

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



November 9, 2018

Advice Letter 5340

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 2018 California Gas Report

Dear Mr. van der Leeden:

Advice Letter 5340 is effective as of September 16, 2018.

Sincerely,

A handwritten signature in black ink 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 17, 2018

Advice No. 5340
(U 904 G)

Public Utilities Commission of the State of California

Subject: Updates to SoCalGas' Capacity Planning Ranges Based on the 2018 California Gas Report

Purpose

This submission requests approval by the California Public Utilities Commission (Commission or CPUC) to update Southern California Gas Company's (SoCalGas) combined portfolio¹ capacity planning ranges in compliance with Decision (D.) 04-09-022 and Advice Nos. (AL) 3969 and 5254.

Background

In D.04-09-022, the Commission approved capacity contracting procedures for SoCalGas. Pursuant to the capacity contracting procedures approved in D.04-09-022, modified by AL 3969, and most recently extended by AL 5254, 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

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

will either be from the latest filed BCAP or the latest California Gas Report (CGR), if the BCAP is more than 12 months old.”²

Updated Capacity Planning Ranges

The combined portfolio capacity planning ranges are being updated based on the 2018 CGR for Gas Cost Incentive Mechanism (GCIM) Year 26 and GCIM Year 27, as summarized in the table below:

GCIM Year	Season	Updated Minimum Capacity Value	Updated Maximum Capacity Value
GCIM Year 26 (April 1, 2019 to March 31, 2020)	Non-Winter April 2019 to Oct 2019	945 MDth/d	1,260 MDth/d
	Winter Nov 2019 to Mar 2020	1,050 MDth/d	1,260 MDth/d
GCIM Year 27 (April 1, 2020 to March 31, 2021)	Non-Winter April 2020 to Oct 2020	937 MDth/d	1,249 MDth/d
	Winter Nov 2020 to Mar 2021	1,041 MDth/d	1,249 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 2018 CGR. Attachment A includes SoCalGas’ Combined Portfolio Calculations and Workpapers supporting the updated capacity planning ranges.

This AL 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 September 6, 2018. 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

² D.04-09-022 at p. 29.

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). 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: Ray B. Ortiz
Tariff Manager – GT14D6
555 West Fifth Street
Los Angeles, CA 90013-1011
Facsimile No.: (213) 244-4957
E-Mail: ROrtiz@semprautilities.com

Effective Date

SoCalGas believes that this submittal 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 submittal become effective on September 16, 2018, which is 30 calendar days after the date submitted.

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 service list should be directed by e-mail to tariffs@socalgas.com or call 213-244-2837. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or by e-mail at Process_Office@cpuc.ca.gov.

Ronald van der Leeden
Director - Regulatory Affairs

Attachments

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER SUBMITTAL 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: Ray B. Ortiz

Phone #: (213) 244-3837

E-mail: ROrtiz@semprautilities.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted/ Received Stamp by CPUC)

Advice Letter (AL) #: 5340

Subject of AL: Update to SoCalGas' Capacity Planning Ranges Based on the 2018 California Gas Report

Keywords (choose from CPUC listing): Capacity

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

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

Decision 04-09-022

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

Summarize differences between the AL and the prior withdrawn or rejected AL¹: N/A

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

Resolution Required? Yes No

Tier Designation: 1 2 3

Requested effective date: 9/16/18

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 proposed¹: 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 submittal, 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: Ray B. Ortiz
555 West 5th Street, GT14D6
Los Angeles, CA 90013-1011
ROrtiz@semprautilities.com
Tariffs@socalgas.com

¹ Discuss in AL if more space is needed.

