

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



December 28, 2016

**Advice Letter 1022**

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

**Subject: To Update Procurement Charges Applicable to Schedule No. GCP  
for Core Customers and the TFF and TDS Surcharges Applicable  
to Core and Non-Core Customers in SWGC's California Service  
Areas**

Dear Mr. Brown:

Advice Letter 1022 is effective as of November 1, 2016.

Sincerely,

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

Edward Randolph  
Director, Energy Division



## SOUTHWEST GAS CORPORATION

November 1, 2016

ATTN: Tariff Unit, Energy Division  
California Public Utilities Commission  
505 Van Ness Avenue, 4<sup>th</sup> Floor  
San Francisco, CA 94102

Subject: Southwest Gas Corporation (U 905 G)  
Advice Letter No. 1022

Enclosed herewith is one (1) copy of Southwest Gas Corporation's Advice Letter No. 1022, together with California Gas Tariff Sheet Nos. 65, 66, 68-71 and 123.

Sincerely,

Valerie J. Ontiveroz  
Regulatory Manager/California

VJO:dm  
Enclosures



# SOUTHWEST GAS CORPORATION

Advice Letter No. 1022

November 1, 2016

## PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Southwest Gas Corporation (Southwest Gas) (U 905 G) tenders herewith for filing the following tariff sheets:

Cal. P.U.C. Sheet No.	California Gas Tariff Title of Sheet	Canceling Cal. P.U.C. Sheet No.
79th Revised Sheet No. 65	Statement of Rates - Rates Applicable to Southern California Service Area	78th Revised Sheet No. 65
80th Revised Sheet No. 66	Statement of Rates - Rates Applicable to Southern California Service Area	79th Revised Sheet No. 66
78th Revised Sheet No. 68	Statement of Rates - Rates Applicable to Northern California Service Area	77th Revised Sheet No. 68
80th Revised Sheet No. 69	Statement of Rates - Rates Applicable to Northern California Service Area	78th Revised Sheet No. 69
45th Revised Sheet No. 70	Statement of Rates - Rates Applicable to South Lake Tahoe Service Area	44th Revised Sheet No. 70
80th Revised Sheet No. 71	Statement of Rates - Rates Applicable to South Lake Tahoe Service Area	78th Revised Sheet No. 71
67th Revised Sheet No. 123	Schedule No. GCP – Gas Procurement For Core Customers	66th Revised Sheet No. 123

### Purpose

The purpose of this routine monthly filing is to revise the above listed tariff sheets by updating: (1) procurement charges applicable to Schedule No. GCP, Gas Procurement for Core Customers, in compliance with the California Public Utilities Commission’s (Commission) letter dated October 20, 2000, approving Southwest Gas’ Advice Letter No. 619; (2) the Transportation Franchise Fee (TFF) Surcharge applicable to core and noncore customers who secure their own sources of supply, pursuant to Public Utilities Code, Sections 6350 to 6354, *et seq*; and (3) the Transportation Distribution Shrinkage (TDS) Charge, in accordance with Decision No. (D.)14-06-028.



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**Purpose** *(Continued)*

For core sales customers, the November 2016 cost of gas, including adjustment for franchises and uncollectibles, is \$0.32428 per therm for Southwest Gas' Southern California Service Area and \$0.31805 per therm for Southwest Gas' Northern California and South Lake Tahoe Service Areas.

The TFF Surcharge rate is \$0.00364 per therm for Southwest Gas' Southern California Service Area and \$0.00413 per therm for Southwest Gas' Northern California and South Lake Tahoe Service Areas.

The TDS Charge is \$0.00246 per therm for Southwest Gas' Southern California Service Area and \$0.00178 for Southwest Gas' Northern California and South Lake Tahoe Service Areas.

**Effective Date**

Advice Letter No. 626 authorized Southwest Gas to make its monthly gas cost adjustment effective between the first and seventh calendar day of each month. Therefore, Southwest Gas requests the gas cost adjustments be effective November 1, 2016. This Advice Letter is subject to Energy Division disposition and should be classified as Tier 1 (effective pending disposition) pursuant to General Order (GO) 96-B.

