Workpapers of Chapter 5b (Wei Bin Guo)

Application: A.22-09-015

SoCalGas and SDG&E

2024 Cost Allocation Proceeding

(NONCORE AND CONSOLIDATED DEMAND FORECASTS)

Errata (Redlined) - September 8, 2023

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SoCalGas Consolidated Gas Demand

Marginal Demand Measures (MDM)

Marginal Demand Measures (MDMs) are used for rate design and cost allocation calculations. Figure 1, below, shows the relationships among the various MDMs that are provided in the accompanying tables.

Figure 1

Diagram Depicting the Relationships

Among "Direct" and "Cumulative" MDMs

Direct Basis	**D_T**	T (Transmission)		
	D_H	H (High Pressure)	H (High Pressure)	
	D_M	M (Medium Pressure)	M (Medium Pressure)	M (Medium Pressure)
		$C_T = D_T + D_H + D_M$	**$C_H = D_H + D_M$**	**$C_M = D_M$**
		Cumulative Basis		

For example, the MDM data in the tables below for Noncore C&I (G-30), Average Year throughput gas demand have *direct* values for various segments of pressure service:

D_T = 750,680 MTh, D_H = 602,390 MTh, and D_M = 291,895 MTh.

The corresponding *cumulative* totals are:

C_T = 1,644,965 MTh, C_H = 894,285 MTh, and C_M = 291,895 MTh,

using the formulas indicated in the Figure 1, above.

2024 CAP: SoCalGas
Consolidated Gas Demand
Forecast Summary (Mtherms)

Btu Factor:	1.0322

Co-Use-Fuel	UAF
0.275%	0.787%
0.278%	0.795%

MDM #Yrs Av (3- or 4-yr)
4

Forecast Summary	MDM	Residential	Nonresidential Core G-10	G-AC	G-GE	G-NGV	Total Core
<< CAP Period >> January 2024 - December 2027							
DIRECT (%'s Load or Cust/Mtrs Sum to 100%)							
Transmission	%-Load:	0.004%	0.81%	0.00%	4.69%	12.91%	
	Average Year Throughput (MTh)	84	7,167	0	930	21,573	29,754
	Cold Year Throughput (1-in-35) (MTh)	91	7,426	0	930	21,573	30,019
	Cold Year Peak Month (December) (MTh)	14	835	0	42	1,918	2,809
	Peak Day (see note a/ below) (MTh)	1	43	-	1	62	107
	%-Cust/Mtrs:	0.0004%	0.0318%	0.00%	2.53%	2.62%	
	Number of Customers	22	65	-	17	10	114
High Pressure	%-Load:	0.38%	4.95%	0.00%	14.00%	38.89%	
	Average Year Throughput (MTh)	8,376	43,597	0	2,777	64,971	119,721
	Cold Year Throughput (1-in-35) (MTh)	9,051	45,171	0	2,777	64,971	121,970
	Cold Year Peak Month (December) (MTh)	1,370	5,078	0	126	5,778	12,351
	Peak Day (see note a/ below) (MTh)	85	260	-	4	186	535
	%-Cust/Mtrs:	0.1163%	0.4713%	0.00%	19.06%	18.0233%	
	Number of Customers	6,806	957	-	127	68	7,958
Medium Pressure	%-Load:	99.61%	94.23%	100.00%	81.31%	48.20%	
	Average Year Throughput (MTh)	2,177,523	829,555	140	16,124	80,539	3,103,882
	Cold Year Throughput (1-in-35) (MTh)	2,353,168	859,504	140	16,124	80,539	3,309,475
	Cold Year Peak Month (December) (MTh)	356,085	96,621	9	730	7,162	460,606
	Peak Day (see note a/ below) (MTh)	22,176	4,940	0	24	231	27,371
	%-Cust/Mtrs:	99.8833%	99.4969%	100.00%	78.41%	79.3605%	
	Number of Customers	5,846,860	202,000	5	523	299	6,049,687

2024 CAP: SoCalGas
Consolidated Gas Demand
Forecast Summary (Mtherms)

Btu Factor:	**1.0322**

Co-Use-Fuel	UAF
0.275%	**0.787%**
0.278%	**0.795%**

MDM #Yrs Av (3- or 4-yr)
4

Forecast Summary	MDM		Nonresidential Core				Total
		Residential	G-10	G-AC	G-GE	G-NGV	**Core**
<< CAP Period >> January 2024 - December 2027							
CUMULATIVE (Calc'd from DIRECT %'s)							
Transmission	%-Load:	100.00%	100.00%	100.00%	100.00%	100.00%	
	Average Year Throughput (MTh)	2,185,983	880,320	140	19,830	167,083	**3,253,356**
	Cold Year Throughput (1-in-35) (MTh)	2,362,310	912,101	140	19,830	167,083	**3,461,465**
	Cold Year Peak Month (December) (MTh)	357,468	102,533	9	898	14,858	**475,766**
	Peak Day (see note a/ below) (MTh)	22,262	5,242	0	29	479	**28,013**
	%-Cust/Mtrs:	100.00%	100.00%	100.00%	100.00%	100.00%	
	Number of Customers	5,853,689	203,022	5	667	376	**6,057,758**
High Pressure	%-Load:	100.00%	99.19%	100.00%	95.31%	87.09%	
	Average Year Throughput (MTh)	2,185,899	873,152	140	18,900	145,510	**3,223,602**
	Cold Year Throughput (1-in-35) (MTh)	2,362,220	904,675	140	18,900	145,510	**3,431,446**
	Cold Year Peak Month (December) (MTh)	357,454	101,699	9	856	12,940	**472,957**
	Peak Day (see note a/ below) (MTh)	22,261	5,199	0	28	417	**27,906**
	%-Cust/Mtrs:	100.00%	99.97%	100.00%	97.47%	97.38%	
	Number of Customers	5,853,666	202,957	5	650	366	**6,057,644**
Medium Pressure	%-Load:	99.61%	94.23%	100.00%	81.31%	48.20%	
	Average Year Throughput (MTh)	2,177,523	829,555	140	16,124	80,539	**3,103,882**
	Cold Year Throughput (1-in-35) (MTh)	2,353,168	859,504	140	16,124	80,539	**3,309,475**
	Cold Year Peak Month (December) (MTh)	356,085	96,621	9	730	7,162	**460,606**
	Peak Day (see note a/ below) (MTh)	22,176	4,940	0	24	231	**27,371**
	%-Cust/Mtrs:	99.88%	99.50%	100.00%	78.41%	79.36%	
	Number of Customers	5,846,860	202,000	5	523	299	**6,049,687**

Note: a/ **Core HDD-sensitive markets (Res & G10) at 1-in-35 extreme peak-day design temp.; Noncore HDD-sensitive markets (G30-Com) at 1-in-10 cold day design temp.; Refinery is at connected load; UEG/EWG & Large CoGen peak daily load in month of December for Base Hydro water year; all other market segments at average daily load in December month.**

	A	B	C	D	E	N	O	P	Q	R	S	T	U	V	W	X
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**															
2																
3																
4																
5																
6		**MDM #Yrs Av (3- or 4-yr)**														
7		**4**														
8																
9	**Forecast Summary**		**MDM**					**Noncore - C&I**	**EG-Dist**	**EG-Trans**	**EG-Dist**	**EG-Trans**	**Noncore - Electric Generatiion**			
10						**G-30 Dist**	**G-30 Trans**	**G-30**	**EG (<3MMThms)**	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (>=3MMThms)**	**EG (<3MMThms)**	**(>=3MMThms)**	**EG (Total)**	
11	<< CAP Period >> January 2024 - December 2027															
12	**DIRECT (%'s Load or Cust/Mtrs Sum to 100%)**															
13	Transmission		%-Load:													
14			Average Year Throughput (MTh)			0	750,680	750,680	0	7,305	0	1,793,664	7,305	1,793,664	1,800,969	
15			Cold Year Throughput (1-in-35) (MTh)			0	750,804	750,804	0	7,305	0	1,793,664	7,305	1,793,664	1,800,969	
16			Cold Year Peak Month (December) (MTh)			0	67,185	67,185	0	489	0	143,894	489	143,894	144,383	
17			Peak Day (see note a/ below) (MTh)			0	2,733	2,733	0	23	0	5,193	23	5,193	5,216	
18			%-Cust/Mtrs:													
19			Number of Customers			0	30	30	0	13	0	35	13	35	48	
20	High Pressure		%-Load:													
21			Average Year Throughput (MTh)			602,390	0	602,390	28,646	0	177,614	0	28,646	177,614	206,260	
22			Cold Year Throughput (1-in-35) (MTh)			603,335	0	603,335	28,646	0	177,614	0	28,646	177,614	206,260	
23			Cold Year Peak Month (December) (MTh)			50,321	0	50,321	2,414	0	14,694	0	2,414	14,694	17,108	
24			Peak Day (see note a/ below) (MTh)			2,060	0	2,060	88	0	508	0	88	508	596	
25			%-Cust/Mtrs:													
26			Number of Customers			201	0	201	36	0	19	0	36	19	55	
27	Medium Pressure		%-Load:													
28			Average Year Throughput (MTh)			291,895	0	291,895	86,022	0	42,998	0	86,022	42,998	129,021	
29			Cold Year Throughput (1-in-35) (MTh)			293,691	0	293,691	86,022	0	42,998	0	86,022	42,998	129,021	
30			Cold Year Peak Month (December) (MTh)			25,646	0	25,646	7,317	0	3,653	0	7,317	3,653	10,970	
31			Peak Day (see note a/ below) (MTh)			1,042	0	1,042	236	0	118	0	236	118	354	
32			%-Cust/Mtrs:													
33			Number of Customers			325	0	325	273	0	6	0	273	6	279	

2024 CAP: SoCalGas
Consolidated Gas Demand
Forecast Summary (Mtherms)

MDM #Yrs Av (3- or 4-yr)
4

Forecast Summary	MDM											
		G-30 Dist	G-30 Trans	Noncore - C&I G-30	EG-Dist EG (<3MMThms)	EG-Trans EG (<3MMThms)	EG-Dist EG (>=3MMThms)	EG-Trans EG (>=3MMThms)	Noncore - Electric Generatiion EG (<3MMThms)	(>=3MMThms)	EG (Total)
<< CAP Period >> January 2024 - December 2027											
CUMULATIVE (Calc'd from DIRECT %'s)											
Transmission	%-Load:										
	Average Year Throughput (MTh)	894,285	750,680	1,644,965	114,668	7,305	220,612	1,793,664	121,973	2,014,276	2,136,249
	Cold Year Throughput (1-in-35) (MTh)	897,026	750,804	1,647,830	114,668	7,305	220,612	1,793,664	121,973	2,014,276	2,136,249
	Cold Year Peak Month (December) (MTh)	75,967	67,185	143,152	9,731	489	18,348	143,894	10,220	162,242	172,461
	Peak Day (see note a/ below) (MTh)	3,102	2,733	5,835	324	23	626	5,193	347	5,819	6,166
	%-Cust/Mtrs:										
	Number of Customers	526	30	556	309	13	25	35	322	60	382
High Pressure	%-Load:										
	Average Year Throughput (MTh)	894,285	0	894,285	114,668	0	220,612	0	114,668	220,612	335,280
	Cold Year Throughput (1-in-35) (MTh)	897,026	0	897,026	114,668	0	220,612	0	114,668	220,612	335,280
	Cold Year Peak Month (December) (MTh)	75,967	0	75,967	9,731	0	18,348	0	9,731	18,348	28,078
	Peak Day (see note a/ below) (MTh)	3,102	0	3,102	324	0	626	0	324	626	950
	%-Cust/Mtrs:										
	Number of Customers	526	0	526	309	0	25	0	309	25	334
Medium Pressure	%-Load:										
	Average Year Throughput (MTh)	291,895	0	291,895	86,022	0	42,998	0	86,022	42,998	129,021
	Cold Year Throughput (1-in-35) (MTh)	293,691	0	293,691	86,022	0	42,998	0	86,022	42,998	129,021
	Cold Year Peak Month (December) (MTh)	25,646	0	25,646	7,317	0	3,653	0	7,317	3,653	10,970
	Peak Day (see note a/ below) (MTh)	1,042	0	1,042	236	0	118	0	236	118	354
	%-Cust/Mtrs:										
	Number of Customers	325	0	325	273	0	6	0	273	6	279

Note: a/

	A	B	C	D	E	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**										
2											
3											
4											
5											
6		**MDM #Yrs Av (3- or 4-yr)**									
7		**4**									
8											
9	**Forecast Summary**		**MDM**					**Noncore- EOR**		**Total**	
10						**EOR Dist**	**EOR Trans**	**EOR**		**Retail Noncore**	
11	<< CAP Period >> January 2024 - December 2027										
12	**DIRECT (%'s Load or Cust/Mtrs Sum to 100%)**										
13	Transmission	%-Load:									
14		Average Year Throughput (MTh)				0	43,565	43,565		**2,595,214**	
15		Cold Year Throughput (1-in-35) (MTh)				0	43,565	43,565		**2,595,338**	
16		Cold Year Peak Month (December) (MTh)				0	3,700	3,700		**215,269**	
17		Peak Day (see note a/ below) (MTh)				0	119	119		**8,068**	
18		%-Cust/Mtrs:									
19		Number of Customers				0	14	14		**92**	
20	High Pressure	%-Load:									
21		Average Year Throughput (MTh)				110,488	0	110,488		**919,138**	
22		Cold Year Throughput (1-in-35) (MTh)				110,488	0	110,488		**920,083**	
23		Cold Year Peak Month (December) (MTh)				9,384	0	9,384		**76,813**	
24		Peak Day (see note a/ below) (MTh)				303	0	303		**2,959**	
25		%-Cust/Mtrs:									
26		Number of Customers				16	0	16		**272**	
27	Medium Pressure	%-Load:									
28		Average Year Throughput (MTh)				13	0	13		**420,929**	
29		Cold Year Throughput (1-in-35) (MTh)				13	0	13		**422,725**	
30		Cold Year Peak Month (December) (MTh)				1	0	1		**36,617**	
31		Peak Day (see note a/ below) (MTh)				0	0	0		**1,396**	
32		%-Cust/Mtrs:									
33		Number of Customers				2	0	2		**606**	

	A	B	C	D	E	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**										
2											
3											
4											
5											
6						**MDM #Yrs Av (3- or 4-yr)**					
7						**4**					
8											
9	**Forecast Summary**			**MDM**				**Noncore- EOR**		**Total**	
10						**EOR Dist**	**EOR Trans**	**EOR**		**Retail Noncore**	
11	<< CAP Period >> January 2024 - December 2027										
34	**CUMULATIVE (Calc'd from DIRECT %'s)**										
35	Transmission			%-Load:							
36				Average Year Throughput (MTh)		110,501	43,565	154,067		**3,935,281**	
37				Cold Year Throughput (1-in-35) (MTh)		110,501	43,565	154,067		**3,938,146**	
38				Cold Year Peak Month (December) (MTh)		9,385	3,700	13,085		**328,698**	
39				Peak Day (see note a/ below) (MTh)		303	119	422		**12,423**	
40				%-Cust/Mtrs:							
41				Number of Customers		18	14	32		**970**	
42	High Pressure			%-Load:							
43				Average Year Throughput (MTh)		110,501	0	110,501		**1,340,067**	
44				Cold Year Throughput (1-in-35) (MTh)		110,501	0	110,501		**1,342,808**	
45				Cold Year Peak Month (December) (MTh)		9,385	0	9,385		**113,430**	
46				Peak Day (see note a/ below) (MTh)		303	0	303		**4,355**	
47				%-Cust/Mtrs:							
48				Number of Customers		18	0	18		**878**	
49	Medium Pressure			%-Load:							
50				Average Year Throughput (MTh)		13	0	13		**420,929**	
51				Cold Year Throughput (1-in-35) (MTh)		13	0	13		**422,725**	
52				Cold Year Peak Month (December) (MTh)		1	0	1		**36,617**	
53				Peak Day (see note a/ below) (MTh)		0	0	0		**1,396**	
54				%-Cust/Mtrs:							
55				Number of Customers		2	0	2		**606**	
56				**Note: a/**							

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**															
2																
3																
4																
5																
6																
7																
8																
9	**Forecast Summary**			**MDM**												
10								Wholesale Noncore								
11	<< CAP Period >> January 2024 - December 2027					Long Beach		SDG&E	Southwest Gas	Vernon	**Total Wholesale**		International NC Ecogas	**Total Noncore**		**Total System**
12	**DIRECT (%'s Load or Cust/Mtrs Sum to 100%)**															
13	Transmission		%-Load:			100.00%		100.00%	100.00%	100.00%			100.00%			
14			Average Year Throughput (MTh)			91,703		841,578	74,685	97,040	**1,105,006**		139,490	**3,839,710**		**3,869,464**
15			Cold Year Throughput (1-in-35) (MTh)			98,542		876,461	80,459	97,803	**1,153,265**		139,490	**3,888,093**		**3,918,112**
16			Cold Year Peak Month (December) (MTh)			13,116		99,379	12,721	8,281	**133,498**		11,112	**359,878**		**362,687**
17			Peak Day (see note a/ below) (MTh)			662		5,413	586	293	**6,955**		379	**15,402**		**15,509**
18			%-Cust/Mtrs:			100.00%		100.00%	100.00%	100.00%			100.00%			
19			Number of Customers			1		1	1	1	**4**		1	**97**		**211**
20	High Pressure		%-Load:			0.00%		0.00%	0.00%	0.00%			0.00%			
21			Average Year Throughput (MTh)			0		0	0	0	**0**		0	**919,138**		**1,038,858**
22			Cold Year Throughput (1-in-35) (MTh)			0		0	0	0	**0**		0	**920,083**		**1,042,053**
23			Cold Year Peak Month (December) (MTh)			0		0	0	0	**0**		0	**76,813**		**89,164**
24			Peak Day (see note a/ below) (MTh)			-		-	-	-	**0**		-	**2,959**		**3,494**
25			%-Cust/Mtrs:			0.00%		0.00%	0.00%	0.00%			0.00%			
26			Number of Customers			-		-	-	-	**0**		-	**272**		**8,230**
27	Medium Pressure		%-Load:			0.00%		0.00%	0.00%	0.00%			0.00%			
28			Average Year Throughput (MTh)			0		0	0	0	**0**		0	**420,929**		**3,524,811**
29			Cold Year Throughput (1-in-35) (MTh)			0		0	0	0	**0**		0	**422,725**		**3,732,201**
30			Cold Year Peak Month (December) (MTh)			0		0	0	0	**0**		0	**36,617**		**497,224**
31			Peak Day (see note a/ below) (MTh)			-		-	-	-	**0**		-	**1,396**		**28,766**
32			%-Cust/Mtrs:			0.00%		0.00%	0.00%	0.00%			0.00%			
33			Number of Customers			-		-	-	-	**0**		-	**606**		**6,050,293**

MDM #Yrs Av (3- or 4-yr)
4

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**															
2																
3																
4																
5																
6		**MDM #Yrs Av (3- or 4-yr)**														
7		**4**														
8																
9	**Forecast Summary**			**MDM**												
10							Wholesale Noncore			**Total**		International NC		**Total**		**Total**
11	<< CAP Period >> January 2024 - December 2027					Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**		**System**
34	**CUMULATIVE (Calc'd from DIRECT %'s)**															
35	Transmission		%-Load:			100.00%	100.00%	100.00%	100.00%			100.00%				
36			Average Year Throughput (MTh)			91,703	841,578	74,685	97,040	**1,105,006**		139,490		**5,179,777**		**8,433,133**
37			Cold Year Throughput (1-in-35) (MTh)			98,542	876,461	80,459	97,803	**1,153,265**		139,490		**5,230,901**		**8,692,366**
38			Cold Year Peak Month (December) (MTh)			13,116	99,379	12,721	8,281	**133,498**		11,112		**473,307**		**949,074**
39			Peak Day (see note a/ below) (MTh)			662	5,413	586	293	**6,955**		379		**19,756**		**47,769**
40			%-Cust/Mtrs:			100.00%	100.00%	100.00%	100.00%			100.00%				
41			Number of Customers			1	1	1	1	**4**		1		**975**		**6,058,733**
42	High Pressure		%-Load:			0.00%	0.00%	0.00%	0.00%			0.00%				
43			Average Year Throughput (MTh)			0	0	0	0	**0**		0		**1,340,067**		**4,563,669**
44			Cold Year Throughput (1-in-35) (MTh)			0	0	0	0	**0**		0		**1,342,808**		**4,774,254**
45			Cold Year Peak Month (December) (MTh)			0	0	0	0	**0**		0		**113,430**		**586,387**
46			Peak Day (see note a/ below) (MTh)			0	0	0	0	**0**		0		**4,355**		**32,261**
47			%-Cust/Mtrs:			0.00%	0.00%	0.00%	0.00%			0.00%				
48			Number of Customers			0	0	0	0	**0**		0		**878**		**6,058,522**
49	Medium Pressure		%-Load:			0.00%	0.00%	0.00%	0.00%			0.00%				
50			Average Year Throughput (MTh)			0	0	0	0	**0**		0		**420,929**		**3,524,811**
51			Cold Year Throughput (1-in-35) (MTh)			0	0	0	0	**0**		0		**422,725**		**3,732,201**
52			Cold Year Peak Month (December) (MTh)			0	0	0	0	**0**		0		**36,617**		**497,224**
53			Peak Day (see note a/ below) (MTh)			0	0	0	0	**0**		0		**1,396**		**28,766**
54			%-Cust/Mtrs:			0.00%	0.00%	0.00%	0.00%			0.00%				
55			Number of Customers			0	0	0	0	**0**		0		**606**		**6,050,293**
56			**Note: a/**													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**												
59	***ANNUAL FORECAST DATA***						Nonresidential Core					**Total**	
60						Residential	G-10		G-AC	G-GE	G-NGV	**Core**	
61	**Average Year Throughput (Mth)**												
62	2021					2,310,539	982,774		127	21,979	152,524	**3,467,941**	
63	2022					2,297,785	961,435		140	19,830	155,058	**3,434,248**	
64	2023					2,275,675	935,442		140	19,830	157,985	**3,389,072**	
65	2024					2,243,620	911,088		140	19,830	161,363	**3,336,041**	
66	2025					2,204,451	889,022		140	19,830	165,012	**3,278,456**	
67	2026					2,167,666	869,687		140	19,830	168,851	**3,226,174**	
68	2027					2,128,196	851,482		140	19,830	173,106	**3,172,754**	
69	2028					2,086,264	832,851		140	19,830	177,580	**3,116,666**	
70													
71													
72							Nonresidential Core					**Total**	
73						Residential	G-10		G-AC	G-GE	G-NGV	**Core**	
74	**Average Year Sales (Mth)**												
75	2021		365			2,285,743	872,705		127	20,116	46,785	**3,225,476**	
76	2022		365			2,273,125	853,739		140	18,150	47,949	**3,193,104**	
77	2023		365			2,251,253	830,787		140	18,150	49,488	**3,149,819**	
78	2024		366			2,219,541	809,200		140	18,150	51,461	**3,098,492**	
79	2025		365			2,180,793	789,636		140	18,150	53,686	**3,042,404**	
80	2026		365			2,144,403	772,499		140	18,150	56,082	**2,991,274**	
81	2027		365			2,105,356	756,380		140	18,150	58,875	**2,938,901**	
82	2028		366			2,063,875	739,870		140	18,150	61,869	**2,883,904**	
83													
84													
85							Nonresidential Core					**Total**	
86						Residential	G-10		G-AC	G-GE	G-NGV	**Core**	
87	**Cold Year Throughput (Mth)**												
88	2021					2,501,215	1,013,788		127	21,979	152,524	**3,689,632**	
89	2022					2,485,167	995,348		140	19,830	155,058	**3,655,543**	
90	2023					2,459,820	968,887		140	19,830	157,985	**3,606,662**	
91	2024					2,424,583	943,823		140	19,830	161,363	**3,549,739**	
92	2025					2,382,288	921,061		140	19,830	165,012	**3,488,331**	
93	2026					2,342,431	901,146		140	19,830	168,851	**3,432,398**	
94	2027					2,299,941	882,375		140	19,830	173,106	**3,375,392**	
95	2028					2,255,042	863,192		140	19,830	177,580	**3,315,784**	
96													
97													
98							Nonresidential Core					**Total**	
99	**Specified Peak Day Thrughput (Mth/Day)**					Residential	G-10		G-AC	G-GE	G-NGV	**Core**	
100	2021					23,717	5,669		0	28	435	**29,849**	
101	2022					23,458	5,680		0	29	443	**29,611**	
102	2023					23,159	5,542		0	29	452	**29,182**	
103	2024					22,815	5,412		0	29	462	**28,719**	
104	2025					22,441	5,291		0	29	473	**28,234**	
105	2026					22,081	5,184		0	29	485	**27,779**	
106	2027					21,711	5,081		0	29	498	**27,319**	
107	2028					21,333	4,978		0	29	511	**26,851**	
108													
109													
110							Nonresidential Core					**Total**	
111						Residential	G-10		G-AC	G-GE	G-NGV	**Core**	
112	**Forecast Number of Customers**												
113	2021					5,668,796	202,393		4	652	340	**5,872,185**	
114	2022					5,710,782	203,101		5	667	348	**5,914,902**	
115	2023					5,753,044	203,164		5	667	356	**5,957,235**	
116	2024					5,794,138	203,105		5	667	364	**5,998,279**	
117	2025					5,834,165	203,043		5	667	372	**6,038,252**	
118	2026					5,873,684	202,998		5	667	380	**6,077,734**	
119	2027					5,912,768	202,940		5	667	388	**6,116,768**	
120	2028					5,950,559	202,869		5	667	395	**6,154,495**	

	A	B	C	D	E	N	O	P	Q	R	S	T
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**											
59	***ANNUAL FORECAST DATA***					Noncore - G-30			Noncore - Electric Gene			
60						G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
61	**Average Year Throughput (Mth)**											
62	2021					888,161	740,410	**1,628,571**	109,250	19,058	203,164	2,137,072
63	2022					896,066	747,632	**1,643,698**	114,341	7,408	218,748	2,129,564
64	2023					899,742	747,450	**1,647,192**	113,918	7,184	217,625	2,116,748
65	2024					898,156	750,153	**1,648,308**	113,647	7,227	219,335	1,913,955
66	2025					895,265	750,248	**1,645,513**	114,442	7,263	220,232	1,800,491
67	2026					892,314	750,571	**1,642,885**	115,062	7,327	220,790	1,754,329
68	2027					891,407	751,749	**1,643,155**	115,522	7,401	222,093	1,705,880
69	2028					890,213	754,927	**1,645,140**	116,991	7,334	220,299	1,604,358
70												
71												
72						Noncore - G-30			Noncore - Electric Gene			
73						G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
74	**Average Year Sales (Mth)**											
75	2021		365			0	0	**0**	0	0	0	0
76	2022		365			0	0	**0**	0	0	0	0
77	2023		365			0	0	**0**	0	0	0	0
78	2024		366			0	0	**0**	0	0	0	0
79	2025		365			0	0	**0**	0	0	0	0
80	2026		365			0	0	**0**	0	0	0	0
81	2027		365			0	0	**0**	0	0	0	0
82	2028		366			0	0	**0**	0	0	0	0
83												
84												
85						Noncore - G-30			Noncore - Electric Gene			
86						G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
87	**Cold Year Throughput (Mth)**											
88	2021					890,902	740,534	**1,631,436**	109,250	19,058	203,164	2,137,072
89	2022					898,807	747,756	**1,646,563**	114,341	7,408	218,748	2,129,564
90	2023					902,483	747,574	**1,650,057**	113,918	7,184	217,625	2,116,748
91	2024					900,896	750,277	**1,651,173**	113,647	7,227	219,335	1,913,955
92	2025					898,006	750,372	**1,648,378**	114,442	7,263	220,232	1,800,491
93	2026					895,055	750,695	**1,645,750**	115,062	7,327	220,790	1,754,329
94	2027					894,148	751,873	**1,646,020**	115,522	7,401	222,093	1,705,880
95	2028					892,953	755,052	**1,648,005**	116,991	7,334	220,299	1,604,358
96												
97												
98						Noncore - G-30			Noncore - Electric Gene			
99	**Specified Peak Day Thrughput (Mth/Day)**					G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
100	2021					3,163	2,810	**5,973**	280	40	671	5,455
101	2022					3,106	2,715	**5,821**	319	19	618	5,889
102	2023					3,113	2,715	**5,828**	335	29	621	5,773
103	2024					3,111	2,725	**5,837**	320	24	623	5,453
104	2025					3,103	2,732	**5,835**	323	25	626	5,150
105	2026					3,097	2,735	**5,833**	325	17	627	4,963
106	2027					3,095	2,740	**5,835**	328	25	628	5,206
107	2028					3,089	2,746	**5,835**	323	18	630	4,890
108												
109												
110						Noncore - G-30			Noncore - Electric Gene			
111						G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
112	**Forecast Number of Customers**											
113	2021					526	30	**556**	310	13	25	39
114	2022					526	30	**556**	310	13	25	39
115	2023					526	30	**556**	310	13	25	39
116	2024					526	30	**556**	309	13	25	35
117	2025					526	30	**556**	309	13	25	35
118	2026					526	30	**556**	309	13	25	35
119	2027					526	30	**556**	309	13	25	35
120	2028					526	30	**556**	309	13	25	35

	A	B	C	D	E	U	V	W	X	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**														
59	***ANNUAL FORECAST DATA***					ratiion				Noncore - EOR				**Total**	
60						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
61	**Average Year Throughput (Mth)**														
62	2021					**128,308**	**2,340,236**	**2,468,544**		94,332	35,731	**130,063**		**4,227,177**	
63	2022					**121,748**	**2,348,312**	**2,470,060**		113,019	44,558	**157,577**		**4,271,335**	
64	2023					**121,103**	**2,334,373**	**2,455,475**		113,019	44,558	**157,577**		**4,260,244**	
65	2024					**120,874**	**2,133,290**	**2,254,164**		113,019	44,558	**157,577**		**4,060,049**	
66	2025					**121,705**	**2,020,723**	**2,142,428**		113,019	44,558	**157,577**		**3,945,517**	
67	2026					**122,389**	**1,975,119**	**2,097,508**		109,628	43,221	**152,849**		**3,893,242**	
68	2027					**122,923**	**1,927,973**	**2,050,895**		106,340	41,924	**148,264**		**3,842,315**	
69	2028					**124,325**	**1,824,657**	**1,948,982**		103,149	40,667	**143,816**		**3,737,938**	
70															
71															
72						ratiion				Noncore - EOR				**Total**	
73						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
74	**Average Year Sales (Mth)**														
75	2021		365			**0**	**0**	**0**		0	0	**0**		**0**	
76	2022		365			**0**	**0**	**0**		0	0	**0**		**0**	
77	2023		365			**0**	**0**	**0**		0	0	**0**		**0**	
78	2024		366			**0**	**0**	**0**		0	0	**0**		**0**	
79	2025		365			**0**	**0**	**0**		0	0	**0**		**0**	
80	2026		365			**0**	**0**	**0**		0	0	**0**		**0**	
81	2027		365			**0**	**0**	**0**		0	0	**0**		**0**	
82	2028		366			**0**	**0**	**0**		0	0	**0**		**0**	
83															
84															
85						ratiion				Noncore - EOR				**Total**	
86						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
87	**Cold Year Throughput (Mth)**														
88	2021					**128,308**	**2,340,236**	**2,468,544**		94,332	35,731	**130,063**		**4,230,042**	
89	2022					**121,748**	**2,348,312**	**2,470,060**		113,019	44,558	**157,577**		**4,274,200**	
90	2023					**121,103**	**2,334,373**	**2,455,475**		113,019	44,558	**157,577**		**4,263,109**	
91	2024					**120,874**	**2,133,290**	**2,254,164**		113,019	44,558	**157,577**		**4,062,914**	
92	2025					**121,705**	**2,020,723**	**2,142,428**		113,019	44,558	**157,577**		**3,948,382**	
93	2026					**122,389**	**1,975,119**	**2,097,508**		109,628	43,221	**152,849**		**3,896,107**	
94	2027					**122,923**	**1,927,973**	**2,050,895**		106,340	41,924	**148,264**		**3,845,180**	
95	2028					**124,325**	**1,824,657**	**1,948,982**		103,149	40,667	**143,816**		**3,740,803**	
96															
97															
98						ratiion				Noncore - EOR				**Total**	
99	**Specified**	**Peak Day Thrughput (Mth/Day)**				**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
100	2021					**319**	**6,127**	**6,446**		258	98	**356**		**12,775**	
101	2022					**338**	**6,507**	**6,846**		310	122	**432**		**13,099**	
102	2023					**364**	**6,394**	**6,758**		310	122	**432**		**13,018**	
103	2024					**343**	**6,076**	**6,420**		310	122	**432**		**12,688**	
104	2025					**348**	**5,777**	**6,124**		310	122	**432**		**12,390**	
105	2026					**342**	**5,590**	**5,932**		300	118	**419**		**12,183**	
106	2027					**353**	**5,834**	**6,187**		291	115	**406**		**12,429**	
107	2028					**341**	**5,520**	**5,861**		283	111	**394**		**12,090**	
108															
109															
110						ratiion				Noncore - EOR				**Total**	
111						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
112	**Forecast Number of Customers**														
113	2021					**323**	**64**	**387**		18	14	**32**		**975**	
114	2022					**323**	**64**	**387**		18	14	**32**		**975**	
115	2023					**323**	**64**	**387**		18	14	**32**		**975**	
116	2024					**322**	**60**	**382**		18	14	**32**		**970**	
117	2025					**322**	**60**	**382**		18	14	**32**		**970**	
118	2026					**322**	**60**	**382**		18	14	**32**		**970**	
119	2027					**322**	**60**	**382**		18	14	**32**		**970**	
120	2028					**322**	**60**	**382**		18	14	**32**		**970**	

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**														
59	***ANNUAL FORECAST DATA***					Wholesale Noncore				**Total**		International NC		**Total**	
60						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
61	**Average Year Throughput (Mth)**														
62	2021					90,728	**997,566**	71,136	88,222	**1,247,652**		124,320		**5,599,149**	
63	2022					90,147	**966,913**	72,182	94,934	**1,224,176**		135,757		**5,631,267**	
64	2023					90,587	**923,751**	72,881	94,293	**1,181,512**		138,216		**5,579,972**	
65	2024					91,031	**871,209**	73,709	95,537	**1,131,486**		138,688		**5,330,224**	
66	2025					91,477	**838,408**	74,300	96,303	**1,100,488**		139,204		**5,185,209**	
67	2026					91,927	**832,555**	75,010	97,431	**1,096,922**		139,773		**5,129,937**	
68	2027					92,379	**824,140**	75,720	98,889	**1,091,128**		140,296		**5,073,739**	
69	2028					92,834	**805,357**	76,553	98,071	**1,072,815**		140,821		**4,951,574**	
70															
71															
72						Wholesale Noncore				**Total**		International NC		**Total**	
73						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
74	**Average Year Sales (Mth)**														
75	2021	365				0	**0**	0	0	**0**		0		**0**	
76	2022	365				0	**0**	0	0	**0**		0		**0**	
77	2023	365				0	**0**	0	0	**0**		0		**0**	
78	2024	366				0	**0**	0	0	**0**		0		**0**	
79	2025	365				0	**0**	0	0	**0**		0		**0**	
80	2026	365				0	**0**	0	0	**0**		0		**0**	
81	2027	365				0	**0**	0	0	**0**		0		**0**	
82	2028	366				0	**0**	0	0	**0**		0		**0**	
83															
84															
85						Wholesale Noncore				**Total**		International NC		**Total**	
86						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
87	**Cold Year Throughput (Mth)**														
88	2021					90,728	**1,032,585**	71,136	88,222	**1,282,671**		124,320		**5,637,034**	
89	2022					96,878	**1,001,901**	77,762	94,943	**1,271,485**		135,757		**5,681,442**	
90	2023					97,363	**958,709**	78,515	95,264	**1,229,852**		138,216		**5,631,177**	
91	2024					97,811	**906,137**	79,406	96,399	**1,179,753**		138,688		**5,381,356**	
92	2025					98,316	**873,306**	80,044	97,257	**1,148,923**		139,204		**5,236,509**	
93	2026					98,763	**867,422**	80,809	98,093	**1,145,088**		139,773		**5,180,968**	
94	2027					99,278	**858,978**	81,575	99,465	**1,139,295**		140,296		**5,124,771**	
95	2028					99,754	**840,165**	82,470	98,780	**1,121,169**		140,821		**5,002,793**	
96															
97															
98						Wholesale Noncore				**Total**		International NC		**Total**	
99	**Specified**	**Peak Day Thrughput (Mth/Day)**				Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
100	2021					652	**6,763**	547	275	**8,237**		338		**21,349**	
101	2022					652	**5,651**	566	278	**7,147**		387		**20,632**	
102	2023					654	**5,510**	572	279	**7,015**		376		**20,409**	
103	2024					657	**5,384**	577	286	**6,905**		377		**19,970**	
104	2025					660	**5,408**	583	290	**6,942**		378		**19,710**	
105	2026					664	**5,439**	589	297	**6,989**		380		**19,552**	
106	2027					667	**5,422**	595	299	**6,983**		381		**19,793**	
107	2028					670	**5,146**	600	212	**6,629**		383		**19,102**	
108															
109															
110						Wholesale Noncore				**Total**		International NC		**Total**	
111						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
112	**Forecast Number of Customers**														
113	2021					1	**1**	1	1	**4**		1		**980**	
114	2022					1	**1**	1	1	**4**		1		**980**	
115	2023					1	**1**	1	1	**4**		1		**980**	
116	2024					1	**1**	1	1	**4**		1		**975**	
117	2025					1	**1**	1	1	**4**		1		**975**	
118	2026					1	**1**	1	1	**4**		1		**975**	
119	2027					1	**1**	1	1	**4**		1		**975**	
120	2028					1	**1**	1	1	**4**		1		**975**	

	A	B	C	D	E	AO	AP	AQ	AR	AS	AT	AU
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**											
59	***ANNUAL FORECAST DATA***					**Total System End-Use Dmd**		**System Total (Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**Total System Throughput**
60												
61	**Average Year Throughput (Mth)**											
62	2021					**9,067,091**		**2,484**		**25,243**	**72,117**	**9,164,451**
63	2022					**9,065,515**		**2,484**		**25,238**	**72,105**	**9,162,858**
64	2023					**8,969,044**		**2,457**		**24,970**	**71,337**	**9,065,351**
65	2024					**8,666,265**		**2,368**		**24,127**	**68,929**	**8,759,321**
66	2025					**8,463,665**		**2,319**		**23,563**	**67,318**	**8,554,545**
67	2026					**8,356,111**		**2,289**		**23,263**	**66,462**	**8,445,837**
68	2027					**8,246,493**		**2,259**		**22,958**	**65,590**	**8,335,041**
69	2028					**8,068,239**		**2,204**		**22,462**	**64,172**	**8,154,874**
70												
71												
72								**Check of System Total**				
73						**Total System End-Use Dmd**		**(Mdth/d)**				
74	**Average Year Sales (Mth)**											
75	2021		365			**3,225,476**		**884**				
76	2022		365			**3,193,104**		**875**				
77	2023		365			**3,149,819**		**863**				
78	2024		366			**3,098,492**		**847**				
79	2025		365			**3,042,404**		**834**				
80	2026		365			**2,991,274**		**820**				
81	2027		365			**2,938,901**		**805**				
82	2028		366			**2,883,904**		**788**				
83												
84												
85								**Check of System Total**				
86						**Total System End-Use Dmd**		**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
87	**Cold Year Throughput (Mth)**											
88	2021					**9,326,666**		**2,555**		**25,965**	**74,182**	**9,426,813**
89	2022					**9,336,985**		**2,558**		**25,994**	**74,264**	**9,437,243**
90	2023					**9,237,839**		**2,531**		**25,718**	**73,475**	**9,337,032**
91	2024					**8,931,095**		**2,440**		**24,864**	**71,035**	**9,026,994**
92	2025					**8,724,840**		**2,390**		**24,290**	**69,395**	**8,818,525**
93	2026					**8,613,365**		**2,360**		**23,979**	**68,508**	**8,705,853**
94	2027					**8,500,163**		**2,329**		**23,664**	**67,608**	**8,591,435**
95	2028					**8,318,577**		**2,273**		**23,159**	**66,164**	**8,407,900**
96												
97												
98												
99	**Specified**	**Peak Day Thrughput (Mth/Day)**				**Total System End-Use Dmd**						
100	2021					**51,199**						
101	2022					**50,243**						
102	2023					**49,591**						
103	2024					**48,689**						
104	2025					**47,945**						
105	2026					**47,331**						
106	2027					**47,112**						
107	2028					**45,953**						
108												
109												
110						**Total**						
111						**System**						
112	**Forecast Number of Customers**											
113	2021					**5,873,165**						
114	2022					**5,915,882**						
115	2023					**5,958,215**						
116	2024					**5,999,254**						
117	2025					**6,039,227**						
118	2026					**6,078,709**						
119	2027					**6,117,743**						
120	2028					**6,155,470**						