ATTACHMENT A

Advice No. 5340

**SoCalGas' Combined Portfolio Calculations and Workpapers
based on the 2018 California Gas Report**

Capacity Planning Ranges Based on
The **2018 California Gas Report**

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

Line	Cal Year/ Month	GCIM-Year	Winter/ Nonwinter	"Low"	"High"	12-Month	Days per Month	SoCalGas +			GCIM-26	GCIM-27	Line
				Capacity Value ^{1/}	Capacity Value ^{2/}	Avg. Dly. Dmd. For GCIM Year ^{3/}		SDG&E (2018 CGR)	SoCalGas (2018 CGR) ^{1/}	SDG&E (2018 CGR) ^{2/}			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
1	Apr-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	30	1,116.4	974.2	142.2	1	0	1
2	May-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	31	834.1	727.0	107.1	1	0	2
3	Jun-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	30	710.9	620.7	90.2	1	0	3
4	Jul-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	31	664.0	580.6	83.4	1	0	4
5	Aug-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	31	664.8	581.8	82.9	1	0	5
6	Sep-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	30	683.2	598.6	84.6	1	0	6
7	Oct-19	GCIM-26	Non-Win	944.7	1,259.6	1,049.7	31	774.9	681.2	93.7	1	0	7
8	Nov-19	GCIM-26	Win	1,049.7	1,259.6	1,049.7	30	1,160.8	1,020.8	140.0	1	0	8
9	Dec-19	GCIM-26	Win	1,049.7	1,259.6	1,049.7	31	1,659.3	1,458.7	200.6	1	0	9
10	Jan-20	GCIM-26	Win	1,049.7	1,259.6	1,049.7	31	1,572.4	1,377.2	195.2	1	0	10
11	Feb-20	GCIM-26	Win	1,049.7	1,259.6	1,049.7	29	1,513.5	1,324.7	188.8	1	0	11
12	Mar-20	GCIM-26	Win	1,049.7	1,259.6	1,049.7	31	1,255.1	1,093.3	161.7	1	0	12
13	Apr-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	30	1,104.3	962.6	141.7	0	1	13
14	May-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	31	825.8	718.9	106.8	0	1	14
15	Jun-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	30	704.1	614.1	90.0	0	1	15
16	Jul-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	31	657.8	574.5	83.2	0	1	16
17	Aug-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	31	658.6	575.8	82.8	0	1	17
18	Sep-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	30	676.8	592.3	84.4	0	1	18
19	Oct-20	GCIM-27	Non-Win	936.7	1,248.9	1,040.8	31	767.3	673.9	93.5	0	1	19
20	Nov-20	GCIM-27	Win	1,040.8	1,248.9	1,040.8	30	1,148.2	1,008.6	139.5	0	1	20
21	Dec-20	GCIM-27	Win	1,040.8	1,248.9	1,040.8	31	1,640.1	1,440.3	199.8	0	1	21
22	Jan-21	GCIM-27	Win	1,040.8	1,248.9	1,040.8	31	1,552.0	1,358.3	193.6	0	1	22
23	Feb-21	GCIM-27	Win	1,040.8	1,248.9	1,040.8	28	1,547.2	1,353.2	194.0	0	1	23
24	Mar-21	GCIM-27	Win	1,040.8	1,248.9	1,040.8	31	1,239.3	1,078.8	160.5	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 **2018 California Gas Report** Work Papers (REDACTED version for SoCalGas),
- 26 Southern California Gas Company Tabular Data, pp. 13-15, footnote #8.
- 27 <https://www.socalgas.com/regulatory/cgr.shtml>
- 28 2/ From the **2018 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>
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SOUTHERN CALIFORNIA GAS COMPANY

