

2019 California Gas Report Supplement



Prepared By the California Gas and Electric Utilities



Decision D.95-01-039
July 2019

2019 CALIFORNIA GAS REPORT SUPPLEMENT

PREPARED BY THE CALIFORNIA GAS AND ELECTRIC UTILITIES

Southern California Gas Company
Pacific Gas and Electric Company
San Diego Gas & Electric Company
Southwest Gas Corporation
City of Long Beach Energy Resources Department

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FOREWORD

The 2019 Annual California Gas Report Supplement was prepared in compliance with California Public Utilities Commission Decision D.95-01-039, approved on January 24, 1995. In addition to requiring respondent utilities to prepare a comprehensive California Gas Report biennially, D.95-01-039 requires the utilities to prepare a supplemental report in odd numbered years. The supplemental report provides recorded data for the previous year.

This 2019 California Gas Report Supplement includes the latest recorded data on gas supply and gas requirements for each of the utilities listed below:

- Southern California Gas Company (SoCalGas)
- Pacific Gas & Electric Company (PG&E)
- San Diego Gas & Electric Company (SDG&E)
- City of Long Beach Energy Resources Department (City of Long Beach)

The report is organized into two sections: Statewide Sources and Disposition and Recorded Actuals. The Recorded Actuals are split into Northern California and Southern California. The Northern California Section provides data for PG&E. The Southern California Section provides data for SoCalGas, the City of Long Beach, and SDG&E.

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STATEWIDE SOURCES AND DISPOSITION SUMMARY

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STATEWIDE SOURCES AND DISPOSITION SUMMARY

The Statewide Sources and Disposition Summary is intended to complement the existing five-year recorded data tables included in the tabular data section of each utility. Please note that Non-Utilities Served Load is defined in this report as the volume of gas, which might have been served by the California Utilities, but is now being served by non-utility entities or non-CPUC jurisdictional pipelines. The Summary does not include electric bypass, or what is commonly referred to as “bypass by wire”.

The information shown on the following Statewide Sources and Disposition Summary tables is based on the utilities’ accounting records and on available gas nomination and preliminary gas transaction information obtained daily from customers or their appointed agents and representatives. It should be noted that data on gas daily nominations are frequently subject to reconciling adjustments. In addition, some of the data are based on allocations and assignments which, by necessity, rely on estimated or preliminary information.

Some columns may not sum exactly because of factored allocations and rounding differences, and do not imply curtailments.

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Recorded 2014 Statewide Sources and Disposition Summary MMcf/Day

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Southern California Gas Company (10)									
Core + UAF (2)	35	426	182	61	226	0	-61	0	869
Noncore Commercial/Industrial EG (3)	27	107	90	98	53	8	27	0	411
EOR	3	11	10	11	6	1	3	0	44
Wholesale/Resale/International (4)	20	122	99	39	125	2	2	0	410
Total	142	891	571	416	522	28	27	0	2,597
Pacific Gas and Electric Company (5)									
Core	0	26	100	328	18	0	0	184	657
Noncore Industrial/Wholesale/EG (6)	49	237	161	428	64	0	57	642	1,638
Total	49	263	261	756	82	0	57	826	2,295
Other Northern California									
Core (7)	12	0	0	0	0	0	0	0	12
Non-Utilities Served Load (8,9)									
Direct Sales/Bypass	588	0	0	0	810	202	0	0	1,600
TOTAL SUPPLIER	791	1,154	832	1,172	1,414	230	84	826	6,504

Notes:

- (1) Includes storage activities, volumes delivered on Questar Southern Trails for SoCalGas and PG&E.
- (2) Includes NGV volumes
- (3) EG includes UEG, COGEN, and FOR Cogen.
- (4) Includes transportation to City of Long Beach, Southwest Gas, City of Vernon, DGN, & SDG&E, as shown.

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
San Diego Gas & Electric Company									
Core	-1	48	36	7	26	2	0	0	117
Noncore Commercial/Industrial	17	48	41	23	73	0	1	0	204
Total	16	96	77	30	99	2	1	0	321
SouthWest Gas									
Core	20	0	0	0	0	0	11	0	20
Noncore Commercial/Industrial	2	0	0	0	0	0	0.4	0	2
Total	22	0	0	0	0	0	12	0	22

- (5) Kern River supplies include net volume flowing over Kern River High Desert interconnect.
- (6) Includes UEG, COGEN, industrial and deliveries to PG&E's wholesale customers.
- (7) Includes Southwest Gas Corporation and Tuscarora deliveries in the Lake Tahoe and Susanville areas.
- (8) Deliveries to end-users by non-CPUC jurisdictional pipelines.
- (9) California production is preliminary.
- (10) Reported volumes for California Sources have been revised to coincide with QFER Reports.

