, 2020

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

**SOUTHWEST GAS CORPORATION
CUSTOMER DATA MODERNIZATION INITIATIVE BALANCE ACCOUNT (CDMIBA)
SOUTH LAKE TAHOE RATE JURISDICTION
EFFECTIVE JANUARY 1, 2021**

Line No.	Description (a)	Percent (b)	Amount (c)	Line No.
1	Revenue Requirement Before Franchise [1]		\$ 57,491	1
2	Franchise Rate	1.2922%	<u>743</u>	2
3	Revenue Requirement After Franchise		<u>\$ 58,233</u>	3
4	Applicable Volumes (therms) [2]		22,287,164	4
5	Rate Applicable to all Rate Schedules		<u>\$ 0.00261</u>	5

[1] CDMIBA account balance at September 30, 2020

[2] Total throughput for twelve-month forecast period ended December 31, 2021.

**ADVICE LETTER NO. 1154
ATTACHMENT F**

Bill Impacts

Southern California

Residential Gas Rate and Bill Impacts of Rate Change Sought in AL 1154
AL Effective Date: 1/1/2021

	Present Rates			Proposed Rates in AL 1154			Changes			Decisions / Resolutions authorizing rate change
	Volumes Mth [2]	Average Rate \$/therm	12/1/2020 Revenues \$000's	Volumes Mth	Proposed Rate \$/therm	1/1/2021 Revenues \$000's	Revenue Change \$000's	Rate Change \$/therm	% Rate change %	
CARE Residential Customers										
Basic Service Charge	\$ 4.00		4.00	\$ 4.00		\$ 4.00				
Usage Rate [1]	49.88	0.66557	33.20	49.88	0.65807	32.82				[3]
PPP and CPUC	49.88	0.06183	3.08	49.88	0.06183	3.08				
Gas Cost	49.88	0.36069	17.99	49.88	0.36069	17.99				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 58.27			\$ 57.89	\$ (0.37)			
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>								\$ (0.00750)		
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									-0.01%	
Non-CARE Residential Customers										
Basic Service Charge	\$ 5.00		5.00	\$ 5.00		\$ 5.00				
Usage Rate [1]	49.88	0.92213	45.99	49.88	0.91276	45.52				[3]
PPP and CPUC	49.88	0.16567	8.26	49.88	0.16567	8.26				
Gas Cost	49.88	0.36069	17.99	49.88	0.36069	17.99				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 77.24			\$ 76.78	\$ (0.47)			
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>								\$ (0.00937)		
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									-0.01%	

Notes

[1] The usage rate includes baseline quantities, delivery and adjustment charges as of December 1, 2020.

[2] The average residential bill was calculated based on the average of winter season baseline quantities.

[3] Decisions/Resolutions authorizing rate changes are listed below:

FCAM, ITCAM, and upstream transportation and storage rates -

GHGBA - D.15-10-032, as modified by D.18-03-017

NERBA and NGLAPBA - Resolution G-3538

CDMIBA - D.20-07-016

Northern California

Residential Gas Rate and Bill Impacts of Rate Change Sought in AL 1154
AL Effective Date: 1/1/2021

	Present Rates			Proposed Rates in AL 1154			Changes			Decisions / Resolutions authorizing rate change
	Volumes Mth [2]	Average Rate \$/therm	12/1/2020 Revenues \$000's	Volumes Mth	Proposed Rate \$/therm	1/1/2021 Revenues \$000's	Revenue Change \$000's	Rate Change \$/therm	% Rate change %	
CARE Residential Customers										
Basic Service Charge	\$ 4.00		4.00	\$ 4.00		\$ 4.00				
Usage Rate [1]	79.95	0.69579	55.63	79.95	0.77409	61.89				[3]
PPP and CPUC	79.95	0.06183	4.94	79.95	0.06183	4.94				
Gas Cost	79.95	0.27691	22.14	79.95	0.27691	22.14				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 86.71			\$ 92.97	\$ 6.26			
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>								\$ 0.07830		
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									0.09%	
Non-CARE Residential Customers										
Basic Service Charge	\$ 5.00		5.00	\$ 5.00		\$ 5.00				
Usage Rate [1]	79.95	0.93896	75.07	79.95	1.03684	82.90				[3]
PPP and CPUC	79.95	0.06962	5.57	79.95	0.06962	5.57				
Gas Cost	79.95	0.27691	22.14	79.95	0.27691	22.14				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 107.77			\$ 115.60	\$ 7.83			
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>								\$ 0.09788		
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									0.09%	

Notes

[1] The usage rate includes baseline quantities, delivery and adjustment charges as of December 1, 2020.

[2] The average residential bill was calculated based on the average of winter season baseline quantities.