**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 filing 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:

ATTN: Tariff Unit  
Energy Division  
California Public Utilities Commission  
505 Van Ness Avenue, 4<sup>th</sup> Floor  
San Francisco, CA 94102  
E-mail: [edtariffunit@cpuc.ca.gov](mailto:edtariffunit@cpuc.ca.gov)  
Facsimile: 415-703-2200



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**Protest** (Continued)

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004, at the same address as above and mailed or faxed to:

Mr. Justin Lee Brown  
Vice President/Regulation & Public Affairs  
Southwest Gas Corporation  
P.O. Box 98510  
Las Vegas, NV 89193-8510  
Facsimile: 702-364-3452

**Notice**

Pursuant to Energy Industry Rule 3.1(2), Southwest Gas is exempt from the notice requirements set forth in General Rule 4.2 in GO 96-B since this Advice Letter is filed in accordance with previously authorized procedures as noted herein.

**Service**

In accordance with GO 96-B, General Rule 7.2, Southwest Gas is mailing copies of this Advice Letter and related tariff sheets to the utilities and interested parties shown on the attached list.

Communications regarding this filing should be directed to:

Valerie J. Ontiveroz  
Regulatory Manager/California  
Southwest Gas Corporation  
P.O. Box 98510  
Las Vegas, NV 89193-8510  
Telephone: 702-876-7323  
E-mail: valerie.ontiveroz@swgas.com

Respectfully submitted,

SOUTHWEST GAS CORPORATION

By: 

Justin Lee Brown

Attachments

**Distribution List**

Advice Letter No. 1022

In conformance with GO 96-B, General Rule 4.3

The following individual has been served by regular, first-class mail:

Elizabeth Echols, Director  
Office of Ratepayer Advocates  
California Public Utilities Commission  
505 Van Ness Avenue, 4th Floor  
San Francisco, CA 94105

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

Pacific Gas & Electric Company  
[PGETariffs@pge.com](mailto:PGETariffs@pge.com)

Southern California Gas Company  
[SNewsom@semprautilities.com](mailto:SNewsom@semprautilities.com)

San Diego Gas & Electric Company  
[SDG&ETariffs@SempraUtilities.com](mailto:SDG&ETariffs@SempraUtilities.com)

Robert M. Pocta  
Office of Ratepayer Advocates  
California Public Utilities Commission  
[rmp@cpuc.ca.gov](mailto:rmp@cpuc.ca.gov)

Nathaniel Skinner  
Office of Ratepayer Advocates  
California Public Utilities Commission  
[nws@cpuc.ca.gov](mailto:nws@cpuc.ca.gov)

Pearlie Sabino  
Office of Ratepayer Advocates  
California Public Utilities Commission  
[pzs@cpuc.ca.gov](mailto:pzs@cpuc.ca.gov)

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY ENERGY UTILITY

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

Company name/CPUC Utility No. **Southwest Gas Corporation (U 905 G)**

Utility type:

ELC       GAS  
 PLC      HEAT    WATER

Contact Person: **Valerie J. Ontiveroz**

Phone #: **(702) 876-7323**

E-mail: **valerie.ontiveroz@swgas.com**

### EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **1022**

Subject of AL: **To update procurement charges applicable to Schedule No. GCP for core customers and the Transportation Franchise Fee (TFF) and Transportation Distribution Shrinkage (TDS) Surcharges applicable to core and noncore customers in Southwest Gas' California service areas**

Keywords (choose from CPUC listing): **Increased rates in Southern California (SCA), Northern California (NCA) and South Lake Tahoe (SLT)**

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other

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

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL **Not applicable**

Summarize differences between the AL and the prior withdrawn or rejected AL<sup>1</sup>: **Not applicable**

Resolution Required?  Yes  No

Requested effective date: **November 1, 2016**                      No. of tariff sheets: **7**

Estimated system annual revenue effect (%): **1.60% SCA, 2.57% NCA, and 3.46% SLT**

Estimated system average rate effect (%): **1.60% SCA, 2.57% NCA, and 3.46% SLT**

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: **Schedule No. GCP – Gas Procurement for Core Customers**

Service affected and changes proposed<sup>1</sup>: **See 'Subject of AL' above**

Pending advice letters that revise the same tariff sheets: **Not applicable**

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

**CPUC, Energy Division  
Attention: Tariff Unit  
505 Van Ness Ave.  
San Francisco, CA 94102  
E-mail: edtariffunit@cpuc.ca.gov**

**Mr. Justin Lee Brown,  
Vice-President/Regulation & Public Affairs  
Southwest Gas Corporation  
P. O. Box 98510  
Las Vegas, NV 89193-8510  
E-mail: justin.brown@swgas.com  
Facsimile: 702-364-3452**

<sup>1</sup> Discuss in AL if more space is needed.