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
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	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/	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	5
6	Total Out-of-State Gas	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	3,175	6
7	TOTAL CAPACITY AVAILABLE 4/	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	3,385	7
GAS SUPPLY TAKEN															
8	California Source Gas 5/	51	51	51	51	51	51	51	51	51	51	51	51	51	8
9	Out-of-State	2,949	2,838	2,576	2,493	2,142	2,132	2,384	2,608	2,575	2,323	2,434	3,035	2,540	9
10	TOTAL SUPPLY TAKEN	3,000	2,889	2,627	2,544	2,193	2,183	2,435	2,659	2,626	2,374	2,485	3,086	2,591	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 6/	3,000	2,889	2,627	2,544	2,193	2,183	2,435	2,659	2,626	2,374	2,485	3,086	2,591	12
REQUIREMENTS FORECAST BY END-USE 7/															
13	CORE 8/ Residential	1,046	1,020	795	679	475	378	352	351	358	433	716	1,098	640	13
14	Commercial	285	297	243	230	190	181	172	172	178	183	236	295	221	14
15	Industrial	57	67	60	58	52	53	49	51	55	56	61	60	57	15
16	NGV	39	41	43	41	43	43	41	45	44	46	44	41	43	16
17	Subtotal-CORE	1,426	1,424	1,140	1,008	761	655	614	618	636	718	1,058	1,494	960	17
22	NONCORE Subtotal-NONCORE	1,048	969	1,039	1,095	1,053	1,174	1,430	1,595	1,548	1,263	1,012	1,059	1,192	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INT	487	459	415	409	350	326	360	412	409	362	384	494	406	26
27	Co. Use & LUAF	38	36	33	32	28	28	31	34	33	30	31	39	33	27
28	SYSTEM TOTAL THROUGHPUT 6/	3,000	2,889	2,627	2,544	2,193	2,183	2,435	2,659	2,626	2,374	2,485	3,086	2,591	28
TRANSPORTATION AND EXCHANGE															
29	CORE All End Uses	78	81	70	66	58	55	52	55	57	60	71	83	65	29
30	NONCORE All End Uses	1,048	969	1,039	1,095	1,053	1,174	1,430	1,595	1,548	1,263	1,012	1,059	1,191	30
33	Subtotal-RETAIL	1,126	1,050	1,109	1,161	1,111	1,229	1,482	1,651	1,605	1,323	1,082	1,143	1,258	33
34	WHOLESALE & INTERNATIONAL All End Uses	487	459	415	409	350	326	360	412	409	362	384	494	406	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,613	1,509	1,524	1,570	1,462	1,555	1,843	2,063	2,014	1,685	1,467	1,637	1,663	35
CURTAILMENT (RETAIL & WHOLESALE)															
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/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2017 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 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

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,395 1,389 1,107 974 727 621 581 582 599 681 1,021 1,459 925

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2020

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	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 4/	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas 5/	51	51	51	51	51	51	51	51	51	51	51	51	51	8
9	Out-of-State	3,029	2,755	2,442	2,382	2,019	2,021	2,384	2,573	2,529	2,370	2,545	3,132	2,515	9
10	TOTAL SUPPLY TAKEN	3,080	2,806	2,493	2,433	2,070	2,072	2,435	2,624	2,580	2,421	2,596	3,183	2,566	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 6/	3,080	2,806	2,493	2,433	2,070	2,072	2,435	2,624	2,580	2,421	2,596	3,183	2,566	12
REQUIREMENTS FORECAST BY END-USE 7/															
13	CORE 8/ Residential	1,031	971	784	670	468	373	347	346	353	427	706	1,083	629	13
14	Commercial	281	283	240	227	188	179	170	169	175	181	233	291	218	14
15	Industrial	57	64	59	57	52	53	48	50	55	56	61	59	56	15
16	NGV	41	42	45	43	45	45	43	47	47	49	46	43	45	16
17	Subtotal-CORE	1,410	1,359	1,128	997	754	649	608	613	630	712	1,046	1,476	948	17
22	NONCORE Subtotal-NONCORE	1,123	945	925	1,015	963	1,084	1,420	1,573	1,520	1,326	1,142	1,179	1,186	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INT	508	467	410	390	327	313	376	405	396	352	374	488	401	26
27	Co. Use & LUAF	39	35	31	31	26	26	31	33	33	31	33	40	32	27
28	SYSTEM TOTAL THROUGHPUT 6/	3,080	2,806	2,493	2,433	2,070	2,072	2,435	2,624	2,580	2,421	2,596	3,183	2,566	28
TRANSPORTATION AND EXCHANGE															
29	CORE All End Uses	78	78	71	66	58	56	53	56	57	60	71	83	66	29
30	NONCORE All End Uses	1,123	945	925	1,015	963	1,084	1,420	1,573	1,520	1,326	1,142	1,179	1,185	30
33	Subtotal-RETAIL	1,202	1,024	995	1,082	1,021	1,140	1,473	1,630	1,578	1,386	1,213	1,262	1,252	33
34	WHOLESALE & INTERNATIONAL All End Uses	508	467	410	390	327	313	376	405	396	352	374	488	401	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,710	1,491	1,405	1,472	1,349	1,452	1,848	2,034	1,974	1,738	1,587	1,750	1,652	35
CURTAILMENT (RETAIL & WHOLESALE)															
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/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2017 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6
gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,377 1,325 1,093 963 719 614 575 576 592 674 1,009 1,440 912

