

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



August 30, 2016

**Advice Letter 5006-G**

Ronald van der Leeden  
Director, Regulatory Affairs  
Southern California Gas  
555 W. Fifth Street, GT14D6  
Los Angeles, CA 90013-1011

**SUBJECT: Updates to SoCalGas' Capacity Planning Ranges Based on the 2016 California Gas Report**

Dear Mr. van der Leeden:

Advice Letter 5006-G is effective as of September 2, 2016.

Sincerely,

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

Edward Randolph  
Director, Energy Division



**Ronald van der Leeden**  
Director  
Regulatory Affairs

555 W. Fifth Street, GT14D6  
Los Angeles, CA 90013-1011  
Tel: 213.244.2009  
Fax: 213.244.4957  
*RvanderLeeden@semprautilities.com*

August 3, 2016

Advice No. 5006  
(U 904 G)

Public Utilities Commission of the State of California

**Subject: Updates to SoCalGas' Capacity Planning Ranges Based on the 2016 California Gas Report**

**Purpose**

This filing requests approval by the California Public Utilities Commission (Commission) to update Southern California Gas Company's (SoCalGas) combined portfolio<sup>1</sup> capacity planning ranges in compliance with Decision (D.) 04-09-022 and Advice Nos. (AL) 3969 and 4350.

**Background**

In D.04-09-022, the Commission approved new capacity contracting procedures for SoCalGas. Pursuant to the capacity contracting procedures approved in D.04-09-022 and modified by AL 3969, SoCalGas acquires firm interstate capacity for the non-winter months (April through October) in amounts that range between 90-120% of SoCalGas' core procurement customers' annual average daily load, and for the winter months (November through March) that range between 100% and 120% of the core procurement customers' annual average daily load.

The standard for the determination of SoCalGas' core procurement customers' annual average daily load under D.04-09-022 is as follows: "[t]he forecasted demand will either be from the latest filed BCAP or the latest California Gas Report (CGR), if the BCAP is more than 12 months old."<sup>2</sup>

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<sup>1</sup> In D.07-12-019, the Commission approved combining San Diego Gas and Electric's (SDG&E's) core portfolio into SoCalGas' core portfolio.

<sup>2</sup> D.04-09-022, mimeo., at 29.

### **Updated Capacity Planning Ranges**

The combined portfolio capacity planning ranges are being updated based on the 2016 CGR for Gas Cost Incentive Mechanism (GCIM) Year 24 and GCIM Year 25, as summarized in the table below:

<b>GCIM Year</b>	<b>Season</b>	<b>Updated Minimum Capacity Value</b>	<b>Updated Maximum Capacity Value</b>
<b>GCIM Year 24</b> (April 1, 2017 to March 31, 2018)	<b>Non-Winter</b> April 2017 to Oct 2017	963 MDth/d	1,283 MDth/d
	<b>Winter</b> Nov 2017 to Mar 2018	1,070 MDth/d	1,283 MDth/d
<b>GCIM Year 25</b> (April 1, 2018 to March 31, 2019)	<b>Non-Winter</b> April 2018 to Oct 2018	958 MDth/d	1,278 MDth/d
	<b>Winter</b> Nov 2018 to Mar 2019	1,065 MDth/d	1,278 MDth/d

Accordingly, in compliance with the Commission's direction in D.04-09-022, SoCalGas hereby submits updates to the combined portfolio capacity planning ranges for the non-winter and winter months based upon SoCalGas' and SDG&E's core procurement load forecasts filed in the 2016 CGR. Incorporated herein as Attachment A are SoCalGas' Combined Portfolio Calculations and Workpapers supporting the updated capacity planning ranges.

This filing will not create any deviations from SoCalGas' tariffs, cause withdrawal of service from any present customer, or impose any more or less restrictive conditions.