Recorded 2015 Statewide Sources and Disposition Summary MMcf/Day

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Southern California Gas Company (10)									
Core + UAF (2)	-61	447	76	40	225	0	122	0	876
Noncore Commercial/Industrial	124	238	20	16	26	28	74	0	414
EG (3)	7	457	39	30	50	54	142	0	795
EOR	-12	26	2	2	3	3	8	0	46
Wholesale/Resale/International (4)		136	85	29	156	12	10	0	428
Total	122	1,305	223	117	461	97	357	0	2,559
Pacific Gas and Electric Company (5)									
Core	0	23	124	345	12	0	0	207	711
Noncore Industrial/Wholesale/EG (6)	37	216	145	798	81	0	56	551	1,884
Total	37	239	269	1,143	186	0	56	758	2,595
Other Northern California									
Core (7)	11	0	0	0	0	0	0	0	11
Non-Utilities Served Load (8,9)									
Direct Sales/Bypass	523	0	0	0	697	14	0	0	1,234
TOTAL SUPPLIER	693	1,544	491	1,260	1,344	111	413	758	6,399

Notes:

- (1) Includes storage activities, volumes delivered on Questar Southern Trails for SoCalGas and PG&E.
- (2) Includes NGV volumes
- (3) EG includes UEG, COGEN, and EOR Cogen.
- (4) Includes transportation to City of Long Beach, Southwest Gas, City of Vernon, DGN, & SDG&E, as shown.

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
San Diego Gas & Electric Company									
Core	-8	68	16	7	26	0	7	0	116
Noncore Commercial/Industrial	-2	39	51	16	97	9	1	0	211
Total	-10	107	67	23	123	9	8	0	327
SouthWest Gas									
Core	21	0	0	0	0	0	11	0	37
Noncore Commercial/Industrial	2	0	0	0	0	0	0	0	2
Total	23	0	0	0	0	0	12	0	39

- (5) Kern River supplies include net volume flowing over Kern River High Desert interconnect.
- (6) Includes UEG, COGEN, industrial and deliveries to PG&E's wholesale customers.
- (7) Includes Southwest Gas Corporation and Tuscarora deliveries in the Lake Tahoe and Susanville areas.
- (8) Deliveries to end-users by non-CPUC jurisdictional pipelines.
- (9) California production is preliminary.
- (10) Reported volumes for California Sources have been revised to coincide with QFER Reports.

Recorded 2016 Statewide Sources and Disposition Summary MMcf/Day

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Southern California Gas Company (10)									
Core + UAF (2)	86	417	114	48	196	0	31	0	892
Noncore Commercial/Industrial	1	95	95	39	194	1	24	0	450
EG (3)	1	156	157	64	319	2	40	0	740
EOR	0	8	8	3	17	0	2	0	39
Wholesale/Resale/International (4)	1	82	83	34	168	1	21	0	390
Total	89	759	457	189	895	4	118	0	2,511
Pacific Gas and Electric Company (5)									
Core	0	40	84	318	0	0	0	194	636
Noncore Industrial/Wholesale/EG (6)	33	198	100	837	30	0	15	400	1,613
Total	33	238	184	1,155	30	0	15	594	2,249
Other Northern California									
Core (7)	22	0	0	0	0	0	12	0	34
Non-Utilities Served Load (8,9)									
Direct Sales/ Bypass	429	0	0	0	697	14	0	0	1,140
TOTAL SUPPLIER	573	997	641	1,344	1,622	18	145	594	5,934

Notes:

- (1) Includes storage activities, volumes delivered on Questar Southern Trails for SoCalGas and PG&E.
- (2) Includes NGV volumes
- (3) EG includes UEG, COGEN, and EOR Cogen.
- (4) Includes transportation to City of Long Beach, Southwest Gas, City of Vernon, DGN, & SDG&E, as shown.

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
San Diego Gas & Electric Company									
Core	11	56	15	6	26	0	4	0	119
Noncore Commercial/Industrial	0	36	36	15	74	0	9	0	171
Total	11	92	51	21	100	0	13	0	290
SouthWest Gas									
Core	22	0	0	0	0	0	12	0	34
Noncore Commercial/Industrial	2	0	0	0	0	0	0	0	2
Total	24	0	0	0	0	0	12	0	36

- (5) Kern River supplies include net volume flowing over Kern River High Desert interconnect.
- (6) Includes UEG, COGEN, industrial and deliveries to PG&E's wholesale customers.
- (7) Includes Southwest Gas Corporation and Tuscarora deliveries in the Lake Tahoe and Susanville areas.
- (8) Deliveries to end-users by non-CPUC jurisdictional pipelines.
- (9) California production is preliminary.
- (10) Reported volumes for California Sources have been revised to coincide with QFER Reports.