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																			
59	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30			Noncore - Electric Gene			
60						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
61	**Average Year Throughput (Mth)**																			
62	2021	Jan				321,140	105,022		5	903	10,865	**437,936**		76,618	69,522	**146,141**	8,754	652	15,930	134,666
63		Feb				279,650	99,093		8	1,047	10,478	**390,277**		66,408	51,798	**118,206**	7,340	692	14,487	94,983
64		Mar				244,130	91,444		1	1,254	12,321	**349,150**		78,025	67,201	**145,226**	8,545	1,174	17,138	143,932
65		Apr				201,956	84,170		5	1,611	12,304	**300,046**		74,298	61,028	**135,326**	8,146	1,193	16,251	153,890
66		May				145,942	72,721		10	2,093	12,322	**233,089**		71,949	56,486	**128,435**	9,178	1,356	17,315	152,067
67		Jun				112,472	67,385		11	2,774	12,798	**195,440**		71,049	59,997	**131,046**	9,684	2,511	18,056	202,803
68		Jul				107,999	65,425		18	3,046	13,182	**189,669**		70,942	54,528	**125,470**	11,418	3,367	18,130	295,909
69		Aug				107,758	65,384		19	2,911	13,893	**189,965**		75,789	61,966	**137,755**	10,491	2,513	18,298	261,626
70		Sep				106,536	66,676		17	2,438	13,717	**189,384**		77,907	60,395	**138,302**	9,698	1,466	17,458	199,586
71		Oct				132,867	71,902		13	1,853	13,798	**220,433**		76,647	66,233	**142,880**	8,524	1,580	16,198	179,037
72		Nov				212,826	86,533		10	1,184	13,348	**313,900**		71,767	62,241	**134,008**	8,589	1,487	16,641	168,035
73		Dec				337,264	107,018		10	864	13,497	**458,652**		76,762	69,014	**145,776**	8,883	1,066	17,262	150,538
74																				
75	2022	Jan				319,042	102,638		8	755	11,034	**433,477**		78,037	66,289	**144,326**	9,731	477	17,842	161,033
76		Feb				277,838	96,857		10	864	10,644	**386,213**		70,112	57,352	**127,463**	8,230	617	15,986	146,234
77		Mar				242,644	89,402		7	1,100	12,520	**345,673**		75,470	62,662	**138,132**	9,156	452	17,646	162,097
78		Apr				200,865	82,323		9	1,146	12,504	**296,848**		73,394	60,418	**133,813**	8,943	510	17,154	155,185
79		May				145,261	71,151		10	1,732	12,523	**230,677**		73,442	60,273	**133,715**	9,641	573	18,741	174,902
80		Jun				112,053	66,209		12	2,304	13,008	**193,586**		70,595	60,642	**131,237**	9,611	587	18,224	185,771
81		Jul				107,625	64,038		15	2,687	13,399	**187,765**		74,141	61,052	**135,193**	10,102	885	19,937	210,464
82		Aug				107,386	63,999		18	2,748	14,126	**188,277**		78,443	62,307	**140,750**	10,479	899	20,268	225,241
83		Sep				106,158	65,261		16	2,454	13,947	**187,835**		78,180	61,593	**139,773**	9,745	836	19,157	208,852
84		Oct				132,296	70,359		15	1,816	14,035	**218,521**		76,424	65,561	**141,985**	9,443	614	17,965	175,580
85		Nov				211,615	84,623		13	1,326	13,583	**311,160**		72,356	62,765	**135,120**	9,589	477	17,722	158,304
86		Dec				335,001	104,574		9	898	13,734	**454,216**		75,472	66,718	**142,190**	9,671	483	18,107	165,901
87																				
88	2023	Jan				315,656	99,747		8	755	11,230	**427,395**		77,895	66,159	**144,054**	9,811	479	17,894	165,063
89		Feb				274,902	94,152		10	864	10,837	**380,765**		69,712	56,679	**126,391**	8,304	617	15,862	145,197
90		Mar				240,174	86,958		7	1,100	12,752	**340,991**		75,769	62,542	**138,311**	9,121	450	17,729	163,131
91		Apr				198,955	80,121		9	1,146	12,735	**292,967**		73,908	60,578	**134,486**	9,025	439	17,254	154,779
92		May				143,985	69,295		10	1,732	12,753	**227,775**		74,035	60,480	**134,516**	9,555	489	18,755	174,929
93		Jun				111,172	64,272		12	2,304	13,251	**191,011**		71,374	61,025	**132,399**	9,501	544	18,003	185,541
94		Jul				106,806	62,410		15	2,687	13,650	**185,568**		74,924	61,335	**136,259**	10,035	866	19,694	208,936
95		Aug				106,571	62,372		18	2,748	14,395	**186,104**		79,230	62,599	**141,829**	10,396	905	20,041	217,660
96		Sep				105,340	63,611		16	2,454	14,213	**185,634**		78,948	61,892	**140,840**	9,694	816	19,029	203,974
97		Oct				131,183	68,565		15	1,816	14,307	**215,885**		75,920	64,824	**140,743**	9,353	615	17,836	173,708
98		Nov				209,545	82,347		13	1,326	13,853	**307,084**		72,380	62,618	**134,999**	9,497	479	17,472	157,971
99		Dec				331,387	101,592		9	898	14,007	**447,893**		75,646	66,719	**142,365**	9,626	485	18,055	165,858
100																				
101	2024	Jan				310,898	97,050		8	755	11,458	**420,168**		77,443	65,908	**143,350**	9,706	479	18,101	148,539
102		Feb				270,772	91,623		10	864	11,060	**374,329**		70,516	58,873	**129,389**	8,181	632	16,379	138,206
103		Mar				236,659	84,655		7	1,100	13,022	**335,443**		75,614	62,610	**138,223**	8,999	450	17,769	146,423
104		Apr				196,175	78,038		9	1,146	13,001	**288,370**		73,454	60,344	**133,798**	8,959	440	17,272	141,240
105		May				142,076	67,527		10	1,732	13,019	**224,364**		73,562	60,219	**133,782**	9,580	488	18,770	154,331
106		Jun				109,799	62,660		12	2,304	13,531	**188,307**		70,924	60,792	**131,716**	9,569	588	18,130	162,497
107		Jul				105,515	60,848		15	2,687	13,940	**183,005**		74,682	61,364	**136,047**	10,110	865	19,749	189,919
108		Aug				105,284	60,812		18	2,748	14,706	**183,567**		78,987	62,637	**141,624**	10,379	903	19,949	196,909
109		Sep				104,058	62,022		16	2,454	14,519	**183,068**		78,553	61,753	**140,306**	9,668	798	18,922	180,442
110		Oct				129,491	66,836		15	1,816	14,621	**212,779**		76,350	65,643	**141,993**	9,435	618	18,132	160,066
111		Nov				206,559	80,194		13	1,326	14,164	**302,256**		72,477	63,040	**135,516**	9,430	480	17,897	143,350
112		Dec				326,334	98,822		9	898	14,322	**440,385**		75,593	66,972	**142,564**	9,631	487	18,265	152,035

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																			
59	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30			Noncore - Electric Gene			
60						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
61	**Average Year Throughput (Mth)**																			
113																				
114	2025	Jan				305,162	94,604		8	755	11,703	**412,232**		77,377	66,148	**143,525**	9,701	482	18,179	140,365
115		Feb				265,790	89,331		10	864	11,300	**367,295**		69,656	57,121	**126,777**	8,196	620	16,174	126,452
116		Mar				232,396	82,568		7	1,100	13,313	**329,383**		75,481	62,808	**138,289**	9,066	455	17,879	138,440
117		Apr				192,772	76,151		9	1,146	13,288	**283,367**		73,236	60,477	**133,713**	8,981	506	17,366	133,534
118		May				139,714	65,925		10	1,732	13,305	**220,686**		73,362	60,378	**133,741**	9,669	479	18,874	146,500
119		Jun				108,074	61,201		12	2,304	13,834	**185,424**		70,734	60,926	**131,660**	9,617	578	18,227	152,960
120		Jul				103,884	59,435		15	2,687	14,252	**180,273**		74,598	61,676	**136,274**	10,144	857	19,797	176,015
121		Aug				103,657	59,399		18	2,748	15,041	**180,864**		78,868	62,906	**141,774**	10,497	899	20,065	182,690
122		Sep				102,440	60,584		16	2,454	14,849	**180,342**		78,396	61,971	**140,366**	9,738	795	19,033	171,141
123		Oct				127,386	65,270		15	1,816	14,961	**209,447**		75,999	65,623	**141,622**	9,541	620	18,219	151,214
124		Nov				202,919	78,243		13	1,326	14,502	**297,003**		72,180	63,087	**135,267**	9,611	483	18,066	136,169
125		Dec				320,256	96,311		9	898	14,663	**432,137**		75,379	67,127	**142,506**	9,679	489	18,353	145,011
126																				
127	2026	Jan				299,768	92,452		8	755	11,960	**404,943**		77,134	66,260	**143,394**	9,750	483	18,209	138,129
128		Feb				261,105	87,315		10	864	11,552	**360,846**		69,406	57,209	**126,615**	8,272	621	16,157	122,034
129		Mar				228,389	80,736		7	1,100	13,618	**323,850**		75,141	62,803	**137,944**	9,203	459	17,901	135,928
130		Apr				189,578	74,498		9	1,146	13,590	**278,820**		72,953	60,459	**133,412**	8,985	516	17,395	128,557
131		May				137,499	64,525		10	1,732	13,606	**217,371**		73,042	60,317	**133,359**	9,676	514	18,901	139,408
132		Jun				106,458	59,928		12	2,304	14,151	**182,853**		70,397	60,882	**131,279**	9,619	587	18,258	148,320
133		Jul				102,358	58,202		15	2,687	14,581	**177,842**		74,373	61,715	**136,088**	10,205	858	19,871	171,526
134		Aug				102,135	58,167		18	2,748	15,395	**178,463**		78,639	62,949	**141,588**	10,537	901	20,150	178,720
135		Sep				100,926	59,329		16	2,454	15,197	**177,921**		78,176	62,020	**140,196**	9,798	796	19,196	169,250
136		Oct				125,412	63,904		15	1,816	15,320	**206,466**		75,852	65,685	**141,537**	9,564	620	18,252	147,649
137		Nov				199,500	76,533		13	1,326	14,858	**292,230**		71,967	63,066	**135,033**	9,584	482	18,126	134,171
138		Dec				314,539	94,098		9	898	15,024	**424,569**		75,235	67,206	**142,440**	9,869	490	18,374	140,636
139																				
140	2027	Jan				294,010	90,419		8	755	12,246	**397,438**		77,045	66,391	**143,436**	9,839	483	18,212	130,452
141		Feb				256,104	85,411		10	864	11,832	**354,220**		69,311	57,312	**126,624**	8,271	622	16,260	117,673
142		Mar				224,103	79,009		7	1,100	13,958	**318,177**		75,021	62,886	**137,907**	9,201	460	17,922	128,105
143		Apr				186,147	72,941		9	1,146	13,924	**274,167**		72,875	60,544	**133,419**	9,134	517	17,416	122,021
144		May				135,110	63,209		10	1,732	13,939	**213,999**		72,953	60,391	**133,344**	9,744	580	18,992	132,440
145		Jun				104,705	58,733		12	2,304	14,503	**180,258**		70,317	60,961	**131,278**	9,763	585	18,288	139,883
146		Jul				100,699	57,045		15	2,687	14,945	**175,390**		74,315	61,804	**136,119**	10,238	860	20,071	166,361
147		Aug				100,481	57,011		18	2,748	15,786	**176,044**		78,581	63,045	**141,626**	10,582	902	20,379	184,949
148		Sep				99,281	58,153		16	2,454	15,583	**175,486**		78,119	62,115	**140,235**	9,756	796	19,673	173,596
149		Oct				123,279	62,623		15	1,816	15,716	**203,449**		75,790	65,794	**141,584**	9,593	621	18,274	143,932
150		Nov				195,835	74,923		13	1,326	15,252	**287,349**		71,911	63,179	**135,090**	9,659	484	18,208	128,576
151		Dec				308,442	92,005		9	898	15,423	**416,777**		75,168	67,325	**142,493**	9,743	491	18,399	137,893
152																				
153	2028	Jan				287,921	88,348		8	755	12,546	**389,578**		76,938	66,533	**143,471**	9,840	484	18,150	123,844
154		Feb				250,812	83,471		10	864	12,126	**347,282**		69,904	59,331	**129,235**	8,330	636	16,126	117,017
155		Mar				219,561	77,245		7	1,100	14,315	**312,228**		74,893	62,992	**137,885**	9,290	460	17,963	123,158
156		Apr				182,501	71,348		9	1,146	14,274	**269,278**		72,711	60,632	**133,343**	9,112	514	17,492	119,017
157		May				132,561	61,859		10	1,732	14,289	**210,450**		72,793	60,485	**133,277**	9,928	502	18,967	129,045
158		Jun				102,827	57,505		12	2,304	14,874	**177,521**		70,164	61,056	**131,220**	9,875	578	18,222	133,719
159		Jul				98,918	55,855		15	2,687	15,327	**172,802**		74,132	61,898	**136,031**	10,404	861	19,738	154,614
160		Aug				98,705	55,822		18	2,748	16,198	**173,490**		78,391	63,141	**141,532**	10,694	902	20,096	164,301
161		Sep				97,516	56,943		16	2,454	15,988	**172,916**		77,929	62,205	**140,134**	10,018	797	19,183	152,678
162		Oct				120,999	61,305		15	1,816	16,134	**200,269**		75,614	65,901	**141,516**	9,776	622	18,120	135,629
163		Nov				191,944	73,276		13	1,326	15,667	**282,226**		71,736	63,286	**135,023**	9,809	485	18,051	121,487
164		Dec				301,999	89,877		9	898	15,843	**408,625**		75,007	67,467	**142,473**	9,917	492	18,191	129,849

	A	B	C	D	E	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																			
59	***MONTHLY FORECAST DATA***					ratiion				Noncore - EOR				**Total**		Wholesale Noncore				**Total**
60						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**		Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**
61	**Average Year Throughput (Mth)**																			
62	2021	Jan				**9,406**	**150,596**	**160,001**		8,012	3,035	**11,046**		**317,188**		9,193	**96,880**	11,576	7,538	**125,187**
63		Feb				**8,032**	**109,470**	**117,502**		7,236	2,741	**9,977**		**245,685**		9,697	**78,903**	10,477	5,954	**105,032**
64		Mar				**9,720**	**161,070**	**170,790**		8,012	3,035	**11,046**		**327,062**		7,632	**84,895**	9,855	5,865	**108,247**
65		Apr				**9,340**	**170,140**	**179,480**		7,753	2,937	**10,690**		**325,496**		7,497	**75,113**	6,499	7,202	**96,312**
66		May				**10,535**	**169,383**	**179,917**		8,012	3,035	**11,046**		**319,398**		7,311	**75,072**	4,107	7,761	**94,251**
67		Jun				**12,195**	**220,859**	**233,055**		7,753	2,937	**10,690**		**374,791**		6,150	**72,781**	3,712	7,787	**90,430**
68		Jul				**14,785**	**314,039**	**328,824**		8,012	3,035	**11,046**		**465,341**		6,066	**86,195**	2,789	8,161	**103,211**
69		Aug				**13,003**	**279,923**	**292,927**		8,012	3,035	**11,046**		**441,729**		5,535	**73,881**	2,882	7,903	**90,200**
70		Sep				**11,164**	**217,044**	**228,208**		7,753	2,937	**10,690**		**377,200**		5,753	**70,130**	2,910	7,522	**86,315**
71		Oct				**10,104**	**195,235**	**205,339**		8,012	3,035	**11,046**		**359,266**		6,187	**81,206**	3,601	8,154	**99,148**
72		Nov				**10,076**	**184,676**	**194,752**		7,753	2,937	**10,690**		**339,450**		8,139	**93,201**	4,888	7,262	**113,489**
73		Dec				**9,949**	**167,800**	**177,749**		8,012	3,035	**11,046**		**334,571**		11,569	**109,308**	7,840	7,114	**135,830**
74																				
75	2022	Jan				**10,208**	**178,874**	**189,082**		9,599	3,784	**13,383**		**346,791**		9,134	**100,853**	**11,607**	8,040	**129,634**
76		Feb				**8,847**	**162,220**	**171,067**		8,670	3,418	**12,088**		**310,618**		9,635	**91,094**	**9,486**	6,665	**116,880**
77		Mar				**9,608**	**179,743**	**189,351**		9,599	3,784	**13,383**		**340,867**		7,583	**87,811**	**7,499**	7,149	**110,041**
78		Apr				**9,453**	**172,339**	**181,792**		9,289	3,662	**12,952**		**328,556**		7,449	**79,690**	**5,249**	7,691	**100,079**
79		May				**10,213**	**193,643**	**203,857**		9,599	3,784	**13,383**		**350,955**		7,265	**71,144**	**4,241**	7,702	**90,352**
80		Jun				**10,198**	**203,995**	**214,193**		9,289	3,662	**12,952**		**358,382**		6,110	**66,432**	**3,010**	8,047	**83,600**
81		Jul				**10,987**	**230,401**	**241,388**		9,599	3,784	**13,383**		**389,965**		6,027	**70,102**	**2,579**	8,578	**87,286**
82		Aug				**11,378**	**245,508**	**256,886**		9,599	3,784	**13,383**		**411,019**		5,499	**72,175**	**2,802**	8,726	**89,202**
83		Sep				**10,581**	**228,009**	**238,590**		9,289	3,662	**12,952**		**391,315**		5,716	**70,824**	**2,857**	8,165	**87,562**
84		Oct				**10,057**	**193,545**	**203,602**		9,599	3,784	**13,383**		**358,971**		6,148	**71,598**	**4,255**	8,565	**90,565**
85		Nov				**10,066**	**176,025**	**186,091**		9,289	3,662	**12,952**		**334,163**		8,086	**81,610**	**7,103**	7,506	**104,305**
86		Dec				**10,153**	**184,008**	**194,162**		9,599	3,784	**13,383**		**349,735**		11,495	**103,580**	**11,494**	8,101	**134,670**
87																				
88	2023	Jan				**10,290**	**182,957**	**193,247**		9,599	3,784	**13,383**		**350,684**		9,175	**97,536**	**11,720**	7,887	**126,318**
89		Feb				**8,921**	**161,060**	**169,981**		8,670	3,418	**12,088**		**308,460**		9,678	**88,003**	**9,578**	6,863	**114,121**
90		Mar				**9,571**	**180,860**	**190,431**		9,599	3,784	**13,383**		**342,125**		7,620	**84,516**	**7,571**	6,719	**106,426**
91		Apr				**9,464**	**172,033**	**181,497**		9,289	3,662	**12,952**		**328,935**		7,489	**76,127**	**5,299**	7,297	**96,211**
92		May				**10,045**	**193,684**	**203,729**		9,599	3,784	**13,383**		**351,628**		7,304	**68,169**	**4,282**	7,477	**87,231**
93		Jun				**10,045**	**203,544**	**213,589**		9,289	3,662	**12,952**		**358,940**		6,145	**63,242**	**3,039**	7,948	**80,374**
94		Jul				**10,901**	**228,630**	**239,531**		9,599	3,784	**13,383**		**389,174**		6,059	**66,162**	**2,603**	8,475	**83,299**
95		Aug				**11,301**	**237,701**	**249,002**		9,599	3,784	**13,383**		**404,215**		5,529	**67,359**	**2,828**	8,780	**84,496**
96		Sep				**10,510**	**223,003**	**233,512**		9,289	3,662	**12,952**		**387,304**		5,745	**66,716**	**2,885**	8,029	**83,375**
97		Oct				**9,967**	**191,544**	**201,511**		9,599	3,784	**13,383**		**355,637**		6,179	**68,105**	**4,295**	8,710	**87,290**
98		Nov				**9,976**	**175,443**	**185,419**		9,289	3,662	**12,952**		**333,369**		8,121	**78,512**	**7,172**	8,188	**101,993**
99		Dec				**10,111**	**183,913**	**194,025**		9,599	3,784	**13,383**		**349,773**		11,544	**99,303**	**11,608**	7,921	**130,377**
100																				
101	2024	Jan				**10,184**	**166,640**	**176,824**		9,599	3,784	**13,383**		**333,557**		9,215	**92,388**	**11,836**	7,906	**121,345**
102		Feb				**8,814**	**154,586**	**163,399**		8,670	3,418	**12,088**		**304,876**		9,721	**84,943**	**9,790**	7,219	**111,673**
103		Mar				**9,449**	**164,192**	**173,641**		9,599	3,784	**13,383**		**325,248**		7,658	**79,570**	**7,645**	7,306	**102,180**
104		Apr				**9,399**	**158,512**	**167,911**		9,289	3,662	**12,952**		**314,661**		7,529	**71,565**	**5,350**	6,913	**91,358**
105		May				**10,068**	**173,101**	**183,169**		9,599	3,784	**13,383**		**330,334**		7,344	**63,647**	**4,324**	7,392	**82,706**
106		Jun				**10,157**	**180,626**	**190,783**		9,289	3,662	**12,952**		**335,451**		6,181	**59,060**	**3,068**	7,822	**76,131**
107		Jul				**10,975**	**209,668**	**220,643**		9,599	3,784	**13,383**		**370,073**		6,091	**62,421**	**2,628**	9,122	**80,261**
108		Aug				**11,282**	**216,858**	**228,140**		9,599	3,784	**13,383**		**383,147**		5,558	**62,583**	**2,855**	8,597	**79,593**
109		Sep				**10,465**	**199,364**	**209,829**		9,289	3,662	**12,952**		**363,087**		5,774	**61,849**	**2,912**	8,211	**78,746**
110		Oct				**10,053**	**178,197**	**188,250**		9,599	3,784	**13,383**		**343,626**		6,210	**64,119**	**4,337**	9,036	**83,702**
111		Nov				**9,910**	**161,247**	**171,158**		9,289	3,662	**12,952**		**319,626**		8,157	**74,311**	**7,242**	7,750	**97,459**
112		Dec				**10,117**	**170,300**	**180,417**		9,599	3,784	**13,383**		**336,365**		11,595	**94,753**	**11,722**	8,263	**126,333**

	A	B	C	D	E	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																			
59	***MONTHLY FORECAST DATA***					ratiion				Noncore - EOR				**Total**		Wholesale Noncore				**Total**
60						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**		Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**
61	**Average Year Throughput (Mth)**																			
113																				
114	2025	Jan				**10,183**	**158,544**	**168,727**		9,599	3,784	**13,383**		**325,635**		9,256	**90,461**	**11,952**	8,270	**119,939**
115		Feb				**8,816**	**142,627**	**151,443**		8,670	3,418	**12,088**		**290,308**		9,764	**80,769**	**9,766**	7,048	**107,347**
116		Mar				**9,521**	**156,319**	**165,839**		9,599	3,784	**13,383**		**317,512**		7,696	**76,610**	**7,719**	7,213	**99,237**
117		Apr				**9,487**	**150,901**	**160,388**		9,289	3,662	**12,952**		**307,052**		7,569	**68,304**	**5,402**	7,295	**88,570**
118		May				**10,148**	**165,374**	**175,523**		9,599	3,784	**13,383**		**322,646**		7,383	**61,054**	**4,365**	7,353	**80,156**
119		Jun				**10,195**	**171,187**	**181,382**		9,289	3,662	**12,952**		**325,993**		6,217	**58,203**	**3,097**	8,107	**75,624**
120		Jul				**11,001**	**195,812**	**206,813**		9,599	3,784	**13,383**		**356,470**		6,123	**60,314**	**2,653**	8,773	**77,863**
121		Aug				**11,396**	**202,754**	**214,150**		9,599	3,784	**13,383**		**369,307**		5,588	**59,799**	**2,882**	8,761	**77,030**
122		Sep				**10,534**	**190,175**	**200,708**		9,289	3,662	**12,952**		**354,026**		5,803	**58,046**	**2,939**	8,677	**75,465**
123		Oct				**10,162**	**169,432**	**179,594**		9,599	3,784	**13,383**		**334,599**		6,241	**61,018**	**4,378**	8,701	**80,337**
124		Nov				**10,094**	**154,234**	**164,328**		9,289	3,662	**12,952**		**312,547**		8,192	**71,615**	**7,312**	7,927	**95,046**
125		Dec				**10,168**	**163,364**	**173,532**		9,599	3,784	**13,383**		**329,422**		11,645	**92,214**	**11,836**	8,178	**123,873**
126																				
127	2026	Jan				**10,233**	**156,339**	**166,571**		9,311	3,671	**12,982**		**322,947**		9,297	**88,451**	**12,068**	8,743	**118,558**
128		Feb				**8,893**	**138,191**	**147,084**		8,410	3,316	**11,725**		**285,425**		9,807	**80,188**	**9,860**	7,038	**106,893**
129		Mar				**9,662**	**153,829**	**163,490**		9,311	3,671	**12,982**		**314,416**		7,735	**76,571**	**7,793**	7,302	**99,400**
130		Apr				**9,501**	**145,953**	**155,454**		9,011	3,552	**12,563**		**301,428**		7,609	**68,285**	**5,453**	7,382	**88,730**
131		May				**10,189**	**158,309**	**168,498**		9,311	3,671	**12,982**		**314,839**		7,424	**59,710**	**4,407**	7,616	**79,156**
132		Jun				**10,205**	**166,578**	**176,783**		9,011	3,552	**12,563**		**320,625**		6,253	**56,765**	**3,127**	8,268	**74,413**
133		Jul				**11,063**	**191,397**	**202,460**		9,311	3,671	**12,982**		**351,530**		6,155	**59,725**	**2,677**	9,124	**77,682**
134		Aug				**11,439**	**198,870**	**210,309**		9,311	3,671	**12,982**		**364,879**		5,618	**61,679**	**2,909**	8,546	**78,751**
135		Sep				**10,595**	**188,446**	**199,040**		9,011	3,552	**12,563**		**351,799**		5,833	**59,567**	**2,967**	8,550	**76,917**
136		Oct				**10,185**	**165,901**	**176,085**		9,311	3,671	**12,982**		**330,604**		6,272	**61,027**	**4,419**	8,743	**80,461**
137		Nov				**10,065**	**152,297**	**162,363**		9,011	3,552	**12,563**		**309,959**		8,227	**70,342**	**7,381**	8,067	**94,018**
138		Dec				**10,359**	**159,010**	**169,369**		9,311	3,671	**12,982**		**324,791**		11,696	**90,245**	**11,950**	8,052	**121,943**
139																				
140	2027	Jan				**10,322**	**148,664**	**158,986**		9,032	3,561	**12,592**		**315,014**		9,338	**87,730**	**12,184**	8,062	**117,314**
141		Feb				**8,893**	**133,932**	**142,825**		8,158	3,216	**11,374**		**280,822**		9,851	**78,327**	**9,954**	7,293	**105,425**
142		Mar				**9,660**	**146,027**	**155,688**		9,032	3,561	**12,592**		**306,187**		7,773	**75,867**	**7,866**	7,397	**98,904**
143		Apr				**9,651**	**139,437**	**149,088**		8,740	3,446	**12,186**		**294,693**		7,650	**65,981**	**5,504**	7,615	**86,750**
144		May				**10,324**	**151,432**	**161,755**		9,032	3,561	**12,592**		**307,692**		7,464	**59,117**	**4,448**	7,659	**78,688**
145		Jun				**10,348**	**158,171**	**168,519**		8,740	3,446	**12,186**		**311,984**		6,289	**57,573**	**3,156**	8,420	**75,438**
146		Jul				**11,098**	**186,431**	**197,529**		9,032	3,561	**12,592**		**346,240**		6,188	**60,139**	**2,702**	8,935	**77,964**
147		Aug				**11,484**	**205,328**	**216,811**		9,032	3,561	**12,592**		**371,030**		5,649	**58,311**	**2,936**	9,005	**75,901**
148		Sep				**10,552**	**193,269**	**203,821**		8,740	3,446	**12,186**		**356,242**		5,862	**60,342**	**2,994**	8,587	**77,785**
149		Oct				**10,214**	**162,206**	**172,421**		9,032	3,561	**12,592**		**326,597**		6,304	**61,236**	**4,460**	8,700	**80,700**
150		Nov				**10,144**	**146,783**	**156,927**		8,740	3,446	**12,186**		**304,203**		8,263	**70,066**	**7,451**	8,530	**94,310**
151		Dec				**10,234**	**156,292**	**166,526**		9,032	3,561	**12,592**		**321,611**		11,747	**89,452**	**12,064**	8,686	**121,949**
152																				
153	2028	Jan				**10,324**	**141,995**	**152,319**		8,761	3,454	**12,215**		**308,004**		9,380	**85,955**	**12,300**	8,401	**116,036**
154		Feb				**8,966**	**133,144**	**142,110**		7,913	3,120	**11,032**		**282,378**		9,894	**77,368**	**10,172**	7,394	**104,828**
155		Mar				**9,750**	**141,121**	**150,871**		8,761	3,454	**12,215**		**300,971**		7,812	**72,856**	**7,940**	7,540	**96,149**
156		Apr				**9,626**	**136,509**	**146,135**		8,478	3,342	**11,820**		**291,298**		7,691	**65,916**	**5,555**	7,455	**86,617**
157		May				**10,430**	**148,011**	**158,441**		8,761	3,454	**12,215**		**303,933**		7,505	**58,130**	**4,490**	7,556	**77,681**
158		Jun				**10,452**	**151,941**	**162,393**		8,478	3,342	**11,820**		**305,434**		6,326	**55,638**	**3,185**	7,953	**73,102**
159		Jul				**11,265**	**174,352**	**185,617**		8,761	3,454	**12,215**		**333,862**		6,221	**57,356**	**2,727**	8,959	**75,263**
160		Aug				**11,596**	**184,397**	**195,992**		8,761	3,454	**12,215**		**349,739**		5,679	**59,014**	**2,962**	8,577	**76,232**
161		Sep				**10,814**	**171,861**	**182,675**		8,478	3,342	**11,820**		**334,630**		5,892	**57,346**	**3,022**	8,452	**74,712**
162		Oct				**10,398**	**153,750**	**164,148**		8,761	3,454	**12,215**		**317,878**		6,336	**59,337**	**4,501**	9,195	**79,369**
163		Nov				**10,295**	**139,537**	**149,832**		8,478	3,342	**11,820**		**296,675**		8,299	**68,687**	**7,520**	8,310	**92,816**
164		Dec				**10,409**	**148,040**	**158,449**		8,761	3,454	**12,215**		**313,137**		11,798	**87,753**	**12,178**	8,278	**120,008**

	A	B	C	D	E	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
59	***MONTHLY FORECAST DATA***						International NC		**Total**		**Total System End-Use Dmd**		**System Total**				**Total System Throughput**
60							Ecogas		**Noncore**				**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	
61	**Average Year Throughput (Mth)**																
62	2021	Jan					9,551		**451,926**		**889,862**		**2,871**		**2,477**	**7,078**	**899,417**
63		Feb					8,077		**358,795**		**749,071**		**2,675**		**2,085**	**5,958**	**757,115**
64		Mar					10,078		**445,387**		**794,537**		**2,563**		**2,212**	**6,320**	**803,068**
65		Apr					9,229		**431,037**		**731,082**		**2,437**		**2,035**	**5,815**	**738,932**
66		May					9,502		**423,152**		**656,240**		**2,117**		**1,827**	**5,220**	**663,287**
67		Jun					12,265		**477,485**		**672,926**		**2,243**		**1,873**	**5,352**	**680,151**
68		Jul					12,238		**580,790**		**770,459**		**2,485**		**2,145**	**6,128**	**778,732**
69		Aug					12,752		**544,681**		**734,646**		**2,370**		**2,045**	**5,843**	**742,535**
70		Sep					12,092		**475,606**		**664,991**		**2,217**		**1,851**	**5,289**	**672,131**
71		Oct					9,608		**468,022**		**688,456**		**2,221**		**1,917**	**5,476**	**695,848**
72		Nov					9,355		**462,294**		**776,194**		**2,587**		**2,161**	**6,174**	**784,529**
73		Dec					9,574		**479,976**		**938,628**		**3,028**		**2,613**	**7,466**	**948,707**
74																	
75	2022	Jan					9,730		**486,155**		**919,631**		**2,967**		**2,560**	**7,314**	**929,506**
76		Feb					8,652		**436,150**		**822,363**		**2,937**		**2,289**	**6,541**	**831,193**
77		Mar					10,799		**461,707**		**807,380**		**2,604**		**2,248**	**6,422**	**816,049**
78		Apr					10,577		**439,212**		**736,060**		**2,454**		**2,049**	**5,854**	**743,963**
79		May					10,872		**452,179**		**682,856**		**2,203**		**1,901**	**5,431**	**690,188**
80		Jun					12,967		**454,948**		**648,535**		**2,162**		**1,806**	**5,158**	**655,498**
81		Jul					13,272		**490,522**		**678,287**		**2,188**		**1,888**	**5,395**	**685,570**
82		Aug					13,414		**513,635**		**701,913**		**2,264**		**1,954**	**5,583**	**709,449**
83		Sep					12,786		**491,664**		**679,499**		**2,265**		**1,892**	**5,405**	**686,795**
84		Oct					10,995		**460,531**		**679,052**		**2,190**		**1,890**	**5,401**	**686,343**
85		Nov					10,727		**449,195**		**760,355**		**2,535**		**2,117**	**6,048**	**768,519**
86		Dec					10,965		**495,371**		**949,587**		**3,063**		**2,644**	**7,553**	**959,783**
87																	
88	2023	Jan					10,444		**487,446**		**914,841**		**2,951**		**2,547**	**7,276**	**924,665**
89		Feb					9,370		**431,952**		**812,717**		**2,903**		**2,263**	**6,464**	**821,443**
90		Mar					11,517		**460,069**		**801,060**		**2,584**		**2,230**	**6,371**	**809,662**
91		Apr					10,611		**435,757**		**728,724**		**2,429**		**2,029**	**5,796**	**736,549**
92		May					10,906		**449,766**		**677,541**		**2,186**		**1,886**	**5,389**	**684,817**
93		Jun					13,001		**452,315**		**643,326**		**2,144**		**1,791**	**5,117**	**650,234**
94		Jul					13,306		**485,779**		**671,347**		**2,166**		**1,869**	**5,340**	**678,556**
95		Aug					13,449		**502,159**		**688,263**		**2,220**		**1,916**	**5,474**	**695,653**
96		Sep					12,820		**483,499**		**669,133**		**2,230**		**1,863**	**5,322**	**676,318**
97		Oct					11,029		**453,956**		**669,841**		**2,161**		**1,865**	**5,328**	**677,034**
98		Nov					10,761		**446,123**		**753,207**		**2,511**		**2,097**	**5,991**	**761,294**
99		Dec					11,000		**491,150**		**939,043**		**3,029**		**2,614**	**7,469**	**949,126**
100																	
101	2024	Jan					10,480		**465,382**		**885,550**		**2,857**		**2,465**	**7,043**	**895,059**
102		Feb					9,407		**425,956**		**800,285**		**2,760**		**2,228**	**6,365**	**808,879**
103		Mar					11,555		**438,983**		**774,425**		**2,498**		**2,156**	**6,160**	**782,741**
104		Apr					10,650		**416,668**		**705,038**		**2,350**		**1,963**	**5,608**	**712,608**
105		May					10,945		**423,985**		**648,349**		**2,091**		**1,805**	**5,157**	**655,311**
106		Jun					13,041		**424,622**		**612,929**		**2,043**		**1,706**	**4,875**	**619,511**
107		Jul					13,346		**463,679**		**646,685**		**2,086**		**1,800**	**5,144**	**653,629**
108		Aug					13,489		**476,229**		**659,795**		**2,128**		**1,837**	**5,248**	**666,880**
109		Sep					12,861		**454,694**		**637,762**		**2,126**		**1,776**	**5,073**	**644,610**
110		Oct					11,070		**438,399**		**651,178**		**2,101**		**1,813**	**5,179**	**658,170**
111		Nov					10,803		**427,887**		**730,143**		**2,434**		**2,033**	**5,807**	**737,983**
112		Dec					11,042		**473,740**		**914,124**		**2,949**		**2,545**	**7,271**	**923,940**