### **Protest**

Anyone may protest this Advice Letter to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received within 20 days of the date of this Advice Letter, which is August 23, 2016. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division  
Attention: Tariff Unit  
505 Van Ness Avenue  
San Francisco, CA 94102

A copy of the protest should also be sent via e-mail to the attention of the Energy Division Tariff Unit ([EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)). A copy of the protest should also be sent via both e-mail and facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Sid Newsom  
Tariff Manager – GT14D6  
555 West Fifth Street  
Los Angeles, CA 90013-1011  
Facsimile No. (213) 244-4957  
E-Mail: [snewsom@semprautilities.com](mailto:snewsom@semprautilities.com)

**Effective Date**

SoCalGas believes that this filing is subject to Energy Division disposition and should be classified as Tier 2 (effective after staff approval) pursuant to General Order (GO) 96-B. Therefore, SoCalGas respectfully requests that this compliance filing become effective on September 2, 2016, which is 30 calendar days after the date filed.

**Notice**

A copy of this Advice Letter is being sent to SoCalGas' GO 96-B service list and the Commission's service list in R.04-01-025, Gas Market OIR. Address change requests to the GO 96-B should be directed by electronic mail to [tariffs@socalgas.com](mailto:tariffs@socalgas.com) or call 213-244-3387. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

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Ronald van der Leeden  
Director - Regulatory Affairs

Attachments

# 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. **SOUTHERN CALIFORNIA GAS COMPANY (U 904G)**

Utility type:

ELC

GAS

PLC

HEAT

WATER

Contact Person: Sid Newsom

Phone #: (213) 244-2846

E-mail: SNewsom@semprautilities.com

### EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat

WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 5006

Subject of AL: Updates to SoCalGas' Capacity Planning Ranges Based on the 2016 California Gas Report

Keywords (choose from CPUC listing): Capacity

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other Periodic

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

D.04-09-022

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

Summarize differences between the AL and the prior withdrawn or rejected AL<sup>1</sup>: N/A

Does AL request confidential treatment? If so, provide explanation: No

Resolution Required?  Yes  No

Tier Designation:  1  2  3

Requested effective date: 9/2/16

No. of tariff sheets: 0

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

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

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

Tariff schedules affected: N/A

Service affected and changes proposed<sup>1</sup>: N/A

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

**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  
EDTariffUnit@cpuc.ca.gov**

**Southern California Gas Company  
Attention: Sid Newsom  
555 West 5<sup>th</sup> Street, GT14D6  
Los Angeles, CA 90013-1011  
SNewsom@semprautilities.com  
Tariffs@socalgas.com**

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

**ATTACHMENT A**

**Advice No. 5006**

**SoCalGas' Combined Portfolio Calculations and  
Workpapers based on the 2016 California Gas Report**

Capacity Planning Ranges Based on  
The **2016 California Gas Report**

Core end-use demand (MDth/d) exclusive of  
core aggregation transportation (CAT)