[3] Decisions/Resolutions authorizing rate changes are listed below:

FCAM, ITCAM, and upstream transportation and storage rates -

GHGBA - D.15-10-032, as modified by D.18-03-017

NERBA and NGLAPBA - Resolution G-3538

CDMIBA - D.20-07-016

Salt Lake Tahoe

Residential Gas Rate and Bill Impacts of Rate Change Sought in AL 1154
AL Effective Date: 1/1/2021

	Present Rates			Proposed Rates in AL 1154			Changes			Decisions / Resolutions authorizing rate change
	Volumes Mth [2]	Average Rate \$/therm	12/1/2020 Revenues \$000's	Volumes Mth	Proposed Rate \$/therm	1/1/2021 Revenues \$000's	Revenue Change \$000's	Rate Change \$/therm	% Rate change %	
CARE Residential Customers										
Basic Service Charge	\$ 4.00		4.00	\$ 4.00		\$ 4.00				
Usage Rate [1]	84.90	0.41511	35.24	84.90	0.50243	42.66				[3]
PPP and CPUC	84.90	0.06183	5.25	84.90	0.06183	5.25				
Gas Cost	84.90	0.27691	23.51	84.90	0.27691	23.51				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 68.00			\$ 75.42	\$ 7.41			(D.) 20-07-016
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>							\$ 0.08732			
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									0.13%	
Non-CARE Residential Customers										
Basic Service Charge	\$ 5.00		5.00	\$ 5.00		\$ 5.00				
Usage Rate [1]	84.90	0.58812	49.93	84.90	0.69726	59.20				[3]
PPP and CPUC	84.90	0.06962	5.91	84.90	0.06962	5.91				
Gas Cost	84.90	0.27691	23.51	84.90	0.27691	23.51				
<i>Average Monthly Residential Gas Bill \$ ①</i>			\$ 84.35			\$ 93.62	\$ 9.27			
<i>Average Monthly Residential Bill Increase or Decrease (\$)</i>							\$ 0.10914			
<i>Average Monthly Residential Bill Increase or Decrease (%)</i>									0.13%	

Notes

[1] The usage rate includes baseline quantities, delivery and adjustment

[2] The average residential bill was calculated based on the average of

[3] Decisions/Resolutions authorizing rate changes are listed below:

FCAM, ITCAM, and upstream transportation and storage rates -

GHGBA - D.15-10-032, as modified by D.18-03-017

NERBA and NGLAPBA - Resolution G-3538

CDMIBA - D.20-07-016



ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.:

Utility type:

ELC GAS WATER
 PLC HEAT

Contact Person:

Phone #:
E-mail:
E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

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:

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

Confidential treatment requested? Yes No

If yes, specification of confidential information:

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

Resolution required? Yes No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

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:

Service affected and changes proposed¹:

Pending advice letters that revise the same tariff sheets:

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:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Name:
Title:
Utility Name:
Address:
City: State:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

ENERGY Advice Letter Keywords

Affiliate	Direct Access	Preliminary Statement
Agreements	Disconnect Service	Procurement
Agriculture	ECAC / Energy Cost Adjustment	Qualifying Facility
Avoided Cost	EOR / Enhanced Oil Recovery	Rebates
Balancing Account	Energy Charge	Refunds
Baseline	Energy Efficiency	Reliability
Bilingual	Establish Service	Re-MAT/Bio-MAT
Billings	Expand Service Area	Revenue Allocation
Bioenergy	Forms	Rule 21
Brokerage Fees	Franchise Fee / User Tax	Rules
CARE	G.O. 131-D	Section 851
CPUC Reimbursement Fee	GRC / General Rate Case	Self Generation
Capacity	Hazardous Waste	Service Area Map
Cogeneration	Increase Rates	Service Outage
Compliance	Interruptible Service	Solar
Conditions of Service	Interutility Transportation	Standby Service
Connection	LIEE / Low-Income Energy Efficiency	Storage
Conservation	LIRA / Low-Income Ratepayer Assistance	Street Lights
Consolidate Tariffs	Late Payment Charge	Surcharges
Contracts	Line Extensions	Tariffs
Core	Memorandum Account	Taxes
Credit	Metered Energy Efficiency	Text Changes
Curtable Service	Metering	Transformer
Customer Charge	Mobile Home Parks	Transition Cost
Customer Owned Generation	Name Change	Transmission Lines
Decrease Rates	Non-Core	Transportation Electrification
Demand Charge	Non-firm Service Contracts	Transportation Rates
Demand Side Fund	Nuclear	Undergrounding
Demand Side Management	Oil Pipelines	Voltage Discount
Demand Side Response	PBR / Performance Based Ratemaking	Wind Power
Deposits	Portfolio	Withdrawal of Service
Depreciation	Power Lines	