	A	B	C	D	E	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
59	***MONTHLY FORECAST DATA***						International NC		**Total**		**Total System End-Use Dmd**		**System Total**				**Total System Throughput**
60							Ecogas		**Noncore**				**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	
61	**Average Year Throughput (Mth)**																
113																	
114	2025	Jan					10,522		**456,096**		**868,329**		**2,801**		**2,417**	**6,906**	**877,652**
115		Feb					9,449		**407,104**		**774,399**		**2,766**		**2,156**	**6,159**	**782,714**
116		Mar					11,597		**428,347**		**757,730**		**2,444**		**2,110**	**6,027**	**765,867**
117		Apr					10,692		**406,315**		**689,682**		**2,299**		**1,920**	**5,486**	**697,087**
118		May					10,988		**413,791**		**634,477**		**2,047**		**1,766**	**5,046**	**641,290**
119		Jun					13,084		**414,701**		**600,125**		**2,000**		**1,671**	**4,773**	**606,569**
120		Jul					13,389		**447,722**		**627,995**		**2,026**		**1,748**	**4,995**	**634,738**
121		Aug					13,532		**459,869**		**640,733**		**2,067**		**1,784**	**5,096**	**647,613**
122		Sep					12,904		**442,396**		**622,738**		**2,076**		**1,734**	**4,953**	**629,425**
123		Oct					11,114		**426,050**		**635,498**		**2,050**		**1,769**	**5,055**	**642,322**
124		Nov					10,846		**418,438**		**715,441**		**2,385**		**1,992**	**5,690**	**723,124**
125		Dec					11,086		**464,381**		**896,518**		**2,892**		**2,496**	**7,131**	**906,145**
126																	
127	2026	Jan					10,567		**452,072**		**857,015**		**2,765**		**2,386**	**6,816**	**866,218**
128		Feb					9,495		**401,813**		**762,659**		**2,724**		**2,123**	**6,066**	**770,848**
129		Mar					11,644		**425,459**		**749,309**		**2,417**		**2,086**	**5,960**	**757,355**
130		Apr					10,739		**400,897**		**679,717**		**2,266**		**1,892**	**5,406**	**687,016**
131		May					11,035		**405,030**		**622,402**		**2,008**		**1,733**	**4,950**	**629,085**
132		Jun					13,131		**408,168**		**591,021**		**1,970**		**1,645**	**4,701**	**597,368**
133		Jul					13,437		**442,648**		**620,490**		**2,002**		**1,727**	**4,935**	**627,153**
134		Aug					13,580		**457,210**		**635,672**		**2,051**		**1,770**	**5,056**	**642,498**
135		Sep					12,952		**441,668**		**619,590**		**2,065**		**1,725**	**4,928**	**626,243**
136		Oct					11,162		**422,227**		**628,693**		**2,028**		**1,750**	**5,000**	**635,444**
137		Nov					10,895		**414,872**		**707,102**		**2,357**		**1,969**	**5,624**	**714,695**
138		Dec					11,136		**457,871**		**882,440**		**2,847**		**2,457**	**7,019**	**891,915**
139																	
140	2027	Jan					10,608		**442,937**		**840,374**		**2,711**		**2,340**	**6,684**	**849,398**
141		Feb					9,537		**395,784**		**750,004**		**2,679**		**2,088**	**5,965**	**758,058**
142		Mar					11,686		**416,777**		**734,954**		**2,371**		**2,046**	**5,846**	**742,846**
143		Apr					10,782		**392,225**		**666,392**		**2,221**		**1,855**	**5,300**	**673,548**
144		May					11,079		**397,459**		**611,459**		**1,972**		**1,702**	**4,863**	**618,024**
145		Jun					13,175		**400,596**		**580,854**		**1,936**		**1,617**	**4,620**	**587,091**
146		Jul					13,480		**437,684**		**613,074**		**1,978**		**1,707**	**4,876**	**619,657**
147		Aug					13,624		**460,554**		**636,598**		**2,054**		**1,772**	**5,063**	**643,434**
148		Sep					12,996		**447,024**		**622,510**		**2,075**		**1,733**	**4,951**	**629,194**
149		Oct					11,207		**418,504**		**621,952**		**2,006**		**1,732**	**4,947**	**628,630**
150		Nov					10,940		**409,453**		**696,801**		**2,323**		**1,940**	**5,542**	**704,283**
151		Dec					11,182		**454,742**		**871,519**		**2,811**		**2,426**	**6,932**	**880,878**
152																	
153	2028	Jan					10,650		**434,690**		**824,267**		**2,659**		**2,295**	**6,556**	**833,118**
154		Feb					9,579		**396,785**		**744,068**		**2,566**		**2,071**	**5,918**	**752,057**
155		Mar					11,729		**408,849**		**721,077**		**2,326**		**2,007**	**5,735**	**728,820**
156		Apr					10,825		**388,740**		**658,019**		**2,193**		**1,832**	**5,234**	**665,085**
157		May					11,122		**392,737**		**603,187**		**1,946**		**1,679**	**4,798**	**609,664**
158		Jun					13,218		**391,754**		**569,275**		**1,898**		**1,585**	**4,528**	**575,388**
159		Jul					13,524		**422,649**		**595,451**		**1,921**		**1,658**	**4,736**	**601,844**
160		Aug					13,668		**439,639**		**613,129**		**1,978**		**1,707**	**4,877**	**619,713**
161		Sep					13,041		**422,383**		**595,299**		**1,984**		**1,657**	**4,735**	**601,691**
162		Oct					11,251		**408,498**		**608,767**		**1,964**		**1,695**	**4,842**	**615,304**
163		Nov					10,985		**400,477**		**682,702**		**2,276**		**1,901**	**5,430**	**690,033**
164		Dec					11,228		**444,372**		**852,998**		**2,752**		**2,375**	**6,785**	**862,157**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
167	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30				
168						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)
169	**Average Year Sales (Mth)**																	
170	2021	Jan	31			317,693	93,112		5	827	3,276	**414,913**		0	0	**0**	0	0
171		Feb	28			276,649	87,875		8	959	3,069	**368,559**		0	0	**0**	0	0
172		Mar	31			241,510	81,161		1	1,148	3,761	**327,582**		0	0	**0**	0	0
173		Apr	30			199,789	74,740		5	1,474	3,624	**279,632**		0	0	**0**	0	0
174		May	31			144,376	64,623		10	1,916	3,547	**214,472**		0	0	**0**	0	0
175		Jun	30			111,265	59,925		11	2,539	3,686	**177,425**		0	0	**0**	0	0
176		Jul	31			106,840	58,176		18	2,788	3,749	**171,571**		0	0	**0**	0	0
177		Aug	31			106,602	58,141		19	2,664	4,293	**171,719**		0	0	**0**	0	0
178		Sep	30			105,393	59,316		17	2,231	4,346	**171,303**		0	0	**0**	0	0
179		Oct	31			131,441	63,965		13	1,696	4,394	**201,509**		0	0	**0**	0	0
180		Nov	30			210,542	76,839		10	1,083	4,414	**292,888**		0	0	**0**	0	0
181		Dec	31			333,644	94,833		10	791	4,626	**433,903**		0	0	**0**	0	0
182																		
183	2022	Jan	31			315,618	90,997		8	691	3,346	**410,660**		0	0	**0**	0	0
184		Feb	28			274,856	85,891		10	791	3,139	**364,686**		0	0	**0**	0	0
185		Mar	31			240,040	79,348		7	1,006	3,850	**324,251**		0	0	**0**	0	0
186		Apr	30			198,709	73,100		9	1,049	3,712	**276,579**		0	0	**0**	0	0
187		May	31			143,702	63,227		10	1,585	3,634	**212,158**		0	0	**0**	0	0
188		Jun	30			110,851	58,875		12	2,109	3,778	**175,624**		0	0	**0**	0	0
189		Jul	31			106,470	56,942		15	2,460	3,845	**169,731**		0	0	**0**	0	0
190		Aug	31			106,234	56,907		18	2,516	4,402	**170,077**		0	0	**0**	0	0
191		Sep	30			105,018	58,055		16	2,246	4,455	**169,790**		0	0	**0**	0	0
192		Oct	31			130,877	62,591		15	1,662	4,509	**199,653**		0	0	**0**	0	0
193		Nov	30			209,344	75,141		13	1,214	4,533	**290,245**		0	0	**0**	0	0
194		Dec	31			331,406	92,666		9	822	4,748	**429,650**		0	0	**0**	0	0
195																		
196	2023	Jan	31			312,268	88,446		8	691	3,443	**404,856**		0	0	**0**	0	0
197		Feb	28			271,952	83,504		10	791	3,234	**359,491**		0	0	**0**	0	0
198		Mar	31			237,597	77,190		7	1,006	3,970	**319,770**		0	0	**0**	0	0
199		Apr	30			196,820	71,155		9	1,049	3,829	**272,862**		0	0	**0**	0	0
200		May	31			142,440	61,587		10	1,585	3,749	**209,371**		0	0	**0**	0	0
201		Jun	30			109,978	57,165		12	2,109	3,901	**173,165**		0	0	**0**	0	0
202		Jul	31			105,660	55,503		15	2,460	3,972	**167,609**		0	0	**0**	0	0
203		Aug	31			105,427	55,469		18	2,516	4,545	**167,975**		0	0	**0**	0	0
204		Sep	30			104,210	56,597		16	2,246	4,598	**167,666**		0	0	**0**	0	0
205		Oct	31			129,775	61,005		15	1,662	4,658	**197,114**		0	0	**0**	0	0
206		Nov	30			207,296	73,132		13	1,214	4,686	**286,340**		0	0	**0**	0	0
207		Dec	31			327,830	90,035		9	822	4,905	**423,601**		0	0	**0**	0	0
208																		
209	2024	Jan	31			307,561	86,059		8	691	3,570	**397,889**		0	0	**0**	0	0
210		Feb	29			267,867	81,265		10	791	3,358	**353,291**		0	0	**0**	0	0
211		Mar	31			234,119	75,150		7	1,006	4,125	**314,408**		0	0	**0**	0	0
212		Apr	30			194,070	69,309		9	1,049	3,980	**268,416**		0	0	**0**	0	0
213		May	31			140,551	60,019		10	1,585	3,898	**206,064**		0	0	**0**	0	0
214		Jun	30			108,621	55,734		12	2,109	4,060	**170,535**		0	0	**0**	0	0
215		Jul	31			104,383	54,117		15	2,460	4,136	**165,110**		0	0	**0**	0	0
216		Aug	31			104,154	54,084		18	2,516	4,728	**165,499**		0	0	**0**	0	0
217		Sep	30			102,941	55,186		16	2,246	4,779	**165,167**		0	0	**0**	0	0
218		Oct	31			128,102	59,470		15	1,662	4,846	**194,095**		0	0	**0**	0	0
219		Nov	30			204,342	71,224		13	1,214	4,878	**281,670**		0	0	**0**	0	0
220		Dec	31			322,832	87,584		9	822	5,101	**416,349**		0	0	**0**	0	0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
167	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30				
168						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)
169	**Average Year Sales (Mth)**																	
221																		
222	2025	Jan	31			301,887	83,894		8	691	3,713	**390,192**		0	0	**0**	0	0
223		Feb	28			262,938	79,236		10	791	3,499	**346,473**		0	0	**0**	0	0
224		Mar	31			229,902	73,300		7	1,006	4,301	**308,517**		0	0	**0**	0	0
225		Apr	30			190,704	67,636		9	1,049	4,150	**263,547**		0	0	**0**	0	0
226		May	31			138,215	58,598		10	1,585	4,066	**202,474**		0	0	**0**	0	0
227		Jun	30			106,914	54,438		12	2,109	4,239	**167,712**		0	0	**0**	0	0
228		Jul	31			102,770	52,861		15	2,460	4,321	**162,427**		0	0	**0**	0	0
229		Aug	31			102,545	52,830		18	2,516	4,935	**162,843**		0	0	**0**	0	0
230		Sep	30			101,341	53,908		16	2,246	4,983	**162,493**		0	0	**0**	0	0
231		Oct	31			126,019	58,079		15	1,662	5,060	**190,834**		0	0	**0**	0	0
232		Nov	30			200,741	69,494		13	1,214	5,095	**276,557**		0	0	**0**	0	0
233		Dec	31			316,819	85,362		9	822	5,323	**408,336**		0	0	**0**	0	0
234																		
235	2026	Jan	31			296,551	81,989		8	691	3,866	**383,105**		0	0	**0**	0	0
236		Feb	28			258,303	77,451		10	791	3,649	**340,205**		0	0	**0**	0	0
237		Mar	31			225,938	71,678		7	1,006	4,489	**303,119**		0	0	**0**	0	0
238		Apr	30			187,543	66,170		9	1,049	4,332	**259,104**		0	0	**0**	0	0
239		May	31			136,023	57,356		10	1,585	4,247	**199,221**		0	0	**0**	0	0
240		Jun	30			105,316	53,308		12	2,109	4,433	**165,177**		0	0	**0**	0	0
241		Jul	31			101,259	51,767		15	2,460	4,521	**160,022**		0	0	**0**	0	0
242		Aug	31			101,039	51,737		18	2,516	5,157	**160,466**		0	0	**0**	0	0
243		Sep	30			99,843	52,794		16	2,246	5,203	**160,101**		0	0	**0**	0	0
244		Oct	31			124,066	56,866		15	1,662	5,290	**187,899**		0	0	**0**	0	0
245		Nov	30			197,359	67,979		13	1,214	5,330	**271,894**		0	0	**0**	0	0
246		Dec	31			311,163	83,405		9	822	5,563	**400,963**		0	0	**0**	0	0
247																		
248	2027	Jan	31			290,855	80,191		8	691	4,047	**375,792**		0	0	**0**	0	0
249		Feb	28			253,355	75,767		10	791	3,827	**333,750**		0	0	**0**	0	0
250		Mar	31			221,698	70,149		7	1,006	4,711	**297,572**		0	0	**0**	0	0
251		Apr	30			184,150	64,792		9	1,049	4,546	**254,546**		0	0	**0**	0	0
252		May	31			133,660	56,190		10	1,585	4,459	**195,903**		0	0	**0**	0	0
253		Jun	30			103,582	52,249		12	2,109	4,659	**162,610**		0	0	**0**	0	0
254		Jul	31			99,618	50,741		15	2,460	4,755	**157,588**		0	0	**0**	0	0
255		Aug	31			99,402	50,712		18	2,516	5,416	**158,063**		0	0	**0**	0	0
256		Sep	30			98,216	51,751		16	2,246	5,459	**157,687**		0	0	**0**	0	0
257		Oct	31			121,956	55,730		15	1,662	5,557	**184,920**		0	0	**0**	0	0
258		Nov	30			193,733	66,553		13	1,214	5,600	**267,113**		0	0	**0**	0	0
259		Dec	31			305,132	81,555		9	822	5,839	**393,357**		0	0	**0**	0	0
260																		
261	2028	Jan	31			284,831	78,359		8	691	4,241	**368,129**		0	0	**0**	0	0
262		Feb	29			248,120	74,050		10	791	4,017	**326,988**		0	0	**0**	0	0
263		Mar	31			217,205	68,586		7	1,006	4,949	**291,754**		0	0	**0**	0	0
264		Apr	30			180,543	63,380		9	1,049	4,776	**249,756**		0	0	**0**	0	0
265		May	31			131,139	54,992		10	1,585	4,686	**192,412**		0	0	**0**	0	0
266		Jun	30			101,723	51,158		12	2,109	4,901	**159,904**		0	0	**0**	0	0
267		Jul	31			97,856	49,685		15	2,460	5,005	**155,021**		0	0	**0**	0	0
268		Aug	31			97,646	49,656		18	2,516	5,693	**155,528**		0	0	**0**	0	0
269		Sep	30			96,470	50,676		16	2,246	5,733	**155,141**		0	0	**0**	0	0
270		Oct	31			119,700	54,561		15	1,662	5,843	**181,781**		0	0	**0**	0	0
271		Nov	30			189,884	65,093		13	1,214	5,890	**262,094**		0	0	**0**	0	0
272		Dec	31			298,758	79,672		9	822	6,135	**385,396**		0	0	**0**	0	0

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
167	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion						Noncore - EOR				**Total**	
168						EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
169	**Average Year Sales (Mth)**																
170	2021	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
171		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
172		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
173		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
174		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
175		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
176		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
177		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
178		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
179		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
180		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
181		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
182																	
183	2022	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
184		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
185		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
186		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
187		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
188		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
189		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
190		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
191		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
192		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
193		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
194		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
195																	
196	2023	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
197		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
198		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
199		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
200		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
201		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
202		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
203		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
204		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
205		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
206		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
207		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
208																	
209	2024	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
210		Feb	29			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
211		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
212		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
213		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
214		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
215		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
216		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
217		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
218		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
219		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
220		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
167	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion						Noncore - EOR				**Total**	
168						EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
169	**Average Year Sales (Mth)**																
221																	
222	2025	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
223		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
224		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
225		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
226		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
227		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
228		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
229		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
230		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
231		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
232		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
233		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
234																	
235	2026	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
236		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
237		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
238		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
239		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
240		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
241		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
242		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
243		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
244		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
245		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
246		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
247																	
248	2027	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
249		Feb	28			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
250		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
251		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
252		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
253		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
254		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
255		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
256		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
257		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
258		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
259		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
260																	
261	2028	Jan	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
262		Feb	29			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
263		Mar	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
264		Apr	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
265		May	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
266		Jun	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
267		Jul	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
268		Aug	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
269		Sep	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
270		Oct	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
271		Nov	30			0	0	**0**	**0**	**0**		0	0	**0**		**0**	
272		Dec	31			0	0	**0**	**0**	**0**		0	0	**0**		**0**	

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
167	***MONTHLY FORECAST DATA***					Wholesale Noncore				**Total**		International NC		**Total**		**Total System End-**		**System Total**
168						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**		**Use Dmd**		**(Mdth/d)**
169	**Average Year Sales (Mth)**																	
170	2021	Jan	31			0	**0**	0	0	**0**		0		**0**		**414,913**		**1,338**
171		Feb	28			0	**0**	0	0	**0**		0		**0**		**368,559**		**1,316**
172		Mar	31			0	**0**	0	0	**0**		0		**0**		**327,582**		**1,057**
173		Apr	30			0	**0**	0	0	**0**		0		**0**		**279,632**		**932**
174		May	31			0	**0**	0	0	**0**		0		**0**		**214,472**		**692**
175		Jun	30			0	**0**	0	0	**0**		0		**0**		**177,425**		**591**
176		Jul	31			0	**0**	0	0	**0**		0		**0**		**171,571**		**553**
177		Aug	31			0	**0**	0	0	**0**		0		**0**		**171,719**		**554**
178		Sep	30			0	**0**	0	0	**0**		0		**0**		**171,303**		**571**
179		Oct	31			0	**0**	0	0	**0**		0		**0**		**201,509**		**650**
180		Nov	30			0	**0**	0	0	**0**		0		**0**		**292,888**		**976**
181		Dec	31			0	**0**	0	0	**0**		0		**0**		**433,903**		**1,400**
182																		
183	2022	Jan	31			0	**0**	0	0	**0**		0		**0**		**410,660**		**1,325**
184		Feb	28			0	**0**	0	0	**0**		0		**0**		**364,686**		**1,302**
185		Mar	31			0	**0**	0	0	**0**		0		**0**		**324,251**		**1,046**
186		Apr	30			0	**0**	0	0	**0**		0		**0**		**276,579**		**922**
187		May	31			0	**0**	0	0	**0**		0		**0**		**212,158**		**684**
188		Jun	30			0	**0**	0	0	**0**		0		**0**		**175,624**		**585**
189		Jul	31			0	**0**	0	0	**0**		0		**0**		**169,731**		**548**
190		Aug	31			0	**0**	0	0	**0**		0		**0**		**170,077**		**549**
191		Sep	30			0	**0**	0	0	**0**		0		**0**		**169,790**		**566**
192		Oct	31			0	**0**	0	0	**0**		0		**0**		**199,653**		**644**
193		Nov	30			0	**0**	0	0	**0**		0		**0**		**290,245**		**967**
194		Dec	31			0	**0**	0	0	**0**		0		**0**		**429,650**		**1,386**
195																		
196	2023	Jan	31			0	**0**	0	0	**0**		0		**0**		**404,856**		**1,306**
197		Feb	28			0	**0**	0	0	**0**		0		**0**		**359,491**		**1,284**
198		Mar	31			0	**0**	0	0	**0**		0		**0**		**319,770**		**1,032**
199		Apr	30			0	**0**	0	0	**0**		0		**0**		**272,862**		**910**
200		May	31			0	**0**	0	0	**0**		0		**0**		**209,371**		**675**
201		Jun	30			0	**0**	0	0	**0**		0		**0**		**173,165**		**577**
202		Jul	31			0	**0**	0	0	**0**		0		**0**		**167,609**		**541**
203		Aug	31			0	**0**	0	0	**0**		0		**0**		**167,975**		**542**
204		Sep	30			0	**0**	0	0	**0**		0		**0**		**167,666**		**559**
205		Oct	31			0	**0**	0	0	**0**		0		**0**		**197,114**		**636**
206		Nov	30			0	**0**	0	0	**0**		0		**0**		**286,340**		**954**
207		Dec	31			0	**0**	0	0	**0**		0		**0**		**423,601**		**1,366**
208																		
209	2024	Jan	31			0	**0**	0	0	**0**		0		**0**		**397,889**		**1,284**
210		Feb	29			0	**0**	0	0	**0**		0		**0**		**353,291**		**1,218**
211		Mar	31			0	**0**	0	0	**0**		0		**0**		**314,408**		**1,014**
212		Apr	30			0	**0**	0	0	**0**		0		**0**		**268,416**		**895**
213		May	31			0	**0**	0	0	**0**		0		**0**		**206,064**		**665**
214		Jun	30			0	**0**	0	0	**0**		0		**0**		**170,535**		**568**
215		Jul	31			0	**0**	0	0	**0**		0		**0**		**165,110**		**533**
216		Aug	31			0	**0**	0	0	**0**		0		**0**		**165,499**		**534**
217		Sep	30			0	**0**	0	0	**0**		0		**0**		**165,167**		**551**
218		Oct	31			0	**0**	0	0	**0**		0		**0**		**194,095**		**626**
219		Nov	30			0	**0**	0	0	**0**		0		**0**		**281,670**		**939**
220		Dec	31			0	**0**	0	0	**0**		0		**0**		**416,349**		**1,343**

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
167	***MONTHLY FORECAST DATA***					Wholesale Noncore				**Total**		International NC		**Total**		**Total System End-**		**System Total**
168						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**		**Use Dmd**		**(Mdth/d)**
169	**Average Year Sales (Mth)**																	
221																		
222	2025	Jan	31			0	**0**	0	0	**0**		0		**0**		**390,192**		**1,259**
223		Feb	28			0	**0**	0	0	**0**		0		**0**		**346,473**		**1,237**
224		Mar	31			0	**0**	0	0	**0**		0		**0**		**308,517**		**995**
225		Apr	30			0	**0**	0	0	**0**		0		**0**		**263,547**		**878**
226		May	31			0	**0**	0	0	**0**		0		**0**		**202,474**		**653**
227		Jun	30			0	**0**	0	0	**0**		0		**0**		**167,712**		**559**
228		Jul	31			0	**0**	0	0	**0**		0		**0**		**162,427**		**524**
229		Aug	31			0	**0**	0	0	**0**		0		**0**		**162,843**		**525**
230		Sep	30			0	**0**	0	0	**0**		0		**0**		**162,493**		**542**
231		Oct	31			0	**0**	0	0	**0**		0		**0**		**190,834**		**616**
232		Nov	30			0	**0**	0	0	**0**		0		**0**		**276,557**		**922**
233		Dec	31			0	**0**	0	0	**0**		0		**0**		**408,336**		**1,317**
234																		
235	2026	Jan	31			0	**0**	0	0	**0**		0		**0**		**383,105**		**1,236**
236		Feb	28			0	**0**	0	0	**0**		0		**0**		**340,205**		**1,215**
237		Mar	31			0	**0**	0	0	**0**		0		**0**		**303,119**		**978**
238		Apr	30			0	**0**	0	0	**0**		0		**0**		**259,104**		**864**
239		May	31			0	**0**	0	0	**0**		0		**0**		**199,221**		**643**
240		Jun	30			0	**0**	0	0	**0**		0		**0**		**165,177**		**551**
241		Jul	31			0	**0**	0	0	**0**		0		**0**		**160,022**		**516**
242		Aug	31			0	**0**	0	0	**0**		0		**0**		**160,466**		**518**
243		Sep	30			0	**0**	0	0	**0**		0		**0**		**160,101**		**534**
244		Oct	31			0	**0**	0	0	**0**		0		**0**		**187,899**		**606**
245		Nov	30			0	**0**	0	0	**0**		0		**0**		**271,894**		**906**
246		Dec	31			0	**0**	0	0	**0**		0		**0**		**400,963**		**1,293**
247																		
248	2027	Jan	31			0	**0**	0	0	**0**		0		**0**		**375,792**		**1,212**
249		Feb	28			0	**0**	0	0	**0**		0		**0**		**333,750**		**1,192**
250		Mar	31			0	**0**	0	0	**0**		0		**0**		**297,572**		**960**
251		Apr	30			0	**0**	0	0	**0**		0		**0**		**254,546**		**848**
252		May	31			0	**0**	0	0	**0**		0		**0**		**195,903**		**632**
253		Jun	30			0	**0**	0	0	**0**		0		**0**		**162,610**		**542**
254		Jul	31			0	**0**	0	0	**0**		0		**0**		**157,588**		**508**
255		Aug	31			0	**0**	0	0	**0**		0		**0**		**158,063**		**510**
256		Sep	30			0	**0**	0	0	**0**		0		**0**		**157,687**		**526**
257		Oct	31			0	**0**	0	0	**0**		0		**0**		**184,920**		**597**
258		Nov	30			0	**0**	0	0	**0**		0		**0**		**267,113**		**890**
259		Dec	31			0	**0**	0	0	**0**		0		**0**		**393,357**		**1,269**
260																		
261	2028	Jan	31			0	**0**	0	0	**0**		0		**0**		**368,129**		**1,188**
262		Feb	29			0	**0**	0	0	**0**		0		**0**		**326,988**		**1,128**
263		Mar	31			0	**0**	0	0	**0**		0		**0**		**291,754**		**941**
264		Apr	30			0	**0**	0	0	**0**		0		**0**		**249,756**		**833**
265		May	31			0	**0**	0	0	**0**		0		**0**		**192,412**		**621**
266		Jun	30			0	**0**	0	0	**0**		0		**0**		**159,904**		**533**
267		Jul	31			0	**0**	0	0	**0**		0		**0**		**155,021**		**500**
268		Aug	31			0	**0**	0	0	**0**		0		**0**		**155,528**		**502**
269		Sep	30			0	**0**	0	0	**0**		0		**0**		**155,141**		**517**
270		Oct	31			0	**0**	0	0	**0**		0		**0**		**181,781**		**586**
271		Nov	30			0	**0**	0	0	**0**		0		**0**		**262,094**		**874**
272		Dec	31			0	**0**	0	0	**0**		0		**0**		**385,396**		**1,243**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
275	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30				
276						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)
277	**Cold Year Throughput (Mth)**																	
278	2021	Jan				360,196	111,736		5	903	10,865	**483,706**		77,180	69,548	**146,728**	8,754	652
279		Feb				313,113	104,810		8	1,047	10,478	**429,457**		66,889	51,820	**118,709**	7,340	692
280		Mar				269,623	95,743		1	1,254	12,321	**378,942**		78,391	67,217	**145,609**	8,545	1,174
281		Apr				217,713	86,721		5	1,611	12,304	**318,354**		74,524	61,038	**135,563**	8,146	1,193
282		May				153,171	73,763		10	2,093	12,322	**241,360**		72,053	56,491	**128,543**	9,178	1,356
283		Jun				113,955	67,401		11	2,774	12,798	**196,939**		71,070	59,998	**131,068**	9,684	2,511
284		Jul				108,312	65,235		18	3,046	13,182	**189,792**		70,947	54,529	**125,475**	11,418	3,367
285		Aug				108,026	65,186		19	2,911	13,893	**190,034**		75,793	61,966	**137,759**	10,491	2,513
286		Sep				107,224	66,553		17	2,438	13,717	**189,949**		77,917	60,396	**138,312**	9,698	1,466
287		Oct				137,520	72,484		13	1,853	13,798	**225,670**		76,714	66,236	**142,950**	8,524	1,580
288		Nov				231,762	89,656		10	1,184	13,348	**335,960**		72,039	62,253	**134,293**	8,589	1,487
289		Dec				380,600	114,501		10	864	13,497	**509,471**		77,385	69,042	**146,427**	8,883	1,066
290																		
291	2022	Jan				357,424	109,636		8	755	11,034	**478,857**		78,598	66,314	**144,913**	9,731	477
292		Feb				310,723	102,853		10	864	10,644	**425,094**		70,593	57,373	**127,966**	8,230	617
293		Mar				267,696	93,970		7	1,100	12,520	**375,294**		75,836	62,679	**138,515**	9,156	452
294		Apr				216,350	85,147		9	1,146	12,504	**315,156**		73,621	60,429	**134,049**	8,943	510
295		May				152,365	72,447		10	1,732	12,523	**239,077**		73,546	60,277	**133,824**	9,641	573
296		Jun				113,510	66,218		12	2,304	13,008	**195,052**		70,617	60,643	**131,259**	9,611	587
297		Jul				107,933	64,095		15	2,687	13,399	**188,129**		74,146	61,052	**135,198**	10,102	885
298		Aug				107,649	64,048		18	2,748	14,126	**188,589**		78,446	62,307	**140,754**	10,479	899
299		Sep				106,833	65,385		16	2,454	13,947	**188,635**		78,190	61,593	**139,784**	9,745	836
300		Oct				136,870	71,194		15	1,816	14,035	**223,929**		76,491	65,564	**142,055**	9,443	614
301		Nov				230,224	88,016		13	1,326	13,583	**333,162**		72,628	62,777	**135,405**	9,589	477
302		Dec				377,588	112,339		9	898	13,734	**504,569**		76,095	66,746	**142,842**	9,671	483
303																		
304	2023	Jan				353,375	106,599		8	755	11,230	**471,967**		78,456	66,184	**144,641**	9,811	479
305		Feb				307,219	100,023		10	864	10,837	**418,952**		70,193	56,701	**126,894**	8,304	617
306		Mar				264,794	91,430		7	1,100	12,752	**370,083**		76,135	62,558	**138,694**	9,121	450
307		Apr				214,172	82,885		9	1,146	12,735	**310,948**		74,135	60,588	**134,723**	9,025	439
308		May				150,966	70,563		10	1,732	12,753	**236,024**		74,139	60,485	**134,624**	9,555	489
309		Jun				112,603	64,531		12	2,304	13,251	**192,702**		71,396	61,026	**132,422**	9,501	544
310		Jul				107,109	62,464		15	2,687	13,650	**185,925**		74,929	61,335	**136,264**	10,035	866
311		Aug				106,829	62,418		18	2,748	14,395	**186,408**		79,234	62,599	**141,833**	10,396	905
312		Sep				106,005	63,731		16	2,454	14,213	**186,418**		78,958	61,893	**140,850**	9,694	816
313		Oct				135,677	69,380		15	1,816	14,307	**221,195**		75,987	64,827	**140,813**	9,353	615
314		Nov				227,832	85,669		13	1,326	13,853	**328,693**		72,653	62,631	**135,283**	9,497	479
315		Dec				373,238	109,195		9	898	14,007	**497,348**		76,269	66,747	**143,016**	9,626	485
316																		
317	2024	Jan				347,965	103,759		8	755	11,458	**463,945**		78,004	65,933	**143,937**	9,706	479
318		Feb				302,531	97,371		10	864	11,060	**411,836**		70,997	58,894	**129,892**	8,181	632
319		Mar				260,853	89,034		7	1,100	13,022	**364,015**		75,980	62,626	**138,606**	8,999	450
320		Apr				211,130	80,743		9	1,146	13,001	**306,030**		73,681	60,354	**134,035**	8,959	440
321		May				148,937	68,766		10	1,732	13,019	**232,464**		73,666	60,224	**133,890**	9,580	488
322		Jun				111,206	62,912		12	2,304	13,531	**189,966**		70,946	60,793	**131,738**	9,569	588
323		Jul				105,813	60,899		15	2,687	13,940	**183,354**		74,687	61,364	**136,051**	10,110	865
324		Aug				105,537	60,855		18	2,748	14,706	**183,864**		78,991	62,637	**141,628**	10,379	903
325		Sep				104,710	62,138		16	2,454	14,519	**183,836**		78,563	61,753	**140,317**	9,668	798
326		Oct				133,908	67,633		15	1,816	14,621	**217,993**		76,417	65,646	**142,062**	9,435	618
327		Nov				224,530	83,446		13	1,326	14,164	**323,479**		72,749	63,052	**135,801**	9,430	480
328		Dec				367,463	106,267		9	898	14,322	**488,958**		76,216	67,000	**143,216**	9,631	487

2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)

MONTHLY FORECAST DATA

		Nonresidential Core					Total	Noncore - G-30				
		Residential	G-10	G-AC	G-GE	G-NGV	**Core**	G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)
Cold Year Throughput (Mth)												
2025	Jan	341,589	101,174	8	755	11,703	**455,229**	77,938	66,173	**144,112**	9,701	482
	Feb	297,000	94,959	10	864	11,300	**404,133**	70,137	57,143	**127,280**	8,196	620
	Mar	256,172	86,855	7	1,100	13,313	**357,446**	75,847	62,825	**138,672**	9,066	455
	Apr	207,469	78,799	9	1,146	13,288	**300,711**	73,463	60,487	**133,949**	8,981	506
	May	146,456	67,137	10	1,732	13,305	**228,641**	73,466	60,383	**133,849**	9,669	479
	Jun	109,456	61,446	12	2,304	13,834	**187,052**	70,755	60,926	**131,682**	9,617	578
	Jul	104,177	59,483	15	2,687	14,252	**180,613**	74,602	61,677	**136,279**	10,144	857
	Aug	103,907	59,439	18	2,748	15,041	**181,153**	78,871	62,906	**141,778**	10,497	899
	Sep	103,082	60,695	16	2,454	14,849	**181,095**	78,406	61,971	**140,377**	9,738	795
	Oct	131,726	66,049	15	1,816	14,961	**214,566**	76,065	65,626	**141,692**	9,541	620
	Nov	220,580	81,426	13	1,326	14,502	**317,847**	72,452	63,099	**135,551**	9,611	483
	Dec	360,674	103,601	9	898	14,663	**479,845**	76,002	67,155	**143,157**	9,679	489
2026	Jan	335,565	98,896	8	755	11,960	**447,184**	77,695	66,286	**143,981**	9,750	483
	Feb	291,776	92,836	10	864	11,552	**397,037**	69,887	57,231	**127,118**	8,272	621
	Mar	251,755	84,942	7	1,100	13,618	**351,422**	75,508	62,819	**138,327**	9,203	459
	Apr	204,020	77,097	9	1,146	13,590	**295,862**	73,179	60,469	**133,648**	8,985	516
	May	144,124	65,718	10	1,732	13,606	**225,190**	73,145	60,322	**133,467**	9,676	514
	Jun	107,817	60,172	12	2,304	14,151	**184,456**	70,418	60,883	**131,301**	9,619	587
	Jul	102,645	58,253	15	2,687	14,581	**178,181**	74,377	61,716	**136,093**	10,205	858
	Aug	102,380	58,211	18	2,748	15,395	**178,752**	78,643	62,949	**141,592**	10,537	901
	Sep	101,556	59,443	16	2,454	15,197	**178,665**	78,186	62,021	**140,206**	9,798	796
	Oct	129,677	64,671	15	1,816	15,320	**211,499**	75,919	65,688	**141,607**	9,564	620
	Nov	216,856	79,658	13	1,326	14,858	**312,710**	72,240	63,078	**135,318**	9,584	482
	Dec	354,259	101,248	9	898	15,024	**471,438**	75,857	67,234	**143,091**	9,869	490
2027	Jan	329,189	96,740	8	755	12,246	**438,938**	77,606	66,417	**144,023**	9,839	483
	Feb	286,244	90,827	10	864	11,832	**389,777**	69,792	57,334	**127,126**	8,271	622
	Mar	247,065	83,136	7	1,100	13,958	**345,266**	75,387	62,903	**138,290**	9,201	460
	Apr	200,340	75,494	9	1,146	13,924	**290,913**	73,101	60,555	**133,656**	9,134	517
	May	141,621	64,383	10	1,732	13,939	**221,685**	73,057	60,396	**133,453**	9,744	580
	Jun	106,041	58,978	12	2,304	14,503	**181,838**	70,339	60,962	**131,301**	9,763	585
	Jul	100,981	57,100	15	2,687	14,945	**175,728**	74,320	61,804	**136,123**	10,238	860
	Aug	100,722	57,059	18	2,748	15,786	**176,333**	78,585	63,046	**141,630**	10,582	902
	Sep	99,900	58,269	16	2,454	15,583	**176,222**	78,129	62,116	**140,245**	9,756	796
	Oct	127,470	63,380	15	1,816	15,716	**208,398**	75,857	65,797	**141,654**	9,593	621
	Nov	212,891	77,990	13	1,326	15,252	**307,472**	72,183	63,192	**135,375**	9,659	484
	Dec	347,476	99,018	9	898	15,423	**462,824**	75,791	67,353	**143,144**	9,743	491
2028	Jan	322,492	94,549	8	755	12,546	**430,350**	77,499	66,558	**144,058**	9,840	484
	Feb	280,432	88,785	10	864	12,126	**382,216**	70,385	59,353	**129,738**	8,330	636
	Mar	242,126	81,295	7	1,100	14,315	**338,844**	75,259	63,009	**138,268**	9,290	460
	Apr	196,449	73,855	9	1,146	14,274	**285,734**	72,937	60,642	**133,580**	9,112	514
	May	138,960	63,014	10	1,732	14,289	**218,005**	72,897	60,489	**133,386**	9,928	502
	Jun	104,139	57,749	12	2,304	14,874	**179,078**	70,185	61,057	**131,243**	9,875	578
	Jul	99,195	55,914	15	2,687	15,327	**173,138**	74,137	61,899	**136,036**	10,404	861
	Aug	98,942	55,874	18	2,748	16,198	**173,779**	78,395	63,141	**141,536**	10,694	902
	Sep	98,125	57,061	16	2,454	15,988	**173,644**	77,939	62,205	**140,144**	10,018	797
	Oct	125,118	62,053	15	1,816	16,134	**205,135**	75,681	65,904	**141,586**	9,776	622
	Nov	208,705	76,287	13	1,326	15,667	**301,999**	72,008	63,299	**135,307**	9,809	485
	Dec	340,358	96,756	9	898	15,843	**453,863**	75,629	67,495	**143,125**	9,917	492

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
275	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion						Noncore - EOR				**Total**	
276						EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
277	**Cold Year Throughput (Mth)**																
278		2021	Jan			15,930	134,666	**9,406**	**150,596**	**160,001**		8,012	3,035	**11,046**		**317,775**	
279			Feb			14,487	94,983	**8,032**	**109,470**	**117,502**		7,236	2,741	**9,977**		**246,188**	
280			Mar			17,138	143,932	**9,720**	**161,070**	**170,790**		8,012	3,035	**11,046**		**327,445**	
281			Apr			16,251	153,890	**9,340**	**170,140**	**179,480**		7,753	2,937	**10,690**		**325,733**	
282			May			17,315	152,067	**10,535**	**169,383**	**179,917**		8,012	3,035	**11,046**		**319,507**	
283			Jun			18,056	202,803	**12,195**	**220,859**	**233,055**		7,753	2,937	**10,690**		**374,813**	
284			Jul			18,130	295,909	**14,785**	**314,039**	**328,824**		8,012	3,035	**11,046**		**465,346**	
285			Aug			18,298	261,626	**13,003**	**279,923**	**292,927**		8,012	3,035	**11,046**		**441,733**	
286			Sep			17,458	199,586	**11,164**	**217,044**	**228,208**		7,753	2,937	**10,690**		**377,210**	
287			Oct			16,198	179,037	**10,104**	**195,235**	**205,339**		8,012	3,035	**11,046**		**359,336**	
288			Nov			16,641	168,035	**10,076**	**184,676**	**194,752**		7,753	2,937	**10,690**		**339,735**	
289			Dec			17,262	150,538	**9,949**	**167,800**	**177,749**		8,012	3,035	**11,046**		**335,222**	
290																	
291		2022	Jan			17,842	161,033	**10,208**	**178,874**	**189,082**		9,599	3,784	**13,383**		**347,378**	
292			Feb			15,986	146,234	**8,847**	**162,220**	**171,067**		8,670	3,418	**12,088**		**311,121**	
293			Mar			17,646	162,097	**9,608**	**179,743**	**189,351**		9,599	3,784	**13,383**		**341,250**	
294			Apr			17,154	155,185	**9,453**	**172,339**	**181,792**		9,289	3,662	**12,952**		**328,793**	
295			May			18,741	174,902	**10,213**	**193,643**	**203,857**		9,599	3,784	**13,383**		**351,063**	
296			Jun			18,224	185,771	**10,198**	**203,995**	**214,193**		9,289	3,662	**12,952**		**358,404**	
297			Jul			19,937	210,464	**10,987**	**230,401**	**241,388**		9,599	3,784	**13,383**		**389,969**	
298			Aug			20,268	225,241	**11,378**	**245,508**	**256,886**		9,599	3,784	**13,383**		**411,023**	
299			Sep			19,157	208,852	**10,581**	**228,009**	**238,590**		9,289	3,662	**12,952**		**391,325**	
300			Oct			17,965	175,580	**10,057**	**193,545**	**203,602**		9,599	3,784	**13,383**		**359,040**	
301			Nov			17,722	158,304	**10,066**	**176,025**	**186,091**		9,289	3,662	**12,952**		**334,447**	
302			Dec			18,107	165,901	**10,153**	**184,008**	**194,162**		9,599	3,784	**13,383**		**350,386**	
303																	
304		2023	Jan			17,894	165,063	**10,290**	**182,957**	**193,247**		9,599	3,784	**13,383**		**351,271**	
305			Feb			15,862	145,197	**8,921**	**161,060**	**169,981**		8,670	3,418	**12,088**		**308,963**	
306			Mar			17,729	163,131	**9,571**	**180,860**	**190,431**		9,599	3,784	**13,383**		**342,508**	
307			Apr			17,254	154,779	**9,464**	**172,033**	**181,497**		9,289	3,662	**12,952**		**329,172**	
308			May			18,755	174,929	**10,045**	**193,684**	**203,729**		9,599	3,784	**13,383**		**351,737**	
309			Jun			18,003	185,541	**10,045**	**203,544**	**213,589**		9,289	3,662	**12,952**		**358,962**	
310			Jul			19,694	208,936	**10,901**	**228,630**	**239,531**		9,599	3,784	**13,383**		**389,178**	
311			Aug			20,041	217,660	**11,301**	**237,701**	**249,002**		9,599	3,784	**13,383**		**404,219**	
312			Sep			19,029	203,974	**10,510**	**223,003**	**233,512**		9,289	3,662	**12,952**		**387,314**	
313			Oct			17,836	173,708	**9,967**	**191,544**	**201,511**		9,599	3,784	**13,383**		**355,707**	
314			Nov			17,472	157,971	**9,976**	**175,443**	**185,419**		9,289	3,662	**12,952**		**333,653**	
315			Dec			18,055	165,858	**10,111**	**183,913**	**194,025**		9,599	3,784	**13,383**		**350,424**	
316																	
317		2024	Jan			18,101	148,539	**10,184**	**166,640**	**176,824**		9,599	3,784	**13,383**		**334,144**	
318			Feb			16,379	138,206	**8,814**	**154,586**	**163,399**		8,670	3,418	**12,088**		**305,379**	
319			Mar			17,769	146,423	**9,449**	**164,192**	**173,641**		9,599	3,784	**13,383**		**325,631**	
320			Apr			17,272	141,240	**9,399**	**158,512**	**167,911**		9,289	3,662	**12,952**		**314,897**	
321			May			18,770	154,331	**10,068**	**173,101**	**183,169**		9,599	3,784	**13,383**		**330,443**	
322			Jun			18,130	162,497	**10,157**	**180,626**	**190,783**		9,289	3,662	**12,952**		**335,473**	
323			Jul			19,749	189,919	**10,975**	**209,668**	**220,643**		9,599	3,784	**13,383**		**370,077**	
324			Aug			19,949	196,909	**11,282**	**216,858**	**228,140**		9,599	3,784	**13,383**		**383,151**	
325			Sep			18,922	180,442	**10,465**	**199,364**	**209,829**		9,289	3,662	**12,952**		**363,097**	
326			Oct			18,132	160,066	**10,053**	**178,197**	**188,250**		9,599	3,784	**13,383**		**343,696**	
327			Nov			17,897	143,350	**9,910**	**161,247**	**171,158**		9,289	3,662	**12,952**		**319,910**	
328			Dec			18,265	152,035	**10,117**	**170,300**	**180,417**		9,599	3,784	**13,383**		**337,016**	