Recorded 2017 Statewide Sources and Disposition Summary MMcf/Day

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Southern California Gas Company (10)									
Core + UAF (2)	100	443	127	54	208	0	-27	0	905
Noncore Commercial/Industrial EG (3)	-4	99	79	42	199	11	20	0	446
FOR	-7	158	127	66	318	18	33	0	713
Wholesale/Resale/International (4)	0	9	7	4	17	1	2	0	39
	-4	89	71	37	179	10	18	0	401
Total	84	798	411	203	922	40	46	0	2,504
Pacific Gas and Electric Company (5)									
Core	0	18	65	319	-1	0	0	179	580
Noncore Industrial/Wholesale/EG (6)	29	208	99	840	34	0	12	420	1,642
Total	29	226	164	1,159	33	0	12	599	2,222
Other Northern California									
Core (7)	22	0	0	0	0	0	12	0	34
Non-Utilities Served Load (8,9)									
Direct Sales/Bypass	447	28	0	0	607	20	0	0	1,102
TOTAL SUPPLIER	582	1,052	575	1,362	1,562	60	70	599	5,862

Notes:

- (1) Includes storage activities, volumes delivered on Questar Southern Trails for SoCalGas and PG&E.
- (2) Includes NGV volumes
- (3) EG includes UEG, COGEN, and FOR Cogen.
- (4) Includes transportation to City of Long Beach, Southwest Gas, City of Vernon, DGN, & SDG&E, as shown.

San Diego Gas & Electric Company

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Core	14	61	17	7	28	0	-4	0	124
Noncore Commercial/Industrial	-2	39	31	16	78	4	8	0	175
Total	38	108	61	14	73	0	4	0	299

SouthWest Gas

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Core	22	0	0	0	0	0	12	0	34
Noncore Commercial/Industrial	1.6	0	0	0	0	0	0	0	2
Total	26	0	0	0	0	0	12	0	36

- (5) Kern River supplies include net volume flowing over Kern River High Desert interconnect.
- (6) Includes UEG, COGEN, industrial and deliveries to PG&E's wholesale customers.
- (7) Includes Southwest Gas Corporation and Tuscarora deliveries in the Lake Tahoe and Susanville areas.
- (8) Deliveries to end-users by non-CFUC jurisdictional pipelines.
- (9) California production is preliminary.
- (10) Reported volumes for California Sources have been revised to coincide with QFER Reports.

Recorded 2018 Statewide Sources and Disposition Summary MMcf/Day

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
Southern California Gas Company (10)									
Core + UAF (2)	158	439	103	37	173	0	-2	0	908
Noncore Commercial/Industrial	-17	99	33	58	266	2	8	0	448
EG (3)	-23	136	45	79	365	2	11	0	615
EOB	-1	8	3	5	23	0	1	0	38
Wholesale/Resale/International (4)	-13	73	25	43	198	1	6	0	333
Total	104	755	209	222	1,024	5	23	0	2,342
Pacific Gas and Electric Company (5)									
Core	0	3	55	303	-4	0	0	165	522
Noncore Industrial/Wholesale/EG (6)	28	212	221	966	16	0	0	355	1,798
Total	28	215	276	1,269	12	0	0	520	2,320
Other Northern California									
Core (7)	22	0	0	0	0	0	12	0	34
Non-Utilities Served Load (8,9)									
Direct Sales/Bypass	411	0	0	0	0	0	0	0	411
TOTAL SUPPLIER	565	970	485	1,491	1,036	5	35	520	5,107

Notes:

- (1) Includes storage activities, volumes delivered on Questar Southern Trails for SoCalGas and PG&E.
- (2) Includes NGV volumes
- (3) EG includes UEG, COGEN, and EOR Cogen.
- (4) Includes transportation to City of Long Beach, Southwest Gas, City of Vernon, DGN, & SDG&E, as shown.