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2021

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	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 4/	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas 5/	51	51	51	51	51	51	51	51	51	51	51	51	51	8
9	Out-of-State	3,040	2,796	2,388	2,421	2,096	2,081	2,310	2,453	2,410	2,344	2,485	3,105	2,493	9
10	TOTAL SUPPLY TAKEN	3,091	2,847	2,439	2,472	2,147	2,132	2,361	2,504	2,461	2,395	2,536	3,156	2,544	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT 6/	3,091	2,847	2,439	2,472	2,147	2,132	2,361	2,504	2,461	2,395	2,536	3,156	2,544	12
REQUIREMENTS FORECAST BY END-USE 7/															
13	CORE 8/ Residential	1,017	992	773	661	462	368	342	341	348	421	696	1,068	622	13
14	Commercial	276	287	235	223	184	175	167	166	172	178	229	285	214	14
15	Industrial	56	65	58	56	51	52	48	50	54	55	60	58	55	15
16	NGV	43	45	48	46	48	47	46	50	49	51	49	46	47	16
17	Subtotal-CORE	1,391	1,389	1,114	985	745	642	602	607	624	704	1,034	1,457	939	17
22	NONCORE Subtotal-NONCORE	1,176	950	900	1,065	1,044	1,136	1,351	1,462	1,422	1,283	1,085	1,174	1,172	22
26	WHOLESALE & INTERNATIONAL Subtotal-WHOLESALE & INT	485	471	394	391	330	327	378	404	384	378	386	485	401	26
27	Co. Use & LUAF	39	36	31	31	27	27	30	32	31	30	32	40	32	27
28	SYSTEM TOTAL THROUGHPUT 6/	3,091	2,847	2,439	2,472	2,147	2,132	2,361	2,504	2,461	2,395	2,536	3,156	2,544	28
TRANSPORTATION AND EXCHANGE															
29	CORE All End Uses	78	81	71	67	59	56	53	57	58	61	71	83	66	29
30	NONCORE All End Uses	1,176	950	900	1,065	1,044	1,136	1,351	1,462	1,422	1,283	1,085	1,174	1,171	30
33	Subtotal-RETAIL	1,254	1,031	971	1,132	1,103	1,192	1,404	1,519	1,480	1,344	1,156	1,258	1,239	33
34	WHOLESALE & INTERNATIONAL All End Uses	485	471	394	391	330	327	378	404	384	378	386	485	401	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,739	1,502	1,365	1,523	1,433	1,518	1,782	1,922	1,864	1,722	1,542	1,742	1,639	35
CURTAILMENT (RETAIL & WHOLESALE)															
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/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2017 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,358 1,353 1,079 950 710 607 568 569 585 665 995 1,420 903

SAN DIEGO GAS & ELECTRIC COMPANY

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
CAPACITY AVAILABLE 1/ & 2/															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	357	330	300	303	260	240	274	325	320	272	275	361	302	5
6	TOTAL SUPPLY TAKEN	357	330	300	303	260	240	274	325	320	272	275	361	302	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	357	330	300	303	260	240	274	325	320	272	275	361	302	8
REQUIREMENTS FORECAST BY END-USE 3/															
9	CORE 4/ Residential	135	133	108	92	66	52	47	47	48	55	91	139	84	9
10	Commercial	62	65	54	51	42	39	36	36	38	39	50	63	48	10
11	Industrial	4	5	5	5	4	4	3	3	3	3	4	4	4	11
12	NGV	5	6	6	6	6	6	6	6	5	6	6	5	6	12
13	Subtotal-CORE	207	208	173	153	117	100	93	92	93	103	150	211	141	13
17	NONCORE Subtotal-NONCORE	147	119	125	147	141	138	179	230	224	166	123	147	158	17
18	Co. Use & LUAF	3	3	2	3	2	2	2	3	3	2	2	3	3	18
19	SYSTEM TOTAL THROUGHPUT	357	330	300	303	260	240	274	325	320	272	275	361	302	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	18	19	17	16	14	13	12	12	12	13	16	18	15	20
21	NONCORE All End Uses	147	119	125	147	141	138	179	230	224	166	123	147	157	21
23	TOTAL TRANSPORTATION & EXCHANGE	165	138	142	163	155	151	191	243	236	179	138	165	173	23
CURTAILMENT															
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/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2018 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