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
275	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion						Noncore - EOR				**Total**	
276						EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**	
277	**Cold Year Throughput (Mth)**																
329																	
330	2025	Jan				18,179	140,365	**10,183**	**158,544**	**168,727**		9,599	3,784	**13,383**		**326,222**	
331		Feb				16,174	126,452	**8,816**	**142,627**	**151,443**		8,670	3,418	**12,088**		**290,810**	
332		Mar				17,879	138,440	**9,521**	**156,319**	**165,839**		9,599	3,784	**13,383**		**317,895**	
333		Apr				17,366	133,534	**9,487**	**150,901**	**160,388**		9,289	3,662	**12,952**		**307,289**	
334		May				18,874	146,500	**10,148**	**165,374**	**175,523**		9,599	3,784	**13,383**		**322,755**	
335		Jun				18,227	152,960	**10,195**	**171,187**	**181,382**		9,289	3,662	**12,952**		**326,016**	
336		Jul				19,797	176,015	**11,001**	**195,812**	**206,813**		9,599	3,784	**13,383**		**356,475**	
337		Aug				20,065	182,690	**11,396**	**202,754**	**214,150**		9,599	3,784	**13,383**		**369,311**	
338		Sep				19,033	171,141	**10,534**	**190,175**	**200,708**		9,289	3,662	**12,952**		**354,036**	
339		Oct				18,219	151,214	**10,162**	**169,432**	**179,594**		9,599	3,784	**13,383**		**334,669**	
340		Nov				18,066	136,169	**10,094**	**154,234**	**164,328**		9,289	3,662	**12,952**		**312,831**	
341		Dec				18,353	145,011	**10,168**	**163,364**	**173,532**		9,599	3,784	**13,383**		**330,073**	
342																	
343	2026	Jan				18,209	138,129	**10,233**	**156,339**	**166,571**		9,311	3,671	**12,982**		**323,534**	
344		Feb				16,157	122,034	**8,893**	**138,191**	**147,084**		8,410	3,316	**11,725**		**285,928**	
345		Mar				17,901	135,928	**9,662**	**153,829**	**163,490**		9,311	3,671	**12,982**		**314,799**	
346		Apr				17,395	128,557	**9,501**	**145,953**	**155,454**		9,011	3,552	**12,563**		**301,665**	
347		May				18,901	139,408	**10,189**	**158,309**	**168,498**		9,311	3,671	**12,982**		**314,948**	
348		Jun				18,258	148,320	**10,205**	**166,578**	**176,783**		9,011	3,552	**12,563**		**320,647**	
349		Jul				19,871	171,526	**11,063**	**191,397**	**202,460**		9,311	3,671	**12,982**		**351,534**	
350		Aug				20,150	178,720	**11,439**	**198,870**	**210,309**		9,311	3,671	**12,982**		**364,883**	
351		Sep				19,196	169,250	**10,595**	**188,446**	**199,040**		9,011	3,552	**12,563**		**351,809**	
352		Oct				18,252	147,649	**10,185**	**165,901**	**176,085**		9,311	3,671	**12,982**		**330,674**	
353		Nov				18,126	134,171	**10,065**	**152,297**	**162,363**		9,011	3,552	**12,563**		**310,244**	
354		Dec				18,374	140,636	**10,359**	**159,010**	**169,369**		9,311	3,671	**12,982**		**325,443**	
355																	
356	2027	Jan				18,212	130,452	**10,322**	**148,664**	**158,986**		9,032	3,561	**12,592**		**315,601**	
357		Feb				16,260	117,673	**8,893**	**133,932**	**142,825**		8,158	3,216	**11,374**		**281,325**	
358		Mar				17,922	128,105	**9,660**	**146,027**	**155,688**		9,032	3,561	**12,592**		**306,570**	
359		Apr				17,416	122,021	**9,651**	**139,437**	**149,088**		8,740	3,446	**12,186**		**294,930**	
360		May				18,992	132,440	**10,324**	**151,432**	**161,755**		9,032	3,561	**12,592**		**307,801**	
361		Jun				18,288	139,883	**10,348**	**158,171**	**168,519**		8,740	3,446	**12,186**		**312,006**	
362		Jul				20,071	166,361	**11,098**	**186,431**	**197,529**		9,032	3,561	**12,592**		**346,244**	
363		Aug				20,379	184,949	**11,484**	**205,328**	**216,811**		9,032	3,561	**12,592**		**371,034**	
364		Sep				19,673	173,596	**10,552**	**193,269**	**203,821**		8,740	3,446	**12,186**		**356,252**	
365		Oct				18,274	143,932	**10,214**	**162,206**	**172,421**		9,032	3,561	**12,592**		**326,666**	
366		Nov				18,208	128,576	**10,144**	**146,783**	**156,927**		8,740	3,446	**12,186**		**304,488**	
367		Dec				18,399	137,893	**10,234**	**156,292**	**166,526**		9,032	3,561	**12,592**		**322,262**	
368																	
369	2028	Jan				18,150	123,844	**10,324**	**141,995**	**152,319**		8,761	3,454	**12,215**		**308,591**	
370		Feb				16,126	117,017	**8,966**	**133,144**	**142,110**		7,913	3,120	**11,032**		**282,880**	
371		Mar				17,963	123,158	**9,750**	**141,121**	**150,871**		8,761	3,454	**12,215**		**301,354**	
372		Apr				17,492	119,017	**9,626**	**136,509**	**146,135**		8,478	3,342	**11,820**		**291,535**	
373		May				18,967	129,045	**10,430**	**148,011**	**158,441**		8,761	3,454	**12,215**		**304,042**	
374		Jun				18,222	133,719	**10,452**	**151,941**	**162,393**		8,478	3,342	**11,820**		**305,456**	
375		Jul				19,738	154,614	**11,265**	**174,352**	**185,617**		8,761	3,454	**12,215**		**333,867**	
376		Aug				20,096	164,301	**11,596**	**184,397**	**195,992**		8,761	3,454	**12,215**		**349,743**	
377		Sep				19,183	152,678	**10,814**	**171,861**	**182,675**		8,478	3,342	**11,820**		**334,640**	
378		Oct				18,120	135,629	**10,398**	**153,750**	**164,148**		8,761	3,454	**12,215**		**317,948**	
379		Nov				18,051	121,487	**10,295**	**139,537**	**149,832**		8,478	3,342	**11,820**		**296,959**	
380		Dec				18,191	129,849	**10,409**	**148,040**	**158,449**		8,761	3,454	**12,215**		**313,788**	

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**														
275	***MONTHLY FORECAST DATA***					Wholesale Noncore				**Total**		International NC		**Total**	
276						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
277	**Cold Year Throughput (Mth)**														
278	2021	Jan				9,193	**104,071**	11,576	7,538	**132,378**		9,551		**459,705**	
279		Feb				9,697	**85,204**	10,477	5,954	**111,333**		8,077		**365,598**	
280		Mar				7,632	**89,936**	9,855	5,865	**113,288**		10,078		**450,811**	
281		Apr				7,497	**78,258**	6,499	7,202	**99,456**		9,229		**434,418**	
282		May				7,311	**76,541**	4,107	7,761	**95,720**		9,502		**424,729**	
283		Jun				6,150	**73,052**	3,712	7,787	**90,701**		12,265		**477,778**	
284		Jul				6,066	**86,212**	2,789	8,161	**103,227**		12,238		**580,811**	
285		Aug				5,535	**73,882**	2,882	7,903	**90,201**		12,752		**544,686**	
286		Sep				5,753	**70,155**	2,910	7,522	**86,339**		12,092		**475,641**	
287		Oct				6,187	**81,885**	3,601	8,154	**99,827**		9,608		**468,771**	
288		Nov				8,139	**96,337**	4,888	7,262	**116,626**		9,355		**465,715**	
289		Dec				11,569	**117,052**	7,840	7,114	**143,574**		9,574		**488,371**	
290															
291	2022	Jan				10,228	**108,038**	**12,700**	8,040	**139,006**		9,730		**496,114**	
292		Feb				10,732	**97,389**	**10,121**	6,665	**124,907**		8,652		**444,680**	
293		Mar				8,276	**92,847**	**8,527**	7,149	**116,799**		10,799		**468,847**	
294		Apr				7,980	**82,832**	**5,838**	7,691	**104,341**		10,577		**443,711**	
295		May				7,580	**72,611**	**4,423**	7,702	**92,317**		10,872		**454,253**	
296		Jun				6,295	**66,703**	**3,075**	8,047	**84,119**		12,967		**455,490**	
297		Jul				6,190	**70,119**	**2,579**	8,578	**87,466**		13,272		**490,707**	
298		Aug				5,647	**72,177**	**2,802**	8,726	**89,351**		13,414		**513,789**	
299		Sep				5,876	**70,848**	**2,946**	8,165	**87,835**		12,786		**491,946**	
300		Oct				6,380	**72,276**	**4,490**	8,574	**91,720**		10,995		**461,756**	
301		Nov				8,771	**84,744**	**7,968**	7,506	**108,988**		10,727		**454,162**	
302		Dec				12,923	**111,317**	**12,294**	8,101	**144,635**		10,965		**505,987**	
303															
304	2023	Jan				10,275	**104,715**	**12,824**	7,940	**135,755**		10,444		**497,470**	
305		Feb				10,809	**94,293**	**10,219**	6,920	**122,241**		9,370		**440,574**	
306		Mar				8,323	**89,549**	**8,609**	6,809	**113,290**		11,517		**467,316**	
307		Apr				8,018	**79,265**	**5,894**	7,518	**100,696**		10,611		**440,479**	
308		May				7,618	**69,635**	**4,466**	7,828	**89,547**		10,906		**452,190**	
309		Jun				6,323	**63,513**	**3,104**	8,254	**81,193**		13,001		**453,157**	
310		Jul				6,228	**66,179**	**2,603**	8,484	**83,495**		13,306		**485,979**	
311		Aug				5,676	**67,360**	**2,828**	8,738	**84,602**		13,449		**502,270**	
312		Sep				5,895	**66,741**	**2,974**	7,997	**83,606**		12,820		**483,741**	
313		Oct				6,419	**68,783**	**4,533**	8,691	**88,425**		11,029		**455,162**	
314		Nov				8,809	**81,643**	**8,045**	8,174	**106,671**		10,761		**451,085**	
315		Dec				12,970	**107,034**	**12,416**	7,911	**140,331**		11,000		**501,756**	
316															
317	2024	Jan				10,313	**99,561**	**12,951**	7,940	**130,765**		10,480		**475,390**	
318		Feb				10,856	**91,227**	**10,446**	7,249	**119,779**		9,407		**434,565**	
319		Mar				8,361	**84,598**	**8,693**	7,399	**109,051**		11,555		**446,237**	
320		Apr				8,066	**74,702**	**5,951**	7,090	**95,809**		10,650		**421,356**	
321		May				7,657	**65,112**	**4,509**	7,686	**84,963**		10,945		**426,351**	
322		Jun				6,361	**59,330**	**3,134**	8,206	**77,031**		13,041		**425,544**	
323		Jul				6,257	**62,438**	**2,628**	9,129	**80,452**		13,346		**463,875**	
324		Aug				5,704	**62,584**	**2,855**	8,537	**79,681**		13,489		**476,321**	
325		Sep				5,923	**61,873**	**3,002**	8,173	**78,971**		12,861		**454,930**	
326		Oct				6,438	**64,797**	**4,576**	9,006	**84,817**		11,070		**439,583**	
327		Nov				8,847	**77,439**	**8,123**	7,747	**102,156**		10,803		**432,869**	
328		Dec				13,028	**102,476**	**12,538**	8,235	**136,277**		11,042		**484,335**	

	A	B	C	D	E	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**														
275	***MONTHLY FORECAST DATA***					Wholesale Noncore				**Total**		International NC		**Total**	
276						Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**	
277	**Cold Year Throughput (Mth)**														
329															
330	2025	Jan				10,361	**97,628**	**13,078**	8,295	**129,362**		10,522		**466,106**	
331		Feb				10,904	**87,048**	**10,420**	7,077	**115,449**		9,449		**415,709**	
332		Mar				8,399	**81,633**	**8,777**	7,319	**106,129**		11,597		**435,622**	
333		Apr				8,104	**71,438**	**6,008**	7,519	**93,069**		10,692		**411,050**	
334		May				7,704	**62,518**	**4,552**	7,672	**82,446**		10,988		**416,189**	
335		Jun				6,409	**58,473**	**3,163**	8,399	**76,444**		13,084		**415,544**	
336		Jul				6,285	**60,331**	**2,653**	8,774	**78,043**		13,389		**447,907**	
337		Aug				5,742	**59,801**	**2,882**	8,744	**77,169**		13,532		**460,012**	
338		Sep				5,961	**58,070**	**3,030**	8,693	**75,755**		12,904		**442,696**	
339		Oct				6,476	**61,695**	**4,620**	8,682	**81,472**		11,114		**427,255**	
340		Nov				8,885	**74,741**	**8,201**	7,923	**99,750**		10,846		**423,428**	
341		Dec				13,085	**99,931**	**12,660**	8,159	**133,834**		11,086		**474,993**	
342															
343	2026	Jan				10,409	**95,611**	**13,205**	8,709	**127,933**		10,567		**462,034**	
344		Feb				10,932	**86,461**	**10,520**	7,052	**114,967**		9,495		**410,389**	
345		Mar				8,447	**81,590**	**8,861**	7,332	**106,230**		11,644		**432,673**	
346		Apr				8,142	**71,416**	**6,065**	7,576	**93,199**		10,739		**405,604**	
347		May				7,742	**61,172**	**4,596**	7,931	**81,441**		11,035		**407,424**	
348		Jun				6,438	**57,035**	**3,193**	8,468	**75,134**		13,131		**408,912**	
349		Jul				6,323	**59,741**	**2,677**	9,113	**77,855**		13,437		**442,826**	
350		Aug				5,771	**61,680**	**2,909**	8,525	**78,885**		13,580		**457,347**	
351		Sep				5,990	**59,591**	**3,059**	8,548	**77,188**		12,952		**441,950**	
352		Oct				6,504	**61,703**	**4,663**	8,719	**81,590**		11,162		**423,425**	
353		Nov				8,923	**73,466**	**8,279**	8,066	**98,734**		10,895		**419,873**	
354		Dec				13,142	**97,955**	**12,782**	8,052	**131,931**		11,136		**468,510**	
355															
356	2027	Jan				10,447	**94,884**	**13,332**	8,068	**126,731**		10,608		**452,940**	
357		Feb				10,999	**84,595**	**10,621**	7,289	**113,505**		9,537		**404,367**	
358		Mar				8,485	**80,881**	**8,945**	7,426	**105,737**		11,686		**423,993**	
359		Apr				8,199	**69,109**	**6,122**	7,777	**91,207**		10,782		**396,919**	
360		May				7,780	**60,578**	**4,639**	7,931	**80,928**		11,079		**399,808**	
361		Jun				6,476	**57,842**	**3,223**	8,581	**76,122**		13,175		**401,302**	
362		Jul				6,352	**60,156**	**2,702**	8,934	**78,144**		13,480		**437,869**	
363		Aug				5,800	**58,313**	**2,936**	8,995	**76,043**		13,624		**460,701**	
364		Sep				6,028	**60,366**	**3,087**	8,569	**78,050**		12,996		**447,299**	
365		Oct				6,542	**61,912**	**4,706**	8,694	**81,854**		11,207		**419,727**	
366		Nov				8,961	**73,187**	**8,357**	8,521	**99,027**		10,940		**414,454**	
367		Dec				13,208	**97,156**	**12,904**	8,680	**131,948**		11,182		**465,392**	
368															
369	2028	Jan				10,494	**93,103**	**13,459**	8,414	**125,471**		10,650		**444,711**	
370		Feb				11,047	**83,631**	**10,853**	7,392	**112,923**		9,579		**405,383**	
371		Mar				8,533	**77,867**	**9,029**	7,576	**103,005**		11,729		**416,087**	
372		Apr				8,228	**69,041**	**6,179**	7,663	**91,111**		10,825		**393,471**	
373		May				7,828	**59,590**	**4,683**	7,849	**79,950**		11,122		**395,114**	
374		Jun				6,514	**55,907**	**3,253**	8,111	**73,785**		13,218		**392,459**	
375		Jul				6,390	**57,372**	**2,727**	8,995	**75,485**		13,524		**422,876**	
376		Aug				5,828	**59,015**	**2,962**	8,568	**76,374**		13,668		**439,784**	
377		Sep				6,047	**57,371**	**3,115**	8,442	**74,975**		13,041		**422,656**	
378		Oct				6,571	**60,012**	**4,750**	9,184	**80,517**		11,251		**409,716**	
379		Nov				9,009	**71,805**	**8,435**	8,307	**97,556**		10,985		**405,501**	
380		Dec				13,266	**95,450**	**13,026**	8,277	**130,019**		11,228		**455,035**	

	A	B	C	D	E	AO	AP	AQ	AR	AS	AT	AU
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**											
275	***MONTHLY FORECAST DATA***					**Total System End-Use Dmd**		**System Total (Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**Total System Throughput**
276												
277	**Cold Year Throughput (Mth)**											
278		2021	Jan			**943,411**		**3,043**		**2,626**	**7,504**	**953,541**
279			Feb			**795,055**		**2,839**		**2,213**	**6,324**	**803,592**
280			Mar			**829,752**		**2,677**		**2,310**	**6,600**	**838,662**
281			Apr			**752,772**		**2,509**		**2,096**	**5,987**	**760,855**
282			May			**666,089**		**2,149**		**1,854**	**5,298**	**673,241**
283			Jun			**674,718**		**2,249**		**1,878**	**5,367**	**681,963**
284			Jul			**770,603**		**2,486**		**2,145**	**6,129**	**778,878**
285			Aug			**734,721**		**2,370**		**2,045**	**5,844**	**742,610**
286			Sep			**665,589**		**2,219**		**1,853**	**5,294**	**672,736**
287			Oct			**694,441**		**2,240**		**1,933**	**5,523**	**701,897**
288			Nov			**801,675**		**2,672**		**2,232**	**6,376**	**810,283**
289			Dec			**997,841**		**3,219**		**2,778**	**7,937**	**1,008,556**
290												
291		2022	Jan			**974,971**		**3,145**		**2,714**	**7,755**	**985,439**
292			Feb			**869,774**		**3,106**		**2,421**	**6,918**	**879,114**
293			Mar			**844,141**		**2,723**		**2,350**	**6,714**	**853,205**
294			Apr			**758,867**		**2,530**		**2,113**	**6,036**	**767,016**
295			May			**693,330**		**2,237**		**1,930**	**5,515**	**700,774**
296			Jun			**650,542**		**2,168**		**1,811**	**5,174**	**657,528**
297			Jul			**678,837**		**2,190**		**1,890**	**5,399**	**686,126**
298			Aug			**702,378**		**2,266**		**1,955**	**5,587**	**709,919**
299			Sep			**680,581**		**2,269**		**1,895**	**5,413**	**687,889**
300			Oct			**685,684**		**2,212**		**1,909**	**5,454**	**693,047**
301			Nov			**787,324**		**2,624**		**2,192**	**6,262**	**795,778**
302			Dec			**1,010,555**		**3,260**		**2,813**	**8,038**	**1,021,406**
303												
304		2023	Jan			**969,436**		**3,127**		**2,699**	**7,711**	**979,846**
305			Feb			**859,526**		**3,070**		**2,393**	**6,836**	**868,756**
306			Mar			**837,399**		**2,701**		**2,331**	**6,660**	**846,391**
307			Apr			**751,427**		**2,505**		**2,092**	**5,977**	**759,496**
308			May			**688,214**		**2,220**		**1,916**	**5,474**	**695,604**
309			Jun			**645,858**		**2,153**		**1,798**	**5,137**	**652,793**
310			Jul			**671,904**		**2,167**		**1,871**	**5,344**	**679,119**
311			Aug			**688,678**		**2,222**		**1,917**	**5,478**	**696,072**
312			Sep			**670,158**		**2,234**		**1,866**	**5,330**	**677,354**
313			Oct			**676,357**		**2,182**		**1,883**	**5,380**	**683,619**
314			Nov			**779,778**		**2,599**		**2,171**	**6,202**	**788,151**
315			Dec			**999,104**		**3,223**		**2,781**	**7,947**	**1,009,832**
316												
317		2024	Jan			**939,335**		**3,030**		**2,615**	**7,471**	**949,421**
318			Feb			**846,401**		**2,919**		**2,356**	**6,732**	**855,489**
319			Mar			**810,252**		**2,614**		**2,256**	**6,445**	**818,953**
320			Apr			**727,385**		**2,425**		**2,025**	**5,785**	**735,196**
321			May			**658,815**		**2,125**		**1,834**	**5,240**	**665,890**
322			Jun			**615,510**		**2,052**		**1,714**	**4,896**	**622,119**
323			Jul			**647,228**		**2,088**		**1,802**	**5,148**	**654,178**
324			Aug			**660,184**		**2,130**		**1,838**	**5,251**	**667,273**
325			Sep			**638,766**		**2,129**		**1,778**	**5,081**	**645,625**
326			Oct			**657,576**		**2,121**		**1,831**	**5,230**	**664,637**
327			Nov			**756,348**		**2,521**		**2,106**	**6,016**	**764,470**
328			Dec			**973,293**		**3,140**		**2,710**	**7,741**	**983,744**

	A	B	C	D	E	AO	AP	AQ	AR	AS	AT	AU
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**											
275	***MONTHLY FORECAST DATA***					**Total System End-Use Dmd**		**System Total (Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**Total System Throughput**
276												
277	**Cold Year Throughput (Mth)**											
329												
330		2025 Jan				**921,335**		**2,972**		**2,565**	**7,328**	**931,228**
331		Feb				**819,841**		**2,928**		**2,282**	**6,521**	**828,645**
332		Mar				**793,068**		**2,558**		**2,208**	**6,308**	**801,583**
333		Apr				**711,761**		**2,373**		**1,982**	**5,661**	**719,403**
334		May				**644,830**		**2,080**		**1,795**	**5,129**	**651,754**
335		Jun				**602,595**		**2,009**		**1,678**	**4,793**	**609,066**
336		Jul				**628,520**		**2,027**		**1,750**	**4,999**	**635,269**
337		Aug				**641,165**		**2,068**		**1,785**	**5,100**	**648,050**
338		Sep				**623,790**		**2,079**		**1,737**	**4,961**	**630,488**
339		Oct				**641,822**		**2,070**		**1,787**	**5,105**	**648,713**
340		Nov				**741,274**		**2,471**		**2,064**	**5,896**	**749,234**
341		Dec				**954,838**		**3,080**		**2,658**	**7,595**	**965,091**
342												
343		2026 Jan				**909,219**		**2,933**		**2,531**	**7,232**	**918,982**
344		Feb				**807,427**		**2,884**		**2,248**	**6,422**	**816,097**
345		Mar				**784,094**		**2,529**		**2,183**	**6,236**	**792,514**
346		Apr				**701,466**		**2,338**		**1,953**	**5,579**	**708,998**
347		May				**632,614**		**2,041**		**1,761**	**5,032**	**639,407**
348		Jun				**593,368**		**1,978**		**1,652**	**4,719**	**599,740**
349		Jul				**621,007**		**2,003**		**1,729**	**4,939**	**627,675**
350		Aug				**636,099**		**2,052**		**1,771**	**5,059**	**642,929**
351		Sep				**620,615**		**2,069**		**1,728**	**4,936**	**627,279**
352		Oct				**634,924**		**2,048**		**1,768**	**5,050**	**641,742**
353		Nov				**732,583**		**2,442**		**2,039**	**5,827**	**740,450**
354		Dec				**939,948**		**3,032**		**2,617**	**7,476**	**950,041**
355												
356		2027 Jan				**891,878**		**2,877**		**2,483**	**7,094**	**901,454**
357		Feb				**794,144**		**2,836**		**2,211**	**6,316**	**802,671**
358		Mar				**769,259**		**2,481**		**2,142**	**6,118**	**777,519**
359		Apr				**687,832**		**2,293**		**1,915**	**5,471**	**695,218**
360		May				**621,492**		**2,005**		**1,730**	**4,943**	**628,166**
361		Jun				**583,140**		**1,944**		**1,623**	**4,638**	**589,402**
362		Jul				**613,597**		**1,979**		**1,708**	**4,880**	**620,185**
363		Aug				**637,034**		**2,055**		**1,773**	**5,067**	**643,874**
364		Sep				**623,520**		**2,078**		**1,736**	**4,959**	**630,215**
365		Oct				**628,125**		**2,026**		**1,749**	**4,996**	**634,869**
366		Nov				**721,926**		**2,406**		**2,010**	**5,742**	**729,678**
367		Dec				**928,216**		**2,994**		**2,584**	**7,383**	**938,183**
368												
369		2028 Jan				**875,061**		**2,823**		**2,436**	**6,960**	**884,457**
370		Feb				**787,599**		**2,716**		**2,193**	**6,264**	**796,056**
371		Mar				**754,931**		**2,435**		**2,102**	**6,005**	**763,037**
372		Apr				**679,205**		**2,264**		**1,891**	**5,402**	**686,498**
373		May				**613,119**		**1,978**		**1,707**	**4,877**	**619,702**
374		Jun				**571,537**		**1,905**		**1,591**	**4,546**	**577,674**
375		Jul				**596,014**		**1,923**		**1,659**	**4,741**	**602,414**
376		Aug				**613,563**		**1,979**		**1,708**	**4,880**	**620,152**
377		Sep				**596,300**		**1,988**		**1,660**	**4,743**	**602,703**
378		Oct				**614,851**		**1,983**		**1,712**	**4,890**	**621,454**
379		Nov				**707,499**		**2,358**		**1,970**	**5,627**	**715,096**
380		Dec				**908,898**		**2,932**		**2,530**	**7,229**	**918,658**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																		
383							Nonresidential Core					**Total**		Noncore - G-30					Nonco
384	**Peak Day Throughput (Mth/Day)**					Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)
385	2021					23,717	5,669		0	28	435	**29,849**		3,163	2,810	**5,973**	280	40	671
386	2022					23,458	5,680		0	29	443	**29,611**		3,106	2,715	**5,821**	**319**	**19**	**618**
387	2023					23,159	5,542		0	29	452	**29,182**		3,113	2,715	**5,828**	**335**	**29**	**621**
388	2024					22,815	5,412		0	29	462	**28,719**		3,111	2,725	**5,837**	**320**	**24**	**623**
389	2025					22,441	5,291		0	29	473	**28,234**		3,103	2,732	**5,835**	**323**	**25**	**626**
390	2026					22,081	5,184		0	29	485	**27,779**		3,097	2,735	**5,833**	**325**	**17**	**627**
391	2027					21,711	5,081		0	29	498	**27,319**		3,095	2,740	**5,835**	**328**	**25**	**628**
392	2028					21,333	4,978		0	29	511	**26,851**		3,089	2,746	**5,835**	**323**	**18**	**630**

	A	B	C	D	E	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																		
383						re - Electric Generatiion					Noncore - EOR				**Total**		Wholesale Noncore		
384	**Peak Day Throughput (Mth/Day)**					EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**		Long Beach	SDG&E	Southwest Gas
385	2021					5,455	**319**	**6,127**	**6,446**		258	98	**356**		**12,775**		652	**6,763**	547
386	2022					**5,889**	**338**	**6,507**	**6,846**		310	122	**432**		**13,099**		**652**	**5,651**	**566**
387	2023					**5,773**	**364**	**6,394**	**6,758**		310	122	**432**		**13,018**		**654**	**5,510**	**572**
388	2024					**5,453**	**343**	**6,076**	**6,420**		310	122	**432**		**12,688**		**657**	**5,384**	**577**
389	2025					**5,150**	**348**	**5,777**	**6,124**		310	122	**432**		**12,390**		**660**	**5,408**	**583**
390	2026					**4,963**	**342**	**5,590**	**5,932**		300	118	**419**		**12,183**		**664**	**5,439**	**589**
391	2027					**5,206**	**353**	**5,834**	**6,187**		291	115	**406**		**12,429**		**667**	**5,422**	**595**
392	2028					**4,890**	**341**	**5,520**	**5,861**		283	111	**394**		**12,090**		**670**	**5,146**	**600**

	A	B	C	D	E	AH	AI	AJ	AK	AL	AM	AN	AO	AP
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**													
383							**Total**		International NC		**Total**		**Total System End-**	
384	**Peak Day Throughput (Mth/Day)**					Vernon	**Wholesale**		Ecogas		**Noncore**		**Use Dmd**	
385	2021					275	**8,237**		338		**21,349**		**51,199**	
386	2022					**278**	**7,147**		387		**20,632**		**50,243**	
387	2023					**279**	**7,015**		376		**20,409**		**49,591**	
388	2024					**286**	**6,905**		377		**19,970**		**48,689**	
389	2025					**290**	**6,942**		378		**19,710**		**47,945**	
390	2026					**297**	**6,989**		380		**19,552**		**47,331**	
391	2027					**299**	**6,983**		381		**19,793**		**47,112**	
392	2028					**212**	**6,629**		383		**19,102**		**45,953**	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**															
395	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30		
396						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**
397	**Forecast Number of Customers**															
398	2021	Jan				5,654,010	202,552		4	657	340	**5,857,563**		526	30	**556**
399		Feb				5,656,872	202,636		4	656	340	**5,860,508**		526	30	**556**
400		Mar				5,659,684	202,720		4	651	340	**5,863,399**		526	30	**556**
401		Apr				5,661,555	202,550		4	657	340	**5,865,106**		526	30	**556**
402		May				5,663,924	202,502		5	656	340	**5,867,427**		526	30	**556**
403		Jun				5,665,690	202,419		5	652	340	**5,869,106**		526	30	**556**
404		Jul				5,669,612	202,464		4	652	340	**5,873,071**		526	30	**556**
405		Aug				5,672,333	202,224		4	651	340	**5,875,551**		526	30	**556**
406		Sep				5,674,939	202,013		5	652	340	**5,877,948**		526	30	**556**
407		Oct				5,680,619	202,058		4	651	340	**5,883,671**		526	30	**556**
408		Nov				5,681,549	202,134		5	649	340	**5,884,676**		526	30	**556**
409		Dec				5,684,765	202,445		5	639	340	**5,888,193**		526	30	**556**
410																
411	2022	Jan				5,694,757	203,967		5	672	348	**5,899,749**		526	30	**556**
412		Feb				5,697,801	203,757		5	671	348	**5,902,582**		526	30	**556**
413		Mar				5,700,845	203,552		5	666	348	**5,905,416**		526	30	**556**
414		Apr				5,704,716	203,237		5	672	348	**5,908,978**		526	30	**556**
415		May				5,706,933	203,124		5	671	348	**5,911,081**		526	30	**556**
416		Jun				5,709,150	203,014		5	667	348	**5,913,184**		526	30	**556**
417		Jul				5,709,842	202,807		4	667	348	**5,913,668**		526	30	**556**
418		Aug				5,713,584	202,788		4	666	348	**5,917,390**		526	30	**556**
419		Sep				5,717,326	202,767		4	667	348	**5,921,112**		526	30	**556**
420		Oct				5,719,766	202,314		4	666	348	**5,923,098**		526	30	**556**
421		Nov				5,724,810	202,729		4	664	348	**5,928,555**		526	30	**556**
422		Dec				5,729,854	203,152		4	654	348	**5,934,012**		526	30	**556**
423																
424	2023	Jan				5,736,797	204,189		5	672	356	**5,942,019**		526	30	**556**
425		Feb				5,739,942	203,952		5	671	356	**5,944,926**		526	30	**556**
426		Mar				5,743,087	203,720		5	666	356	**5,947,834**		526	30	**556**
427		Apr				5,747,194	203,388		5	672	356	**5,951,615**		526	30	**556**
428		May				5,749,377	203,240		5	671	356	**5,953,649**		526	30	**556**
429		Jun				5,751,560	203,095		5	667	356	**5,955,683**		526	30	**556**
430		Jul				5,752,258	202,847		4	667	356	**5,956,132**		526	30	**556**
431		Aug				5,755,926	202,800		4	666	356	**5,959,752**		526	30	**556**
432		Sep				5,759,594	202,751		4	667	356	**5,963,372**		526	30	**556**
433		Oct				5,762,003	202,236		4	666	356	**5,965,265**		526	30	**556**
434		Nov				5,766,931	202,658		4	664	356	**5,970,613**		526	30	**556**
435		Dec				5,771,860	203,086		4	654	356	**5,975,960**		526	30	**556**
436																
437	2024	Jan				5,778,742	204,144		5	672	364	**5,983,927**		526	30	**556**
438		Feb				5,781,717	203,903		5	671	364	**5,986,660**		526	30	**556**
439		Mar				5,784,691	203,668		5	666	364	**5,989,394**		526	30	**556**
440		Apr				5,788,606	203,332		5	672	364	**5,992,979**		526	30	**556**
441		May				5,790,641	203,180		5	671	364	**5,994,861**		526	30	**556**
442		Jun				5,792,676	203,033		5	667	364	**5,996,745**		526	30	**556**
443		Jul				5,793,179	202,775		4	667	364	**5,996,989**		526	30	**556**
444		Aug				5,796,746	202,732		4	666	364	**6,000,512**		526	30	**556**
445		Sep				5,800,313	202,686		4	667	364	**6,004,034**		526	30	**556**
446		Oct				5,802,578	202,184		4	666	364	**6,005,796**		526	30	**556**
447		Nov				5,807,448	202,601		4	664	364	**6,011,081**		526	30	**556**
448		Dec				5,812,318	203,026		4	654	364	**6,016,366**		526	30	**556**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**															
395	***MONTHLY FORECAST DATA***						Nonresidential Core					**Total**		Noncore - G-30		
396						Residential	G-10		G-AC	G-GE	G-NGV	**Core**		G-30 (Dist.)	G-30 (Trans.)	**G-30 (Total)**
397	**Forecast Number of Customers**															
449																
450	2025	Jan				5,819,150	204,067		5	672	372	**6,024,266**		526	30	**556**
451		Feb				5,822,059	203,830		5	671	372	**6,026,937**		526	30	**556**
452		Mar				5,824,967	203,597		5	666	372	**6,029,607**		526	30	**556**
453		Apr				5,828,826	203,266		5	672	372	**6,033,141**		526	30	**556**
454		May				5,830,784	203,117		5	671	372	**6,034,949**		526	30	**556**
455		Jun				5,832,742	202,971		5	667	372	**6,036,757**		526	30	**556**
456		Jul				5,833,158	202,716		4	667	372	**6,036,917**		526	30	**556**
457		Aug				5,836,658	202,674		4	666	372	**6,040,374**		526	30	**556**
458		Sep				5,840,159	202,630		4	667	372	**6,043,832**		526	30	**556**
459		Oct				5,842,329	202,129		4	666	372	**6,045,500**		526	30	**556**
460		Nov				5,847,160	202,548		4	664	372	**6,050,748**		526	30	**556**
461		Dec				5,851,991	202,975		4	654	372	**6,055,996**		526	30	**556**
462																
463	2026	Jan				5,858,771	204,017		5	672	380	**6,063,845**		526	30	**556**
464		Feb				5,861,652	203,781		5	671	380	**6,066,489**		526	30	**556**
465		Mar				5,864,534	203,550		5	666	380	**6,069,135**		526	30	**556**
466		Apr				5,868,346	203,222		5	672	380	**6,072,625**		526	30	**556**
467		May				5,870,296	203,074		5	671	380	**6,074,426**		526	30	**556**
468		Jun				5,872,245	202,929		5	667	380	**6,076,226**		526	30	**556**
469		Jul				5,872,644	202,674		4	667	380	**6,076,369**		526	30	**556**
470		Aug				5,876,144	202,632		4	666	380	**6,079,826**		526	30	**556**
471		Sep				5,879,645	202,586		4	667	380	**6,083,282**		526	30	**556**
472		Oct				5,881,827	202,085		4	666	380	**6,084,962**		526	30	**556**
473		Nov				5,886,645	202,502		4	664	380	**6,090,195**		526	30	**556**
474		Dec				5,891,463	202,927		4	654	380	**6,095,428**		526	30	**556**
475																
476	2027	Jan				5,898,277	203,968		5	672	388	**6,103,310**		526	30	**556**
477		Feb				5,901,100	203,732		5	671	388	**6,105,896**		526	30	**556**
478		Mar				5,903,924	203,500		5	666	388	**6,108,483**		526	30	**556**
479		Apr				5,907,722	203,172		5	672	388	**6,111,959**		526	30	**556**
480		May				5,909,570	203,021		5	671	388	**6,113,655**		526	30	**556**
481		Jun				5,911,419	202,873		5	667	388	**6,115,352**		526	30	**556**
482		Jul				5,911,724	202,616		4	667	388	**6,115,399**		526	30	**556**
483		Aug				5,915,115	202,571		4	666	388	**6,118,744**		526	30	**556**
484		Sep				5,918,506	202,523		4	667	388	**6,122,088**		526	30	**556**
485		Oct				5,920,577	202,018		4	666	388	**6,123,653**		526	30	**556**
486		Nov				5,925,288	202,435		4	664	388	**6,128,779**		526	30	**556**
487		Dec				5,929,998	202,859		4	654	388	**6,133,903**		526	30	**556**
488																
489	2028	Jan				5,936,715	203,899		5	672	395	**6,141,687**		526	30	**556**
490		Feb				5,939,418	203,663		5	671	395	**6,144,153**		526	30	**556**
491		Mar				5,942,121	203,430		5	666	395	**6,146,618**		526	30	**556**
492		Apr				5,945,800	203,102		5	672	395	**6,149,975**		526	30	**556**
493		May				5,947,527	202,950		5	671	395	**6,151,549**		526	30	**556**
494		Jun				5,949,255	202,802		5	667	395	**6,153,125**		526	30	**556**
495		Jul				5,949,419	202,545		4	667	395	**6,153,031**		526	30	**556**
496		Aug				5,952,710	202,499		4	666	395	**6,156,274**		526	30	**556**
497		Sep				5,956,000	202,451		4	667	395	**6,159,517**		526	30	**556**
498		Oct				5,957,943	201,944		4	666	395	**6,160,952**		526	30	**556**
499		Nov				5,962,581	202,360		4	664	395	**6,166,004**		526	30	**556**
500		Dec				5,967,218	202,784		4	654	395	**6,171,054**		526	30	**556**

	A	B	C	D	E	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
395	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion								Noncore - EOR				**Total**
396						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**
397	**Forecast Number of Customers**																	
398	2021	Jan				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
399		Feb				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
400		Mar				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
401		Apr				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
402		May				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
403		Jun				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
404		Jul				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
405		Aug				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
406		Sep				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
407		Oct				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
408		Nov				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
409		Dec				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
410																		
411	2022	Jan				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
412		Feb				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
413		Mar				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
414		Apr				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
415		May				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
416		Jun				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
417		Jul				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
418		Aug				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
419		Sep				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
420		Oct				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
421		Nov				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
422		Dec				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
423																		
424	2023	Jan				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
425		Feb				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
426		Mar				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
427		Apr				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
428		May				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
429		Jun				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
430		Jul				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
431		Aug				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
432		Sep				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
433		Oct				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
434		Nov				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
435		Dec				310	13	25	39	**323**	**64**	**387**		18	14	**32**		**975**
436																		
437	2024	Jan				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
438		Feb				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
439		Mar				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
440		Apr				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
441		May				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
442		Jun				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
443		Jul				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
444		Aug				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
445		Sep				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
446		Oct				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
447		Nov				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
448		Dec				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**

	A	B	C	D	E	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																	
395	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion								Noncore - EOR				**Total**
396						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**		EOR (Dist.)	EOR (Trans.)	**EOR (Total)**		**Retail Noncore**
397	**Forecast Number of Customers**																	
449																		
450	2025	Jan				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
451		Feb				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
452		Mar				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
453		Apr				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
454		May				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
455		Jun				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
456		Jul				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
457		Aug				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
458		Sep				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
459		Oct				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
460		Nov				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
461		Dec				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
462																		
463	2026	Jan				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
464		Feb				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
465		Mar				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
466		Apr				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
467		May				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
468		Jun				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
469		Jul				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
470		Aug				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
471		Sep				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
472		Oct				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
473		Nov				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
474		Dec				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
475																		
476	2027	Jan				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
477		Feb				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
478		Mar				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
479		Apr				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
480		May				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
481		Jun				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
482		Jul				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
483		Aug				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
484		Sep				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
485		Oct				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
486		Nov				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
487		Dec				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
488																		
489	2028	Jan				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
490		Feb				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
491		Mar				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
492		Apr				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
493		May				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
494		Jun				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
495		Jul				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
496		Aug				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
497		Sep				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
498		Oct				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
499		Nov				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**
500		Dec				309	13	25	35	**322**	**60**	**382**		18	14	**32**		**970**

	A	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
395	***MONTHLY FORECAST DATA***						Wholesale Noncore				**Total**		International NC		**Total**		**Total**
396							Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**		**System**
397	**Forecast Number of Customers**																
398		2021	Jan				1	1	1	1	**4**		1		**980**		**5,858,543**
399			Feb				1	1	1	1	**4**		1		**980**		**5,861,488**
400			Mar				1	1	1	1	**4**		1		**980**		**5,864,379**
401			Apr				1	1	1	1	**4**		1		**980**		**5,866,086**
402			May				1	1	1	1	**4**		1		**980**		**5,868,407**
403			Jun				1	1	1	1	**4**		1		**980**		**5,870,086**
404			Jul				1	1	1	1	**4**		1		**980**		**5,874,051**
405			Aug				1	1	1	1	**4**		1		**980**		**5,876,531**
406			Sep				1	1	1	1	**4**		1		**980**		**5,878,928**
407			Oct				1	1	1	1	**4**		1		**980**		**5,884,651**
408			Nov				1	1	1	1	**4**		1		**980**		**5,885,656**
409			Dec				1	1	1	1	**4**		1		**980**		**5,889,173**
410																	
411		2022	Jan				1	1	1	1	**4**		1		**980**		**5,900,729**
412			Feb				1	1	1	1	**4**		1		**980**		**5,903,562**
413			Mar				1	1	1	1	**4**		1		**980**		**5,906,396**
414			Apr				1	1	1	1	**4**		1		**980**		**5,909,958**
415			May				1	1	1	1	**4**		1		**980**		**5,912,061**
416			Jun				1	1	1	1	**4**		1		**980**		**5,914,164**
417			Jul				1	1	1	1	**4**		1		**980**		**5,914,648**
418			Aug				1	1	1	1	**4**		1		**980**		**5,918,370**
419			Sep				1	1	1	1	**4**		1		**980**		**5,922,092**
420			Oct				1	1	1	1	**4**		1		**980**		**5,924,078**
421			Nov				1	1	1	1	**4**		1		**980**		**5,929,535**
422			Dec				1	1	1	1	**4**		1		**980**		**5,934,992**
423																	
424		2023	Jan				1	1	1	1	**4**		1		**980**		**5,942,999**
425			Feb				1	1	1	1	**4**		1		**980**		**5,945,906**
426			Mar				1	1	1	1	**4**		1		**980**		**5,948,814**
427			Apr				1	1	1	1	**4**		1		**980**		**5,952,595**
428			May				1	1	1	1	**4**		1		**980**		**5,954,629**
429			Jun				1	1	1	1	**4**		1		**980**		**5,956,663**
430			Jul				1	1	1	1	**4**		1		**980**		**5,957,112**
431			Aug				1	1	1	1	**4**		1		**980**		**5,960,732**
432			Sep				1	1	1	1	**4**		1		**980**		**5,964,352**
433			Oct				1	1	1	1	**4**		1		**980**		**5,966,245**
434			Nov				1	1	1	1	**4**		1		**980**		**5,971,593**
435			Dec				1	1	1	1	**4**		1		**980**		**5,976,940**
436																	
437		2024	Jan				1	1	1	1	**4**		1		**975**		**5,984,902**
438			Feb				1	1	1	1	**4**		1		**975**		**5,987,635**
439			Mar				1	1	1	1	**4**		1		**975**		**5,990,369**
440			Apr				1	1	1	1	**4**		1		**975**		**5,993,954**
441			May				1	1	1	1	**4**		1		**975**		**5,995,836**
442			Jun				1	1	1	1	**4**		1		**975**		**5,997,720**
443			Jul				1	1	1	1	**4**		1		**975**		**5,997,964**
444			Aug				1	1	1	1	**4**		1		**975**		**6,001,487**
445			Sep				1	1	1	1	**4**		1		**975**		**6,005,009**
446			Oct				1	1	1	1	**4**		1		**975**		**6,006,771**
447			Nov				1	1	1	1	**4**		1		**975**		**6,012,056**
448			Dec				1	1	1	1	**4**		1		**975**		**6,017,341**

	A	B	C	D	E	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1	**2024 CAP: SoCalGas Consolidated Gas Demand Forecast Summary (Mtherms)**																
395	***MONTHLY FORECAST DATA***						Wholesale Noncore				**Total**		International NC		**Total**		**Total**
396							Long Beach	SDG&E	Southwest Gas	Vernon	**Wholesale**		Ecogas		**Noncore**		**System**
397	**Forecast Number of Customers**																
449																	
450	2025	Jan					1	1	1	1	**4**		1		**975**		**6,025,241**
451		Feb					1	1	1	1	**4**		1		**975**		**6,027,912**
452		Mar					1	1	1	1	**4**		1		**975**		**6,030,582**
453		Apr					1	1	1	1	**4**		1		**975**		**6,034,116**
454		May					1	1	1	1	**4**		1		**975**		**6,035,924**
455		Jun					1	1	1	1	**4**		1		**975**		**6,037,732**
456		Jul					1	1	1	1	**4**		1		**975**		**6,037,892**
457		Aug					1	1	1	1	**4**		1		**975**		**6,041,349**
458		Sep					1	1	1	1	**4**		1		**975**		**6,044,807**
459		Oct					1	1	1	1	**4**		1		**975**		**6,046,475**
460		Nov					1	1	1	1	**4**		1		**975**		**6,051,723**
461		Dec					1	1	1	1	**4**		1		**975**		**6,056,971**
462																	
463	2026	Jan					1	1	1	1	**4**		1		**975**		**6,064,820**
464		Feb					1	1	1	1	**4**		1		**975**		**6,067,464**
465		Mar					1	1	1	1	**4**		1		**975**		**6,070,110**
466		Apr					1	1	1	1	**4**		1		**975**		**6,073,600**
467		May					1	1	1	1	**4**		1		**975**		**6,075,401**
468		Jun					1	1	1	1	**4**		1		**975**		**6,077,201**
469		Jul					1	1	1	1	**4**		1		**975**		**6,077,344**
470		Aug					1	1	1	1	**4**		1		**975**		**6,080,801**
471		Sep					1	1	1	1	**4**		1		**975**		**6,084,257**
472		Oct					1	1	1	1	**4**		1		**975**		**6,085,937**
473		Nov					1	1	1	1	**4**		1		**975**		**6,091,170**
474		Dec					1	1	1	1	**4**		1		**975**		**6,096,403**
475																	
476	2027	Jan					1	1	1	1	**4**		1		**975**		**6,104,285**
477		Feb					1	1	1	1	**4**		1		**975**		**6,106,871**
478		Mar					1	1	1	1	**4**		1		**975**		**6,109,458**
479		Apr					1	1	1	1	**4**		1		**975**		**6,112,934**
480		May					1	1	1	1	**4**		1		**975**		**6,114,630**
481		Jun					1	1	1	1	**4**		1		**975**		**6,116,327**
482		Jul					1	1	1	1	**4**		1		**975**		**6,116,374**
483		Aug					1	1	1	1	**4**		1		**975**		**6,119,719**
484		Sep					1	1	1	1	**4**		1		**975**		**6,123,063**
485		Oct					1	1	1	1	**4**		1		**975**		**6,124,628**
486		Nov					1	1	1	1	**4**		1		**975**		**6,129,754**
487		Dec					1	1	1	1	**4**		1		**975**		**6,134,878**
488																	
489	2028	Jan					1	1	1	1	**4**		1		**975**		**6,142,662**
490		Feb					1	1	1	1	**4**		1		**975**		**6,145,128**
491		Mar					1	1	1	1	**4**		1		**975**		**6,147,593**
492		Apr					1	1	1	1	**4**		1		**975**		**6,150,950**
493		May					1	1	1	1	**4**		1		**975**		**6,152,524**
494		Jun					1	1	1	1	**4**		1		**975**		**6,154,100**
495		Jul					1	1	1	1	**4**		1		**975**		**6,154,006**
496		Aug					1	1	1	1	**4**		1		**975**		**6,157,249**
497		Sep					1	1	1	1	**4**		1		**975**		**6,160,492**
498		Oct					1	1	1	1	**4**		1		**975**		**6,161,927**
499		Nov					1	1	1	1	**4**		1		**975**		**6,166,979**
500		Dec					1	1	1	1	**4**		1		**975**		**6,172,029**

SDG&E Consolidated Gas Demand

Marginal Demand Measures (MDM)

Marginal Demand Measures (MDMs) are used for rate design and cost allocation calculations. Figure 1, below, shows the relationships among the various MDMs that are provided in the accompanying tables.