**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		
<b>GS-10-Residential Gas Service</b>								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Baseline Quantities	\$ .66835	\$ .29643	\$ .96478	\$ .00093	\$ .15841	\$ .32428	\$ 1.44840	
Tier II	\$ .83962	.29643	1.13605	.00093	.15841	.32428	1.61967	
<b>GS-11-Residential Air-Conditioning Gas Service</b>								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Tier I	\$ .66835	\$ .29643	\$ .96478	\$ .00093	\$ .15841	\$ .32428	\$ 1.44840	
Tier II	.83962	.29643	1.13605	.00093	.15841	.32428	1.61967	
Air-Conditioning	\$ .33417	.29643	.63060	.00093	.15841	.32428	1.11422	
<b>GS-12-CARE Residential Gas Service</b>								
Basic Service Charge	\$ 4.00							\$ 4.00
Cost per Therm								
Baseline Quantities	\$ .41054	\$ .29643	\$ .70697	\$ .00093	\$ .03984	\$ .32428	\$ 1.07202	
Tier II	.54755	.29643	.84398	.00093	.03984	.32428	\$ 1.20903	
<b>GS-15-Secondary Residential Gas Service</b>								
Basic Service Charge	\$ 6.00							\$ 6.00
Cost per Therm	\$ 1.02862	\$ .29643	\$ 1.32505	\$ .00093	\$ .15841	\$ .32428	\$ 1.80867	
<b>GS-20-Multi-Family Master-Metered Gas Service</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$ .66835	\$ .29643	\$ .96478	\$ .00093	\$ .15841	\$ .32428	\$ 1.44840	
Tier II	.83962	.29643	1.13605	.00093	.15841	.32428	1.61967	
<b>GS-25 -Multi-Family Master-Metered Gas Service-Submetered</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$ .66835	\$ .29643	\$ .96478	\$ .00093	\$ .15841	\$ .32428	\$ 1.44840	
Tier II	.83962	.29643	1.13605	.00093	.15841	.32428	1.61967	
Submetered Discount per Occupied Space	(\$7.69)						(\$7.69)	
<b>GS-35-Agriculture Employee Housing &amp; Nonprofit Group Living Facility Gas Service</b>								
Basic Service Charge	\$ 8.80							\$ 8.80
Cost per Therm								
First 100	\$ .35771	\$ .29643	.65414	\$ .00093	\$ .03984	\$ .32428	\$ 1.01919	
Next 500	.23103	.29643	.52746	.00093	.03984	.32428	.89251	
Next 2,400	.12967	.29643	.42610	.00093	.03984	.32428	.79115	
Over 3,000	.00382	.29643	.30025	.00093	.03984	.32428	.66530	
<b>GS-40-Core General Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm								
First 100	\$ .60232	\$ .29643	\$ .89875	\$ .00093	\$ .15841	\$ .32428	\$ 1.38237	
Next 500	\$ .44396	.29643	.74039	.00093	.15841	.32428	1.22401	
Next 2,400	\$ .31727	.29643	.61370	.00093	.15841	.32428	1.09732	
Over 3,000	\$ .15995	.29643	.45638	.00093	.15841	.32428	.94000	