	California Sources	El Paso	Trans western	GTN	Kern River	Mojave (10)	Other (1)	Ruby	Total
San Diego Gas & Electric Company									
Core	22	61	14	5	24	0	0	0	127
Noncore Commercial/Industrial	-4	25	8	14	66	0	2	0	112
Total	30	92	46	12	57	0	3	0	239
SouthWest Gas									
Core	22	0	0	0	0	0	12	0	34
Noncore Commercial/Industrial	2.4	0	0	0	0	0	0	0	2
Total	24	0	0	0	0	0	12	0	36

- (5) Kern River supplies include net volume flowing over Kern River High Desert interconnect.
- (6) Includes UEG, COGEN, industrial and deliveries to PG&E's wholesale customers.
- (7) Includes Southwest Gas Corporation and Tuscarora deliveries in the Lake Tahoe and Susanville areas.
- (8) Deliveries to end-users by non-CPUC jurisdictional pipelines.
- (9) California production is preliminary.
- (10) Reported volumes for California Sources modified to coincide with QFER Reports.

STATEWIDE RECORDED HIGHEST SENDOUT

The table below summarizes the highest sendout days by the state in the summer and winter periods from the last five years. Daily sendout from Southern California Gas Company, Pacific Gas & Electric and from customers not served by these utilities were used to construct the following tables.

Estimated California Highest Summer Sendout (MMcf/d)

Year	Date	PG&E ⁽¹⁾	SoCal Gas ⁽²⁾	Utility Total ⁽⁴⁾	Non-Utility ⁽³⁾	State Total
2014	09/16/2014	2,683	3,488	6,171	1,523	7,694
2015	09/10/2015	2,787	3,601	6,388	1,407	7,795
2016	07/28/2016	2,867	3,136	6,003	1,356	7,359
2017	08/28/2017	2,602	3,484	6,086	1,416	7,502
2018	07/24/2018	2,925	2,926	5,851	1,410	7,261

Estimated California Highest Winter Sendout (MMcf/d)

Year	Date	PG&E ⁽¹⁾	SoCal Gas ⁽²⁾	Utility Total ⁽⁴⁾	Non-Utility ⁽³⁾	State Total
2014	12/31/2014	3,429	4,325	7,754	1,465	9,219
2015	12/29/2015	3,626	4,036	7,662	1,311	8,973
2016	02/02/2016	3,397	3,838	7,235	1,285	8,520
2017	12/21/2017	3,665	3,456	7,121	1,259	8,380
2018	02/20/2018	3,527	3,621	7,148	1,378	8,526

Notes:

- (1) PG&E Pipe Ranger.
- (2) SoCalGas Envoy.
- (3) Source: Provided by the CEC. Data are from DOGGR, Monthly Oil and Gas Production and Injection Report. Nonutility Demand equals Kern-Mojave and California monthly average total flows less PG&E and SoCal Gas peak day supply from Kern-Mojave and California in-state production.
- (4) PG&E and SoCalGas sendouts are reported for the day on which the Utility Total sendout is maximum for the respective seasons each year. For each calendar year, Winter months are Jan, Feb, Mar, Nov and Dec; while Summer months are Apr, May, Jun, Jul, Aug, Sep and Oct.

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RECORDED ACTUALS

RECORDED ACTUALS

Recorded data for 2014 to 2018 are shown in the following tables in millions of cubic feet per day (MMcf/day). Additional information on gas requirements are indicated as follows:

- Some columns may not sum precisely because of modeling accuracy and rounding and do not imply curtailments.
- For PG&E, the recorded data show supplies, requirements, and gas sendout within the PG&E service area. Therefore, supplies delivered through PG&E to Southern California utilities are not included in PG&E's data.
- The total gas requirements and supplies in the Recorded Actuals section do not include gas volumes served by non-utility entities.

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NORTHERN CALIFORNIA RECORDED ACTUALS

Pacific Gas and Electric Company

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PG&E ANNUAL GAS SUPPLY AND REQUIREMENTS
RECORDED YEARS 2011-2016 IN MMCF / DAY