Line	Cal Year/		Winter/ Nonwinter	"Low" Capacity	"High"	12-Month Avg.	Days per Month	SoCalGas +	SDG&E	SoCalGas (2016	SDG&E (2016	GCIM-24	GCIM-25	Line
	Month	GCIM-Year		Value <sup>1/</sup>	Capacity Value	Dly. Dmd. For		(2016	(2016	CGR) 1/	CGR) 2/			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)				
1	Apr-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	30	1,126.2	985.2	141.0	1	0	1	
2	May-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	31	839.8	729.7	110.1	1	0	2	
3	Jun-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	30	759.5	666.1	93.4	1	0	3	
4	Jul-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	31	692.1	606.8	85.2	1	0	4	
5	Aug-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	31	669.6	586.7	82.8	1	0	5	
6	Sep-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	30	690.2	606.0	84.2	1	0	6	
7	Oct-17	GCIM-24	Non-Win	962.6	1,283.4	1,069.5	31	789.0	694.1	94.9	1	0	7	
8	Nov-17	GCIM-24	Win	1,069.5	1,283.4	1,069.5	30	1,194.8	1,051.0	143.7	1	0	8	
9	Dec-17	GCIM-24	Win	1,069.5	1,283.4	1,069.5	31	1,670.2	1,468.7	201.6	1	0	9	
10	Jan-18	GCIM-24	Win	1,069.5	1,283.4	1,069.5	31	1,592.8	1,402.3	190.5	1	0	10	
11	Feb-18	GCIM-24	Win	1,069.5	1,283.4	1,069.5	28	1,558.8	1,364.7	194.1	1	0	11	
12	Mar-18	GCIM-24	Win	1,069.5	1,283.4	1,069.5	31	1,282.2	1,124.1	158.2	1	0	12	
13	Apr-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	30	1,121.3	980.3	141.0	0	1	13	
14	May-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	31	836.1	726.1	110.0	0	1	14	
15	Jun-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	30	755.8	662.5	93.3	0	1	15	
16	Jul-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	31	689.0	603.8	85.2	0	1	16	
17	Aug-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	31	666.8	584.0	82.8	0	1	17	
18	Sep-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	30	687.2	603.1	84.2	0	1	18	
19	Oct-18	GCIM-25	Non-Win	958.3	1,277.7	1,064.7	31	785.6	690.7	94.9	0	1	19	
20	Nov-18	GCIM-25	Win	1,064.7	1,277.7	1,064.7	30	1,189.3	1,045.6	143.7	0	1	20	
21	Dec-18	GCIM-25	Win	1,064.7	1,277.7	1,064.7	31	1,662.9	1,461.3	201.6	0	1	21	
22	Jan-19	GCIM-25	Win	1,064.7	1,277.7	1,064.7	31	1,585.2	1,394.8	190.5	0	1	22	
23	Feb-19	GCIM-25	Win	1,064.7	1,277.7	1,064.7	28	1,552.1	1,358.0	194.1	0	1	23	
24	Mar-19	GCIM-25	Win	1,064.7	1,277.7	1,064.7	31	1,276.4	1,118.2	158.2	0	1	24	

Notes:

- 25 1/ The non-winter "Low" value is calculated as 90% of the
- 26 respective GCIM 12-month average daily demand; while
- 27 the winter "Low" value is calculated using 100%.
- 28 Per SoCalGas Advice Letter No. 3969 (March 2, 2009);
- 29 with CPUC Approval (April 3, 2009).
- 30 2/ The "High" value is calculated as 120% of the
- 31 respective GCIM 12-month average daily demand.
- 32 Per SoCalGas Advice Letter No. 3969 (March 2, 2009);
- 33 with CPUC Approval (April 3, 2009).
- 34 3/ Computed for each indicated GCIM year as a weighted average
- 35 of the monthly values in column (8) weighted by the respective
- 36 days per month in column (7).

Notes:

- 25 1/ From the **2016 California Gas Report** Work Papers (REDACTED version for SoCalGas),
- 26 Southern California Gas Company Tabular Data, pp. 11-13, footnote #6.
- 27 <https://www.socalgas.com/regulatory/cgr.shtml>
- 28 2/ From the **2016 California Gas Report** Work Papers (REDACTED version for SDG&E),
- 29 San Diego Gas and Electric Company Tabular Data, pp. 12-14, footnote #4.
- 30 <https://www.socalgas.com/regulatory/cgr.shtml>
- 31
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SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2017