**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		
<b>GS-50-Core Natural Gas Service for Motor Vehicles</b>								
Basic Service Charge	\$25.00							\$25.00
Cost per Therm	\$ .11822	\$ .29643	\$ .41465	\$ .00093	\$ .15841	\$ .32428		\$ .89827
<b>GS-60-Core Internal Combustion Engine Gas Service</b>								
Basic Service Charge	\$25.00							\$25.00
Cost per Therm	\$ .17563	\$ .29643	\$ .47206	\$ .00093	\$ .15841	\$ .32428		\$ .95568
<b>GS-LUZ-Solar Electric Generation Gas Service</b>								
Basic Service Charge	\$50.00							\$50.00
Cost per Therm	\$ .05064	\$ .17135	\$ .22199	\$ .00093				\$ .22292
<b>GS-66-Core Small Electric Power Generation Gas Service</b>								
Basic Service Charge	\$25.00							\$25.00
Cost per Therm	\$ .25015	\$ .29643	\$ .54658	\$ .00093		\$ .32428		\$ .87179
<b>GS-70-Noncore General Gas Transportation Service</b>								
Basic Service Charge	\$100.00							\$100.00
Transportation Service Charge	\$780.00							\$780.00
Cost per Therm	\$ .12834	\$ .19681	\$ .32515	\$ .00093	\$ .15841			\$ .48449
<b>GS-VIC City of Victorville Gas Service</b>								
Basic Service Charge	\$11.00							\$ 11.00
Transportation Service Charge	\$780.00							\$780.00
Cost per Therm	\$ .35956	\$ .29636	\$ .65592	\$ .00093		\$ .32428		\$ .98113
<b>TFF-Transportation Franchise Fee Surcharge Provision</b>								
TFF Surcharge per Therm								\$ .00364
<b>TDS - Transportation Distribution System Shrinkage Charge</b>								
TDS Charge per Therm								\$ .00246
<b>MHPS-Master-Metered Mobile Home Park Safety Inspection Provision</b>								
MHPS Surcharge per Space per Month								\$ .21000

**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		
<b>GN-10-Residential Gas Service</b>								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Baseline Quantities	\$ .71036	\$ .43006	\$ 1.14042	\$ .00093	\$ .05362	\$ .31805	\$ 1.51302	
Tier II	.82117	.43006	1.25123	.00093	.05362	.31805	1.62383	
<b>GN-12-CARE Residential Gas Service</b>								
Basic Service Charge	\$ 4.00							\$ 4.00
Cost per Therm								
Baseline Quantities	\$ .41867	\$ .43006	\$ .84873	\$ .00093	\$ .03984	\$ .31805	\$ 1.20755	
Tier II	.50731	.43006	.93737	.00093	.03984	.31805	1.29619	
<b>GN-15-Secondary Residential Gas Service</b>								
Basic Service Charge	\$ 6.00							\$ 6.00
Cost per Therm	\$ .85533	\$ .43006	\$ 1.28539	\$ .00093	\$ .05362	\$ .31805	\$ 1.65799	
<b>GN-20-Multi-Family Master-Metered Gas Service</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$ .71036	\$ .43006	\$ 1.14042	\$ .00093	\$ .05362	\$ .31805	\$ 1.51302	
Tier II	.82117	.43006	1.25123	.00093	.05362	.31805	1.62383	
<b>GN-25-Multi-Family Master-Metered Gas Service-Submetered</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm								
Baseline Quantities	\$ .71036	\$ .43006	\$ 1.14042	\$ .00093	\$ .05362	\$ .31805	\$ 1.51302	
Tier II	.82117	.43006	1.25123	.00093	.05362	.31805	1.62383	
Submetered Discount per Occupied Space	(\$11.01)							(\$11.01)
<b>GN-35-Agriculture Employee Housing &amp; Nonprofit Group Living Facility Gas Service</b>								
Basic Service Charge	\$ 8.80							\$ 8.80
Cost per Therm								
First 100	\$ .32335	\$ .43006	\$ .75341	\$ .00093	\$ .03984	\$ .31805	\$ 1.11223	
Next 500	.22791	.43006	.65797	.00093	.03984	.31805	1.01679	
Next 2,400	.13501	.43006	.56507	.00093	.03984	.31805	.92389	
Over 3,000	(.01122)	.43006	.41884	.00093	.03984	.31805	.77766	
<b>GN-40-Core General Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm								
First 100	\$ .59122	\$ .43006	\$ 1.02128	\$ .00093	\$ .05362	\$ .31805	\$ 1.39388	
Next 500	.47192	.43006	.90198	.00093	.05362	.31805	1.27458	
Next 2,400	.35579	.43006	.78585	.00093	.05362	.31805	1.15845	
Over 3,000	.17300	.43006	.60306	.00093	.05362	.31805	.97566	
<b>GN-50-Core Natural Gas Service for Motor Vehicles</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm	\$ .09852	\$ .43006	\$ .52858	\$ .00093	\$ .05362	\$ .31805	\$ .90118	