Figure 1

Diagram Depicting the Relationships

Among "Direct" and "Cumulative" MDMs

Direct Basis	**D_T**	T (Trans.)		
	D_H	H (High Press.)	H (High Press.)	
	D_M	M (Medium Press.)	M (Medium Press.)	M (Medium Press.)
		$C_T = D_T + D_H + D_M$	**$C_H = D_H + D_M$**	**$C_M = D_M$**
		Cumulative Basis		

For example, the MDM data in the tables below for Noncore C&I, Average Year throughput gas demand have *direct* values for various segments of pressure service:

D_T = 13,965 MTh, D_H = 2,747 MTh, and D_M = 32,591 MTh.

The corresponding *cumulative* totals are:

C_T = 49,303 MTh, C_H = 35,338 MTh, and C_M = 32,591 MTh,

using the formulas indicated in the Figure 1, above.

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

Btu Factor:	1.0298

	Co-Use-Fuel	UAF
	0.388%	2.223%
	0.399%	2.283%

MDM #Yrs Av (3- or 4-yr)
4

Forecast Summary	MDM	Nonresidential Core			Total			Noncore - C&I
		Residential	GN-3	G-NGV	Core	C&I (Dist.)	C&I (Trans.)	C&I
<< CAP Period >> January 2024 - December 2027								
DIRECT (%'s Load or Cust/Mtrs Sum to 100%)								
Transmission	%-Load:	0.00%	0.00%	0.00%				
	Average Year Throughput (MTh)	0	0	0	0	0	13,965	13,965
	Cold Year Throughput (1-in-35) (MTh)	0	0	0	0	0	13,965	13,965
	Cold Year Peak Month (December) (MTh)	0	0	0	0	0	1,167	1,167
	Peak Day (see note a/ below) (MTh)	-	-	-	0	0	38	38
	%-Cust/Mtrs:	0.0000%	0.0000%	0.0000%				
	Number of Customers	-	-	-	0	0	5	5
High Pressure	%-Load:	0.01%	1.86%	43.47%				
	Average Year Throughput (MTh)	18	3,333	10,075	13,426	2,747	0	2,747
	Cold Year Throughput (1-in-35) (MTh)	19	3,442	10,075	13,536	2,747	0	2,747
	Cold Year Peak Month (December) (MTh)	3	391	865	1,259	230	0	230
	Peak Day (see note a/ below) (MTh)	0	19	28	47	7	0	7
	%-Cust/Mtrs:	0.0002%	0.0156%	13.7931%				
	Number of Customers	2	5	5	12	5	0	5
Medium Pressure	%-Load:	99.99%	98.14%	56.53%				
	Average Year Throughput (MTh)	270,586	175,580	13,104	459,270	32,591	0	32,591
	Cold Year Throughput (1-in-35) (MTh)	298,699	181,329	13,104	493,131	32,591	0	32,591
	Cold Year Peak Month (December) (MTh)	43,868	20,592	1,125	65,584	2,724	0	2,724
	Peak Day (see note a/ below) (MTh)	3,040	996	36	4,072	88	0	88
	%-Cust/Mtrs:	99.9998%	99.9844%	86.2069%				
	Number of Customers	909,357	30,483	31	939,871	48	0	48
CUMULATIVE (Calc'd from DIRECT %'s)								
Transmission	%-Load:	100.0000%	100.0000%	100.0000%				
	Average Year Throughput (MTh)	270,604	178,913	23,179	472,696	35,337	13,965	49,302
	Cold Year Throughput (1-in-35) (MTh)	298,718	184,771	23,179	506,668	35,337	13,965	49,302
	Cold Year Peak Month (December) (MTh)	43,870	20,983	1,990	66,843	2,953	1,167	4,120
	Peak Day (see note a/ below) (MTh)	3,040	1,015	64	4,119	95	38	133
	%-Cust/Mtrs:	100.0000%	100.0000%	100.0000%				
	Number of Customers	909,359	30,488	36	939,883	53	5	58
High Pressure	%-Load:	100.0000%	100.0000%	100.0000%				
	Average Year Throughput (MTh)	270,604	178,913	23,179	472,696	35,337	0	35,337
	Cold Year Throughput (1-in-35) (MTh)	298,718	184,771	23,179	506,668	35,337	0	35,337
	Cold Year Peak Month (December) (MTh)	43,870	20,983	1,990	66,843	2,953	0	2,953
	Peak Day (see note a/ below) (MTh)	3,040	1,015	64	4,119	95	0	95
	%-Cust/Mtrs:	100.0000%	100.0000%	100.0000%				
	Number of Customers	909,359	30,488	36	939,883	53	0	53
Medium Pressure	%-Load:	99.9935%	98.1369%	56.5341%				
	Average Year Throughput (MTh)	270,586	175,580	13,104	459,270	32,591	0	32,591
	Cold Year Throughput (1-in-35) (MTh)	298,699	181,329	13,104	493,131	32,591	0	32,591
	Cold Year Peak Month (December) (MTh)	43,868	20,592	1,125	65,584	2,724	0	2,724
	Peak Day (see note a/ below) (MTh)	3,040	996	36	4,072	88	0	88
	%-Cust/Mtrs:	99.9998%	99.9844%	86.2069%				
	Number of Customers	909,357	30,483	31	939,871	48	0	48

Note: a/ **Core HDD-sensitive markets (Res & GN3) at 1-in-35 peak-day design temperature; Power-Plant facilities' peak daily load in month of DECEMBER for BASE HYDRO water year; all other market segments at average daily load in DECEMBER month.**

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

MDM #Yrs Av (3- or 4-yr)
4

Forecast Summary	MDM	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	Noncore - Electric Generatiion: EG (<3MMThms)	EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total
<< CAP Period >> January 2024 - December 2027										
DIRECT (%'s Load or Cust/Mtrs Sum to 100%)										
Transmission	%-Load:									
	Average Year Throughput (MTh)	0	0	0	225,945	0	225,945	225,945	**239,910**	**239,910**
	Cold Year Throughput (1-in-35) (MTh)	0	0	0	225,945	0	225,945	225,945	**239,910**	**239,910**
	Cold Year Peak Month (December) (MTh)	0	0	0	19,867	0	19,867	19,867	**21,035**	**21,035**
	Peak Day (see note a/ below) (MTh)	0	0	0	828	0	828	828	**866**	**866**
	%-Cust/Mtrs:									
	Number of Customers	0	3	0	10	3	10	13	**18**	**18**
High Pressure	%-Load:									
	Average Year Throughput (MTh)	9,085	0	35,885	0	9,085	35,885	44,970	**47,717**	**61,142**
	Cold Year Throughput (1-in-35) (MTh)	9,085	0	35,885	0	9,085	35,885	44,970	**47,717**	**61,253**
	Cold Year Peak Month (December) (MTh)	755	0	2,981	0	755	2,981	3,736	**3,965**	**5,224**
	Peak Day (see note a/ below) (MTh)	24	0	96	0	24	96	121	**128**	**175**
	%-Cust/Mtrs:									
	Number of Customers	7	0	4	0	7	4	11	**16**	**28**
Medium Pressure	%-Load:									
	Average Year Throughput (MTh)	22,343	0	4,342	0	22,343	4,342	26,685	**59,276**	**518,546**
	Cold Year Throughput (1-in-35) (MTh)	22,343	0	4,342	0	22,343	4,342	26,685	**59,276**	**552,407**
	Cold Year Peak Month (December) (MTh)	1,856	0	361	0	1,856	361	2,217	**4,941**	**70,525**
	Peak Day (see note a/ below) (MTh)	60	0	12	0	60	12	72	**159**	**4,232**
	%-Cust/Mtrs:									
	Number of Customers	73	0	1	0	73	1	74	**122**	**939,993**
CUMULATIVE (Calc'd from DIRECT %'s)										
Transmission	%-Load:									
	Average Year Throughput (MTh)	31,429	0	40,227	225,945	31,429	266,171	297,600	**346,902**	**819,598**
	Cold Year Throughput (1-in-35) (MTh)	31,429	0	40,227	225,945	31,429	266,171	297,600	**346,902**	**853,570**
	Cold Year Peak Month (December) (MTh)	2,611	0	3,342	19,867	2,611	23,209	25,820	**29,941**	**96,784**
	Peak Day (see note a/ below) (MTh)	84	0	108	828	84	936	1,020	**1,153**	**5,272**
	%-Cust/Mtrs:									
	Number of Customers	80	3	5	10	83	15	98	**156**	**940,039**
High Pressure	%-Load:									
	Average Year Throughput (MTh)	31,429	0	40,227	0	31,429	40,227	71,656	**106,993**	**579,689**
	Cold Year Throughput (1-in-35) (MTh)	31,429	0	40,227	0	31,429	40,227	71,656	**106,993**	**613,661**
	Cold Year Peak Month (December) (MTh)	2,611	0	3,342	0	2,611	3,342	5,953	**8,906**	**75,749**
	Peak Day (see note a/ below) (MTh)	84	0	108	0	84	108	192	**287**	**4,407**
	%-Cust/Mtrs:									
	Number of Customers	80	0	5	0	80	5	85	**138**	**940,021**
Medium Pressure	%-Load:									
	Average Year Throughput (MTh)	22,343	0	4,342	0	22,343	4,342	26,685	**59,276**	**518,546**
	Cold Year Throughput (1-in-35) (MTh)	22,343	0	4,342	0	22,343	4,342	26,685	**59,276**	**552,407**
	Cold Year Peak Month (December) (MTh)	1,856	0	361	0	1,856	361	2,217	**4,941**	**70,525**
	Peak Day (see note a/ below) (MTh)	60	0	12	0	60	12	72	**159**	**4,232**
	%-Cust/Mtrs:									
	Number of Customers	73	0	1	0	73	1	74	**122**	**939,993**

Note: a/

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

ANNUAL FORECAST DATA

			Nonresidential Core		Total	Noncore - C&I			Noncore - Electric Generatiion				
		Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**
Average Year Throughput (Mth)													
2021		287,606	173,099	23,170	**483,874**	36,139	14,282	**50,421**	31,693	7,093	37,466	360,964	**38,787**
2022		283,648	178,289	23,552	**485,489**	37,243	14,718	**51,961**	31,017	0	39,690	333,503	**31,017**
2023		280,198	179,928	23,552	**483,678**	35,524	14,039	**49,562**	31,621	0	40,473	294,291	**31,621**
2024		276,297	179,786	23,552	**479,635**	35,314	13,956	**49,269**	31,530	0	40,356	247,664	**31,530**
2025		272,183	179,344	23,054	**474,581**	35,289	13,946	**49,234**	31,409	0	40,201	221,085	**31,409**
2026		268,752	178,649	23,054	**470,455**	35,355	13,972	**49,327**	31,383	0	40,168	219,476	**31,383**
2027		265,184	177,874	23,054	**466,112**	35,391	13,986	**49,378**	31,393	0	40,181	215,552	**31,393**
2028		261,528	177,043	23,054	**461,625**	35,342	13,967	**49,309**	31,264	0	40,016	202,109	**31,264**

			Nonresidential Core		Total	Noncore - C&I			Noncore - Electric Generatiion				
		Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**
Average Year Sales (Mth)													
2021	365	286,185	143,065	9,959	**439,209**	0	0	**0**	0	0	0	0	**0**
2022	365	282,247	147,354	9,325	**438,927**	0	0	**0**	0	0	0	0	**0**
2023	365	278,814	148,709	9,325	**436,848**	0	0	**0**	0	0	0	0	**0**
2024	366	274,932	148,592	9,325	**432,849**	0	0	**0**	0	0	0	0	**0**
2025	365	270,839	148,226	8,827	**427,892**	0	0	**0**	0	0	0	0	**0**
2026	365	267,425	147,652	8,827	**423,904**	0	0	**0**	0	0	0	0	**0**
2027	365	263,874	147,011	8,827	**419,712**	0	0	**0**	0	0	0	0	**0**
2028	366	260,236	146,325	8,827	**415,388**	0	0	**0**	0	0	0	0	**0**

		Nonresidential Core			Total	Noncore - C&I			Noncore - Electric Generatiion				
	Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**
Cold Year Throughput (Mth)												
2021	315,815	178,994	23,170	**517,979**	36,139	14,282	**50,421**	31,693	7,093	37,466	360,964	**38,787**
2022	311,836	184,176	23,552	**519,564**	37,243	14,718	**51,961**	31,017	0	39,690	333,503	**31,017**
2023	308,365	185,806	23,552	**517,723**	35,524	14,039	**49,562**	31,621	0	40,473	294,291	**31,621**
2024	304,443	185,656	23,552	**513,651**	35,314	13,956	**49,269**	31,530	0	40,356	247,664	**31,530**
2025	300,308	185,206	23,054	**508,567**	35,289	13,946	**49,234**	31,409	0	40,201	221,085	**31,409**
2026	296,856	184,503	23,054	**504,412**	35,355	13,972	**49,327**	31,383	0	40,168	219,476	**31,383**
2027	293,266	183,719	23,054	**500,040**	35,391	13,986	**49,378**	31,393	0	40,181	215,552	**31,393**
2028	289,589	182,881	23,054	**495,524**	35,342	13,967	**49,309**	31,264	0	40,016	202,109	**31,264**

		Nonresidential Core			Total	Noncore - C&I			Noncore - Electric Generatiion				
Specified Peak Day Thrughput (Mth/Day)	Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**
2021	3,106	993	64.4	**4,164**	112	44	**156**	90	115	112	1,950	**205**
2022	3,091	1,012	65.3	**4,168**	97	38	**135**	85	0	108	1,007	**85**
2023	3,077	1,018	65.3	**4,161**	95	38	**133**	85	0	108	879	**85**
2024	3,062	1,018	65.3	**4,145**	95	38	**133**	85	0	108	773	**85**
2025	3,046	1,017	63.8	**4,126**	95	38	**133**	84	0	108	816	**84**
2026	3,032	1,014	63.8	**4,111**	95	38	**133**	84	0	108	861	**84**
2027	3,019	1,012	63.8	**4,094**	95	38	**133**	84	0	108	862	**84**
2028	3,004	1,009	63.8	**4,077**	95	38	**133**	84	0	107	611	**84**

		Nonresidential Core			Total	Noncore - C&I			Noncore - Electric Generatiion				
	Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**
Forecast Number of Customers												
2021	873,304	30,163	37	**903,504**	53	5	**58**	80	3	5	10	**83**
2022	880,418	30,319	37	**910,774**	53	5	**58**	80	3	5	10	**83**
2023	888,738	30,378	37	**919,153**	53	5	**58**	80	3	5	10	**83**
2024	896,990	30,424	37	**927,451**	53	5	**58**	80	3	5	10	**83**
2025	905,216	30,467	36	**935,719**	53	5	**58**	80	3	5	10	**83**
2026	913,509	30,510	36	**944,055**	53	5	**58**	80	3	5	10	**83**
2027	921,721	30,549	36	**952,306**	53	5	**58**	80	3	5	10	**83**
2028	929,784	30,585	36	**960,405**	53	5	**58**	80	3	5	10	**83**

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

ANNUAL FORECAST DATA

	EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total End-Use Dmd	System Total (Mdth/d)	Co-Use-Fuel	"Un-Acnt'd-For" (UAF)	Total System Throughput
Average Year Throughput (Mth)								
2021	398,430	437,217	487,637	971,512	266	3,874	22,180	997,566
2022	373,192	404,209	456,170	941,659	258	3,755	21,498	966,913
2023	334,764	366,385	415,947	899,625	246	3,588	20,538	923,751
2024	288,021	319,551	368,820	848,455	232	3,383	19,370	871,209
2025	261,287	292,696	341,930	816,511	224	3,256	18,641	838,408
2026	259,645	291,028	340,355	810,810	222	3,233	18,511	832,555
2027	255,734	287,127	336,504	802,616	220	3,201	18,324	824,140
2028	242,125	273,389	322,698	784,323	214	3,128	17,906	805,357

		EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total End-Use Dmd	Check of System Total (Mdth/d)
Average Year Sales (Mth)						
2021	365	0	0	0	439,209	120
2022	365	0	0	0	438,927	120
2023	365	0	0	0	436,848	120
2024	366	0	0	0	432,849	118
2025	365	0	0	0	427,892	117
2026	365	0	0	0	423,904	116
2027	365	0	0	0	419,712	115
2028	366	0	0	0	415,388	113

	EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total End-Use Dmd	Check of System Total (Mdth/d)	Co-Use-Fuel	"Un-Acnt'd-For" (UAF)	System Throughput
Cold Year Throughput (Mth)								
2021	398,430	437,217	487,637	1,005,616	276	4,010	22,958	1,032,585
2022	373,192	404,209	456,170	975,734	267	3,891	22,276	1,001,901
2023	334,764	366,385	415,947	933,670	256	3,723	21,316	958,709
2024	288,021	319,551	368,820	882,471	241	3,519	20,147	906,137
2025	261,287	292,696	341,930	850,497	233	3,392	19,417	873,306
2026	259,645	291,028	340,355	844,768	231	3,369	19,286	867,422
2027	255,734	287,127	336,504	836,544	229	3,336	19,098	858,978
2028	242,125	273,389	322,698	818,222	224	3,263	18,680	840,165

Specified Peak Day Thrughput (Mth/Day)	EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total End-Use Dmd
2021	2,062	2,267	2,422	6,586
2022	1,115	1,200	1,335	5,503
2023	987	1,072	1,205	5,366
2024	881	965	1,098	5,244
2025	924	1,008	1,140	5,267
2026	969	1,053	1,186	5,297
2027	969	1,053	1,186	5,281
2028	718	802	935	5,012

	EG (>=3MMThms)	EG (Total)	Noncore Total	System-Wide Total
Forecast Number of Customers				
2021	15	98	156	903,660
2022	15	98	156	910,930
2023	15	98	156	919,309
2024	15	98	156	927,607
2025	15	98	156	935,875
2026	15	98	156	944,211
2027	15	98	156	952,462
2028	15	98	156	960,561

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

MONTHLY FORECAST DATA

		Nonresidential Core			Total	Noncore - C&I			Noncore - Electric Gene			
		Residential	GN-3	G-NGV	**Core**	C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
2021	Jan	39,303	18,960	2,002	**60,266**	3,053	1,149	**4,202**	2,693	228	2,975	23,986
	Feb	34,364	17,725	1,918	**54,007**	2,843	1,181	**4,024**	2,345	134	2,966	13,367
	Mar	31,541	16,673	1,301	**49,516**	3,769	1,399	**5,168**	2,663	434	3,245	21,653
	Apr	25,869	15,156	1,716	**42,741**	3,498	1,303	**4,801**	2,692	388	2,233	20,296
	May	19,148	12,920	1,897	**33,964**	3,252	1,047	**4,299**	2,819	323	2,999	28,708
	Jun	14,546	11,787	1,909	**28,242**	3,081	1,320	**4,401**	2,561	826	2,983	31,867
	Jul	13,800	11,359	2,222	**27,381**	2,516	993	**3,509**	3,083	1,368	3,528	45,075
	Aug	13,729	11,260	2,030	**27,019**	2,673	1,124	**3,797**	2,646	692	3,467	34,330
	Sep	13,393	11,282	2,120	**26,795**	2,608	617	**3,225**	2,817	648	3,441	31,373
	Oct	16,118	11,994	2,024	**30,136**	2,952	1,068	**4,020**	2,538	376	2,809	39,206
	Nov	25,466	14,885	2,035	**42,386**	2,813	1,339	**4,151**	2,341	675	3,252	37,961
	Dec	40,330	19,096	1,995	**61,421**	3,081	1,742	**4,824**	2,496	1,001	3,568	33,143
2022	Jan	38,707	19,519	2,030	**60,256**	3,260	1,288	**4,548**	2,460	0	3,149	27,806
	Feb	33,842	18,255	1,945	**54,043**	3,257	1,287	**4,544**	2,529	0	3,237	24,362
	Mar	31,080	17,166	1,335	**49,581**	3,196	1,263	**4,459**	2,554	0	3,270	25,653
	Apr	25,513	15,607	1,749	**42,869**	3,173	1,254	**4,427**	2,603	0	3,332	24,377
	May	18,904	13,310	1,923	**34,136**	3,121	1,233	**4,355**	2,595	0	3,321	24,879
	Jun	14,381	12,141	1,936	**28,458**	3,108	1,228	**4,337**	2,638	0	3,377	25,888
	Jul	13,648	11,703	2,270	**27,622**	3,054	1,207	**4,261**	2,604	0	3,333	30,453
	Aug	13,578	11,604	2,071	**27,253**	3,027	1,196	**4,223**	2,596	0	3,322	32,896
	Sep	13,245	11,627	2,149	**27,022**	3,001	1,186	**4,187**	2,582	0	3,305	31,879
	Oct	15,926	12,358	2,055	**30,339**	3,024	1,195	**4,219**	2,608	0	3,338	29,223
	Nov	25,115	15,334	2,066	**42,515**	3,022	1,194	**4,216**	2,618	0	3,351	26,778
	Dec	39,710	19,664	2,023	**61,397**	3,000	1,186	**4,186**	2,629	0	3,355	29,309
2023	Jan	38,180	19,686	2,030	**59,897**	2,926	1,156	**4,082**	2,577	0	3,298	25,135
	Feb	33,382	18,417	1,945	**53,743**	2,971	1,174	**4,145**	2,620	0	3,353	21,843
	Mar	30,674	17,317	1,335	**49,325**	2,968	1,173	**4,141**	2,627	0	3,362	22,854
	Apr	25,203	15,748	1,749	**42,700**	2,978	1,177	**4,155**	2,658	0	3,402	21,223
	May	18,694	13,436	1,923	**34,052**	2,966	1,172	**4,138**	2,644	0	3,385	22,169
	Jun	14,241	12,257	1,936	**28,433**	2,984	1,179	**4,164**	2,686	0	3,438	22,869
	Jul	13,521	11,818	2,270	**27,608**	2,964	1,172	**4,136**	2,667	0	3,413	26,610
	Aug	13,452	11,719	2,071	**27,241**	2,951	1,166	**4,117**	2,644	0	3,384	28,212
	Sep	13,121	11,743	2,149	**27,013**	2,935	1,160	**4,095**	2,617	0	3,349	27,900
	Oct	15,762	12,478	2,055	**30,295**	2,960	1,170	**4,129**	2,624	0	3,359	25,919
	Nov	24,808	15,476	2,066	**42,350**	2,967	1,173	**4,140**	2,629	0	3,365	23,976
	Dec	39,161	19,835	2,023	**61,019**	2,953	1,167	**4,120**	2,628	0	3,363	25,580
2024	Jan	37,592	19,657	2,030	**59,279**	2,880	1,138	**4,018**	2,572	0	3,292	20,814
	Feb	32,867	18,393	1,945	**53,206**	2,933	1,159	**4,093**	2,614	0	3,345	19,467
	Mar	30,218	17,296	1,335	**48,849**	2,937	1,161	**4,098**	2,619	0	3,352	18,574
	Apr	24,852	15,734	1,749	**42,335**	2,953	1,167	**4,120**	2,649	0	3,390	17,203
	May	18,454	13,429	1,923	**33,806**	2,946	1,164	**4,110**	2,635	0	3,373	18,060
	Jun	14,078	12,253	1,936	**28,267**	2,969	1,173	**4,142**	2,677	0	3,427	19,005
	Jul	13,372	11,816	2,270	**27,458**	2,953	1,167	**4,120**	2,659	0	3,403	23,151
	Aug	13,304	11,719	2,071	**27,094**	2,942	1,163	**4,105**	2,636	0	3,374	23,739
	Sep	12,977	11,743	2,149	**26,869**	2,929	1,157	**4,086**	2,609	0	3,340	23,330
	Oct	15,573	12,475	2,055	**30,103**	2,956	1,168	**4,125**	2,618	0	3,351	22,249
	Nov	24,462	15,464	2,066	**41,992**	2,964	1,172	**4,136**	2,622	0	3,356	20,263
	Dec	38,549	19,806	2,023	**60,378**	2,951	1,166	**4,117**	2,620	0	3,353	21,810

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**																	
59	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**		Noncore - C&I					Noncore - Electric Gene	
60						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
113																		
114	2025	Jan				36,975	19,595		1,983	**58,553**		2,879	1,138	**4,017**	2,568	0	3,286	19,675
115		Feb				32,327	18,339		1,900	**52,566**		2,933	1,159	**4,092**	2,609	0	3,339	16,054
116		Mar				29,740	17,245		1,313	**48,298**		2,937	1,161	**4,097**	2,613	0	3,345	16,256
117		Apr				24,482	15,693		1,714	**41,890**		2,952	1,167	**4,118**	2,643	0	3,382	14,487
118		May				18,200	13,401		1,880	**33,480**		2,944	1,164	**4,108**	2,627	0	3,363	15,881
119		Jun				13,904	12,230		1,894	**28,028**		2,967	1,172	**4,139**	2,668	0	3,414	18,434
120		Jul				13,213	11,796		2,226	**27,234**		2,949	1,165	**4,115**	2,646	0	3,387	21,357
121		Aug				13,146	11,700		2,030	**26,876**		2,939	1,161	**4,100**	2,623	0	3,358	21,281
122		Sep				12,822	11,724		2,101	**26,646**		2,925	1,156	**4,081**	2,596	0	3,323	19,884
123		Oct				15,371	12,452		2,012	**29,835**		2,953	1,167	**4,119**	2,602	0	3,331	19,537
124		Nov				24,097	15,426		2,022	**41,545**		2,962	1,170	**4,132**	2,608	0	3,338	18,122
125		Dec				37,907	19,743		1,979	**59,629**		2,949	1,165	**4,114**	2,607	0	3,336	20,119
126																		
127	2026	Jan				36,451	19,504		1,983	**57,938**		2,878	1,138	**4,016**	2,556	0	3,272	18,358
128		Feb				31,869	18,257		1,900	**52,026**		2,934	1,159	**4,093**	2,599	0	3,326	16,049
129		Mar				29,336	17,171		1,313	**47,820**		2,939	1,161	**4,100**	2,605	0	3,335	16,711
130		Apr				24,174	15,632		1,714	**41,519**		2,955	1,168	**4,123**	2,636	0	3,374	14,849
131		May				17,991	13,354		1,880	**33,225**		2,949	1,165	**4,115**	2,623	0	3,357	14,830
132		Jun				13,765	12,191		1,894	**27,849**		2,972	1,175	**4,147**	2,665	0	3,411	17,209
133		Jul				13,086	11,760		2,226	**27,072**		2,957	1,169	**4,126**	2,648	0	3,389	20,931
134		Aug				13,020	11,665		2,030	**26,715**		2,947	1,165	**4,111**	2,625	0	3,360	23,256
135		Sep				12,699	11,688		2,101	**26,488**		2,934	1,159	**4,093**	2,598	0	3,326	21,506
136		Oct				15,208	12,411		2,012	**29,631**		2,962	1,171	**4,133**	2,605	0	3,335	19,729
137		Nov				23,792	15,366		2,022	**41,181**		2,970	1,174	**4,144**	2,611	0	3,342	17,227
138		Dec				37,361	19,651		1,979	**58,992**		2,956	1,168	**4,125**	2,610	0	3,341	18,820
139																		
140	2027	Jan				35,908	19,405		1,983	**57,296**		2,882	1,139	**4,021**	2,560	0	3,277	18,285
141		Feb				31,394	18,167		1,900	**51,461**		2,938	1,161	**4,099**	2,602	0	3,331	14,788
142		Mar				28,917	17,088		1,313	**47,319**		2,943	1,163	**4,107**	2,608	0	3,338	16,513
143		Apr				23,853	15,563		1,714	**41,130**		2,961	1,170	**4,131**	2,639	0	3,377	12,980
144		May				17,773	13,301		1,880	**32,954**		2,954	1,167	**4,122**	2,625	0	3,360	14,513
145		Jun				13,619	12,146		1,894	**27,658**		2,977	1,176	**4,153**	2,666	0	3,413	18,178
146		Jul				12,953	11,718		2,226	**26,897**		2,960	1,170	**4,130**	2,648	0	3,389	21,505
147		Aug				12,888	11,624		2,030	**26,542**		2,949	1,165	**4,114**	2,625	0	3,360	20,147
148		Sep				12,569	11,648		2,101	**26,318**		2,935	1,160	**4,095**	2,598	0	3,325	22,430
149		Oct				15,038	12,365		2,012	**29,414**		2,963	1,171	**4,134**	2,605	0	3,334	20,149
150		Nov				23,476	15,300		2,022	**40,797**		2,971	1,174	**4,146**	2,610	0	3,340	17,344
151		Dec				36,796	19,550		1,979	**58,325**		2,957	1,169	**4,126**	2,607	0	3,337	18,720
152																		
153	2028	Jan				35,354	19,299		1,983	**56,636**		2,884	1,140	**4,024**	2,555	0	3,271	17,224
154		Feb				30,909	18,072		1,900	**50,881**		2,939	1,161	**4,100**	2,596	0	3,323	14,448
155		Mar				28,489	17,001		1,313	**46,803**		2,943	1,163	**4,106**	2,601	0	3,329	14,116
156		Apr				23,524	15,489		1,714	**40,727**		2,958	1,169	**4,127**	2,630	0	3,366	13,345
157		May				17,550	13,243		1,880	**32,673**		2,950	1,166	**4,116**	2,615	0	3,347	13,862
158		Jun				13,468	12,097		1,894	**27,459**		2,972	1,174	**4,146**	2,655	0	3,399	16,526
159		Jul				12,815	11,673		2,226	**26,714**		2,954	1,167	**4,121**	2,635	0	3,372	19,016
160		Aug				12,751	11,580		2,030	**26,361**		2,943	1,163	**4,106**	2,612	0	3,343	21,051
161		Sep				12,436	11,603		2,101	**26,140**		2,929	1,157	**4,086**	2,585	0	3,308	19,730
162		Oct				14,862	12,315		2,012	**29,189**		2,957	1,168	**4,125**	2,591	0	3,317	18,566
163		Nov				23,151	15,228		2,022	**40,402**		2,965	1,172	**4,136**	2,596	0	3,323	16,437
164		Dec				36,219	19,443		1,979	**57,642**		2,951	1,166	**4,117**	2,594	0	3,320	17,789

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
59	***MONTHLY FORECAST DATA***					ratiion			Noncore	System-Wide		**System Total**				**Total**
60						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
62	2021	Jan				**2,921**	**26,960**	**29,882**	**34,084**	**94,349**		**304**		**376**	**2,154**	**96,880**
63		Feb				**2,478**	**16,333**	**18,811**	**22,835**	**76,842**		**274**		**306**	**1,754**	**78,903**
64		Mar				**3,097**	**24,898**	**27,995**	**33,162**	**82,678**		**267**		**330**	**1,888**	**84,895**
65		Apr				**3,080**	**22,529**	**25,609**	**30,411**	**73,152**		**244**		**292**	**1,670**	**75,113**
66		May				**3,142**	**31,706**	**34,849**	**39,147**	**73,111**		**236**		**292**	**1,669**	**75,072**
67		Jun				**3,387**	**34,850**	**38,237**	**42,638**	**70,880**		**236**		**283**	**1,618**	**72,781**
68		Jul				**4,451**	**48,603**	**53,054**	**56,563**	**83,944**		**271**		**335**	**1,916**	**86,195**
69		Aug				**3,338**	**37,797**	**41,135**	**44,932**	**71,951**		**232**		**287**	**1,643**	**73,881**
70		Sep				**3,465**	**34,814**	**38,279**	**41,504**	**68,299**		**228**		**272**	**1,559**	**70,130**
71		Oct				**2,914**	**42,015**	**44,929**	**48,949**	**79,085**		**255**		**315**	**1,806**	**81,206**
72		Nov				**3,016**	**41,213**	**44,229**	**48,380**	**90,766**		**303**		**362**	**2,072**	**93,201**
73		Dec				**3,497**	**36,711**	**40,208**	**45,032**	**106,453**		**343**		**425**	**2,430**	**109,308**
74																
75	2022	Jan				**2,460**	**30,955**	**33,415**	**37,963**	**98,219**		**317**		**392**	**2,242**	**100,853**
76		Feb				**2,529**	**27,599**	**30,128**	**34,672**	**88,714**		**317**		**354**	**2,025**	**91,094**
77		Mar				**2,554**	**28,923**	**31,477**	**35,937**	**85,517**		**276**		**341**	**1,952**	**87,811**
78		Apr				**2,603**	**27,709**	**30,313**	**34,740**	**77,609**		**259**		**309**	**1,772**	**79,690**
79		May				**2,595**	**28,200**	**30,795**	**35,149**	**69,286**		**224**		**276**	**1,582**	**71,144**
80		Jun				**2,638**	**29,265**	**31,903**	**36,240**	**64,697**		**216**		**258**	**1,477**	**66,432**
81		Jul				**2,604**	**33,785**	**36,389**	**40,650**	**68,271**		**220**		**272**	**1,559**	**70,102**
82		Aug				**2,596**	**36,219**	**38,815**	**43,038**	**70,290**		**227**		**280**	**1,605**	**72,175**
83		Sep				**2,582**	**35,184**	**37,766**	**41,953**	**68,974**		**230**		**275**	**1,575**	**70,824**
84		Oct				**2,608**	**32,561**	**35,170**	**39,389**	**69,728**		**225**		**278**	**1,592**	**71,598**
85		Nov				**2,618**	**30,130**	**32,748**	**36,964**	**79,478**		**265**		**317**	**1,814**	**81,610**
86		Dec				**2,629**	**32,664**	**35,292**	**39,478**	**100,875**		**325**		**402**	**2,303**	**103,580**
87																
88	2023	Jan				**2,577**	**28,433**	**31,009**	**35,092**	**94,988**		**306**		**379**	**2,169**	**97,536**
89		Feb				**2,620**	**25,196**	**27,816**	**31,961**	**85,704**		**306**		**342**	**1,957**	**88,003**
90		Mar				**2,627**	**26,216**	**28,843**	**32,984**	**82,309**		**266**		**328**	**1,879**	**84,516**
91		Apr				**2,658**	**24,625**	**27,284**	**31,439**	**74,138**		**247**		**296**	**1,693**	**76,127**
92		May				**2,644**	**25,554**	**28,198**	**32,336**	**66,388**		**214**		**265**	**1,516**	**68,169**
93		Jun				**2,686**	**26,307**	**28,994**	**33,157**	**61,591**		**205**		**246**	**1,406**	**63,242**
94		Jul				**2,667**	**30,024**	**32,690**	**36,826**	**64,434**		**208**		**257**	**1,471**	**66,162**
95		Aug				**2,644**	**31,597**	**34,241**	**38,358**	**65,600**		**212**		**262**	**1,498**	**67,359**
96		Sep				**2,617**	**31,249**	**33,866**	**37,961**	**64,974**		**217**		**259**	**1,483**	**66,716**
97		Oct				**2,624**	**29,278**	**31,902**	**36,031**	**66,327**		**214**		**264**	**1,514**	**68,105**
98		Nov				**2,629**	**27,342**	**29,971**	**34,111**	**76,461**		**255**		**305**	**1,746**	**78,512**
99		Dec				**2,628**	**28,943**	**31,571**	**35,691**	**96,710**		**312**		**386**	**2,208**	**99,303**
100																
101	2024	Jan				**2,572**	**24,106**	**26,677**	**30,696**	**89,975**		**290**		**359**	**2,054**	**92,388**
102		Feb				**2,614**	**22,813**	**25,426**	**29,519**	**82,725**		**285**		**330**	**1,889**	**84,943**
103		Mar				**2,619**	**21,926**	**24,545**	**28,643**	**77,492**		**250**		**309**	**1,769**	**79,570**
104		Apr				**2,649**	**20,593**	**23,242**	**27,362**	**69,696**		**232**		**278**	**1,591**	**71,565**
105		May				**2,635**	**21,433**	**24,069**	**28,179**	**61,985**		**200**		**247**	**1,415**	**63,647**
106		Jun				**2,677**	**22,432**	**25,109**	**29,251**	**57,518**		**192**		**229**	**1,313**	**59,060**
107		Jul				**2,659**	**26,554**	**29,213**	**33,333**	**60,791**		**196**		**242**	**1,388**	**62,421**
108		Aug				**2,636**	**27,113**	**29,750**	**33,855**	**60,948**		**197**		**243**	**1,391**	**62,583**
109		Sep				**2,609**	**26,669**	**29,279**	**33,365**	**60,233**		**201**		**240**	**1,375**	**61,849**
110		Oct				**2,618**	**25,599**	**28,217**	**32,342**	**62,445**		**201**		**249**	**1,426**	**64,119**
111		Nov				**2,622**	**23,619**	**26,241**	**30,377**	**72,370**		**241**		**289**	**1,652**	**74,311**
112		Dec				**2,620**	**25,163**	**27,783**	**31,900**	**92,278**		**298**		**368**	**2,107**	**94,753**