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE</b>															
1	California Line 85 Zone (California Producers)	160	160	160	160	160	160	160	160	160	160	160	160	160	1
2	California Coastal Zone (California Producers) Out-of-State Gas	150	150	150	150	150	150	150	150	150	150	150	150	150	2
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) 1/	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) 2/	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) 3/	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	7
<b>GAS SUPPLY TAKEN</b>															
8	California Source Gas	122	122	122	122	122	122	122	122	122	122	122	122	122	8
9	Out-of-State	2,993	2,979	2,566	2,419	2,090	2,126	2,372	2,361	2,530	2,305	2,535	3,080	2,527	9
10	TOTAL SUPPLY TAKEN	3,115	3,101	2,688	2,541	2,212	2,248	2,494	2,483	2,652	2,427	2,657	3,202	2,649	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 4/	3,115	3,101	2,688	2,541	2,212	2,248	2,494	2,483	2,652	2,427	2,657	3,202	2,649	12
<b>REQUIREMENTS FORECAST BY END-USE 5/</b>															
13	CORE 6/ Residential	1,044	1,040	812	695	475	387	361	361	367	451	738	1,119	652	13
14	Commercial	294	245	242	215	192	213	181	163	172	173	244	275	217	14
15	Industrial	59	66	63	60	50	57	53	49	53	55	57	58	57	15
16	NGV	38	42	38	39	38	39	38	38	39	38	39	38	38	16
17	Subtotal-CORE	1,435	1,392	1,154	1,009	755	696	633	611	631	717	1,077	1,490	964	17
22	NONCORE Subtotal-NONCORE	1,154	1,171	1,082	1,101	1,078	1,102	1,405	1,413	1,539	1,294	1,124	1,153	1,218	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INTL.	487	499	419	399	352	423	425	429	449	386	423	518	434	26
27	Co. Use & LUAF	39	39	33	32	28	28	31	31	33	30	33	40	33	27
28	SYSTEM TOTAL THROUGHPUT 4/	3,115	3,101	2,688	2,541	2,212	2,248	2,494	2,483	2,652	2,427	2,657	3,202	2,649	28
<b>TRANSPORTATION AND EXCHANGE</b>															
29	CORE All End Uses	73	68	63	57	50	53	47	44	46	47	62	72	57	29
30	NONCORE All End Uses	1,154	1,171	1,082	1,101	1,078	1,102	1,405	1,413	1,539	1,294	1,124	1,153	1,218	30
33	Subtotal-RETAIL	1,228	1,239	1,145	1,159	1,127	1,154	1,452	1,456	1,585	1,341	1,186	1,225	1,275	33
34	WHOLESALE & INTERNATIONAL All End Uses	487	499	419	399	352	423	425	429	449	386	423	518	434	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,715	1,738	1,564	1,558	1,479	1,577	1,877	1,885	2,034	1,727	1,609	1,743	1,709	35
<b>CURTAILMENT (RETAIL &amp; WHOLESALE)</b>															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

- 1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)
- 2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe)
- 3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.)

- 4/ Excludes own-source gas supply of gas procurement by the City of Long Beach
  - 5/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.
  - 6/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:
- |  |       |       |       |     |     |     |     |     |     |     |       |       |     |
|--|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|
|  | 1,410 | 1,371 | 1,130 | 985 | 730 | 666 | 607 | 587 | 606 | 694 | 1,051 | 1,469 | 940 |
|--|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|



SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2018

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE</b>															
1	California Line 85 Zone (California Producers)	160	160	160	160	160	160	160	160	160	160	160	160	160	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
Out-of-State Gas															
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) 1/	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) 2/	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) 3/	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	7
<b>GAS SUPPLY TAKEN</b>															
8	California Source Gas	122	122	122	122	122	122	122	122	122	122	122	122	122	8
9	Out-of-State	3,007	2,952	2,511	2,363	2,077	2,064	2,274	2,298	2,456	2,283	2,505	3,058	2,485	9
10	TOTAL SUPPLY TAKEN	3,129	3,074	2,633	2,485	2,199	2,186	2,396	2,420	2,578	2,405	2,627	3,180	2,607	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 4/	3,129	3,074	2,633	2,485	2,199	2,186	2,396	2,420	2,578	2,405	2,627	3,180	2,607	12
<b>REQUIREMENTS FORECAST BY END-USE 5/</b>															
13	CORE 6/ Residential	1,041	1,036	809	693	473	386	360	359	366	450	735	1,115	650	13
14	Commercial	289	241	238	211	189	210	179	161	169	171	240	271	214	14
15	Industrial	58	65	62	60	50	56	52	49	53	55	56	58	56	15
16	NGV	39	44	39	41	39	41	39	39	41	39	41	39	40	16
17	Subtotal-CORE	1,428	1,386	1,148	1,004	751	692	630	608	628	714	1,072	1,483	960	17
22	NONCORE Subtotal-NONCORE	1,158	1,140	1,033	1,049	1,063	1,089	1,362	1,408	1,526	1,270	1,100	1,136	1,195	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INTL.	505	510	419	401	358	377	374	374	392	391	422	521	420	26
27	Co. Use & LUAF	39	38	33	31	27	27	30	30	32	30	33	40	32	27
28	SYSTEM TOTAL THROUGHPUT 4/	3,129	3,074	2,633	2,485	2,199	2,186	2,396	2,420	2,578	2,405	2,627	3,180	2,607	28
<b>TRANSPORTATION AND EXCHANGE</b>															
29	CORE All End Uses	73	68	63	57	50	52	47	44	46	47	62	71	57	29
30	NONCORE All End Uses	1,158	1,140	1,033	1,049	1,063	1,089	1,362	1,408	1,526	1,270	1,100	1,136	1,195	30
33	Subtotal-RETAIL	1,231	1,208	1,096	1,106	1,113	1,142	1,409	1,452	1,572	1,317	1,161	1,207	1,252	33
34	WHOLESALE & INTERNATIONAL All End Uses	505	510	419	401	358	377	374	374	392	391	422	521	420	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,736	1,717	1,515	1,507	1,471	1,519	1,783	1,826	1,964	1,708	1,584	1,728	1,671	35
<b>CURTAILMENT (RETAIL &amp; WHOLESALE)</b>															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