**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		
<b>GN-60-Core Internal Combustion Engine Gas Service</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm	\$ .27273	\$ .43006		\$ .70279	\$ .00093	\$ .05362	\$ .31805	\$ 1.07539
<b>GN-66-Core Small Electric Power Generation Gas Service</b>								
Basic Service Charge	\$ 25.00							\$ 25.00
Cost per Therm	\$ .27273	\$ .43006		\$ .70279	\$ .00093		\$ .31805	\$ 1.02177
<b>GN-70-Noncore General Gas Transportation Service</b>								
Basic Service Charge	\$ 100.00							\$ 100.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm	\$ .16437	\$ .14651		\$ .31088	\$ .00093	\$ .05362		\$ .36543
<b>TFF-Transportation Franchise Fee Surcharge Provision</b>								
TFF Surcharge per Therm								\$ .00413
<b>TDS - Transportation Distribution System Shrinkage Charge</b>								
TDS Charge per Therm								\$ .00178
<b>MHPS-Master-Metered Mobile Home Park Safety Inspection Provision</b>								
MHPS Surcharge per Space per Month								\$ .21000

[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, GN-50, GN-60, GN-66		GN-70
<b>Upstream Interstate Charges</b>					
Storage	\$	.02627			
Reservation		.21382			
IRRAM Surcharge		.00004		\$ .00004	
<b>Balancing Account Adjustments</b>					
FCAM*		.18993		.14647	
GHGBA**					
Non-Covered Entities					
Covered Entities					
<b>Total Rate Adjustment</b>	<b>\$</b>	<b>.43006</b>		<b>\$ .14651</b>	

\* The FCAM surcharge includes an amount of \$.14647 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 (LUAFF).

**STATEMENT OF RATES**  
**RATES APPLICABLE TO SOUTH LAKE TAHOE 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		
<b>SLT-10-Residential Gas Service</b>								
Basic Service Charge	\$ 5.00							\$ 5.00
Cost per Therm								
Baseline Quantities	\$ .31102	\$ .38960	\$ .70062	\$ .00093	\$ .05362	\$ .31805	\$ 1.07322	
Tier II	.39856	.38960	.78816	.00093	.05362	.31805	1.16076	
<b>SLT-12-CARE Residential Gas Service</b>								
Basic Service Charge	\$ 4.00							\$ 4.00
Cost per Therm								
Baseline Quantities	\$ .10729	\$ .38960	\$ .49689	\$ .00093	\$ .03984	\$ .31805	\$ .85571	
Tier II	.17732	.38960	.56692	.00093	.03984	.31805	.92574	
<b>SLT-15-Secondary Residential Gas Service</b>								
Basic Service Charge	\$ 6.00							\$ 6.00
Cost per Therm	\$ .43159	\$ .38960	\$ .82119	\$ .00093	\$ .05362	\$ .31805	\$ 1.19379	
<b>SLT-20-Multi-Family Master-Metered Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm								
Baseline Quantities	\$ .31102	\$ .38960	\$ .70062	\$ .00093	\$ .05362	\$ .31805	\$ 1.07322	
Tier II	.39856	.38960	.78816	.00093	.05362	.31805	1.16076	
<b>SLT-25-Multi-Family Master-Metered Gas Service-Submetered</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm								
Baseline Quantities	\$ .31102	\$ .38960	\$ .70062	\$ .00093	\$ .05362	\$ .31805	\$ 1.07322	
Tier II	.39856	.38960	.78816	.00093	.05362	.31805	1.16076	
Submetered Discount per Occupied Space	(\$ 7.69)							(\$ 7.69)
<b>SLT-35-Agriculture Employee Housing &amp; Nonprofit Group Living Facility Gas Service</b>								
Basic Service Charge	\$ 8.80							\$ 8.80
Cost per Therm								
First 100	\$ .19631	\$ .38960	\$ .58591	\$ .00093	\$ .03984	\$ .31805	\$ .94473	
Next 500	.14564	.38960	.53524	.00093	.03984	.31805	.89406	
Next 2,400	.09496	.38960	.48456	.00093	.03984	.31805	.84338	
Over 3,000	.00151	.38960	.39111	.00093	.03984	.31805	.74993	
<b>SLT-40-Core General Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm								
First 100	\$ .42230	\$ .38960	\$ .81190	\$ .00093	\$ .05362	\$ .31805	\$ 1.18450	
Next 500	.35896	.38960	.74856	.00093	.05362	.31805	1.12116	
Next 2,400	.29561	.38960	.68521	.00093	.05362	.31805	1.05781	
Over 3,000	.17880	.38960	.56840	.00093	.05362	.31805	.94100	
<b>SLT-50-Core Natural Gas Service for Motor Vehicles</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm	\$ .20358	\$ .38960	\$ .59318	\$ .00093	\$ .05362	\$ .31805	\$ .96578	