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
59	***MONTHLY FORECAST DATA***					ratiion			Noncore	System-Wide		**System Total**				**Total**
60						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
113																
114	2025	Jan				**2,568**	**22,961**	**25,529**	**29,546**	**88,098**		**284**		**351**	**2,011**	**90,461**
115		Feb				**2,609**	**19,393**	**22,001**	**26,094**	**78,660**		**281**		**314**	**1,796**	**80,769**
116		Mar				**2,613**	**19,600**	**22,214**	**26,311**	**74,609**		**241**		**298**	**1,703**	**76,610**
117		Apr				**2,643**	**17,869**	**20,512**	**24,630**	**66,520**		**222**		**265**	**1,519**	**68,304**
118		May				**2,627**	**19,244**	**21,871**	**25,979**	**59,459**		**192**		**237**	**1,357**	**61,054**
119		Jun				**2,668**	**21,848**	**24,516**	**28,655**	**56,683**		**189**		**226**	**1,294**	**58,203**
120		Jul				**2,646**	**24,744**	**27,390**	**31,505**	**58,739**		**189**		**234**	**1,341**	**60,314**
121		Aug				**2,623**	**24,638**	**27,262**	**31,362**	**58,237**		**188**		**232**	**1,330**	**59,799**
122		Sep				**2,596**	**23,207**	**25,803**	**29,884**	**56,530**		**188**		**225**	**1,291**	**58,046**
123		Oct				**2,602**	**22,868**	**25,470**	**29,590**	**59,425**		**192**		**237**	**1,357**	**61,018**
124		Nov				**2,608**	**21,459**	**24,067**	**28,199**	**69,745**		**232**		**278**	**1,592**	**71,615**
125		Dec				**2,607**	**23,455**	**26,062**	**30,176**	**89,805**		**290**		**358**	**2,050**	**92,214**
126																
127	2026	Jan				**2,556**	**21,630**	**24,187**	**28,202**	**86,140**		**278**		**344**	**1,967**	**88,451**
128		Feb				**2,599**	**19,376**	**21,975**	**26,068**	**78,093**		**279**		**311**	**1,783**	**80,188**
129		Mar				**2,605**	**20,046**	**22,651**	**26,752**	**74,571**		**241**		**297**	**1,702**	**76,571**
130		Apr				**2,636**	**18,223**	**20,859**	**24,982**	**66,502**		**222**		**265**	**1,518**	**68,285**
131		May				**2,623**	**18,188**	**20,811**	**24,926**	**58,150**		**188**		**232**	**1,328**	**59,710**
132		Jun				**2,665**	**20,621**	**23,286**	**27,433**	**55,283**		**184**		**220**	**1,262**	**56,765**
133		Jul				**2,648**	**24,320**	**26,967**	**31,093**	**58,165**		**188**		**232**	**1,328**	**59,725**
134		Aug				**2,625**	**26,616**	**29,242**	**33,353**	**60,068**		**194**		**240**	**1,371**	**61,679**
135		Sep				**2,598**	**24,832**	**27,431**	**31,523**	**58,011**		**193**		**231**	**1,324**	**59,567**
136		Oct				**2,605**	**23,063**	**25,668**	**29,802**	**59,433**		**192**		**237**	**1,357**	**61,027**
137		Nov				**2,611**	**20,569**	**23,180**	**27,324**	**68,505**		**228**		**273**	**1,564**	**70,342**
138		Dec				**2,610**	**22,161**	**24,772**	**28,897**	**87,888**		**284**		**350**	**2,006**	**90,245**
139																
140	2027	Jan				**2,560**	**21,561**	**24,122**	**28,142**	**85,438**		**276**		**341**	**1,951**	**87,730**
141		Feb				**2,602**	**18,119**	**20,721**	**24,820**	**76,282**		**272**		**304**	**1,742**	**78,327**
142		Mar				**2,608**	**19,852**	**22,460**	**26,567**	**73,885**		**238**		**295**	**1,687**	**75,867**
143		Apr				**2,639**	**16,357**	**18,996**	**23,128**	**64,257**		**214**		**256**	**1,467**	**65,981**
144		May				**2,625**	**17,873**	**20,498**	**24,619**	**57,573**		**186**		**230**	**1,314**	**59,117**
145		Jun				**2,666**	**21,591**	**24,258**	**28,411**	**56,069**		**187**		**224**	**1,280**	**57,573**
146		Jul				**2,648**	**24,894**	**27,542**	**31,672**	**58,568**		**189**		**234**	**1,337**	**60,139**
147		Aug				**2,625**	**23,507**	**26,132**	**30,246**	**56,788**		**183**		**226**	**1,296**	**58,311**
148		Sep				**2,598**	**25,755**	**28,353**	**32,448**	**58,766**		**196**		**234**	**1,342**	**60,342**
149		Oct				**2,605**	**23,483**	**26,088**	**30,222**	**59,637**		**192**		**238**	**1,362**	**61,236**
150		Nov				**2,610**	**20,684**	**23,293**	**27,439**	**68,236**		**227**		**272**	**1,558**	**70,066**
151		Dec				**2,607**	**22,057**	**24,665**	**28,790**	**87,116**		**281**		**347**	**1,989**	**89,452**
152																
153	2028	Jan				**2,555**	**20,495**	**23,050**	**27,074**	**83,710**		**270**		**334**	**1,911**	**85,955**
154		Feb				**2,596**	**17,770**	**20,366**	**24,466**	**75,348**		**260**		**300**	**1,720**	**77,368**
155		Mar				**2,601**	**17,445**	**20,045**	**24,151**	**70,954**		**229**		**283**	**1,620**	**72,856**
156		Apr				**2,630**	**16,711**	**19,341**	**23,467**	**64,194**		**214**		**256**	**1,466**	**65,916**
157		May				**2,615**	**17,209**	**19,824**	**23,939**	**56,612**		**183**		**226**	**1,292**	**58,130**
158		Jun				**2,655**	**19,925**	**22,580**	**26,726**	**54,185**		**181**		**216**	**1,237**	**55,638**
159		Jul				**2,635**	**22,388**	**25,023**	**29,144**	**55,858**		**180**		**223**	**1,275**	**57,356**
160		Aug				**2,612**	**24,394**	**27,006**	**31,111**	**57,473**		**185**		**229**	**1,312**	**59,014**
161		Sep				**2,585**	**23,038**	**25,623**	**29,709**	**55,849**		**186**		**223**	**1,275**	**57,346**
162		Oct				**2,591**	**21,882**	**24,474**	**28,599**	**57,787**		**186**		**230**	**1,319**	**59,337**
163		Nov				**2,596**	**19,759**	**22,355**	**26,492**	**66,893**		**223**		**267**	**1,527**	**68,687**
164		Dec				**2,594**	**21,109**	**23,703**	**27,820**	**85,461**		**276**		**341**	**1,951**	**87,753**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
167	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**		Noncore - C&I		
168						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**
169	**Average Year Sales (Mth)**													
170	2021	Jan	31			39,109	15,671		923	**55,702**		0	0	**0**
171		Feb	28			34,194	14,650		881	**49,725**		0	0	**0**
172		Mar	31			31,385	13,780		454	**45,619**		0	0	**0**
173		Apr	30			25,741	12,527		699	**38,967**		0	0	**0**
174		May	31			19,053	10,678		856	**30,587**		0	0	**0**
175		Jun	30			14,474	9,742		848	**25,065**		0	0	**0**
176		Jul	31			13,732	9,388		875	**23,995**		0	0	**0**
177		Aug	31			13,661	9,306		819	**23,785**		0	0	**0**
178		Sep	30			13,326	9,324		960	**23,611**		0	0	**0**
179		Oct	31			16,038	9,913		878	**26,830**		0	0	**0**
180		Nov	30			25,340	12,302		883	**38,526**		0	0	**0**
181		Dec	31			40,131	15,782		883	**56,796**		0	0	**0**
182														
183	2022	Jan	31			38,516	16,133		868	**55,516**		0	0	**0**
184		Feb	28			33,675	15,088		828	**49,591**		0	0	**0**
185		Mar	31			30,926	14,188		422	**45,536**		0	0	**0**
186		Apr	30			25,387	12,899		654	**38,940**		0	0	**0**
187		May	31			18,811	11,000		802	**30,613**		0	0	**0**
188		Jun	30			14,310	10,034		794	**25,138**		0	0	**0**
189		Jul	31			13,581	9,673		819	**24,073**		0	0	**0**
190		Aug	31			13,511	9,591		766	**23,867**		0	0	**0**
191		Sep	30			13,180	9,610		899	**23,689**		0	0	**0**
192		Oct	31			15,847	10,214		821	**26,882**		0	0	**0**
193		Nov	30			24,991	12,673		826	**38,490**		0	0	**0**
194		Dec	31			39,514	16,252		825	**56,591**		0	0	**0**
195														
196	2023	Jan	31			37,992	16,271		868	**55,130**		0	0	**0**
197		Feb	28			33,217	15,221		828	**49,266**		0	0	**0**
198		Mar	31			30,522	14,312		422	**45,256**		0	0	**0**
199		Apr	30			25,078	13,015		654	**38,748**		0	0	**0**
200		May	31			18,602	11,105		802	**30,508**		0	0	**0**
201		Jun	30			14,170	10,130		794	**25,094**		0	0	**0**
202		Jul	31			13,454	9,767		819	**24,040**		0	0	**0**
203		Aug	31			13,385	9,686		766	**23,837**		0	0	**0**
204		Sep	30			13,057	9,705		899	**23,661**		0	0	**0**
205		Oct	31			15,684	10,313		821	**26,818**		0	0	**0**
206		Nov	30			24,686	12,790		826	**38,303**		0	0	**0**
207		Dec	31			38,968	16,393		825	**56,186**		0	0	**0**
208														
209	2024	Jan	31			37,406	16,247		868	**54,521**		0	0	**0**
210		Feb	29			32,705	15,202		828	**48,735**		0	0	**0**
211		Mar	31			30,069	14,295		422	**44,786**		0	0	**0**
212		Apr	30			24,729	13,004		654	**38,387**		0	0	**0**
213		May	31			18,363	11,099		802	**30,264**		0	0	**0**
214		Jun	30			14,008	10,127		794	**24,929**		0	0	**0**
215		Jul	31			13,306	9,766		819	**23,891**		0	0	**0**
216		Aug	31			13,238	9,686		766	**23,690**		0	0	**0**
217		Sep	30			12,913	9,705		899	**23,517**		0	0	**0**
218		Oct	31			15,496	10,311		821	**26,628**		0	0	**0**
219		Nov	30			24,341	12,781		826	**37,948**		0	0	**0**
220		Dec	31			38,359	16,370		825	**55,553**		0	0	**0**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
167	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**		Noncore - C&I		
168						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**
169	**Average Year Sales (Mth)**													
221														
222	2025	Jan	31			36,792	16,195		821	**53,808**		0	0	**0**
223		Feb	28			32,167	15,157		784	**48,107**		0	0	**0**
224		Mar	31			29,593	14,253		400	**44,246**		0	0	**0**
225		Apr	30			24,361	12,971		619	**37,951**		0	0	**0**
226		May	31			18,110	11,076		759	**29,945**		0	0	**0**
227		Jun	30			13,835	10,108		752	**24,695**		0	0	**0**
228		Jul	31			13,147	9,749		775	**23,672**		0	0	**0**
229		Aug	31			13,081	9,670		725	**23,476**		0	0	**0**
230		Sep	30			12,759	9,690		851	**23,299**		0	0	**0**
231		Oct	31			15,295	10,291		778	**26,364**		0	0	**0**
232		Nov	30			23,978	12,749		782	**37,510**		0	0	**0**
233		Dec	31			37,720	16,317		781	**54,819**		0	0	**0**
234														
235	2026	Jan	31			36,271	16,120		821	**53,211**		0	0	**0**
236		Feb	28			31,711	15,089		784	**47,584**		0	0	**0**
237		Mar	31			29,191	14,191		400	**43,783**		0	0	**0**
238		Apr	30			24,054	12,919		619	**37,593**		0	0	**0**
239		May	31			17,902	11,037		759	**29,698**		0	0	**0**
240		Jun	30			13,697	10,076		752	**24,524**		0	0	**0**
241		Jul	31			13,021	9,719		775	**23,516**		0	0	**0**
242		Aug	31			12,956	9,641		725	**23,322**		0	0	**0**
243		Sep	30			12,636	9,660		851	**23,148**		0	0	**0**
244		Oct	31			15,133	10,258		778	**26,169**		0	0	**0**
245		Nov	30			23,675	12,700		782	**37,157**		0	0	**0**
246		Dec	31			37,177	16,241		781	**54,199**		0	0	**0**
247														
248	2027	Jan	31			35,731	16,038		821	**52,589**		0	0	**0**
249		Feb	28			31,239	15,015		784	**47,037**		0	0	**0**
250		Mar	31			28,774	14,123		400	**43,298**		0	0	**0**
251		Apr	30			23,735	12,862		619	**37,217**		0	0	**0**
252		May	31			17,686	10,993		759	**29,438**		0	0	**0**
253		Jun	30			13,551	10,039		752	**24,341**		0	0	**0**
254		Jul	31			12,889	9,685		775	**23,349**		0	0	**0**
255		Aug	31			12,824	9,607		725	**23,157**		0	0	**0**
256		Sep	30			12,507	9,627		851	**22,985**		0	0	**0**
257		Oct	31			14,963	10,220		778	**25,961**		0	0	**0**
258		Nov	30			23,360	12,645		782	**36,787**		0	0	**0**
259		Dec	31			36,615	16,158		781	**53,554**		0	0	**0**
260														
261	2028	Jan	31			35,179	15,951		821	**51,951**		0	0	**0**
262		Feb	29			30,756	14,936		784	**46,476**		0	0	**0**
263		Mar	31			28,348	14,051		400	**42,799**		0	0	**0**
264		Apr	30			23,408	12,801		619	**36,828**		0	0	**0**
265		May	31			17,463	10,946		759	**29,168**		0	0	**0**
266		Jun	30			13,401	9,998		752	**24,151**		0	0	**0**
267		Jul	31			12,752	9,647		775	**23,175**		0	0	**0**
268		Aug	31			12,688	9,571		725	**22,984**		0	0	**0**
269		Sep	30			12,374	9,590		851	**22,816**		0	0	**0**
270		Oct	31			14,789	10,178		778	**25,744**		0	0	**0**
271		Nov	30			23,037	12,586		782	**36,405**		0	0	**0**
272		Dec	31			36,040	16,070		781	**52,891**		0	0	**0**

	A	B	C	D	E	O	P	Q	R	S	T	U	V	W	X	Y
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
167	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion							Noncore	System-Wide		**System Total**
168						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**
169	**Average Year Sales (Mth)**															
170	2021	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**55,702**		**180**
171		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**49,725**		**178**
172		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**45,619**		**147**
173		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,967**		**130**
174		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**30,587**		**99**
175		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**25,065**		**84**
176		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,995**		**77**
177		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,785**		**77**
178		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,611**		**79**
179		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,830**		**87**
180		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,526**		**128**
181		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**56,796**		**183**
182																
183	2022	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**55,516**		**179**
184		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**49,591**		**177**
185		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**45,536**		**147**
186		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,940**		**130**
187		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**30,613**		**99**
188		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**25,138**		**84**
189		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**24,073**		**78**
190		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,867**		**77**
191		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,689**		**79**
192		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,882**		**87**
193		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,490**		**128**
194		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**56,591**		**183**
195																
196	2023	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**55,130**		**178**
197		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**49,266**		**176**
198		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**45,256**		**146**
199		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,748**		**129**
200		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**30,508**		**98**
201		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**25,094**		**84**
202		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**24,040**		**78**
203		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,837**		**77**
204		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,661**		**79**
205		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,818**		**87**
206		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,303**		**128**
207		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**56,186**		**181**
208																
209	2024	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**54,521**		**176**
210		Feb	29			0	0	0	0	**0**	**0**	**0**	**0**	**48,735**		**168**
211		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**44,786**		**144**
212		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**38,387**		**128**
213		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**30,264**		**98**
214		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**24,929**		**83**
215		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,891**		**77**
216		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,690**		**76**
217		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,517**		**78**
218		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,628**		**86**
219		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,948**		**126**
220		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**55,553**		**179**

	A	B	C	D	E	O	P	Q	R	S	T	U	V	W	X	Y
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
167	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion							Noncore	System-Wide		**System Total**
168						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**
169	**Average Year Sales (Mth)**															
221																
222	2025	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**53,808**		**174**
223		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**48,107**		**172**
224		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**44,246**		**143**
225		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,951**		**127**
226		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**29,945**		**97**
227		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**24,695**		**82**
228		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,672**		**76**
229		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,476**		**76**
230		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,299**		**78**
231		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,364**		**85**
232		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,510**		**125**
233		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**54,819**		**177**
234																
235	2026	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**53,211**		**172**
236		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**47,584**		**170**
237		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**43,783**		**141**
238		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,593**		**125**
239		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**29,698**		**96**
240		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**24,524**		**82**
241		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,516**		**76**
242		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,322**		**75**
243		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**23,148**		**77**
244		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**26,169**		**84**
245		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,157**		**124**
246		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**54,199**		**175**
247																
248	2027	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**52,589**		**170**
249		Feb	28			0	0	0	0	**0**	**0**	**0**	**0**	**47,037**		**168**
250		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**43,298**		**140**
251		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**37,217**		**124**
252		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**29,438**		**95**
253		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**24,341**		**81**
254		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,349**		**75**
255		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,157**		**75**
256		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**22,985**		**77**
257		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**25,961**		**84**
258		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**36,787**		**123**
259		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**53,554**		**173**
260																
261	2028	Jan	31			0	0	0	0	**0**	**0**	**0**	**0**	**51,951**		**168**
262		Feb	29			0	0	0	0	**0**	**0**	**0**	**0**	**46,476**		**160**
263		Mar	31			0	0	0	0	**0**	**0**	**0**	**0**	**42,799**		**138**
264		Apr	30			0	0	0	0	**0**	**0**	**0**	**0**	**36,828**		**123**
265		May	31			0	0	0	0	**0**	**0**	**0**	**0**	**29,168**		**94**
266		Jun	30			0	0	0	0	**0**	**0**	**0**	**0**	**24,151**		**81**
267		Jul	31			0	0	0	0	**0**	**0**	**0**	**0**	**23,175**		**75**
268		Aug	31			0	0	0	0	**0**	**0**	**0**	**0**	**22,984**		**74**
269		Sep	30			0	0	0	0	**0**	**0**	**0**	**0**	**22,816**		**76**
270		Oct	31			0	0	0	0	**0**	**0**	**0**	**0**	**25,744**		**83**
271		Nov	30			0	0	0	0	**0**	**0**	**0**	**0**	**36,405**		**121**
272		Dec	31			0	0	0	0	**0**	**0**	**0**	**0**	**52,891**		**171**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**																	
275	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**		Noncore - C&I					Noncore - Electric Gene	
276						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
277	**Cold Year Throughput (Mth)**																	
278	2021	Jan				45,096	20,171		2,002	**67,270**		3,053	1,149	**4,202**	2,693	228	2,975	23,986
279		Feb				39,440	18,786		1,918	**60,144**		2,843	1,181	**4,024**	2,345	134	2,966	13,367
280		Mar				35,602	17,522		1,301	**54,425**		3,769	1,399	**5,168**	2,663	434	3,245	21,653
281		Apr				28,402	15,686		1,716	**45,803**		3,498	1,303	**4,801**	2,692	388	2,233	20,296
282		May				20,331	13,167		1,897	**35,394**		3,252	1,047	**4,299**	2,819	323	2,999	28,708
283		Jun				14,764	11,833		1,909	**28,506**		3,081	1,320	**4,401**	2,561	826	2,983	31,867
284		Jul				13,813	11,362		2,222	**27,397**		2,516	993	**3,509**	3,083	1,368	3,528	45,075
285		Aug				13,730	11,260		2,030	**27,020**		2,673	1,124	**3,797**	2,646	692	3,467	34,330
286		Sep				13,412	11,286		2,120	**26,818**		2,608	617	**3,225**	2,817	648	3,441	31,373
287		Oct				16,665	12,109		2,024	**30,798**		2,952	1,068	**4,020**	2,538	376	2,809	39,206
288		Nov				27,993	15,413		2,035	**45,441**		2,813	1,339	**4,151**	2,341	675	3,252	37,961
289		Dec				46,568	20,399		1,995	**68,963**		3,081	1,742	**4,824**	2,496	1,001	3,568	33,143
290																		
291	2022	Jan				44,496	20,728		2,030	**67,254**		3,260	1,288	**4,548**	2,460	0	3,149	27,806
292		Feb				38,914	19,314		1,945	**60,174**		3,257	1,287	**4,544**	2,529	0	3,237	24,362
293		Mar				35,137	18,014		1,335	**54,486**		3,196	1,263	**4,459**	2,554	0	3,270	25,653
294		Apr				28,044	16,135		1,749	**45,928**		3,173	1,254	**4,427**	2,603	0	3,332	24,377
295		May				20,086	13,557		1,923	**35,565**		3,121	1,233	**4,355**	2,595	0	3,321	24,879
296		Jun				14,599	12,186		1,936	**28,721**		3,108	1,228	**4,337**	2,638	0	3,377	25,888
297		Jul				13,662	11,706		2,270	**27,638**		3,054	1,207	**4,261**	2,604	0	3,333	30,453
298		Aug				13,579	11,604		2,071	**27,254**		3,027	1,196	**4,223**	2,596	0	3,322	32,896
299		Sep				13,265	11,631		2,149	**27,045**		3,001	1,186	**4,187**	2,582	0	3,305	31,879
300		Oct				16,472	12,473		2,055	**31,000**		3,024	1,195	**4,219**	2,608	0	3,338	29,223
301		Nov				27,640	15,861		2,066	**45,567**		3,022	1,194	**4,216**	2,618	0	3,351	26,778
302		Dec				45,943	20,966		2,023	**68,932**		3,000	1,186	**4,186**	2,629	0	3,355	29,309
303																		
304	2023	Jan				43,965	20,894		2,030	**66,888**		2,926	1,156	**4,082**	2,577	0	3,298	25,135
305		Feb				38,450	19,474		1,945	**59,869**		2,971	1,174	**4,145**	2,620	0	3,353	21,843
306		Mar				34,728	18,163		1,335	**54,226**		2,968	1,173	**4,141**	2,627	0	3,362	22,854
307		Apr				27,732	16,276		1,749	**45,757**		2,978	1,177	**4,155**	2,658	0	3,402	21,223
308		May				19,875	13,682		1,923	**35,480**		2,966	1,172	**4,138**	2,644	0	3,385	22,169
309		Jun				14,458	12,302		1,936	**28,697**		2,984	1,179	**4,164**	2,686	0	3,438	22,869
310		Jul				13,534	11,820		2,270	**27,624**		2,964	1,172	**4,136**	2,667	0	3,413	26,610
311		Aug				13,453	11,719		2,071	**27,243**		2,951	1,166	**4,117**	2,644	0	3,384	28,212
312		Sep				13,141	11,747		2,149	**27,037**		2,935	1,160	**4,095**	2,617	0	3,349	27,900
313		Oct				16,308	12,592		2,055	**30,955**		2,960	1,170	**4,129**	2,624	0	3,359	25,919
314		Nov				27,331	16,002		2,066	**45,400**		2,967	1,173	**4,140**	2,629	0	3,365	23,976
315		Dec				45,390	21,135		2,023	**68,547**		2,953	1,167	**4,120**	2,628	0	3,363	25,580
316																		
317	2024	Jan				43,372	20,863		2,030	**66,265**		2,880	1,138	**4,018**	2,572	0	3,292	20,814
318		Feb				37,931	19,450		1,945	**59,326**		2,933	1,159	**4,093**	2,614	0	3,345	19,467
319		Mar				34,270	18,140		1,335	**53,745**		2,937	1,161	**4,098**	2,619	0	3,352	18,574
320		Apr				27,379	16,261		1,749	**45,389**		2,953	1,167	**4,120**	2,649	0	3,390	17,203
321		May				19,634	13,676		1,923	**35,233**		2,946	1,164	**4,110**	2,635	0	3,373	18,060
322		Jun				14,295	12,299		1,936	**28,530**		2,969	1,173	**4,142**	2,677	0	3,427	19,005
323		Jul				13,385	11,819		2,270	**27,474**		2,953	1,167	**4,120**	2,659	0	3,403	23,151
324		Aug				13,305	11,720		2,071	**27,095**		2,942	1,163	**4,105**	2,636	0	3,374	23,739
325		Sep				12,996	11,747		2,149	**26,892**		2,929	1,157	**4,086**	2,609	0	3,340	23,330
326		Oct				16,118	12,589		2,055	**30,763**		2,956	1,168	**4,125**	2,618	0	3,351	22,249
327		Nov				26,983	15,990		2,066	**45,039**		2,964	1,172	**4,136**	2,622	0	3,356	20,263
328		Dec				44,773	21,104		2,023	**67,900**		2,951	1,166	**4,117**	2,620	0	3,353	21,810

2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)

MONTHLY FORECAST DATA

		Nonresidential Core			Total	Noncore - C&I			Noncore - Electric Gene			
		Residential	GN-3	G-NGV	Core	C&I (Dist.)	C&I (Trans.)	C&I (Total)	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
Cold Year Throughput (Mth)												
2025	Jan	42,750	20,799	1,983	**65,532**	2,879	1,138	**4,017**	2,568	0	3,286	19,675
	Feb	37,387	19,393	1,900	**58,681**	2,933	1,159	**4,092**	2,609	0	3,339	16,054
	Mar	33,788	18,089	1,313	**53,190**	2,937	1,161	**4,097**	2,613	0	3,345	16,256
	Apr	27,008	16,220	1,714	**44,941**	2,952	1,167	**4,118**	2,643	0	3,382	14,487
	May	19,379	13,647	1,880	**34,906**	2,944	1,164	**4,108**	2,627	0	3,363	15,881
	Jun	14,121	12,276	1,894	**28,291**	2,967	1,172	**4,139**	2,668	0	3,414	18,434
	Jul	13,226	11,799	2,226	**27,251**	2,949	1,165	**4,115**	2,646	0	3,387	21,357
	Aug	13,147	11,700	2,030	**26,877**	2,939	1,161	**4,100**	2,623	0	3,358	21,281
	Sep	12,841	11,728	2,101	**26,670**	2,925	1,156	**4,081**	2,596	0	3,323	19,884
	Oct	15,917	12,565	2,012	**30,494**	2,953	1,167	**4,119**	2,602	0	3,331	19,537
	Nov	26,616	15,951	2,022	**44,590**	2,962	1,170	**4,132**	2,608	0	3,338	18,122
	Dec	44,126	21,039	1,979	**67,145**	2,949	1,165	**4,114**	2,607	0	3,336	20,119
2026	Jan	42,222	20,706	1,983	**64,912**	2,878	1,138	**4,016**	2,556	0	3,272	18,358
	Feb	36,925	19,310	1,900	**58,136**	2,934	1,159	**4,093**	2,599	0	3,326	16,049
	Mar	33,381	18,013	1,313	**52,708**	2,939	1,161	**4,100**	2,605	0	3,335	16,711
	Apr	26,697	16,157	1,714	**44,568**	2,955	1,168	**4,123**	2,636	0	3,374	14,849
	May	19,170	13,599	1,880	**34,649**	2,949	1,165	**4,115**	2,623	0	3,357	14,830
	Jun	13,982	12,236	1,894	**28,112**	2,972	1,175	**4,147**	2,665	0	3,411	17,209
	Jul	13,099	11,762	2,226	**27,088**	2,957	1,169	**4,126**	2,648	0	3,389	20,931
	Aug	13,021	11,665	2,030	**26,716**	2,947	1,165	**4,111**	2,625	0	3,360	23,256
	Sep	12,718	11,692	2,101	**26,511**	2,934	1,159	**4,093**	2,598	0	3,326	21,506
	Oct	15,753	12,525	2,012	**30,290**	2,962	1,171	**4,133**	2,605	0	3,335	19,729
	Nov	26,310	15,891	2,022	**44,223**	2,970	1,174	**4,144**	2,611	0	3,342	17,227
	Dec	43,576	20,945	1,979	**66,500**	2,956	1,168	**4,125**	2,610	0	3,341	18,820
2027	Jan	41,675	20,605	1,983	**64,264**	2,882	1,139	**4,021**	2,560	0	3,277	18,285
	Feb	36,447	19,219	1,900	**57,566**	2,938	1,161	**4,099**	2,602	0	3,331	14,788
	Mar	32,960	17,930	1,313	**52,202**	2,943	1,163	**4,107**	2,608	0	3,338	16,513
	Apr	26,374	16,087	1,714	**44,176**	2,961	1,170	**4,131**	2,639	0	3,377	12,980
	May	18,951	13,546	1,880	**34,377**	2,954	1,167	**4,122**	2,625	0	3,360	14,513
	Jun	13,836	12,191	1,894	**27,921**	2,977	1,176	**4,153**	2,666	0	3,413	18,178
	Jul	12,966	11,721	2,226	**26,913**	2,960	1,170	**4,130**	2,648	0	3,389	21,505
	Aug	12,889	11,625	2,030	**26,544**	2,949	1,165	**4,114**	2,625	0	3,360	20,147
	Sep	12,589	11,652	2,101	**26,341**	2,935	1,160	**4,095**	2,598	0	3,325	22,430
	Oct	15,582	12,478	2,012	**30,072**	2,963	1,171	**4,134**	2,605	0	3,334	20,149
	Nov	25,991	15,823	2,022	**43,837**	2,971	1,174	**4,146**	2,610	0	3,340	17,344
	Dec	43,006	20,843	1,979	**65,828**	2,957	1,169	**4,126**	2,607	0	3,337	18,720
2028	Jan	41,117	20,498	1,983	**63,598**	2,884	1,140	**4,024**	2,555	0	3,271	17,224
	Feb	35,958	19,122	1,900	**56,980**	2,939	1,161	**4,100**	2,596	0	3,323	14,448
	Mar	32,528	17,841	1,313	**51,682**	2,943	1,163	**4,106**	2,601	0	3,329	14,116
	Apr	26,044	16,013	1,714	**43,771**	2,958	1,169	**4,127**	2,630	0	3,366	13,345
	May	18,726	13,488	1,880	**34,094**	2,950	1,166	**4,116**	2,615	0	3,347	13,862
	Jun	13,685	12,142	1,894	**27,721**	2,972	1,174	**4,146**	2,655	0	3,399	16,526
	Jul	12,829	11,675	2,226	**26,730**	2,954	1,167	**4,121**	2,635	0	3,372	19,016
	Aug	12,753	11,580	2,030	**26,363**	2,943	1,163	**4,106**	2,612	0	3,343	21,051
	Sep	12,455	11,607	2,101	**26,163**	2,929	1,157	**4,086**	2,585	0	3,308	19,730
	Oct	15,406	12,428	2,012	**29,846**	2,957	1,168	**4,125**	2,591	0	3,317	18,566
	Nov	25,665	15,751	2,022	**43,438**	2,965	1,172	**4,136**	2,596	0	3,323	16,437
	Dec	42,424	20,734	1,979	**65,138**	2,951	1,166	**4,117**	2,594	0	3,320	17,789

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
275	***MONTHLY FORECAST DATA***					ratiion			Noncore	System-Wide		**System Total**				**Total**
276						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
277	**Cold Year Throughput (Mth)**															
278	2021	Jan				**2,921**	**26,960**	**29,882**	**34,084**	**101,353**		**327**		**404**	**2,314**	**104,071**
279		Feb				**2,478**	**16,333**	**18,811**	**22,835**	**82,979**		**296**		**331**	**1,894**	**85,204**
280		Mar				**3,097**	**24,898**	**27,995**	**33,162**	**87,587**		**283**		**349**	**2,000**	**89,936**
281		Apr				**3,080**	**22,529**	**25,609**	**30,411**	**76,214**		**254**		**304**	**1,740**	**78,258**
282		May				**3,142**	**31,706**	**34,849**	**39,147**	**74,542**		**240**		**297**	**1,702**	**76,541**
283		Jun				**3,387**	**34,850**	**38,237**	**42,638**	**71,144**		**237**		**284**	**1,624**	**73,052**
284		Jul				**4,451**	**48,603**	**53,054**	**56,563**	**83,960**		**271**		**335**	**1,917**	**86,212**
285		Aug				**3,338**	**37,797**	**41,135**	**44,932**	**71,953**		**232**		**287**	**1,643**	**73,882**
286		Sep				**3,465**	**34,814**	**38,279**	**41,504**	**68,322**		**228**		**272**	**1,560**	**70,155**
287		Oct				**2,914**	**42,015**	**44,929**	**48,949**	**79,747**		**257**		**318**	**1,821**	**81,885**
288		Nov				**3,016**	**41,213**	**44,229**	**48,380**	**93,821**		**313**		**374**	**2,142**	**96,337**
289		Dec				**3,497**	**36,711**	**40,208**	**45,032**	**113,994**		**368**		**455**	**2,602**	**117,052**
290																
291	2022	Jan				**2,460**	**30,955**	**33,415**	**37,963**	**105,217**		**339**		**420**	**2,402**	**108,038**
292		Feb				**2,529**	**27,599**	**30,128**	**34,672**	**94,845**		**339**		**378**	**2,165**	**97,389**
293		Mar				**2,554**	**28,923**	**31,477**	**35,937**	**90,422**		**292**		**361**	**2,064**	**92,847**
294		Apr				**2,603**	**27,709**	**30,313**	**34,740**	**80,668**		**269**		**322**	**1,842**	**82,832**
295		May				**2,595**	**28,200**	**30,795**	**35,149**	**70,715**		**228**		**282**	**1,614**	**72,611**
296		Jun				**2,638**	**29,265**	**31,903**	**36,240**	**64,961**		**217**		**259**	**1,483**	**66,703**
297		Jul				**2,604**	**33,785**	**36,389**	**40,650**	**68,287**		**220**		**272**	**1,559**	**70,119**
298		Aug				**2,596**	**36,219**	**38,815**	**43,038**	**70,292**		**227**		**280**	**1,605**	**72,177**
299		Sep				**2,582**	**35,184**	**37,766**	**41,953**	**68,998**		**230**		**275**	**1,575**	**70,848**
300		Oct				**2,608**	**32,561**	**35,170**	**39,389**	**70,389**		**227**		**281**	**1,607**	**72,276**
301		Nov				**2,618**	**30,130**	**32,748**	**36,964**	**82,530**		**275**		**329**	**1,884**	**84,744**
302		Dec				**2,629**	**32,664**	**35,292**	**39,478**	**108,410**		**350**		**432**	**2,475**	**111,317**
303																
304	2023	Jan				**2,577**	**28,433**	**31,009**	**35,092**	**101,980**		**329**		**407**	**2,328**	**104,715**
305		Feb				**2,620**	**25,196**	**27,816**	**31,961**	**91,830**		**328**		**366**	**2,096**	**94,293**
306		Mar				**2,627**	**26,216**	**28,843**	**32,984**	**87,210**		**281**		**348**	**1,991**	**89,549**
307		Apr				**2,658**	**24,625**	**27,284**	**31,439**	**77,195**		**257**		**308**	**1,762**	**79,265**
308		May				**2,644**	**25,554**	**28,198**	**32,336**	**67,816**		**219**		**270**	**1,548**	**69,635**
309		Jun				**2,686**	**26,307**	**28,994**	**33,157**	**61,854**		**206**		**247**	**1,412**	**63,513**
310		Jul				**2,667**	**30,024**	**32,690**	**36,826**	**64,451**		**208**		**257**	**1,471**	**66,179**
311		Aug				**2,644**	**31,597**	**34,241**	**38,358**	**65,601**		**212**		**262**	**1,498**	**67,360**
312		Sep				**2,617**	**31,249**	**33,866**	**37,961**	**64,997**		**217**		**259**	**1,484**	**66,741**
313		Oct				**2,624**	**29,278**	**31,902**	**36,031**	**66,987**		**216**		**267**	**1,529**	**68,783**
314		Nov				**2,629**	**27,342**	**29,971**	**34,111**	**79,511**		**265**		**317**	**1,815**	**81,643**
315		Dec				**2,628**	**28,943**	**31,571**	**35,691**	**104,238**		**336**		**416**	**2,380**	**107,034**
316																
317	2024	Jan				**2,572**	**24,106**	**26,677**	**30,696**	**96,961**		**313**		**387**	**2,214**	**99,561**
318		Feb				**2,614**	**22,813**	**25,426**	**29,519**	**88,845**		**306**		**354**	**2,028**	**91,227**
319		Mar				**2,619**	**21,926**	**24,545**	**28,643**	**82,389**		**266**		**329**	**1,881**	**84,598**
320		Apr				**2,649**	**20,593**	**23,242**	**27,362**	**72,751**		**243**		**290**	**1,661**	**74,702**
321		May				**2,635**	**21,433**	**24,069**	**28,179**	**63,411**		**205**		**253**	**1,448**	**65,112**
322		Jun				**2,677**	**22,432**	**25,109**	**29,251**	**57,781**		**193**		**230**	**1,319**	**59,330**
323		Jul				**2,659**	**26,554**	**29,213**	**33,333**	**60,807**		**196**		**242**	**1,388**	**62,438**
324		Aug				**2,636**	**27,113**	**29,750**	**33,855**	**60,950**		**197**		**243**	**1,391**	**62,584**
325		Sep				**2,609**	**26,669**	**29,279**	**33,365**	**60,257**		**201**		**240**	**1,376**	**61,873**
326		Oct				**2,618**	**25,599**	**28,217**	**32,342**	**63,104**		**204**		**252**	**1,441**	**64,797**
327		Nov				**2,622**	**23,619**	**26,241**	**30,377**	**75,417**		**251**		**301**	**1,722**	**77,439**
328		Dec				**2,620**	**25,163**	**27,783**	**31,900**	**99,800**		**322**		**398**	**2,278**	**102,476**