- 1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)
- 2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe)
- 3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.)

4/ Excludes own-source gas supply of gas procurement by the City of Long Beach 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7

5/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

6/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,402 1,365 1,124 980 726 663 604 584 603 691 1,046 1,461 935

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper: TABLE 1-SCG

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2019

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE</b>															
1	California Line 85 Zone (California Producers)	160	160	160	160	160	160	160	160	160	160	160	160	160	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
Out-of-State Gas															
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) 1/	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) 2/	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) 3/	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	3,875	7
<b>GAS SUPPLY TAKEN</b>															
8	California Source Gas	122	122	122	122	122	122	122	122	122	122	122	122	122	8
9	Out-of-State	2,990	2,894	2,498	2,324	2,058	2,047	2,243	2,253	2,413	2,305	2,489	3,019	2,459	9
10	TOTAL SUPPLY TAKEN	3,112	3,016	2,620	2,446	2,180	2,169	2,365	2,375	2,535	2,427	2,611	3,141	2,581	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 4/	3,112	3,016	2,620	2,446	2,180	2,169	2,365	2,375	2,535	2,427	2,611	3,141	2,581	12
<b>REQUIREMENTS FORECAST BY END-USE 5/</b>															
13	CORE 6/ Residential	1,036	1,032	805	690	471	384	359	358	364	448	732	1,110	647	13
14	Commercial	285	237	235	208	186	207	176	158	167	168	236	267	211	14
15	Industrial	58	65	61	59	49	56	51	48	52	54	56	57	55	15
16	NGV	41	45	41	42	41	42	41	41	42	41	42	41	42	16
17	Subtotal-CORE	1,420	1,379	1,143	999	748	689	627	605	626	711	1,066	1,475	955	17
22	NONCORE Subtotal-NONCORE	1,151	1,112	1,031	1,026	1,055	1,076	1,336	1,366	1,486	1,292	1,090	1,110	1,178	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INTL.	501	486	414	391	350	377	373	373	391	394	422	517	415	26
27	Co. Use & LUAF	39	38	33	30	27	27	29	30	32	30	33	39	32	27
28	SYSTEM TOTAL THROUGHPUT 4/	3,112	3,016	2,620	2,446	2,180	2,169	2,365	2,375	2,535	2,427	2,611	3,141	2,581	28
<b>TRANSPORTATION AND EXCHANGE</b>															
29	CORE All End Uses	73	68	62	57	50	52	47	44	46	47	62	71	57	29
30	NONCORE All End Uses	1,151	1,112	1,031	1,026	1,055	1,076	1,336	1,366	1,486	1,292	1,090	1,110	1,178	30
33	Subtotal-RETAIL	1,224	1,180	1,094	1,083	1,105	1,129	1,383	1,410	1,532	1,339	1,152	1,181	1,235	33
34	WHOLESALE & INTERNATIONAL All End Uses	501	486	414	391	350	377	373	373	391	394	422	517	415	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,725	1,666	1,507	1,474	1,455	1,506	1,756	1,783	1,923	1,734	1,574	1,698	1,650	35
<b>CURTAILMENT (RETAIL &amp; WHOLESALE)</b>															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38
<b>NOTES:</b>															
1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)															
2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe)															
3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.)															
4/ Excludes own-source gas supply of gas procurement by the City of Long Beach															
5/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.															
6/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:															
		1,395	1,358	1,118	975	722	659	601	581	600	687	1,040	1,454	930	

SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 1-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2017

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE 1/ &amp; 2/</b>															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	607	607	607	607	607	607	607	607	607	607	607	607	607	2
3	TOTAL CAPACITY AVAILABLE	607	607	607	607	607	607	607	607	607	607	607	607	607	3
<b>GAS SUPPLY TAKEN</b>															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	361	374	310	302	270	343	347	351	370	304	323	390	336	5
6	TOTAL SUPPLY TAKEN	361	374	310	302	270	343	347	351	370	304	323	390	336	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	361	374	310	302	270	343	347	351	370	304	323	390	337	8
<b>REQUIREMENTS FORECAST BY END-USE 3/</b>															
9	CORE 4/	134	136	111	94	66	53	49	49	49	58	93	141	86	9
10	Residential	56	58	46	46	45	41	37	34	35	37	51	61	45	10
11	Commercial	5	6	5	5	4	4	3	3	3	4	4	5	4	11
12	Industrial	5	5	5	5	5	5	5	5	5	5	5	5	5	12
13	NGV	200	204	167	150	119	102	94	91	92	103	153	212	140	13
14	Subtotal-CORE														14
15															15
16															16
17	NONCORE	158	167	141	149	149	238	250	257	274	198	167	174	194	17
18	Subtotal-NONCORE														18
19	Co. Use & LUAF	3	3	3	3	2	3	3	3	3	3	3	4	3	18
19	SYSTEM TOTAL THROUGHPUT	361	374	310	302	270	343	347	351	370	304	323	390	337	19
<b>TRANSPORTATION AND EXCHANGE</b>															
20	CORE	17	17	14	14	13	13	12	11	11	12	15	18	14	20
21	All End Uses														21
22	NONCORE	158	167	141	149	149	238	250	257	274	198	167	174	194	22
23	All End Uses														22
23	TOTAL TRANSPORTATION & EXCHANGE	175	184	155	163	162	250	262	268	286	209	182	192	207	23
<b>CURTAILMENT</b>															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Capacity to receive gas from the Southern Zone of SoCalGas is an annual value based on weighting winter and non-winter season values: 607 = (630 winter) x (151/365) + (590 non-winter) x (214/365).

2/ For 2016 and after, assume capacity at same levels.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

190	194	158	141	110	93	85	83	84	95	144	202	131
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 1-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2018