**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		
<b>SLT-60-Core Internal Combustion Engine Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm	\$ .23175	\$ .38960		\$ .62135	\$ .00093	\$ .05362	\$ .31805	\$ .99395
<b>SLT-66-Core Small Electric Power Generation Gas Service</b>								
Basic Service Charge	\$ 11.00							\$ 11.00
Cost per Therm	\$ .23175	\$ .38960		\$ .62135	\$ .00093		\$ .31805	\$ .94033
<b>SLT-70-Noncore General Gas Transportation Service</b>								
Basic Service Charge	\$ 100.00							\$ 100.00
Transportation Service Charge	\$ 780.00							\$ 780.00
Cost per Therm	\$ .16707	\$ .10605		\$ .27312	\$ .00093	\$ .05362		\$ .32767
<b>TFF-Transportation Franchise Fee Surcharge Provision</b>								
TFF Surcharge per Therm								\$ .00413
<b>TDS-Transportation Distribution System Shrinkage Charge</b>								
TDS Charge per Therm								\$ .00178
<b>MHPS-Master-Metered Mobile Home Park Safety Inspection Provision</b>								
MHPS Surcharge per Space per Month								\$ .21000

[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-35, SLT-12, SLT-40, SLT-15, SLT-50, SLT-20, SLT-60, SLT-25, SLT-66		SLT-70
Upstream Interstate Charges			
Storage	\$ .02627		
Reservation	.21382		
IRRAM Surcharge	.00004		\$ .00004
Balancing Account Adjustment			
FCAM *	.14947		.10601
GHGBA			
Non-Covered Entities			
Covered Entities			
<b>Total Rate Adjustment</b>	<b>\$ .38960</b>		<b>\$ .10605</b>

\* The FCAM surcharge includes an amount of \$.10601 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 (LUAUF).

Schedule No. GCP

GAS PROCUREMENT FOR CORE CUSTOMERS

APPLICABILITY

Applicable to core customers who purchase natural gas from the Company. Service under this schedule will be provided in conjunction with the customer's otherwise applicable sales rate schedule.

TERRITORY

Throughout the Company's certificated California service areas, except as may hereafter be provided.

RATES

The Company shall adjust the Cost of Gas for this schedule monthly to reflect its estimated average gas costs. This revised rate shall become effective between the first and seventh calendar day of each month.

Procurement Charges

Southern California

Cost of Gas	\$ .31908
F&U	\$ .00520
Total Gas Cost	<u>\$ .32428</u>

Northern California and South Lake Tahoe

Cost of Gas	\$ .31348
F&U	\$ .00457
Total Gas Cost	<u>\$ .31805</u>

**SOUTHWEST GAS CORPORATION  
CALCULATION OF MONTHLY CORE PROCUREMENT CHARGES  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Rate per Therm (b)	Line No.
<u>Southern California</u>			
1	Estimated Cost of Gas [1]	\$ 0.31090	1
2	Monthly Account No. 191 Surcharge [2]	0.00818	2
3	Subtotal	<u>\$ 0.31908</u>	3
4	Franchise & Uncollectibles @ 1.6299% [3]	<u>0.00520</u>	4
5	Total November Core Procurement Charge per Therm	<u><u>\$ 0.32428</u></u>	5
<u>Northern California and South Lake Tahoe</u>			
6	Estimated Cost of Gas [4]	\$ 0.31491	6
7	Monthly Account No. 191 Surcharge [5]	<u>(0.00143)</u>	7
8	Subtotal	<u>\$ 0.31348</u>	8
9	Franchise & Uncollectibles @ 1.4589% [3]	<u>0.00457</u>	9
10	Total November Core Procurement Charge per Therm	<u><u>\$ 0.31805</u></u>	10

[1] Schedule I, Sheet 2, Line 17, Column (c), converted to Therm.