LINE		2014	2015	2016	2017	2018
GAS SUPPLY TAKEN						
CALIFORNIA SOURCE GAS						
1	Core Purchases	0	0	0	0	0
2	Customer Gas Transport & Exchange	49	37	33	29	28
3	Total California Source Gas	49	37	33	29	28
OUT-OF-STATE GAS						
Core Net Purchases						
6	Rocky Mountain Gas	202	219	194	178	161
7	U.S. Southwest Gas	126	147	124	84	58
8	Canadian Gas	328	345	318	319	303
Customer Gas Transport						
10	Rocky Mountain Gas	763	689	445	461	367
11	U.S. Southwest Gas	398	360	298	304	430
12	Canadian Gas	428	798	837	832	957
13	Total Out-of-State Gas	2,247	2,558	2,217	2,178	2,276
14	STORAGE WITHDRAWAL ⁽²⁾	344	238	260	328	397
15	Total Gas Supply Taken	2,640	2,833	2,510	2,534	2,701
GAS SENDOUT						
CORE						
19	Residential	437	450	461	483	489
20	Commercial	207	209	214	220	225
21	NGV	7	8	8	7	7
22	Total Throughput-Core	651	667	683	710	721
NONCORE						
24	Industrial	533	534	544	543	562
25	Electric Generation ⁽¹⁾	990	1,025	783	698	855
26	NGV	1	1	1	2	3
27	Total Throughput-Noncore	1,524	1,560	1,329	1,244	1,421
28	WHOLESALE	8	8	8	9	9
29	Total Throughput	2,183	2,235	2,020	1,963	2,151
30	OFF-SYSTEM DELIVERIES ⁽⁴⁾		251	217	233	264
31	CALIFORNIA EXCHANGE GAS	0	1	1	1	1
32	STORAGE INJECTION ⁽²⁾	425	291	231	294	244
33	SHRINKAGE Company Use / Unaccounted for	32	56	42	44	41
34	Total Gas Send Out	2,640	2,833	2,510	2,534	2,701
TRANSPORTATION & EXCHANGE						
38	CORE					
		ALL END USES	144	142	141	139
39	NONCORE					
		INDUSTRIAL	533	534	544	543
40		ELECTRIC GENERATION	990	1025	783	698
41		SUBTOTAL/RETAIL	1,666	1,701	1,469	1,380
43		WHOLESALE/INTERNATIONAL	8	8	8	9
45	TOTAL TRANSPORTATION AND EXCHANGE		1,674	1,709	1,477	1,389
CURTAILMENT/ALTERNATIVE FUEL BURNS						
48	Residential, Commercial, Industrial	0	0	0	0	0
49	Utility Electric Generation	0	0	0	0	0
50	TOTAL CURTAILMENT ⁽³⁾	0	0	0	0	0

NOTES:

- (1) Electric generation includes SMUD, cogeneration, PG&E-owned electric generation, and deliveries to power plants connected to the PG&E system. It excludes deliveries by other pipelines.
- (2) Includes both PG&E and third party storage
- (3) UEG curtailments include voluntary oil burns due to economic, operational, and inventory reduction reasons as well as involuntary curtailments due to supply shortages and capacity constraints.
- (4) For years 2012 through 2014, Total gas send-out excludes off-system transportation; off-system deliveries are subtracted from supply total.

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SOUTHERN CALIFORNIA RECORDED ACTUALS

Southern California Gas Company
City of Long Beach Energy Resources Department
San Diego Gas & Electric Company

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SOUTHERN CALIFORNIA GAS COMPANY
ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY
RECORDED YEARS 2014 TO 2018

<u>Line</u>	<u>CAPACITY AVAILABLE</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
1	California Source Gas					
	<u>Out-of-State Gas</u>					
2	California Offshore -POPCO / PIOC					
3	El Paso Natural Gas Co.					
4	Transwestern Pipeline Co.					
5	Kern / Mojave					
6	PGT / PG&E					
7	Other					
8	Total Out-of-State Gas					
9	TOTAL CAPACITY AVAILABLE					
	<u>GAS SUPPLY TAKEN</u>					
10	California Source Gas	143	122	89	84	104
	<u>Out-of-State Gas</u>					
11	Other Out-of-State	2,538	2,397	2,342	2,434	2,246
12	Total Out-of-State Gas	2,538	2,397	2,342	2,434	2,246
13	TOTAL SUPPLY TAKEN	2,681	2,519	2,431	2,518	2,350
14	Net Underground Storage Withdrawal	(63)	40	80	(14)	(8)
15	TOTAL THROUGHPUT (1)(2)	2,618	2,559	2,511	2,504	2,342
	<u>DELIVERIES BY END-USE</u>					
16	Core Residential	541	548	557	565	569
17	Commercial	202	207	213	214	217
18	Industrial	58	58	55	55	57
19	NGV	33	35	36	38	40
20	Subtotal	834	848	861	872	883
21	Noncore Commercial	53	52	57	56	59
22	Industrial	379	362	391	389	389
23	EOR Steaming	44	46	39	39	38
24	Electric Generation	863	795	740	713	615
25	Subtotal	1,339	1,255	1,228	1,198	1,102
26	Wholesale/International	410	428	390	401	333
27	Co. Use & LUAF	35	28	31	33	25
28	SYSTEM TOTAL-THROUGHPUT (1)(2)	2,618	2,559	2,511	2,504	2,342
	<u>TRANSPORTATION AND EXCHANGE</u>					
29	Core All End Uses	49	52	56	62	71
30	Noncore Commercial/Industrial	432	414	449	446	448
31	EOR Steaming	44	46	39	39	38
32	Electric Generation	863	795	740	713	622
33	Subtotal-Retail	1,388	1,307	1,284	1,260	1,181
34	Wholesale/International	410	428	390	401	333
35	TOTAL TRANSPORTATION & EXCHANGE	1,798	1,735	1,674	1,660	1,513
36	CURTAILMENT (3)					
37	REFUSAL					
38	Total BTU Factor (Dth/Mcf)	1.0300	1.0353	1.0345	1.0343	1.0319