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE 1/ &amp; 2/</b>															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	607	607	607	607	607	607	607	607	607	607	607	607	607	2
3	TOTAL CAPACITY AVAILABLE	607	607	607	607	607	607	607	607	607	607	607	607	607	3
<b>GAS SUPPLY TAKEN</b>															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	377	384	309	303	276	298	296	296	312	308	322	393	322	5
6	TOTAL SUPPLY TAKEN	377	384	309	303	276	298	296	296	312	308	322	393	322	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	377	384	309	303	276	298	296	296	312	308	322	393	322	8
<b>REQUIREMENTS FORECAST BY END-USE 3/</b>															
9	CORE 4/	135	136	111	94	66	53	49	49	49	58	93	141	86	9
10	Residential	55	57	46	46	44	40	36	34	35	36	51	61	45	10
11	Commercial	5	6	5	5	4	4	3	3	3	4	4	5	4	11
12	Industrial	5	6	5	5	5	5	5	5	5	5	5	5	5	12
13	NGV	200	204	167	150	119	103	94	91	93	103	154	212	140	13
14	Subtotal-CORE														14
15															15
16															16
17	NONCORE	174	175	139	150	154	192	200	202	217	202	165	177	179	17
18	Subtotal-NONCORE														18
19	Co. Use & LUAF	3	4	3	3	3	3	3	3	3	3	3	4	3	18
19	SYSTEM TOTAL THROUGHPUT	377	384	309	303	276	298	296	296	312	308	322	393	322	19
<b>TRANSPORTATION AND EXCHANGE</b>															
20	CORE	17	18	15	15	14	13	12	11	12	12	15	18	14	20
21	All End Uses														21
22	NONCORE	174	175	139	150	154	192	200	202	217	202	165	177	179	22
23	All End Uses														22
23	TOTAL TRANSPORTATION & EXCHANGE	191	193	154	165	167	205	212	213	228	214	181	195	193	23
<b>CURTAILMENT</b>															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Capacity to receive gas from the Southern Zone of SoCalGas is an annual value based on weighting winter and non-winter season values: 607 = (630 winter) x (151/365) + (590 non-winter) x (214/365).

2/ For 2016 and after, assume capacity at same levels.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

190	194	158	141	110	93	85	83	84	95	144	202	131
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SAN DIEGO GAS & ELECTRIC COMPANY

Work Paper: TABLE 1-SDGE

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY  
ESTIMATED FOR YEAR: 2019

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
<b>CAPACITY AVAILABLE 1/ &amp; 2/</b>															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	607	607	607	607	607	607	607	607	607	607	607	607	607	2
3	TOTAL CAPACITY AVAILABLE	607	607	607	607	607	607	607	607	607	607	607	607	607	3
<b>GAS SUPPLY TAKEN</b>															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	373	359	303	293	267	297	295	294	311	311	321	387	317	5
6	TOTAL SUPPLY TAKEN	373	359	303	293	267	297	295	294	311	311	321	387	317	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	373	359	303	293	267	297	295	294	311	311	321	387	317	8
<b>REQUIREMENTS FORECAST BY END-USE 3/</b>															
9	CORE 4/ Residential	135	136	111	95	66	53	49	49	49	58	94	142	86	9
10	Commercial	54	56	45	45	44	40	36	33	34	36	50	60	44	10
11	Industrial	5	6	5	5	4	4	3	3	3	4	4	5	4	11
12	NGV	5	6	5	6	5	6	5	5	6	5	6	5	6	12
13	Subtotal-CORE	200	204	167	150	119	103	94	91	93	103	154	212	140	13
14															14
15															15
16															16
17	NONCORE Subtotal-NONCORE	170	152	134	139	146	192	198	201	215	205	164	171	174	17
18	Co. Use & LUAF	3	3	3	3	2	3	3	3	3	3	3	4	3	18
19	SYSTEM TOTAL THROUGHPUT	373	359	303	293	267	297	295	294	311	311	321	387	317	19
<b>TRANSPORTATION AND EXCHANGE</b>															
20	CORE All End Uses	17	18	15	15	14	13	12	11	12	12	15	18	14	20
21															21
22	NONCORE All End Uses	170	152	134	139	146	192	198	201	215	205	164	171	174	22
23	TOTAL TRANSPORTATION & EXCHANGE	187	169	148	154	160	204	210	212	227	217	180	189	188	23
<b>CURTAILMENT</b>															
24	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	24
25	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	25
26	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	26

NOTES:

1/ Capacity to receive gas from the Southern Zone of SoCalGas is an annual value based on weighting winter and non-winter season values: 607 = (630 winter) x (151/365) + (590 non-winter) x (214/365).

2/ For 2016 and after, assume capacity at same levels.

3/ Requirement forecast by end-use includes sales, transportation, and exchange volumes.

4/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d:

190	194	158	141	110	93	85	83	84	95	144	202	131
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