[2] Schedule I, Sheet 4.

[3] Order Approving Southwest Gas Application 12-12-024 (D.14-06-028).

[4] Schedule I, Sheet 3, Line 10, Column (c), converted to Therm.

[5] Schedule I, Sheet 5.

**SOUTHWEST GAS CORPORATION  
SOUTHERN CALIFORNIA  
CALCULATION OF PROJECTED MONTHLY GAS COST  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Dth (b)	Average Cost Per Dth (c)=(d)/(b)	Amount (d)	Line No.
<u>City Gate Demand and Storage Injections</u>					
1	Total City Gate Demand	970,464			1
2	Purchases for Storage Injection @ City Gate [1]				2
3	Carry-over from Previous Month (Dth)				3
4	Total Demand and Storage Injections	<u>970,464</u>			4
<u>Gas Purchases into Kern River Mainline</u>					
5	Term Purchases	444,000	\$ 3.1548	\$ 1,400,723	5
6	First of Month Purchases [2]	312,000	\$ 2.9495	\$ 920,244	6
7	Spot Purchases [2]	0	\$ 0.0000	\$ 0	7
8	In Kind Fuel	(12,474)	\$ 0.0000	\$ 0	8
9	Variable Transmission	<u>743,526</u>	\$ 0.0049	\$ 3,643	9
10	Kern River Opal Basin Total Purchases	<u>743,526</u>	<u>\$ 3.1265</u>	<u>\$ 2,324,610</u>	10
<u>City Gate Gas Purchases</u>					
11	Term Purchases	0	\$ 0.0000	\$ 0	11
12	First of Month Purchases [2]	0	\$ 0.0000	\$ 0	12
13	Spot Purchases [2]	0	\$ 0.0000	\$ 0	13
14	Total City Gate Gas Purchases	<u>0</u>	<u>\$ 0.0000</u>	<u>\$ 0</u>	14
<u>Storage Withdrawals</u>					
15	Projected Volume	<u>226,938</u>	\$ 3.0516	\$ 692,524	15
16	Total Average Cost of Gas	<u>226,938</u>	<u>\$ 3.0516</u>	<u>\$ 692,524</u>	16
17	Total Cost of Gas at City Gate [3]	<u>970,464</u>	<u>\$ 3.1090</u>	<u>\$ 3,017,133</u>	17

[1] Does not include gas scheduled directly to storage.

[2] Based on October 20, 2016, first of the month forwards.

[3] Excludes storage and interstate pipeline fixed charges and intrastate transportation.



**SOUTHWEST GAS CORPORATION  
NORTHERN CALIFORNIA INCLUDING SOUTH LAKE TAHOE DISTRICT  
CALCULATION OF PROJECTED MONTHLY GAS COST  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Dth (b)	Average Cost Per Dth (c)=(d)/(b)	Amount (d)	Line No.
1	Total City Gate Demand (Net)	494,246			1
<u>Gas Purchases into Mainline</u>					
2	Projected Purchases Into NWPL [1]	17,856	\$ 2.9340	\$ 52,390	2
3	Projected Purchases Into Tuscarora [1]	199,318	\$ 3.2864	\$ 655,034	3
4	Projected Purchases Into Paiute [1]	289,957	\$ 2.9230	\$ 847,544	4
5	Total Projected Gas Purchases into Mainline		<u>\$ 3.1461</u>	<u>\$ 1,554,968</u>	5
<u>Transportation Costs</u>					
6	NWPL Volumetric Charge [2]	17,644	\$ 0.0313	\$ 552	6
7	Paiute Volumetric Charge [3]	494,246	\$ 0.0013	\$ 643	7
8	Tuscarora Volumetric Charge [4]	199,318	\$ 0.0013	\$ 259	8
9	Total Transportation Variable Cost		<u>\$ 0.0339</u>	<u>\$ 1,454</u>	9
10	Total Cost at the City Gate [5]	<u>494,246</u>	<u>\$ 3.1491</u>	<u>\$ 1,556,422</u>	10

[1] Based on October 20, 2016, first of the month forwards.