NOTES:

- (1) The wholesale volumes only reflect natural gas supplied by SoCalGas; and, do not include supplies from other sources. Refer to the supply source data provided in each utility's report for a complete accounting of their supply sources.
- (2) Deliveries by end-use includes sales, transportation, and exchange volumes and data includes effect of prior period adjustments.
- (3) The table does not explicitly show any curtailment numbers for the recorded years because, during some curtailment events, the estimate of the curtailed volume is not available. While the table does not explicitly show any curtailment numbers for the recorded years, the noncore customer usage data implicitly captures the effects of any curtailment events.

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CITY OF LONG BEACH - ENERGY RESOURCES DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY RECORDED YEARS 2013 THRU 2017

LINE	GAS SUPPLY AVAILABLE	2014	2015	2016	2017	2018
	California Source Gas					
1	Regular Purchases	-	-	-	-	-
2	Received for Exchange/Transport	-	-	-	-	-
3	Total California Source Gas	-	-	-	-	-
4	Purchases from Other Utilities	-	-	-	-	-
	Out-of-State Gas					
5	Pacific Interstate Companies	-	-	-	-	-
6	Additional Core Supplies	-	-	-	-	-
7	Incremental Supplies	-	-	-	-	-
8	Out-of-State Transport	-	-	-	-	-
9	Total Out-of-State Gas	-	-	-	-	-
10	Subtotal	-	-	-	-	-
11	Underground Storage Withdrawal	-	-	-	-	-
12	GAS SUPPLY AVAILABLE	-	-	-	-	-
	GAS SUPPLY TAKEN					
	California Source Gas					
13	Regular Purchases	2.4	0.7	0.9	0.6	0.6
14	Received for Exchange/Transport	0	0	0	0	0
15	Total California Source Gas	2.4	0.7	0.9	0.6	0.6
16	Purchases from Other Utilities	-	-	-	-	-
	Out-of-State Gas					
17	Pacific Interstate Companies	-	-	-	-	-
18	Additional Core Supplies	-	-	-	-	-
19	Incremental Supplies	19.2	21.9	22.8	24.6	23.9
20	Out-of-State Transport	-	-	-	-	-
21	Total Out-of-State Gas	19.2	21.9	22.8	24.6	23.9
22	Subtotal	21.5	22.5	23.7	25.2	24.5
23	Underground Storage Withdrawal	-	-	-	-	-
24	TOTAL Gas Supply Taken & Transported	21.5	22.5	23.7	25.2	24.5

CITY OF LONG BEACH - ENERGY RESOURCES DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY
RECORDED YEARS 2013 THRU 2017