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
275	***MONTHLY FORECAST DATA***					ratiion			Noncore	System-Wide		**System Total**				**Total**
276						**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**		**(Mdth/d)**		**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
277	**Cold Year Throughput (Mth)**															
329																
330	2025	Jan				**2,568**	**22,961**	**25,529**	**29,546**	**95,078**		**307**		**379**	**2,171**	**97,628**
331		Feb				**2,609**	**19,393**	**22,001**	**26,094**	**84,775**		**303**		**338**	**1,935**	**87,048**
332		Mar				**2,613**	**19,600**	**22,214**	**26,311**	**79,501**		**256**		**317**	**1,815**	**81,633**
333		Apr				**2,643**	**17,869**	**20,512**	**24,630**	**69,572**		**232**		**277**	**1,588**	**71,438**
334		May				**2,627**	**19,244**	**21,871**	**25,979**	**60,885**		**196**		**243**	**1,390**	**62,518**
335		Jun				**2,668**	**21,848**	**24,516**	**28,655**	**56,946**		**190**		**227**	**1,300**	**58,473**
336		Jul				**2,646**	**24,744**	**27,390**	**31,505**	**58,755**		**190**		**234**	**1,341**	**60,331**
337		Aug				**2,623**	**24,638**	**27,262**	**31,362**	**58,239**		**188**		**232**	**1,330**	**59,801**
338		Sep				**2,596**	**23,207**	**25,803**	**29,884**	**56,554**		**189**		**226**	**1,291**	**58,070**
339		Oct				**2,602**	**22,868**	**25,470**	**29,590**	**60,084**		**194**		**240**	**1,372**	**61,695**
340		Nov				**2,608**	**21,459**	**24,067**	**28,199**	**72,789**		**243**		**290**	**1,662**	**74,741**
341		Dec				**2,607**	**23,455**	**26,062**	**30,176**	**97,321**		**314**		**388**	**2,222**	**99,931**
342																
343	2026	Jan				**2,556**	**21,630**	**24,187**	**28,202**	**93,114**		**300**		**371**	**2,126**	**95,611**
344		Feb				**2,599**	**19,376**	**21,975**	**26,068**	**84,203**		**301**		**336**	**1,922**	**86,461**
345		Mar				**2,605**	**20,046**	**22,651**	**26,752**	**79,459**		**256**		**317**	**1,814**	**81,590**
346		Apr				**2,636**	**18,223**	**20,859**	**24,982**	**69,551**		**232**		**277**	**1,588**	**71,416**
347		May				**2,623**	**18,188**	**20,811**	**24,926**	**59,574**		**192**		**238**	**1,360**	**61,172**
348		Jun				**2,665**	**20,621**	**23,286**	**27,433**	**55,545**		**185**		**222**	**1,268**	**57,035**
349		Jul				**2,648**	**24,320**	**26,967**	**31,093**	**58,181**		**188**		**232**	**1,328**	**59,741**
350		Aug				**2,625**	**26,616**	**29,242**	**33,353**	**60,069**		**194**		**240**	**1,371**	**61,680**
351		Sep				**2,598**	**24,832**	**27,431**	**31,523**	**58,035**		**193**		**231**	**1,325**	**59,591**
352		Oct				**2,605**	**23,063**	**25,668**	**29,802**	**60,091**		**194**		**240**	**1,372**	**61,703**
353		Nov				**2,611**	**20,569**	**23,180**	**27,324**	**71,547**		**238**		**285**	**1,633**	**73,466**
354		Dec				**2,610**	**22,161**	**24,772**	**28,897**	**95,397**		**308**		**380**	**2,178**	**97,955**
355																
356	2027	Jan				**2,560**	**21,561**	**24,122**	**28,142**	**92,406**		**298**		**368**	**2,110**	**94,884**
357		Feb				**2,602**	**18,119**	**20,721**	**24,820**	**82,386**		**294**		**329**	**1,881**	**84,595**
358		Mar				**2,608**	**19,852**	**22,460**	**26,567**	**78,769**		**254**		**314**	**1,798**	**80,881**
359		Apr				**2,639**	**16,357**	**18,996**	**23,128**	**67,304**		**224**		**268**	**1,537**	**69,109**
360		May				**2,625**	**17,873**	**20,498**	**24,619**	**58,996**		**190**		**235**	**1,347**	**60,578**
361		Jun				**2,666**	**21,591**	**24,258**	**28,411**	**56,331**		**188**		**225**	**1,286**	**57,842**
362		Jul				**2,648**	**24,894**	**27,542**	**31,672**	**58,584**		**189**		**234**	**1,337**	**60,156**
363		Aug				**2,625**	**23,507**	**26,132**	**30,246**	**56,790**		**183**		**226**	**1,297**	**58,313**
364		Sep				**2,598**	**25,755**	**28,353**	**32,448**	**58,790**		**196**		**234**	**1,342**	**60,366**
365		Oct				**2,605**	**23,483**	**26,088**	**30,222**	**60,295**		**194**		**240**	**1,377**	**61,912**
366		Nov				**2,610**	**20,684**	**23,293**	**27,439**	**71,275**		**238**		**284**	**1,627**	**73,187**
367		Dec				**2,607**	**22,057**	**24,665**	**28,790**	**94,618**		**305**		**377**	**2,160**	**97,156**
368																
369	2028	Jan				**2,555**	**20,495**	**23,050**	**27,074**	**90,672**		**292**		**362**	**2,070**	**93,103**
370		Feb				**2,596**	**17,770**	**20,366**	**24,466**	**81,447**		**281**		**325**	**1,859**	**83,631**
371		Mar				**2,601**	**17,445**	**20,045**	**24,151**	**75,833**		**245**		**302**	**1,731**	**77,867**
372		Apr				**2,630**	**16,711**	**19,341**	**23,467**	**67,238**		**224**		**268**	**1,535**	**69,041**
373		May				**2,615**	**17,209**	**19,824**	**23,939**	**58,034**		**187**		**231**	**1,325**	**59,590**
374		Jun				**2,655**	**19,925**	**22,580**	**26,726**	**54,447**		**181**		**217**	**1,243**	**55,907**
375		Jul				**2,635**	**22,388**	**25,023**	**29,144**	**55,874**		**180**		**223**	**1,276**	**57,372**
376		Aug				**2,612**	**24,394**	**27,006**	**31,111**	**57,474**		**185**		**229**	**1,312**	**59,015**
377		Sep				**2,585**	**23,038**	**25,623**	**29,709**	**55,872**		**186**		**223**	**1,276**	**57,371**
378		Oct				**2,591**	**21,882**	**24,474**	**28,599**	**58,445**		**189**		**233**	**1,334**	**60,012**
379		Nov				**2,596**	**19,759**	**22,355**	**26,492**	**69,930**		**233**		**279**	**1,596**	**71,805**
380		Dec				**2,594**	**21,109**	**23,703**	**27,820**	**92,957**		**300**		**371**	**2,122**	**95,450**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**																	
383							Nonresidential Core			**Total**		Noncore - C&I			Noncore - Electric Gene			
384	**Peak Day Throughput (Mth/Day)**					Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**	EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)
385	2021					3,106	993		64.4	**4,164**		112	44	**156**	90	115	112	1,950
386	2022					3,091	1,012		65.3	**4,168**		97	38	**135**	**85**	**0**	**108**	**1,007**
387	2023					3,077	1,018		65.3	**4,161**		95	38	**133**	**85**	**0**	**108**	**879**
388	2024					3,062	1,018		65.3	**4,145**		95	38	**133**	**85**	**0**	**108**	**773**
389	2025					3,046	1,017		63.8	**4,126**		95	38	**133**	**84**	**0**	**108**	**816**
390	2026					3,032	1,014		63.8	**4,111**		95	38	**133**	**84**	**0**	**108**	**861**
391	2027					3,019	1,012		63.8	**4,094**		95	38	**133**	**84**	**0**	**108**	**862**
392	2028					3,004	1,009		63.8	**4,077**		95	38	**133**	**84**	**0**	**107**	**611**

	A	B	C	D	E	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**															
383						ratiion			Noncore	System-Wide						**Total**
384	**Peak Day Throughput (Mth/Day)**					**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total End-Use Dmd**				**Co-Use-Fuel**	**"Un-Acnt'd-For" (UAF)**	**System Throughput**
385	2021					**205**	**2,062**	**2,267**	**2,422**	**6,586**				**26**	**150**	**6,763**
386	2022					**85**	**1,115**	**1,200**	**1,335**	**5,503**				**22**	**126**	**5,651**
387	2023					**85**	**987**	**1,072**	**1,205**	**5,366**				**21**	**123**	**5,510**
388	2024					**85**	**881**	**965**	**1,098**	**5,244**				**21**	**120**	**5,384**
389	2025					**84**	**924**	**1,008**	**1,140**	**5,267**				**21**	**120**	**5,408**
390	2026					**84**	**969**	**1,053**	**1,186**	**5,297**				**21**	**121**	**5,439**
391	2027					**84**	**969**	**1,053**	**1,186**	**5,281**				**21**	**121**	**5,422**
392	2028					**84**	**718**	**802**	**935**	**5,012**				**20**	**114**	**5,146**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
395	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**			Noncore - C&I	
396						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**
397	**Forecast Number of Customers**													
398	2021	Jan				871,185	30,066		37	**901,287**		53	5	**58**
399		Feb				871,565	30,087		37	**901,688**		53	5	**58**
400		Mar				872,017	30,103		37	**902,156**		53	5	**58**
401		Apr				872,226	30,146		37	**902,408**		53	5	**58**
402		May				872,435	30,188		37	**902,659**		53	5	**58**
403		Jun				872,493	30,158		37	**902,687**		53	5	**58**
404		Jul				872,960	30,172		37	**903,168**		53	5	**58**
405		Aug				874,189	30,197		37	**904,422**		53	5	**58**
406		Sep				874,691	30,189		37	**904,916**		53	5	**58**
407		Oct				874,714	30,208		37	**904,958**		53	5	**58**
408		Nov				875,444	30,205		37	**905,685**		53	5	**58**
409		Dec				875,734	30,242		37	**906,012**		53	5	**58**
410														
411	2022	Jan				876,952	30,348		37	**907,337**		53	5	**58**
412		Feb				877,558	30,347		37	**907,942**		53	5	**58**
413		Mar				878,164	30,346		37	**908,547**		53	5	**58**
414		Apr				878,772	30,364		37	**909,173**		53	5	**58**
415		May				879,376	30,345		37	**909,758**		53	5	**58**
416		Jun				879,980	30,325		37	**910,342**		53	5	**58**
417		Jul				880,402	30,281		37	**910,720**		53	5	**58**
418		Aug				881,189	30,285		37	**911,511**		53	5	**58**
419		Sep				881,976	30,289		37	**912,302**		53	5	**58**
420		Oct				882,766	30,258		37	**913,061**		53	5	**58**
421		Nov				883,550	30,298		37	**913,885**		53	5	**58**
422		Dec				884,334	30,339		37	**914,710**		53	5	**58**
423														
424	2023	Jan				885,298	30,424		37	**915,759**		53	5	**58**
425		Feb				885,902	30,419		37	**916,358**		53	5	**58**
426		Mar				886,505	30,415		37	**916,957**		53	5	**58**
427		Apr				887,117	30,427		37	**917,581**		53	5	**58**
428		May				887,713	30,405		37	**918,155**		53	5	**58**
429		Jun				888,309	30,384		37	**918,730**		53	5	**58**
430		Jul				888,723	30,338		37	**919,098**		53	5	**58**
431		Aug				889,501	30,340		37	**919,878**		53	5	**58**
432		Sep				890,279	30,342		37	**920,658**		53	5	**58**
433		Oct				891,058	30,307		37	**921,402**		53	5	**58**
434		Nov				891,836	30,347		37	**922,220**		53	5	**58**
435		Dec				892,614	30,386		37	**923,037**		53	5	**58**
436														
437	2024	Jan				893,570	30,470		37	**924,077**		53	5	**58**
438		Feb				894,170	30,465		37	**924,672**		53	5	**58**
439		Mar				894,770	30,461		37	**925,268**		53	5	**58**
440		Apr				895,378	30,474		37	**925,889**		53	5	**58**
441		May				895,971	30,452		37	**926,460**		53	5	**58**
442		Jun				896,564	30,431		37	**927,032**		53	5	**58**
443		Jul				896,976	30,385		37	**927,398**		53	5	**58**
444		Aug				897,749	30,387		37	**928,173**		53	5	**58**
445		Sep				898,523	30,389		37	**928,949**		53	5	**58**
446		Oct				899,296	30,354		37	**929,687**		53	5	**58**
447		Nov				900,069	30,393		37	**930,499**		53	5	**58**
448		Dec				900,843	30,432		37	**931,312**		53	5	**58**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
395	***MONTHLY FORECAST DATA***						Nonresidential Core			**Total**		Noncore - C&I		
396						Residential	GN-3		G-NGV	**Core**		C&I (Dist.)	C&I (Trans.)	**C&I (Total)**
397	**Forecast Number of Customers**													
449														
450	2025	Jan				901,792	30,515		36	**932,343**		53	5	**58**
451		Feb				902,390	30,510		36	**932,936**		53	5	**58**
452		Mar				902,988	30,505		36	**933,529**		53	5	**58**
453		Apr				903,590	30,518		36	**934,144**		53	5	**58**
454		May				904,185	30,495		36	**934,716**		53	5	**58**
455		Jun				904,781	30,473		36	**935,290**		53	5	**58**
456		Jul				905,189	30,427		36	**935,652**		53	5	**58**
457		Aug				905,971	30,429		36	**936,436**		53	5	**58**
458		Sep				906,753	30,431		36	**937,220**		53	5	**58**
459		Oct				907,533	30,396		36	**937,965**		53	5	**58**
460		Nov				908,316	30,435		36	**938,787**		53	5	**58**
461		Dec				909,099	30,474		36	**939,609**		53	5	**58**
462														
463	2026	Jan				910,058	30,558		36	**940,652**		53	5	**58**
464		Feb				910,664	30,553		36	**941,253**		53	5	**58**
465		Mar				911,270	30,548		36	**941,854**		53	5	**58**
466		Apr				911,883	30,560		36	**942,479**		53	5	**58**
467		May				912,481	30,538		36	**943,055**		53	5	**58**
468		Jun				913,080	30,516		36	**943,632**		53	5	**58**
469		Jul				913,498	30,470		36	**944,004**		53	5	**58**
470		Aug				914,277	30,472		36	**944,785**		53	5	**58**
471		Sep				915,055	30,473		36	**945,564**		53	5	**58**
472		Oct				915,838	30,438		36	**946,312**		53	5	**58**
473		Nov				916,613	30,477		36	**947,126**		53	5	**58**
474		Dec				917,388	30,515		36	**947,939**		53	5	**58**
475														
476	2027	Jan				918,345	30,598		36	**948,978**		53	5	**58**
477		Feb				918,938	30,593		36	**949,566**		53	5	**58**
478		Mar				919,531	30,588		36	**950,154**		53	5	**58**
479		Apr				920,134	30,602		36	**950,771**		53	5	**58**
480		May				920,717	30,579		36	**951,331**		53	5	**58**
481		Jun				921,301	30,556		36	**951,892**		53	5	**58**
482		Jul				921,704	30,509		36	**952,249**		53	5	**58**
483		Aug				922,468	30,510		36	**953,014**		53	5	**58**
484		Sep				923,232	30,511		36	**953,779**		53	5	**58**
485		Oct				923,999	30,475		36	**954,510**		53	5	**58**
486		Nov				924,761	30,514		36	**955,311**		53	5	**58**
487		Dec				925,523	30,554		36	**956,112**		53	5	**58**
488														
489	2028	Jan				926,464	30,636		36	**957,136**		53	5	**58**
490		Feb				927,047	30,631		36	**957,714**		53	5	**58**
491		Mar				927,629	30,625		36	**958,290**		53	5	**58**
492		Apr				928,219	30,637		36	**958,892**		53	5	**58**
493		May				928,793	30,614		36	**959,443**		53	5	**58**
494		Jun				929,367	30,592		36	**959,995**		53	5	**58**
495		Jul				929,760	30,545		36	**960,341**		53	5	**58**
496		Aug				930,515	30,546		36	**961,097**		53	5	**58**
497		Sep				931,270	30,547		36	**961,853**		53	5	**58**
498		Oct				932,027	30,510		36	**962,573**		53	5	**58**
499		Nov				932,782	30,549		36	**963,367**		53	5	**58**
500		Dec				933,536	30,588		36	**964,160**		53	5	**58**

	A	B	C	D	E	O	P	Q	R	S	T	U	V	W
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
395	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion							Noncore	System-Wide
396						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total**
397	**Forecast Number of Customers**													
398	2021	Jan				80	3	5	10	**83**	**15**	**98**	**156**	**901,443**
399		Feb				80	3	5	10	**83**	**15**	**98**	**156**	**901,844**
400		Mar				80	3	5	10	**83**	**15**	**98**	**156**	**902,312**
401		Apr				80	3	5	10	**83**	**15**	**98**	**156**	**902,564**
402		May				80	3	5	10	**83**	**15**	**98**	**156**	**902,815**
403		Jun				80	3	5	10	**83**	**15**	**98**	**156**	**902,843**
404		Jul				80	3	5	10	**83**	**15**	**98**	**156**	**903,324**
405		Aug				80	3	5	10	**83**	**15**	**98**	**156**	**904,578**
406		Sep				80	3	5	10	**83**	**15**	**98**	**156**	**905,072**
407		Oct				80	3	5	10	**83**	**15**	**98**	**156**	**905,114**
408		Nov				80	3	5	10	**83**	**15**	**98**	**156**	**905,841**
409		Dec				80	3	5	10	**83**	**15**	**98**	**156**	**906,168**
410														
411	2022	Jan				80	3	5	10	**83**	**15**	**98**	**156**	**907,493**
412		Feb				80	3	5	10	**83**	**15**	**98**	**156**	**908,098**
413		Mar				80	3	5	10	**83**	**15**	**98**	**156**	**908,703**
414		Apr				80	3	5	10	**83**	**15**	**98**	**156**	**909,329**
415		May				80	3	5	10	**83**	**15**	**98**	**156**	**909,914**
416		Jun				80	3	5	10	**83**	**15**	**98**	**156**	**910,498**
417		Jul				80	3	5	10	**83**	**15**	**98**	**156**	**910,876**
418		Aug				80	3	5	10	**83**	**15**	**98**	**156**	**911,667**
419		Sep				80	3	5	10	**83**	**15**	**98**	**156**	**912,458**
420		Oct				80	3	5	10	**83**	**15**	**98**	**156**	**913,217**
421		Nov				80	3	5	10	**83**	**15**	**98**	**156**	**914,041**
422		Dec				80	3	5	10	**83**	**15**	**98**	**156**	**914,866**
423														
424	2023	Jan				80	3	5	10	**83**	**15**	**98**	**156**	**915,915**
425		Feb				80	3	5	10	**83**	**15**	**98**	**156**	**916,514**
426		Mar				80	3	5	10	**83**	**15**	**98**	**156**	**917,113**
427		Apr				80	3	5	10	**83**	**15**	**98**	**156**	**917,737**
428		May				80	3	5	10	**83**	**15**	**98**	**156**	**918,311**
429		Jun				80	3	5	10	**83**	**15**	**98**	**156**	**918,886**
430		Jul				80	3	5	10	**83**	**15**	**98**	**156**	**919,254**
431		Aug				80	3	5	10	**83**	**15**	**98**	**156**	**920,034**
432		Sep				80	3	5	10	**83**	**15**	**98**	**156**	**920,814**
433		Oct				80	3	5	10	**83**	**15**	**98**	**156**	**921,558**
434		Nov				80	3	5	10	**83**	**15**	**98**	**156**	**922,376**
435		Dec				80	3	5	10	**83**	**15**	**98**	**156**	**923,193**
436														
437	2024	Jan				80	3	5	10	**83**	**15**	**98**	**156**	**924,233**
438		Feb				80	3	5	10	**83**	**15**	**98**	**156**	**924,828**
439		Mar				80	3	5	10	**83**	**15**	**98**	**156**	**925,424**
440		Apr				80	3	5	10	**83**	**15**	**98**	**156**	**926,045**
441		May				80	3	5	10	**83**	**15**	**98**	**156**	**926,616**
442		Jun				80	3	5	10	**83**	**15**	**98**	**156**	**927,188**
443		Jul				80	3	5	10	**83**	**15**	**98**	**156**	**927,554**
444		Aug				80	3	5	10	**83**	**15**	**98**	**156**	**928,329**
445		Sep				80	3	5	10	**83**	**15**	**98**	**156**	**929,105**
446		Oct				80	3	5	10	**83**	**15**	**98**	**156**	**929,843**
447		Nov				80	3	5	10	**83**	**15**	**98**	**156**	**930,655**
448		Dec				80	3	5	10	**83**	**15**	**98**	**156**	**931,468**

	A	B	C	D	E	O	P	Q	R	S	T	U	V	W
1	**2024 CAP: SDG&E Consolidated Gas Demand Forecast Summary (Mtherms)**													
395	***MONTHLY FORECAST DATA***					Noncore - Electric Generatiion							Noncore	System-Wide
396						EG-Dist. (<3MMThms)	EG-Trans. (<3MMThms)	EG-Dist. (>=3MMThms)	EG-Trans. (>=3MMThms)	**EG (<3MMThms)**	**EG (>=3MMThms)**	**EG (Total)**	**Total**	**Total**
397	**Forecast Number of Customers**													
449														
450		2025	Jan			80	3	5	10	**83**	**15**	**98**	**156**	**932,499**
451			Feb			80	3	5	10	**83**	**15**	**98**	**156**	**933,092**
452			Mar			80	3	5	10	**83**	**15**	**98**	**156**	**933,685**
453			Apr			80	3	5	10	**83**	**15**	**98**	**156**	**934,300**
454			May			80	3	5	10	**83**	**15**	**98**	**156**	**934,872**
455			Jun			80	3	5	10	**83**	**15**	**98**	**156**	**935,446**
456			Jul			80	3	5	10	**83**	**15**	**98**	**156**	**935,808**
457			Aug			80	3	5	10	**83**	**15**	**98**	**156**	**936,592**
458			Sep			80	3	5	10	**83**	**15**	**98**	**156**	**937,376**
459			Oct			80	3	5	10	**83**	**15**	**98**	**156**	**938,121**
460			Nov			80	3	5	10	**83**	**15**	**98**	**156**	**938,943**
461			Dec			80	3	5	10	**83**	**15**	**98**	**156**	**939,765**
462														
463		2026	Jan			80	3	5	10	**83**	**15**	**98**	**156**	**940,808**
464			Feb			80	3	5	10	**83**	**15**	**98**	**156**	**941,409**
465			Mar			80	3	5	10	**83**	**15**	**98**	**156**	**942,010**
466			Apr			80	3	5	10	**83**	**15**	**98**	**156**	**942,635**
467			May			80	3	5	10	**83**	**15**	**98**	**156**	**943,211**
468			Jun			80	3	5	10	**83**	**15**	**98**	**156**	**943,788**
469			Jul			80	3	5	10	**83**	**15**	**98**	**156**	**944,160**
470			Aug			80	3	5	10	**83**	**15**	**98**	**156**	**944,941**
471			Sep			80	3	5	10	**83**	**15**	**98**	**156**	**945,720**
472			Oct			80	3	5	10	**83**	**15**	**98**	**156**	**946,468**
473			Nov			80	3	5	10	**83**	**15**	**98**	**156**	**947,282**
474			Dec			80	3	5	10	**83**	**15**	**98**	**156**	**948,095**
475														
476		2027	Jan			80	3	5	10	**83**	**15**	**98**	**156**	**949,134**
477			Feb			80	3	5	10	**83**	**15**	**98**	**156**	**949,722**
478			Mar			80	3	5	10	**83**	**15**	**98**	**156**	**950,310**
479			Apr			80	3	5	10	**83**	**15**	**98**	**156**	**950,927**
480			May			80	3	5	10	**83**	**15**	**98**	**156**	**951,487**
481			Jun			80	3	5	10	**83**	**15**	**98**	**156**	**952,048**
482			Jul			80	3	5	10	**83**	**15**	**98**	**156**	**952,405**
483			Aug			80	3	5	10	**83**	**15**	**98**	**156**	**953,170**
484			Sep			80	3	5	10	**83**	**15**	**98**	**156**	**953,935**
485			Oct			80	3	5	10	**83**	**15**	**98**	**156**	**954,666**
486			Nov			80	3	5	10	**83**	**15**	**98**	**156**	**955,467**
487			Dec			80	3	5	10	**83**	**15**	**98**	**156**	**956,268**
488														
489		2028	Jan			80	3	5	10	**83**	**15**	**98**	**156**	**957,292**
490			Feb			80	3	5	10	**83**	**15**	**98**	**156**	**957,870**
491			Mar			80	3	5	10	**83**	**15**	**98**	**156**	**958,446**
492			Apr			80	3	5	10	**83**	**15**	**98**	**156**	**959,048**
493			May			80	3	5	10	**83**	**15**	**98**	**156**	**959,599**
494			Jun			80	3	5	10	**83**	**15**	**98**	**156**	**960,151**
495			Jul			80	3	5	10	**83**	**15**	**98**	**156**	**960,497**
496			Aug			80	3	5	10	**83**	**15**	**98**	**156**	**961,253**
497			Sep			80	3	5	10	**83**	**15**	**98**	**156**	**962,009**
498			Oct			80	3	5	10	**83**	**15**	**98**	**156**	**962,729**
499			Nov			80	3	5	10	**83**	**15**	**98**	**156**	**963,523**
500			Dec			80	3	5	10	**83**	**15**	**98**	**156**	**964,316**

SoCalGas Noncore Retail Gas Demand

SoCalGas Noncore Retail Gas Demand

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SOCALGAS NONCORE COMMERCIAL

GAS DEMAND FORECAST

SoCalGas Noncore Commercial Gas Demand

Introduction

The purpose of these workpapers is to document the methodology used to forecast demand for SoCalGas' noncore commercial market. Noncore commercial customers are determined by the NAICS (North American Industrial Classification System) code on the billing record. The final demand forecast for the noncore commercial market is estimated by the output from a base econometric forecast and some "out-of-model" (post-model) adjustments, including CPUC-authorized energy efficiency goal and core to noncore migration.

Data Sources

A. Historical Billing Data

Monthly historical gas consumption for the noncore commercial market was obtained from SoCalGas' billing records for 2010-2021.

B. Natural Gas Price

The natural gas prices used to forecast demand were based on the price of gas at the burner-tip for noncore commercial customers, which is composed of the gas commodity cost, transportation rate (G-30 tariff rate), and Public Purpose Program surcharge. The cost of gas delivered to the SoCalGas "city gate" was used for the gas commodity cost. Since the G-30 tariff rate is priced according to tier, calculations were made to arrive at the overall average transportation rates from historical usage in 2021. The average rate is calculated from the weighted average rate at each tier.

C. HDD data

For the base econometric forecast model, SoCalGas recorded monthly system Hdd data are used for historical data, and average year weather design Hdd data are used for forecasting period.

D. Employment

Employment, as a measure of economic activity, is used to drive the noncore commercial demand forecast models. The employment forecast through 2028 is based on Global Insight's November 2021 Regional forecast. Global Insight prepares regular regional employment forecast for California and the aggregated six largest counties' Metropolitan Statistical Area (MSA) in SoCalGas' service area. (The six counties – Kern, Los Angeles, Orange, Riverside, San Bernardino, and Ventura – account for about 85% of the service area's total population and employment). The historical employment data used was derived from the California Employment

Development Department (EDD) for the 12 counties served by SoCalGas. The monthly employment used in the model was generally by summing the employment data over the commercial and industrial NAICS codes.

E. Post-Model Adjustment

Once the base econometric forecast model generated the base forecast, post-model adjustments were made to account for effects the model is not designed to simulate. Energy savings goals that were authorized by the CPUC in decision D.04-09-060 and migration of customers between noncore and core service has been observed to the extent that the net-migration is from core to noncore. An outlook for this net load migration, split between commercial and industrial sectors was developed and results in a *subtraction* from the respective core sector and a corresponding *addition* to the respective noncore sector.

Base Forecast Model

Noncore Commercial consumption are forecasted using a base econometric employing monthly historical data from 2010 through 2021. To model the dependent variable (consumption as Mdth), the independent variables are HDD, Employment, Gas burner-tip price, monthly dummy variables, and autoregressive terms to correct for any autocorrelation that may be present in the model errors.

Noncore Commercial and Industrial *Gas Transportation Rates*

Gas Transp. Forecast from Rate Design (Nominal Cents per Therm)							Trans Option: "Class Averge"			Trans Option: "Reservation"					
Year	PPP (¢/Thm)	Dcharge ($/mo /mtr)	D1 (¢/Thm)	D2 (¢/Thm)	D3 (¢/Thm)	D4 (¢/Thm)	Tcharge ($/mo /mtr)	T1 (¢/Thm)	T2 (¢/Thm)	Tcharge (¢/Thm/day per Mtr)	T1 (¢/Thm)	T2 (¢/Thm)	GHG Credit (¢/Thm)	CPI	BTS $/Dth
2021	5.34	$350	34.80	24.12	17.28	12.40	$0	8.12	8.12	1.06	6.55	6.55	-4.529	1.000	0.401
2022	6.01	$350	40.22	29.36	22.42	17.46	$0	14.13	14.13	1.07	12.55	12.55	-10.911	1.050	0.368
2023	6.11	$350	41.50	30.13	22.85	17.66	$0	14.78	14.78	1.46	12.61	12.61	-10.911	1.071	0.547
2024	6.24	$350	42.01	30.41	22.99	17.68	$0	14.73	14.73	1.47	12.56	12.56	-10.911	1.093	0.547
2025	6.37	$350	42.61	30.76	23.18	17.76	$0	14.72	14.72	1.47	12.55	12.55	-10.911	1.116	0.547
2026	6.52	$350	43.30	31.16	23.40	17.85	$0	14.73	14.73	1.47	12.55	12.55	-10.911	1.140	0.547
2027	6.68	$350	44.02	31.59	23.64	17.95	$0	14.74	14.74	1.48	12.55	12.55	-10.911	1.167	0.547
2028	6.85	$350	44.79	32.04	23.89	18.06	$0	14.75	14.75	1.49	12.55	12.55	-10.911	1.194	0.547

2021 Noncore Commercial Weight of Usage by Tier

Distribution	95.67%
Transmission	4.33%

Tier	% of Group	% of Total
D1	26.76%	25.6%
D2	39.90%	38.2%
D3	15.88%	15.2%
D4	17.46%	16.7%
T1	99.05%	4.3%
T2	0.95%	0.0%
		100.0%

Example Calculation for 2025 August Noncore Commercial Gas Price

Transportation Charge (¢/Thm): (including GHG)	36.143	=	**+ (95.67% Ind Dist of total Ind) * { (26.76%*42.61 ¢/Thm + 39.90%* 30.76 ¢/Thm + 15.88%* 23.18 ¢/Thm + 17.46%* 17.76 ¢/Thm) }** **+ (4.33% Ind Trans of total Ind) * { (99.05%* 14.72 ¢/Thm+0.95%* 14.72¢/Thm) }** **+ PPP Surcharge (¢/Thm): 6.370¢/Thm, in 2025**
Gas Commodity Price (¢/Thm):	39.473	=	**(market price of gas at the SoCalGas City Gate)**
Customer's "Burner-Tip" Price:	**75.616**	=	**(36.143 + 39.473) ¢/Thm (Final Average nominal price)**
CPI (Yr 2021 = 100)	1.118		
Real Price -2021 (¢/Thm)	67.611		
Real Price -2021 $/Dth	6.761		**(Final Average 2021 real price)**

Below are SAS base econometric forecast model results.

The AUTOREG Procedure

Maximum Likelihood Estimates			
SSE	577023.541	DFE	128
MSE	4508	Root MSE	67.14161
SBC	1683.32242	AIC	1635.80541
MAE	42.280703	AICC	1640.08887
MAPE	2.87197891	HQC	1655.11364
Log Likelihood	-801.90271	Transformed Regression R-Square	0.8652
Durbin-Watson	1.8998	Total R-Square	0.9219
		Observations	144

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > |t|
Intercept	1	1351	254.4345	5.31	<.0001
HDD	1	1.2566	0.1547	8.12	<.0001
Employment	1	25.1886	28.0506	0.90	0.3709
Price	1	-10.9049	7.8618	-1.39	0.1678
Month_01	1	11.0762	23.3364	0.47	0.6359
Month_02	1	-131.2635	29.6171	-4.43	<.0001
Month_03	1	-35.7148	35.9421	-0.99	0.3223
Month_04	1	-148.1492	44.9382	-3.30	0.0013
Month_05	1	-178.6929	48.8993	-3.65	0.0004
Month_06	1	-280.4717	53.4428	-5.25	<.0001
Month_07	1	-297.4440	54.2184	-5.49	<.0001
Month_08	1	-241.5884	53.1966	-4.54	<.0001
Month_09	1	77.8645	52.6510	1.48	0.1416
Month_10	1	-51.8989	48.0246	-1.08	0.2819
Month_11	1	-140.2687	32.2760	-4.35	<.0001
AR1	1	-0.6514	0.0674	-9.67	<.0001

The table below shows the base noncore Commercial gas demand forecast from econometric model before post-model adjustment.

Base Forecast of Noncore Commercial Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-22	254.4	8.287	8.494	1	0	0	0	0	0	0	0	0	0	0	1,783.2
Feb-22	218.0	8.357	7.976	0	1	0	0	0	0	0	0	0	0	0	1,607.7
Mar-22	166.1	8.355	8.229	0	0	1	0	0	0	0	0	0	0	0	1,638.6
Apr-22	102.6	8.542	7.360	0	0	0	1	0	0	0	0	0	0	0	1,462.9
May-22	47.1	8.634	7.295	0	0	0	0	1	0	0	0	0	0	0	1,367.0
Jun-22	9.7	8.763	7.698	0	0	0	0	0	1	0	0	0	0	0	1,218.0
Jul-22	2.0	8.625	8.832	0	0	0	0	0	0	1	0	0	0	0	1,176.2
Aug-22	1.7	8.698	8.942	0	0	0	0	0	0	0	1	0	0	0	1,232.8
Sep-22	4.5	8.769	8.352	0	0	0	0	0	0	0	0	1	0	0	1,564.1
Oct-22	30.3	8.787	7.528	0	0	0	0	0	0	0	0	0	1	0	1,476.4
Nov-22	123.3	8.863	8.301	0	0	0	0	0	0	0	0	0	0	1	1,498.6
Dec-22	282.3	8.827	9.295	0	0	0	0	0	0	0	0	0	0	0	1,826.9
Jan-23	253.2	8.474	7.950	1	0	0	0	0	0	0	0	0	0	0	1,807.2
Feb-23	216.9	8.547	8.861	0	1	0	0	0	0	0	0	0	0	0	1,611.2
Mar-23	165.2	8.545	7.750	0	0	1	0	0	0	0	0	0	0	0	1,653.9
Apr-23	102.1	8.645	6.472	0	0	0	1	0	0	0	0	0	0	0	1,478.7
May-23	46.9	8.736	6.347	0	0	0	0	1	0	0	0	0	0	0	1,382.3
Jun-23	9.6	8.865	6.388	0	0	0	0	0	1	0	0	0	0	0	1,236.6
Jul-23	2.0	8.652	7.461	0	0	0	0	0	0	1	0	0	0	0	1,193.0
Aug-23	1.7	8.725	7.533	0	0	0	0	0	0	0	1	0	0	0	1,249.5
Sep-23	4.5	8.797	7.035	0	0	0	0	0	0	0	0	1	0	0	1,579.7
Oct-23	30.2	8.830	8.235	0	0	0	0	0	0	0	0	0	1	0	1,470.0
Nov-23	122.7	8.906	7.819	0	0	0	0	0	0	0	0	0	0	1	1,504.4
Dec-23	280.9	8.870	8.389	0	0	0	0	0	0	0	0	0	0	0	1,836.3
Jan-24	251.9	8.507	8.393	1	0	0	0	0	0	0	0	0	0	0	1,801.7
Feb-24	215.9	8.581	8.010	0	1	0	0	0	0	0	0	0	0	0	1,620.1
Mar-24	164.4	8.579	7.531	0	0	1	0	0	0	0	0	0	0	0	1,656.2
Apr-24	101.6	8.675	6.790	0	0	0	1	0	0	0	0	0	0	0	1,475.4
May-24	46.6	8.764	6.698	0	0	0	0	1	0	0	0	0	0	0	1,379.0
Jun-24	9.6	8.891	6.697	0	0	0	0	0	1	0	0	0	0	0	1,233.8
Jul-24	2.0	8.690	7.319	0	0	0	0	0	0	1	0	0	0	0	1,195.5
Aug-24	1.7	8.764	7.373	0	0	0	0	0	0	0	1	0	0	0	1,252.3
Sep-24	4.4	8.836	7.212	0	0	0	0	0	0	0	0	1	0	0	1,578.7
Oct-24	30.0	8.859	6.638	0	0	0	0	0	0	0	0	0	1	0	1,487.9
Nov-24	122.2	8.934	6.929	0	0	0	0	0	0	0	0	0	0	1	1,514.0
Dec-24	279.5	8.899	7.769	0	0	0	0	0	0	0	0	0	0	0	1,842.0

Base Forecast of Noncore Commercial Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-25	250.7	8.544	7.759	1	0	0	0	0	0	0	0	0	0	0	1,808.0
Feb-25	214.8	8.618	7.552	0	1	0	0	0	0	0	0	0	0	0	1,624.7
Mar-25	163.6	8.617	7.033	0	0	1	0	0	0	0	0	0	0	0	1,661.6
Apr-25	101.1	8.720	6.454	0	0	0	1	0	0	0	0	0	0	0	1,479.5
May-25	46.4	8.809	6.327	0	0	0	0	1	0	0	0	0	0	0	1,383.8
Jun-25	9.5	8.934	6.365	0	0	0	0	0	1	0	0	0	0	0	1,238.4
Jul-25	2.0	8.738	6.638	0	0	0	0	0	0	1	0	0	0	0	1,204.1
Aug-25	1.7	8.813	6.761	0	0	0	0	0	0	0	1	0	0	0	1,260.1
Sep-25	4.4	8.885	6.690	0	0	0	0	0	0	0	0	1	0	0	1,585.6
Oct-25	29.9	8.914	6.549	0	0	0	0	0	0	0	0	0	1	0	1,490.1
Nov-25	121.6	8.989	6.722	0	0	0	0	0	0	0	0	0	0	1	1,516.9
Dec-25	278.2	8.955	7.328	0	0	0	0	0	0	0	0	0	0	0	1,846.5
Jan-26	249.5	8.602	7.526	1	0	0	0	0	0	0	0	0	0	0	1,810.5
Feb-26	213.8	8.677	7.340	0	1	0	0	0	0	0	0	0	0	0	1,627.2
Mar-26	162.8	8.675	7.022	0	0	1	0	0	0	0	0	0	0	0	1,662.2
Apr-26	100.7	8.781	6.466	0	0	0	1	0	0	0	0	0	0	0	1,480.3
May-26	46.2	8.870	6.405	0	0	0	0	1	0	0	0	0	0	0	1,384.2
Jun-26	9.5	8.995	6.416	0	0	0	0	0	1	0	0	0	0	0	1,239.3
Jul-26	2.0	8.796	6.559	0	0	0	0	0	0	1	0	0	0	0	1,206.4
Aug-26	1.7	8.871	6.676	0	0	0	0	0	0	0	1	0	0	0	1,262.5
Sep-26	4.4	8.944	6.592	0	0	0	0	0	0	0	0	1	0	0	1,588.1
Oct-26	29.7	8.968	6.450	0	0	0	0	0	0	0	0	0	1	0	1,492.3
Nov-26	121.0	9.043	6.750	0	0	0	0	0	0	0	0	0	0	1	1,517.2
Dec-26	276.8	9.009	7.179	0	0	0	0	0	0	0	0	0	0	0	1,847.8
Jan-27	248.3	8.651	7.383	1	0	0	0	0	0	0	0	0	0	0	1,811.8
Feb-27	212.7	8.727	7.219	0	1	0	0	0	0	0	0	0	0	0	1,628.4
Mar-27	162.0	8.725	6.959	0	0	1	0	0	0	0	0	0	0	0	1,663.1
Apr-27	100.2	8.826	6.404	0	0	0	1	0	0	0	0	0	0	0	1,481.5
May-27	46.0	8.915	6.361	0	0	0	0	1	0	0	0	0	0	0	1,385.5
Jun-27	9.4	9.039	6.365	0	0	0	0	0	1	0	0	0	0	0	1,241.0
Jul-27	2.0	8.835	6.497	0	0	0	0	0	0	1	0	0	0	0	1,208.1
Aug-27	1.7	8.910	6.600	0	0	0	0	0	0	0	1	0	0	0	1,264.3
Sep-27	4.4	8.983	6.514	0	0	0	0	0	0	0	0	1	0	0	1,589.9
Oct-27	29.6	9.006	6.363	0	0	0	0	0	0	0	0	0	1	0	1,494.0
Nov-27	120.4	9.081	6.643	0	0	0	0	0	0	0	0	0	0	1	1,518.6
Dec-27	275.5	9.047	7.062	0	0	0	0	0	0	0	0	0	0	0	1,848.3

Base Forecast of Noncore Commercial Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-28	247.0	8.687	7.276	1	0	0	0	0	0	0	0	0	0	0	1,812.3
Feb-28	211.6	8.763	7.141	0	1	0	0	0	0	0	0	0	0	0	1,628.9
Mar-28	161.2	8.761	6.905	0	0	1	0	0	0	0	0	0	0	0	1,663.6
Apr-28	99.7	8.862	6.374	0	0	0	1	0	0	0	0	0	0	0	1,482.1
May-28	45.7	8.951	6.323	0	0	0	0	1	0	0	0	0	0	0	1,386.6
Jun-28	9.4	9.075	6.325	0	0	0	0	0	1	0	0	0	0	0	1,242.3
Jul-28	2.0	8.869	6.457	0	0	0	0	0	0	1	0	0	0	0	1,209.3
Aug-28	1.7	8.944	6.561	0	0	0	0	0	0	0	1	0	0	0	1,265.6
Sep-28	4.3	9.017	6.480	0	0	0	0	0	0	0	0	1	0	0	1,591.1
Oct-28	29.4	9.038	6.316	0	0	0	0	0	0	0	0	0	1	0	1,495.2
Nov-28	119.8	9.113	6.586	0	0	0	0	0	0	0	0	0	0	1	1,519.3
Dec-28	274.1	9.079	6.949	0	0	0	0	0	0	0	0	0	0	0	1,848.7

Noncore Commercial Annual Post-model Adjustment (2021-2028)

Year	Base Econometric Model Output (MDth)	Vernon Migration	EE Program (MDth)	Migration: core --> noncore	Final Average Year Forecast (MDth)	Adjustment %
2021	17,982.5	0.0	0.0	0.0	17,982.5	0.00%
2022	17,852.5	0.0	22.3	389.5	18,219.7	2.06%
2023	18,002.7	0.0	46.7	389.5	18,345.5	1.90%
2024	18,036.6	0.0	70.7	389.5	18,355.4	1.77%
2025	18,099.5	0.0	95.7	389.5	18,393.3	1.62%
2026	18,118.1	0.0	116.6	389.5	18,391.0	1.51%
2027	18,134.6	0.0	138.5	389.5	18,385.6	1.38%
2028	18,144.9	0.0	160.5	389.5	18,373.9	1.26%

Noncore Commercial Monthly Post-model Adjustment (2022-2028)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-22	1,783.2	2.06%	1,819.9
Feb-22	1,607.7	2.06%	1,640.8
Mar-22	1,638.6	2.06%	1,672.3
Apr-22	1,462.9	2.06%	1,493.0
May-22	1,367.0	2.06%	1,395.1
Jun-22	1,218.0	2.06%	1,243.1
Jul-22	1,176.2	2.06%	1,200.4
Aug-22	1,232.8	2.06%	1,258.1
Sep-22	1,564.1	2.06%	1,596.3
Oct-22	1,476.4	2.06%	1,506.8
Nov-22	1,498.6	2.06%	1,529.4
Dec-22	1,826.9	2.06%	1,864.4
Jan-23	1,807.2	1.90%	1,841.6
Feb-23	1,611.2	1.90%	1,641.9
Mar-23	1,653.9	1.90%	1,685.4
Apr-23	1,478.7	1.90%	1,506.8
May-23	1,382.3	1.90%	1,408.6
Jun-23	1,236.6	1.90%	1,260.1
Jul-23	1,193.0	1.90%	1,215.7
Aug-23	1,249.5	1.90%	1,273.3
Sep-23	1,579.7	1.90%	1,609.7
Oct-23	1,470.0	1.90%	1,497.9
Nov-23	1,504.4	1.90%	1,533.0
Dec-23	1,836.3	1.90%	1,871.2
Jan-24	1,801.7	1.77%	1,833.6
Feb-24	1,620.1	1.77%	1,648.7
Mar-24	1,656.2	1.77%	1,685.5
Apr-24	1,475.4	1.77%	1,501.4
May-24	1,379.0	1.77%	1,403.3
Jun-24	1,233.8	1.77%	1,255.6
Jul-24	1,195.5	1.77%	1,216.6
Aug-24	1,252.3	1.77%	1,274.4
Sep-24	1,578.7	1.77%	1,606.6
Oct-24	1,487.9	1.77%	1,514.2
Nov-24	1,514.0	1.77%	1,540.8
Dec-24	1,842.0	1.77%	1,874.6
Jan-25	1,808.0	1.62%	1,837.4
Feb-25	1,624.7	1.62%	1,651.1
Mar-25	1,661.6	1.62%	1,688.6
Apr-25	1,479.5	1.62%	1,503.6
May-25	1,383.8	1.62%	1,406.3
Jun-25	1,238.4	1.62%	1,258.5
Jul-25	1,204.1	1.62%	1,223.7
Aug-25	1,260.1	1.62%	1,280.6
Sep-25	1,585.6	1.62%	1,611.3
Oct-25	1,490.1	1.62%	1,514.3
Nov-25	1,516.9	1.62%	1,541.6
Dec-25	1,846.5	1.62%	1,876.5

Noncore Commercial Monthly Post-model Adjustment (2022-2028)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-26	1,810.5	1.51%	1,837.8
Feb-26	1,627.2	1.51%	1,651.7
Mar-26	1,662.2	1.51%	1,687.2
Apr-26	1,480.3	1.51%	1,502.6
May-26	1,384.2	1.51%	1,405.1
Jun-26	1,239.3	1.51%	1,258.0
Jul-26	1,206.4	1.51%	1,224.6
Aug-26	1,262.5	1.51%	1,281.5
Sep-26	1,588.1	1.51%	1,612.0
Oct-26	1,492.3	1.51%	1,514.8
Nov-26	1,517.2	1.51%	1,540.1
Dec-26	1,847.8	1.51%	1,875.6
Jan-27	1,811.8	1.38%	1,836.8
Feb-27	1,628.4	1.38%	1,651.0
Mar-27	1,663.1	1.38%	1,686.1
Apr-27	1,481.5	1.38%	1,502.0
May-27	1,385.5	1.38%	1,404.7
Jun-27	1,241.0	1.38%	1,258.1
Jul-27	1,208.1	1.38%	1,224.8
Aug-27	1,264.3	1.38%	1,281.8
Sep-27	1,589.9	1.38%	1,611.9
Oct-27	1,494.0	1.38%	1,514.7
Nov-27	1,518.6	1.38%	1,539.6
Dec-27	1,848.3	1.38%	1,873.9
Jan-28	1,812.3	1.26%	1,835.1
Feb-28	1,628.9	1.26%	1,649.4
Mar-28	1,663.6	1.26%	1,684.6
Apr-28	1,482.1	1.26%	1,500.8
May-28	1,386.6	1.26%	1,404.1
Jun-28	1,242.3	1.26%	1,257.9
Jul-28	1,209.3	1.26%	1,224.6
Aug-28	1,265.6	1.26%	1,281.6
Sep-28	1,591.1	1.26%	1,611.2
Oct-28	1,495.2	1.26%	1,514.1
Nov-28	1,519.3	1.26%	1,538.5
Dec-28	1,848.7	1.26%	1,872.0

SOCALGAS NONCORE INDUSTRIAL NON-REFINERY GAS DEMAND FORECAST

SoCalGas Noncore Industrial Non-Refinery Gas Demand

Introduction

The purpose of these workpapers is to document the methodology used to forecast demand for SoCalGas' noncore industrial non-refinery market. Noncore industrial customers are determined by the NAICS (North American Industrial Classification System) code on the billing record. The final demand forecast for the noncore industrial non-refinery market is estimated by the output from a base econometric forecast and some "out-of-model" (post-model) adjustments, including CPUC-authorized energy efficiency goal, core to noncore migration, and expected load leaving SoCalGas' retail service for service by the City of Vernon.