[2] NWPL less in-kind fuel at 1.19%.

[3] Paiute less in-kind fuel at 2.50%.

[4] Tuscarora less in-kind fuel at 0.00%.

[5] Assumes no volume is dispatched from LNG.

**SOUTHWEST GAS CORPORATION  
SOUTHERN CALIFORNIA  
CALCULATION OF MONTHLY PGA BALANCING ACCOUNT ADJUSTMENTS  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Estimated October Activity (b)	November Surcharge (c)	Line No.
1	Acct. No. 191 Ending Balance for September 2016		\$ 731,468	1
	Storage Activities			
2	No Storage Activity for August		0	2
3	No Storage Activity for September		0	3
4	Adjusted Ending Balance		<u>\$ 731,468</u>	4
5	September Rate per Therm	\$ 0.01374		5
6	October Rate per Therm	<u>0.01083</u>		6
7	Average Rate per Therm	<u>\$ 0.01229</u>		7
8	Estimated October Sales	3,308,528		8
9	Estimated October Acct. No. 191 Activity (Line 7 x Line 8)		\$ (40,662)	9
10	Estimated October Acct. No. 191 Ending Balance Adjusted for Known and Unrecorded Activity		<u>\$ 690,806</u>	10
11	Estimated Twelve Months Sales		<u>84,455,777</u>	11
12	November Surcharge per Therm (Line 10 / Line 11)		<u>\$ 0.00818</u>	12

**SOUTHWEST GAS CORPORATION  
NORTHERN CALIFORNIA INCLUDING SOUTH LAKE TAHOE DISTRICT  
CALCULATION OF MONTHLY PGA BALANCING ACCOUNT ADJUSTMENT  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Estimated October Activity (b)	November Surcharge (c)	Line No.
1	Acct. No. 191 Ending Balance for September 2016		\$ (70,063)	1
2	September Rate per Therm	\$(0.00453)		2
3	October Rate per Therm	<u>(0.00245)</u>		3
4	Average Rate per Therm	<u>\$(0.00349)</u>		4
5	Estimated October Sales	1,677,557		5
6	Estimated October Acct. No. 191 Activity (Line 4 x Line 5)		\$ 5,855	6
7	Estimated October Acct. No. 191 Ending Balance Adjusted for Known and Unrecorded Activity		<u>\$ (64,208)</u>	7
8	Estimated Twelve Months Sales		<u>44,828,267</u>	8
9	November Surcharge per Therm (Line 7 / Line 8)		<u><u>\$ (0.00143)</u></u>	9

**SOUTHWEST GAS CORPORATION  
CALCULATION OF TRANSPORTATION FRANCHISE FEE (TFF) SURCHARGE  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Rate per Therm (b)	Line No.
<u>Southern California</u>			
1	Estimated Cost of Gas [1]	\$ 0.31090	1
2	Franchise Tax @ 1.1694% [2]	\$ 0.00364	2
<u>Northern California and South Lake Tahoe</u>			
3	Estimated Cost of Gas [1]	\$ 0.31491	3
4	Franchise Tax @ 1.3111% [2]	\$ 0.00413	4

[1] Schedule I, Sheet 1.

[2] Order Approving Southwest Gas Application 12-12-024 (D.14-06-028).

**SOUTHWEST GAS CORPORATION  
CALCULATION OF TDS - TRANSPORTATION DISTRIBUTION SYSTEM SHRINKAGE CHARGE  
FOR THE MONTH OF NOVEMBER 2016**

Line No.	Description (a)	Rate per Therm (b)	Line No.
<u>Southern California</u>			
1	Total November Core Procurement Charge per Therm [1]	\$ 0.32428	1
2	Shrinkage Rate @ 0.7600% [2]	\$ 0.00246	2
<u>Northern California and South Lake Tahoe</u>			
3	Total November Core Procurement Charge per Therm [1]	\$ 0.31805	3
4	Shrinkage Rate @ 0.5600% [2]	\$ 0.00178	4

[1] Schedule I, Sheet 1.

[2] Order Approving Southwest Gas Application 12-12-024 (D.14-06-028).