LINE	ACTUAL DELIVERIES BY END-USE		2014	2015	2016	2017	2018	LINE
1	CORE	Residential	11.5	11.9	11.9	11.8	12.1	1
2	CORE/NONCORE	Commercial	5.4	5.4	5.8	6.0	6.0	2
3	CORE/NONCORE	Industrial	3.3	3.7	3.9	4.7	4.3	3
4		Subtotal	20.3	20.9	21.6	22.5	22.4	4
5	NON CORE	Non-EOR Cogeneration	0.9	1.2	1.9	2.2	1.9	5
6		EOR Cogen. & Steaming	-	-	-	-	-	6
7		Electric Utilities	-	-	-	-	-	7
8		Subtotal	0.9	1.2	1.9	2.2	1.9	8
9	WHOLESALE	Residential	-	-	-	-	-	9
10		Com. & Ind., others	-	-	-	-	-	10
11		Electric Utilities	-	-	-	-	-	11
12		Subtotal-WHOLESALE	-	-	-	-	-	12
13		Co. Use & LUAF	0.4	0.4	0.2	0.5	0.2	13
14		Subtotal-END USE	21.5	22.5	23.7	25.1	24.5	14
15		Storage Injection	-	-	-	-	-	15
16		SYSTEM TOTAL-THROUGHPUT	21.5	22.5	23.7	25.1	24.5	16
ACTUAL TRANSPORTATION AND EXCHANGE								
17		Residential	N/A	N/A	N/A	N/A	N/A	17
18		Commercial/Industrial	2.3	2.3	2.6	2.9	3.0	18
19		Non-EOR Cogeneration	0.8	1.1	1.8	2.0	1.9	19
20		EOR Cogen. & Steaming	N/A	N/A	N/A	N/A	N/A	20
21		Electric Utilites	N/A	N/A	N/A	N/A	N/A	21
22		Subtotal-RETAIL	3.1	3.4	4.3	5.0	4.9	22
23	WHOLESALE	All End Uses	-	-	-	-	-	23
24		TOTAL TRANSPORTATION & EXCHANGE	3.1	3.4	4.3	5.0	4.9	24
ACTUAL CURTAILMENT								
25		Residential	-	-	-	-	-	25
26		Commercial/Industrial	-	-	-	-	-	26
27		Non-EOR Cogeneration	-	-	-	-	-	27
28		EOR Cogen. & Steaming	-	-	-	-	-	28
29		Electric Utilites	-	-	-	-	-	29
30		Wholesale	-	-	-	-	-	30
31		TOTAL- Curtailment	-	-	-	-	-	31
32	REFUSAL		-	-	-	-	-	32

NOTE: Actual deliveries by end-use includes sales, transportation, and exchange volumes, but excludes actual curtailments.

SAN DIEGO GAS & ELECTRIC COMPANY

ANNUAL GAS SUPPLY AND SENDOUT (MMCF/DAY)
RECORDED YEARS 2014-2018

LINE	Actual Deliveries by End-Use		2014	2015	2016	2017	2018
1	CORE	Residential	68	67	71	72	70
2		Commercial	49	49	51	52	54
3		Industrial	0	0	-	-	-
4	Subtotal -	CORE	117	116	122	124	124
5	NONCORE	Commercial	0	0	-	-	-
6		Industrial	11	11	12	11	12
7		Non-EOR Cogen/EG	72	74	60	71	51
8		Electric Utilities	121	126	99	92	49
9	Subtotal -	NONCORE	204	211	171	174	112
10	WHOLESALE	All End Uses	0	0	-	-	-
11	Subtotal -	Co Use & LUAF	2	9	(3)	1	3
12	SYSTEM TOTAL THROUGHPUT		323	336	290	299	239
Actual Transport & Exchange							
13	CORE	Residential	1	1	1	1	1
14		Commercial	11	12	13	13	14
15	NONCORE	Industrial	11	11	12	11	12
16		Non-EOR Cogen/EG	72	74	60	71	51
17		Electric Utilities	121	126	99	92	49
18	Subtotal -	RETAIL	216	224	185	188	127
19	WHOLESALE	All End Uses	0	0	-	-	-
20	TOTAL TRANSPORT & EXCHANGE		216	224	185	188	127
Storage							
21		Storage Injection	0	0	-	-	-
22		Storage Withdrawal	0	0	-	-	-
Actual Curtailment							
23		Residential	0	0	-	-	-
24		Com/Indl & Cogen	0	0	-	-	-
25		Electric Generation	0	0	-	-	-
26	TOTAL CURTAILMENT		0	0	-	-	-
27	REFUSAL		0	0	-	-	-
ACTUAL DELIVERIES BY END-USE includes sales and transportation volumes							
		MMbtu/Mcf:	1.035	1.040	1.036	1.040	1.038

SDG&E Annual Gas Supply Taken

SAN DIEGO GAS & ELECTRIC COMPANY
 ANNUAL GAS SUPPLY TAKEN (MMCF/DAY)
 RECORDED YEARS 2014-2018

<u>LINE</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
CAPACITY AVAILABLE					
1	California Sources				
	<u>Out of State gas</u>				
2	California Offshore (POPCO/PIOC)				
3	El Paso Natural Gas Company				
4	Transwestern Pipeline company				
5	Kern River/Mojave Pipeline Company				
6	TransCanada GTN/PG&E				
7	Other				
8	TOTAL Output of State				
9	Underground storage withdrawal				
10	TOTAL Gas Supply available				