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:

196	196	162	142	107	90	83	83	85	94	140	201	131
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SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2020

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE 1/ & 2/															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	375	339	295	283	239	228	290	318	308	262	264	353	296	5
6	TOTAL SUPPLY TAKEN	375	339	295	283	239	228	290	318	308	262	264	353	296	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	375	339	295	283	239	228	290	318	308	262	264	353	296	8
REQUIREMENTS FORECAST BY END-USE 3/															
9	CORE 4/ Residential	134	127	108	91	65	51	47	47	47	55	90	138	83	9
10	Commercial	62	62	54	51	42	39	36	36	38	39	50	63	48	10
11	Industrial	4	5	5	5	4	4	3	3	3	3	4	4	4	11
12	NGV	5	6	6	6	6	6	6	6	5	6	6	6	6	12
13	Subtotal-CORE	206	200	173	152	117	100	93	92	93	103	150	211	141	13
17	NONCORE Subtotal-NONCORE	166	135	120	129	120	126	195	223	212	157	112	139	153	17
18	Co. Use & LUAF	3	3	2	2	2	2	2	3	3	2	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	375	339	295	283	239	228	290	318	308	262	264	353	296	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	18	19	17	16	14	13	13	13	12	13	16	19	15	20
22	NONCORE All End Uses	166	135	120	129	120	126	195	223	212	157	112	139	153	22
23	TOTAL TRANSPORTATION & EXCHANGE	184	154	138	145	134	139	208	235	224	170	128	158	168	23
CURTAILMENT															
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/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2018 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

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: 195 189 162 142 107 90 83 83 84 93 140 200 130

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2021

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE 1/ & 2/															
1	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	Southern Zone of SoCalGas 1/	574	574	574	574	574	574	574	574	574	574	574	574	574	2
3	TOTAL CAPACITY AVAILABLE	574	574	574	574	574	574	574	574	574	574	574	574	574	3
GAS SUPPLY TAKEN															
4	California Source Gas	0	0	0	0	0	0	0	0	0	0	0	0	0	4
5	Southern Zone of SoCalGas	352	340	278	285	241	241	291	316	295	286	274	349	295	5
6	TOTAL SUPPLY TAKEN	352	340	278	285	241	241	291	316	295	286	274	349	295	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	7
8	TOTAL THROUGHPUT	352	340	278	285	241	241	291	316	295	286	274	349	295	8
REQUIREMENTS FORECAST BY END-USE 3/															
9	CORE 4/ Residential	133	130	107	90	65	51	47	46	47	55	89	136	83	9
10	Commercial	62	64	54	50	42	39	36	36	37	38	50	63	48	10
11	Industrial	4	5	5	4	4	4	3	3	3	3	4	4	4	11
12	NGV	6	6	7	6	6	7	6	7	6	7	6	6	6	12
13	Subtotal-CORE	205	206	172	152	116	100	92	92	93	103	149	210	140	13
17	NONCORE Subtotal-NONCORE	144	131	104	131	123	139	197	221	200	182	123	137	153	17
18	Co. Use & LUAF	3	3	2	2	2	2	2	3	2	2	2	3	2	18
19	SYSTEM TOTAL THROUGHPUT	352	340	278	285	241	241	291	316	295	286	274	349	295	19
TRANSPORTATION AND EXCHANGE															
20	CORE All End Uses	19	20	18	16	14	14	13	13	12	14	16	19	16	20
22	NONCORE All End Uses	144	131	104	131	123	139	197	221	200	182	123	137	153	22
23	TOTAL TRANSPORTATION & EXCHANGE	163	151	122	147	137	153	209	234	212	195	139	155	168	23
CURTAILMENT															
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/ Nominal capacity to receive gas from the Southern Zone of SoCalGas is based on current conditions, and is an annual value based on weighting winter and non-winter season values: 574 = (595 winter) x (151/365) + (560 non-winter) x (214/365).

2/ For 2018 and after, assume capacity at same levels. Actual capacity through the CGR timeframe is subject to change.

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:

194	194	160	141	106	89	83	82	84	93	139	198	130
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