<u>Gas Supply Taken</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	
California Source Gas						
11	Regular Purchases	0	0	0	0	0
12	Received for Exchange/Transport	0	0	0	0	0
13	Total California Source Gas	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
14	Purchases from Other Utilities	0	0	0	0	0
Out-of-State Gas						
15	Pacific Interstate Companies	0	0	0	0	0
16	Additional Core Supplies	0	0	0	0	0
17	Supplemental Supplies-Utility	107	112	105	111	112
18	Out-of-State Transport-Others	216	224	185	188	127
19	Total Out-of-State Gas	<u>323</u>	<u>336</u>	<u>290</u>	<u>299</u>	<u>239</u>
20	TOTAL Gas Supply Taken & Transported	323	336	290	299	239
	(MMCFD)					

2019 CALIFORNIA GAS REPORT SUPPLEMENT

CALIFORNIA NATURAL GAS STORAGE OVERVIEW

CALIFORNIA NATURAL GAS STORAGE CAPACITIES YEAR 2018

Northern California	Inventory (Bcf)	Injection (MMcf/d)	Withdrawal (MMcf/d)	Cite
Independent Storage Providers				
Lodi Gas Storage	30	550	750	1
Wild Goose Storage	75	525	950	2
Gill Ranch	20	650	650	3
Central Valley	11	300	300	4
Pacific Gas & Electric Company Utility Storage **	102	557	2,150	5
Northern California Total	238	2,582	4,800	
Southern California				
Southern California Gas Company Utility Storage	138	915	3,175	6
California Total	376	3,497	7,975	

Citations:

- (1) <https://www.rockpointgs.com/lodi.html>. April 5, 2019
- (2) <https://www.rockpointgs.com/wild-goose.html>. April 5, 2019
- (3) http://www.cpuc.ca.gov/environment/info/mha/gillranch/pea/05_section_3_project_description.pdf
- (4) <http://pivotalenergydev.com/commercial-operations/cvgs-operations>
- (5) A.17-11-009, Table 6-5, page 6-11 PG&E's 2019 Gas Transmission and Storage Rate Case Application A.17-11-009, Chapter 6 of PG&E's Prepared Testimony, pp 6-11, Table 6-5, PG&E Storage Field Statistical Summary
- (6) Per the current Triennial Cost Allocation Proceeding, Phase I Decision D.16-06-039

**PG&E's Firm Maximum Inventory Level

2019 CALIFORNIA GAS REPORT SUPPLEMENT

RESPONDENTS

RESPONDENTS

The following utilities have been designated by the California Public Utilities Commission as respondents in the preparation of the *2019 California Gas Report*.

- Southern California Gas Company
- Pacific Gas & Electric Company
- San Diego Gas & Electric Company
- City of Long Beach Energy Resources Department
- Southwest Gas Corporation

A statewide committee has been formed by the respondents and cooperating utilities to prepare this report. The following individuals served on this committee:

Working Committee:

- Rose-Marie Payan--SoCalGas/SDG&E
- Sharim Chaudhury--SoCalGas/SDG&E
- Scott Wilder--SoCalGas/SDG&E
- Johanna Fors--PG&E
- Todd Peterson--PG&E
- Kimberly Chang--PG&E
- Kurtis Foster--SoCalGas
- Michelle Dandridge--SoCalGas
- Robert Fiola--SoCalGas
- Nasim Ahmed--SoCalGas
- Anna Haritounian--SoCalGas
- Michelle Clay-Ijomah--SDG&E
- Martin Lazarus--SoCalGas
- Nancy Thom--SoCalGas

Observers:

- Jean Spencer--CPUC Energy Division
- Robert Gulliksen--California Energy Commission

RESERVE YOUR SUBSCRIPTION

2020 CALIFORNIA GAS REPORT

Pacific Gas and Electric Company

2020 CGR Reservation Form

C/O Kimberly Chang

77 Beale Street

Mail code B23A

San Francisco, CA 94105

or

Email: Kimberly Chang at

Kimberly.Chang@pge.com

- Send me a 2020 California Gas Report
- New subscriber
- Change of address

Company Name: _____

C/O: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ Fax: (_____) _____

Also, please visit our website at: www.pge.com

RESERVE YOUR SUBSCRIPTION

2020 CALIFORNIA GAS REPORT

Southern California Gas Company

2020 CGR Reservation Form

C/O Sharim Chaudhury

555 West Fifth Street

Mail Location GT14D6

Los Angeles, CA 90013

or

Email: Sharim Chaudhury at
IChaudhury@semprautilities.com

- Send me a 2020 California Gas Report
- New subscriber
- Change of address

Company Name: _____

C/O: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (_____) _____ Fax: (_____) _____

Also, please visit our website at: www.socalgas.com
www.sdge.com