Data Sources

A. Historical Billing Data

Monthly historical gas consumption for the noncore industrial non-refinery market was obtained from SoCalGas' billing records for 2010-2021.

B. Natural Gas Price

The natural gas prices used to forecast demand were based on the price of gas at the burner-tip for noncore industrial non-refinery customers, which is composed of the gas commodity cost, transportation rate (G-30 tariff rate), and Public Purpose Program surcharge. The cost of gas delivered to the SoCalGas "city gate" was used for the gas commodity cost. Since the G-30 tariff rate is priced according to tier, calculations were made to arrive at the overall average transportation rates from historical usage in 2021. The average rate is calculated from the weighted average rate at each tier.

C. HDD data

For the base econometric forecast model, SoCalGas recorded monthly system Hdd data are used for historical data, and average year weather design Hdd data are used for forecasting period.

D. Employment

Employment, as a measure of economic activity, is used to drive the noncore industrial non-refinery demand forecast models. The employment forecast through 2028 is based on Global Insight's November 2021 Regional forecast. Global Insight prepares regular regional employment forecast for California and the aggregated six largest counties' Metropolitan Statistical Area (MSA) in SoCalGas' service area. (The six counties – Kern, Los Angeles, Orange, Riverside, San Bernardino, and

Ventura – account for about 85% of the service area's total population and employment). The historical employment data used was derived from the California Employment Development Department (EDD) for the 12 counties served by SoCalGas. The monthly employment used in the model was generally by summing the employment data over the commercial and industrial NAICS codes.

E. Post-Model Adjustment

Once the base econometric forecast model generated the base forecast, post-model adjustments were made to account for effects the model is not designed to simulate. Energy savings goals that were authorized by the CPUC in decision D.04-09-060 and expected load leaving SoCalGas' retail service for service by the City of Vernon were subtracted from the model forecast. The gas load for these customers essentially transfers from retail to wholesale service. Migration of customers between noncore and core service has been observed to the extent that the net-migration is from core to noncore. An outlook for this net load migration, split between commercial and industrial sectors was developed and results in a *subtraction* from the respective core sector and a corresponding *addition* to the respective noncore sector.

Base Forecast Model

Noncore Industrial non-refinery consumption is forecasted using a base econometric employing monthly historical data from 2010 through 2021. To model the dependent variable (consumption as Mdth), the independent variables are HDD, Employment, Gas burner-tip price, monthly dummy variables, and autoregressive terms to correct for any autocorrelation that may be present in the model errors.

Noncore Commercial and Industrial *Gas Transportation Rates*

Gas Transp. Forecast from Rate Design (Nominal Cents per Therm)							Trans Option: "Class Averge"			Trans Option: "Reservation"					
Year	PPP (¢/Thm)	Dcharge ($/mo /mtr)	D1 (¢/Thm)	D2 (¢/Thm)	D3 (¢/Thm)	D4 (¢/Thm)	Tcharge ($/mo /mtr)	T1 (¢/Thm)	T2 (¢/Thm)	Tcharge (¢/Thm/day per Mtr)	T1 (¢/Thm)	T2 (¢/Thm)	GHG Credit (¢/Thm)	CPI	BTS $/Dth
2021	5.34	$350	34.80	24.12	17.28	12.40	$0	8.12	8.12	1.06	6.55	6.55	-4.529	1.000	0.401
2022	6.01	$350	40.22	29.36	22.42	17.46	$0	14.13	14.13	1.07	12.55	12.55	-10.911	1.050	0.368
2023	6.11	$350	41.50	30.13	22.85	17.66	$0	14.78	14.78	1.46	12.61	12.61	-10.911	1.071	0.547
2024	6.24	$350	42.01	30.41	22.99	17.68	$0	14.73	14.73	1.47	12.56	12.56	-10.911	1.093	0.547
2025	6.37	$350	42.61	30.76	23.18	17.76	$0	14.72	14.72	1.47	12.55	12.55	-10.911	1.116	0.547
2026	6.52	$350	43.30	31.16	23.40	17.85	$0	14.73	14.73	1.47	12.55	12.55	-10.911	1.140	0.547
2027	6.68	$350	44.02	31.59	23.64	17.95	$0	14.74	14.74	1.48	12.55	12.55	-10.911	1.167	0.547
2028	6.85	$350	44.79	32.04	23.89	18.06	$0	14.75	14.75	1.49	12.55	12.55	-10.911	1.194	0.547

2021 Noncore Industrial Non-Refinery Weight of Usage by Tier

Distribution	94.81%
Transmission	5.19%

Tier	% of Group	% of Total
D1	15.27%	14.5%
D2	28.95%	27.4%
D3	17.40%	16.5%
D4	38.38%	36.4%
T1	31.69%	1.6%
T2	68.31%	3.5%
		100.0%

Example Calculation for 2025 August Noncore Industrial Non-Refinery Gas Price

Transportation Charge (¢/Thm): (including GHG)	32.029	=	**+ (94.81% Ind Dist of total Ind) * { (15.27%*42.61 ¢/Thm + 28.95%* 30.76 ¢/Thm + 17.40%* 23.18 ¢/Thm + 38.38%* 17.76 ¢/Thm) }** **+ (5.19% Ind Trans of total Ind) * { (31.69%* 14.72 ¢/Thm+68.31%* 14.72¢/Thm) }** **+ PPP Surcharge (¢/Thm): 6.370¢/Thm, in 2025**
Gas Commodity Price (¢/Thm):	39.473	=	**(market price of gas at the SoCalGas City Gate)**
Customer's "Burner-Tip" Price:	**71.502**	=	**(32.029 + 39.473) ¢/Thm (Final Average nominal price)**
CPI (Yr 2021 = 100)	1.118		
Real Price -2021 (¢/Thm)	63.932		
Real Price -2021 $/Dth	6.393		**(Final Average 2021 real price)**

Below are SAS base econometric forecast model results.

The AUTOREG Procedure

Maximum Likelihood Estimates			
SSE	1812775.43	DFE	128
MSE	14162	Root MSE	119.00550
SBC	1847.89544	AIC	1800.37843
MAE	85.2368364	AICC	1804.66189
MAPE	1.98978163	HQC	1819.68666
Log Likelihood	-884.18921	Transformed Regression R-Square	0.8416
Durbin-Watson	1.9781	Total R-Square	0.8989
		Observations	144

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > |t|
Intercept	1	1095	518.3556	2.11	0.0366
HDD	1	0.4092	0.2799	1.46	0.1462
Employment	1	3.7778	0.6893	5.48	<.0001
Price	1	-16.6990	11.8088	-1.41	0.1598
Month_01	1	273.4393	41.5605	6.58	<.0001
Month_02	1	-18.8902	51.6922	-0.37	0.7154
Month_03	1	364.9462	61.2643	5.96	<.0001
Month_04	1	429.8263	76.0570	5.65	<.0001
Month_05	1	520.7200	83.3136	6.25	<.0001
Month_06	1	371.3747	91.9600	4.04	<.0001
Month_07	1	792.8907	93.0174	8.52	<.0001
Month_08	1	1150	92.4392	12.44	<.0001
Month_09	1	836.0985	91.7296	9.11	<.0001
Month_10	1	511.1468	85.2532	6.00	<.0001
Month_11	1	149.8781	58.5724	2.56	0.0117
AR1	1	-0.4972	0.0794	-6.26	<.0001

The table below shows the base noncore Industrial non-refinery gas demand forecast from econometric model before post-model adjustment.

Base Forecast of SoCalGas Noncore Industrial Non-Refinery Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-22	254.4	668.953	8.132	1	0	0	0	0	0	0	0	0	0	0	3,937.7
Feb-22	218.0	673.087	7.615	0	1	0	0	0	0	0	0	0	0	0	3,617.6
Mar-22	166.1	673.250	7.868	0	0	1	0	0	0	0	0	0	0	0	3,958.1
Apr-22	102.6	670.407	6.999	0	0	0	1	0	0	0	0	0	0	0	3,991.6
May-22	47.1	678.298	6.935	0	0	0	0	1	0	0	0	0	0	0	4,086.1
Jun-22	9.7	686.310	7.338	0	0	0	0	0	1	0	0	0	0	0	3,942.7
Jul-22	2.0	679.870	8.473	0	0	0	0	0	0	1	0	0	0	0	4,316.7
Aug-22	1.7	681.385	8.584	0	0	0	0	0	0	0	1	0	0	0	4,676.6
Sep-22	4.5	681.279	7.994	0	0	0	0	0	0	0	0	1	0	0	4,373.4
Oct-22	30.3	687.538	7.170	0	0	0	0	0	0	0	0	0	1	0	4,096.3
Nov-22	123.3	687.315	7.944	0	0	0	0	0	0	0	0	0	0	1	3,759.2
Dec-22	282.3	687.104	8.938	0	0	0	0	0	0	0	0	0	0	0	3,656.9
Jan-23	253.2	680.148	7.578	1	0	0	0	0	0	0	0	0	0	0	3,914.9
Feb-23	216.9	684.485	8.490	0	1	0	0	0	0	0	0	0	0	0	3,608.9
Mar-23	165.2	684.692	7.379	0	0	1	0	0	0	0	0	0	0	0	3,990.9
Apr-23	102.1	680.541	6.102	0	0	0	1	0	0	0	0	0	0	0	4,035.6
May-23	46.9	688.821	5.978	0	0	0	0	1	0	0	0	0	0	0	4,137.2
Jun-23	9.6	697.006	6.019	0	0	0	0	0	1	0	0	0	0	0	4,002.9
Jul-23	2.0	691.845	7.092	0	0	0	0	0	0	1	0	0	0	0	4,383.9
Aug-23	1.7	693.311	7.165	0	0	0	0	0	0	0	1	0	0	0	4,744.8
Sep-23	4.5	693.175	6.668	0	0	0	0	0	0	0	0	1	0	0	4,440.2
Oct-23	30.2	689.041	7.868	0	0	0	0	0	0	0	0	0	1	0	4,090.1
Nov-23	122.7	688.821	7.453	0	0	0	0	0	0	0	0	0	0	1	3,772.8
Dec-23	280.9	688.575	8.024	0	0	0	0	0	0	0	0	0	0	0	3,677.2
Jan-24	251.9	676.493	8.021	1	0	0	0	0	0	0	0	0	0	0	3,893.2
Feb-24	215.9	680.795	7.639	0	1	0	0	0	0	0	0	0	0	0	3,608.7
Mar-24	164.4	681.004	7.160	0	0	1	0	0	0	0	0	0	0	0	3,980.3
Apr-24	101.6	675.396	6.420	0	0	0	1	0	0	0	0	0	0	0	4,010.6
May-24	46.6	683.556	6.328	0	0	0	0	1	0	0	0	0	0	0	4,111.4
Jun-24	9.6	691.607	6.328	0	0	0	0	0	1	0	0	0	0	0	3,977.3
Jul-24	2.0	686.359	6.951	0	0	0	0	0	0	1	0	0	0	0	4,365.5
Aug-24	1.7	687.768	7.005	0	0	0	0	0	0	0	1	0	0	0	4,726.6
Sep-24	4.4	687.665	6.845	0	0	0	0	0	0	0	0	1	0	0	4,416.4
Oct-24	30.0	683.615	6.272	0	0	0	0	0	0	0	0	0	1	0	4,096.2
Nov-24	122.2	683.377	6.564	0	0	0	0	0	0	0	0	0	0	1	3,766.8
Dec-24	279.5	683.077	7.404	0	0	0	0	0	0	0	0	0	0	0	3,666.2

Base Forecast of SoCalGas Noncore Industrial Non-Refinery Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-25	250.7	670.383	7.386	1	0	0	0	0	0	0	0	0	0	0	3,880.2
Feb-25	214.8	674.633	7.181	0	1	0	0	0	0	0	0	0	0	0	3,592.6
Mar-25	163.6	674.841	6.662	0	0	1	0	0	0	0	0	0	0	0	3,965.0
Apr-25	101.1	668.385	6.083	0	0	0	1	0	0	0	0	0	0	0	3,989.6
May-25	46.4	676.382	5.957	0	0	0	0	1	0	0	0	0	0	0	4,090.4
Jun-25	9.5	684.289	5.995	0	0	0	0	0	1	0	0	0	0	0	3,955.2
Jul-25	2.0	677.762	6.269	0	0	0	0	0	0	1	0	0	0	0	4,344.4
Aug-25	1.7	679.155	6.393	0	0	0	0	0	0	0	1	0	0	0	4,704.2
Sep-25	4.4	679.091	6.323	0	0	0	0	0	0	0	0	1	0	0	4,392.7
Oct-25	29.9	674.668	6.183	0	0	0	0	0	0	0	0	0	1	0	4,063.8
Nov-25	121.6	674.399	6.356	0	0	0	0	0	0	0	0	0	0	1	3,736.2
Dec-25	278.2	674.051	6.963	0	0	0	0	0	0	0	0	0	0	0	3,638.9
Jan-26	249.5	662.324	7.153	1	0	0	0	0	0	0	0	0	0	0	3,853.1
Feb-26	213.8	666.507	6.968	0	1	0	0	0	0	0	0	0	0	0	3,565.1
Mar-26	162.8	666.717	6.650	0	0	1	0	0	0	0	0	0	0	0	3,934.2
Apr-26	100.7	661.968	6.094	0	0	0	1	0	0	0	0	0	0	0	3,964.9
May-26	46.2	669.755	6.035	0	0	0	0	1	0	0	0	0	0	0	4,064.0
Jun-26	9.5	677.549	6.046	0	0	0	0	0	1	0	0	0	0	0	3,928.8
Jul-26	2.0	672.590	6.190	0	0	0	0	0	0	1	0	0	0	0	4,326.2
Aug-26	1.7	673.993	6.307	0	0	0	0	0	0	0	1	0	0	0	4,686.2
Sep-26	4.4	673.945	6.224	0	0	0	0	0	0	0	0	1	0	0	4,374.9
Oct-26	29.7	671.355	6.082	0	0	0	0	0	0	0	0	0	1	0	4,052.9
Nov-26	121.0	671.071	6.383	0	0	0	0	0	0	0	0	0	0	1	3,722.9
Dec-26	276.8	670.696	6.813	0	0	0	0	0	0	0	0	0	0	0	3,628.2
Jan-27	248.3	660.221	7.009	1	0	0	0	0	0	0	0	0	0	0	3,847.1
Feb-27	212.7	664.385	6.845	0	1	0	0	0	0	0	0	0	0	0	3,558.7
Mar-27	162.0	664.607	6.587	0	0	1	0	0	0	0	0	0	0	0	3,926.9
Apr-27	100.2	660.904	6.032	0	0	0	1	0	0	0	0	0	0	0	3,961.8
May-27	46.0	668.544	5.990	0	0	0	0	1	0	0	0	0	0	0	4,060.0
Jun-27	9.4	676.301	5.995	0	0	0	0	0	1	0	0	0	0	0	3,925.0
Jul-27	2.0	671.998	6.127	0	0	0	0	0	0	1	0	0	0	0	4,325.0
Aug-27	1.7	673.406	6.231	0	0	0	0	0	0	0	1	0	0	0	4,685.2
Sep-27	4.4	673.360	6.145	0	0	0	0	0	0	0	0	1	0	0	4,374.0
Oct-27	29.6	670.269	5.996	0	0	0	0	0	0	0	0	0	1	0	4,050.2
Nov-27	120.4	669.976	6.276	0	0	0	0	0	0	0	0	0	0	1	3,720.3
Dec-27	275.5	669.590	6.696	0	0	0	0	0	0	0	0	0	0	0	3,625.4

Base Forecast of SoCalGas Noncore Industrial Non-Refinery Gas Demand (2022-2028)

Month	HDD	Employment	Price	Month_01	Month_02	Month_03	Month_04	Month_05	Month_06	Month_07	Month_08	Month_09	Month_10	Month_11	Forecast Mdth
Jan-28	247.0	657.843	6.902	1	0	0	0	0	0	0	0	0	0	0	3,839.4
Feb-28	211.6	661.986	6.767	0	1	0	0	0	0	0	0	0	0	0	3,550.5
Mar-28	161.2	662.210	6.532	0	0	1	0	0	0	0	0	0	0	0	3,918.5
Apr-28	99.7	657.660	6.001	0	0	0	1	0	0	0	0	0	0	0	3,949.8
May-28	45.7	665.196	5.951	0	0	0	0	1	0	0	0	0	0	0	4,047.9
Jun-28	9.4	672.908	5.954	0	0	0	0	0	1	0	0	0	0	0	3,912.8
Jul-28	2.0	667.981	6.087	0	0	0	0	0	0	1	0	0	0	0	4,310.5
Aug-28	1.7	669.410	6.192	0	0	0	0	0	0	0	1	0	0	0	4,670.8
Sep-28	4.3	669.380	6.111	0	0	0	0	0	0	0	0	1	0	0	4,359.5
Oct-28	29.4	666.274	5.948	0	0	0	0	0	0	0	0	0	1	0	4,035.8
Nov-28	119.8	665.967	6.218	0	0	0	0	0	0	0	0	0	0	1	3,705.9
Dec-28	274.1	665.575	6.583	0	0	0	0	0	0	0	0	0	0	0	3,611.6

SoCalGas Noncore Industrial Non-Refinery Annual Post-model Adjustment (2021-2028)

Year	Base Econometric Model Output (MDth)	Vernon Migration	EE Program (MDth)	Migration: core --> noncore	Final Average Year Forecast (MDth)	Adjustment %
2021	48,478.3	0.0	0.0	0.0	48,478.3	0.00%
2022	48,412.9	28.7	69.8	495.7	48,810.1	0.82%
2023	48,799.3	57.4	146.6	495.7	49,091.1	0.60%
2024	48,619.1	86.1	221.7	495.7	48,807.1	0.39%
2025	48,353.2	114.8	300.0	495.7	48,434.1	0.17%
2026	48,101.3	143.5	365.7	495.7	48,088.0	-0.03%
2027	48,059.5	172.2	434.5	495.7	47,948.7	-0.23%
2028	47,913.0	200.8	503.3	495.7	47,704.6	-0.43%

SoCalGas Noncore Industrial Non-Refinery Monthly Post-model Adjustment (2022-2028)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-22	3,937.7	0.82%	3,970.0
Feb-22	3,617.6	0.82%	3,647.3
Mar-22	3,958.1	0.82%	3,990.6
Apr-22	3,991.6	0.82%	4,024.4
May-22	4,086.1	0.82%	4,119.6
Jun-22	3,942.7	0.82%	3,975.0
Jul-22	4,316.7	0.82%	4,352.1
Aug-22	4,676.6	0.82%	4,715.0
Sep-22	4,373.4	0.82%	4,409.3
Oct-22	4,096.3	0.82%	4,129.9
Nov-22	3,759.2	0.82%	3,790.1
Dec-22	3,656.9	0.82%	3,686.9
Jan-23	3,914.9	0.60%	3,938.3
Feb-23	3,608.9	0.60%	3,630.5
Mar-23	3,990.9	0.60%	4,014.8
Apr-23	4,035.6	0.60%	4,059.7
May-23	4,137.2	0.60%	4,162.0
Jun-23	4,002.9	0.60%	4,026.8
Jul-23	4,383.9	0.60%	4,410.1
Aug-23	4,744.8	0.60%	4,773.2
Sep-23	4,440.2	0.60%	4,466.7
Oct-23	4,090.1	0.60%	4,114.5
Nov-23	3,772.8	0.60%	3,795.4
Dec-23	3,677.2	0.60%	3,699.2
Jan-24	3,893.2	0.39%	3,908.2
Feb-24	3,608.7	0.39%	3,622.7
Mar-24	3,980.3	0.39%	3,995.7
Apr-24	4,010.6	0.39%	4,026.1
May-24	4,111.4	0.39%	4,127.3
Jun-24	3,977.3	0.39%	3,992.7
Jul-24	4,365.5	0.39%	4,382.4
Aug-24	4,726.6	0.39%	4,744.8
Sep-24	4,416.4	0.39%	4,433.5
Oct-24	4,096.2	0.39%	4,112.0
Nov-24	3,766.8	0.39%	3,781.4
Dec-24	3,666.2	0.39%	3,680.4
Jan-25	3,880.2	0.17%	3,886.7
Feb-25	3,592.6	0.17%	3,598.7
Mar-25	3,965.0	0.17%	3,971.6
Apr-25	3,989.6	0.17%	3,996.3
May-25	4,090.4	0.17%	4,097.2
Jun-25	3,955.2	0.17%	3,961.8
Jul-25	4,344.4	0.17%	4,351.7
Aug-25	4,704.2	0.17%	4,712.1
Sep-25	4,392.7	0.17%	4,400.1
Oct-25	4,063.8	0.17%	4,070.6
Nov-25	3,736.2	0.17%	3,742.4
Dec-25	3,638.9	0.17%	3,645.0

SoCalGas Noncore Industrial Non-Refinery Monthly Post-model Adjustment (2022-2028)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-26	3,853.1	-0.03%	3,852.1
Feb-26	3,565.1	-0.03%	3,564.1
Mar-26	3,934.2	-0.03%	3,933.1
Apr-26	3,964.9	-0.03%	3,963.8
May-26	4,064.0	-0.03%	4,062.8
Jun-26	3,928.8	-0.03%	3,927.8
Jul-26	4,326.2	-0.03%	4,325.0
Aug-26	4,686.2	-0.03%	4,684.9
Sep-26	4,374.9	-0.03%	4,373.7
Oct-26	4,052.9	-0.03%	4,051.8
Nov-26	3,722.9	-0.03%	3,721.8
Dec-26	3,628.2	-0.03%	3,627.2
Jan-27	3,847.1	-0.23%	3,838.2
Feb-27	3,558.7	-0.23%	3,550.5
Mar-27	3,926.9	-0.23%	3,917.9
Apr-27	3,961.8	-0.23%	3,952.6
May-27	4,060.0	-0.23%	4,050.7
Jun-27	3,925.0	-0.23%	3,915.9
Jul-27	4,325.0	-0.23%	4,315.0
Aug-27	4,685.2	-0.23%	4,674.4
Sep-27	4,374.0	-0.23%	4,363.9
Oct-27	4,050.2	-0.23%	4,040.8
Nov-27	3,720.3	-0.23%	3,711.7
Dec-27	3,625.4	-0.23%	3,617.0
Jan-28	3,839.4	-0.43%	3,822.7
Feb-28	3,550.5	-0.43%	3,535.0
Mar-28	3,918.5	-0.43%	3,901.4
Apr-28	3,949.8	-0.43%	3,932.6
May-28	4,047.9	-0.43%	4,030.3
Jun-28	3,912.8	-0.43%	3,895.8
Jul-28	4,310.5	-0.43%	4,291.7
Aug-28	4,670.8	-0.43%	4,650.5
Sep-28	4,359.5	-0.43%	4,340.6
Oct-28	4,035.8	-0.43%	4,018.3
Nov-28	3,705.9	-0.43%	3,689.7
Dec-28	3,611.6	-0.43%	3,595.9

SOCALGAS NONCORE REFINERY

NON-COGENERATION AND COGENERATION

GAS DEMAND FORECAST

SoCalGas Refinery Non-Cogeneration and Cogeneration Gas Demand

INTRODUCTION

Gas demand for refineries is developed from a base econometric forecast for both non-cogeneration (rate class G-30) load and cogeneration (rate class G-50) load. The separation into G-30 and G-50 categories is based on the historical 2021 average monthly proportions of each rate class.

For the non-cogeneration load component, there is an "out-of-model" adjustment to reflect expected implementation of mandated Energy Efficiency for this customer segment.

BASE FORECAST EQUATION

The base econometric forecast is generated from an equation that uses the natural logarithm of average daily monthly refinery gas consumption as the dependent variable. The key explanatory variable is the natural logarithm of the monthly ratio of burner-tip natural gas rates (e.g., transportation rate + commodity price) relative to the propane prices. The second component of the forecast equation is a constant term.

The base forecast equation is shown below:

LN(Ref_MDth/d) = 5.7598439+ (-0.0435752) x LN(G/P)

where

G = Gas burner-tip price, and
P = Propane price.

The parameters of this equation were estimated from monthly data for Jan-2010 through Dec-2021.

EXAMPLE OF FORECAST CALCULATIONS

The refinery gas demand in a particular month is calculated as:

Ref_MDth/mo = (#days in month) x EXP[LN(Ref_MDth/d)].

For example, the calculation of total refinery gas demand for August 2024 is as follows:

LN[Ref_MDth/d] = 5.7598439 + (-0.0435752) x LN(5.49350 / 12.27700)
LN[Ref_MDth/d] = 5.7948854

Ref_MDth = (31 days) x (EXP[5.7948854])
= (31 days) x (328.61452 MDth/d)
= (10,187.1 MDth)

This total refinery gas demand was "split" between G-30 and G-50 load using the 2021 monthly proportions that the G-30 load represented relative to the total refinery load. The table below provides these proportions.

Month	2021 G-30 % of total Refinery
Jan	83.969%
Feb	79.660%
Mar	79.009%
Apr	78.973%
May	76.545%
Jun	78.816%
Jul	78.048%
Aug	79.134%
Sep	78.899%
Oct	81.714%
Nov	81.193%
Dec	82.512%

Based on the August 2024 example above, the total refinery gas demand is split into G-30 and G-50 values:

Ref_G-30 = (8,061.5 MDth) = (10,187.1 MDth) x (79.134%), and
Ref_G-50 = (2,125.6 MDth) = (10,187.1 MDth) x (20.866%)

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The table below shows the entire base refinery gas demand forecast and the split into G-30 and G-50 rate class component loads.

Base Forecast of Refinery Gas Demand (2021-2028)

Month	Ref G30 %	#Days per month	Month #	Total Ref Mdth	Total Ref Mdth/Day	Ln(Mdth_D)	ln(G/P)	Burner_tip_Gas (G) $/dth	Propane (P) $/dth
Jan-21	83.97%	31	1	10,665.1	344.0	5.8407	-0.7184	4.9214	10.0949
Feb-21	79.66%	28	2	8,252.0	294.7	5.6860	-0.8974	4.6061	11.2993
Mar-21	79.01%	31	3	10,887.2	351.2	5.8614	-0.8497	4.6108	10.7847
Apr-21	78.97%	30	4	9,895.2	329.8	5.7986	-0.8251	4.0731	9.2956
May-21	76.55%	31	5	9,469.0	305.5	5.7218	-0.6963	4.4966	9.0219
Jun-21	78.82%	30	6	9,722.6	324.1	5.7810	-0.7594	4.8672	10.4015
Jul-21	78.05%	31	7	8,978.2	289.6	5.6686	-0.8298	5.1333	11.7701
Aug-21	79.13%	31	8	10,091.5	325.5	5.7855	-0.8178	5.3647	12.1533
Sep-21	78.90%	30	9	9,668.9	322.3	5.7755	-0.9622	5.3540	14.0146
Oct-21	81.71%	31	10	10,446.2	337.0	5.8200	-0.8830	6.6103	15.9854
Nov-21	81.19%	30	11	9,830.8	327.7	5.7921	-0.7000	7.2261	14.5511
Dec-21	82.51%	31	12	10,530.6	339.7	5.8281	-0.5271	7.3680	12.4818
Jan-22	83.97%	31	1	10,116.6	326.3	5.7879	-0.6448	6.3534	12.1071
Feb-22	79.66%	28	2	9,195.9	328.4	5.7943	-0.7909	5.7978	12.7865
Mar-22	79.01%	31	3	10,111.0	326.2	5.7874	-0.6323	6.0679	11.4194
Apr-22	78.97%	30	4	9,798.7	326.6	5.7888	-0.6647	5.1669	10.0442
May-22	76.55%	31	5	10,149.5	327.4	5.7912	-0.7193	5.0956	10.4617
Jun-22	78.82%	30	6	9,844.2	328.1	5.7934	-0.7709	5.5438	11.9843
Jul-22	78.05%	31	7	10,119.8	326.4	5.7883	-0.6521	6.7462	12.9502
Aug-22	79.13%	31	8	10,128.6	326.7	5.7891	-0.6721	6.8802	13.4741
Sep-22	78.90%	30	9	9,879.2	329.3	5.7970	-0.8525	6.2683	14.7020
Oct-22	81.71%	31	10	10,334.2	333.4	5.8092	-1.1333	5.4217	16.8386
Nov-22	81.19%	30	11	9,917.9	330.6	5.8009	-0.9423	6.2501	16.0363
Dec-22	82.51%	31	12	10,156.0	327.6	5.7918	-0.7341	7.3270	15.2669
Jan-23	83.97%	31	1	10,098.9	325.8	5.7862	-0.6048	5.9099	10.8204
Feb-23	79.66%	28	2	9,083.8	324.4	5.7820	-0.5095	6.8655	11.4276
Mar-23	79.01%	31	3	10,089.5	325.5	5.7853	-0.5835	5.6945	10.2059
Apr-23	78.97%	30	4	9,824.8	327.5	5.7915	-0.7257	4.3448	8.9768
May-23	76.55%	31	5	10,184.4	328.5	5.7946	-0.7982	4.2087	9.3499
Jun-23	78.82%	30	6	9,907.4	330.2	5.7998	-0.9179	4.2774	10.7107
Jul-23	78.05%	31	7	10,165.7	327.9	5.7928	-0.7560	5.4344	11.5740
Aug-23	79.13%	31	8	10,175.4	328.2	5.7937	-0.7779	5.5316	12.0422
Sep-23	78.90%	30	9	9,927.6	330.9	5.8019	-0.9647	5.0074	13.1396
Oct-23	81.71%	31	10	10,214.8	329.5	5.7976	-0.8667	6.3259	15.0491
Nov-23	81.19%	30	11	9,895.0	329.8	5.7986	-0.8891	5.8909	14.3321
Dec-23	82.51%	31	12	10,157.1	327.6	5.7919	-0.7367	6.5317	13.6444
Jan-24	83.97%	31	1	10,063.4	324.6	5.7827	-0.5239	6.5328	11.0314
Feb-24	79.66%	29	2	9,464.4	326.4	5.7880	-0.6460	6.1065	11.6505
Mar-24	79.01%	31	3	10,105.7	326.0	5.7869	-0.6201	5.5969	10.4049
Apr-24	78.97%	30	4	9,790.0	326.3	5.7879	-0.6442	4.8055	9.1518
May-24	76.55%	31	5	10,143.9	327.2	5.7906	-0.7068	4.7014	9.5322
Jun-24	78.82%	30	6	9,872.7	329.1	5.7963	-0.8374	4.7265	10.9195
Jul-24	78.05%	31	7	10,175.9	328.3	5.7938	-0.7790	5.4143	11.7996
Aug-24	79.13%	31	8	10,187.1	328.6	5.7949	-0.8042	5.4935	12.2770
Sep-24	78.90%	30	9	9,909.1	330.3	5.8000	-0.9219	5.3285	13.3958
Oct-24	81.71%	31	10	10,353.9	334.0	5.8111	-1.1769	4.7289	15.3425
Nov-24	81.19%	30	11	9,969.3	332.3	5.8061	-1.0607	5.0585	14.6116
Dec-24	82.51%	31	12	10,202.9	329.1	5.7964	-0.8399	6.0058	13.9105
Jan-25	83.97%	31	1	10,106.8	326.0	5.7870	-0.6226	5.9850	11.1545
Feb-25	79.66%	28	2	9,166.8	327.4	5.7911	-0.7183	5.7440	11.7804
Mar-25	79.01%	31	3	10,144.8	327.3	5.7907	-0.7087	5.1791	10.5210
Apr-25	78.97%	30	4	9,818.2	327.3	5.7908	-0.7103	4.5483	9.2539
May-25	76.55%	31	5	10,177.7	328.3	5.7940	-0.7832	4.4043	9.6385
Jun-25	78.82%	30	6	9,901.2	330.0	5.7992	-0.9035	4.4733	11.0413
Jul-25	78.05%	31	7	10,235.8	330.2	5.7997	-0.9137	4.7850	11.9313
Aug-25	79.13%	31	8	10,238.9	330.3	5.8000	-0.9207	4.9438	12.4140
Sep-25	78.90%	30	9	9,952.3	331.7	5.8044	-1.0216	4.8765	13.5453
Oct-25	81.71%	31	10	10,356.8	334.1	5.8114	-1.1834	4.7507	15.5137
Nov-25	81.19%	30	11	9,983.1	332.8	5.8075	-1.0926	4.9546	14.7746
Dec-25	82.51%	31	12	10,234.3	330.1	5.7995	-0.9103	5.6600	14.0656

Base Forecast of Refinery Gas Demand (2021-2028)

Month	Ref G30 %	#Days per month	Month #	Total Ref Mdth	Total Ref Mdth/Day	Ln(Mdth_D)	ln(G/P)	Burner_tip_Gas (G) $/dth	Propane (P) $/dth
Jan-26	83.97%	31	1	10,130.2	326.8	5.7893	-0.6757	5.8698	11.5369
Feb-26	79.66%	28	2	9,187.1	328.1	5.7933	-0.7689	5.6477	12.1843
Mar-26	79.01%	31	3	10,149.6	327.4	5.7912	-0.7197	5.2985	10.8817
Apr-26	78.97%	30	4	9,820.3	327.3	5.7910	-0.7152	4.6812	9.5712
May-26	76.55%	31	5	10,172.4	328.1	5.7934	-0.7712	4.6104	9.9690
Jun-26	78.82%	30	6	9,898.9	330.0	5.7990	-0.8982	4.6512	11.4199
Jul-26	78.05%	31	7	10,247.3	330.6	5.8008	-0.9394	4.8232	12.3404
Aug-26	79.13%	31	8	10,250.9	330.7	5.8011	-0.9476	4.9773	12.8396
Sep-26	78.90%	30	9	9,965.4	332.2	5.8057	-1.0518	4.8937	14.0097
Oct-26	81.71%	31	10	10,370.9	334.5	5.8128	-1.2147	4.7621	16.0456
Nov-26	81.19%	30	11	9,983.6	332.8	5.8075	-1.0937	5.1187	15.2811
Dec-26	82.51%	31	12	10,251.1	330.7	5.8012	-0.9480	5.6373	14.5479
Jan-27	83.97%	31	1	10,155.0	327.6	5.7917	-0.7319	5.8610	12.1850
Feb-27	79.66%	28	2	9,208.2	328.9	5.7956	-0.8217	5.6582	12.8688
Mar-27	79.01%	31	3	10,168.0	328.0	5.7930	-0.7611	5.3688	11.4929
Apr-27	78.97%	30	4	9,838.5	327.9	5.7929	-0.7577	4.7386	10.1089
May-27	76.55%	31	5	10,189.3	328.7	5.7951	-0.8093	4.6874	10.5290
Jun-27	78.82%	30	6	9,916.0	330.5	5.8007	-0.9379	4.7215	12.0614
Jul-27	78.05%	31	7	10,266.1	331.2	5.8026	-0.9815	4.8844	13.0336
Aug-27	79.13%	31	8	10,271.0	331.3	5.8031	-0.9924	5.0267	13.5609
Sep-27	78.90%	30	9	9,985.1	332.8	5.8077	-1.0972	4.9391	14.7967
Oct-27	81.71%	31	10	10,392.5	335.2	5.8148	-1.2623	4.7959	16.9470
Nov-27	81.19%	30	11	10,005.9	333.5	5.8097	-1.1449	5.1364	16.1396
Dec-27	82.51%	31	12	10,274.1	331.4	5.8034	-0.9995	5.6552	15.3651
Jan-28	83.97%	31	1	10,181.8	328.4	5.7944	-0.7923	5.8932	13.0152
Feb-28	79.66%	29	2	9,560.0	329.7	5.7980	-0.8767	5.7203	13.7456
Mar-28	79.01%	31	3	10,190.3	328.7	5.7952	-0.8114	5.4536	12.2760
Apr-28	78.97%	30	4	9,857.9	328.6	5.7948	-0.8029	4.8377	10.7976
May-28	76.55%	31	5	10,210.3	329.4	5.7972	-0.8565	4.7756	11.2464
Jun-28	78.82%	30	6	9,936.7	331.2	5.8028	-0.9856	4.8082	12.8832
Jul-28	78.05%	31	7	10,287.2	331.8	5.8047	-1.0287	4.9764	13.9216
Aug-28	79.13%	31	8	10,291.9	332.0	5.8051	-1.0392	5.1236	14.4848
Sep-28	78.90%	30	9	10,005.1	333.5	5.8097	-1.1430	5.0393	15.8048
Oct-28	81.71%	31	10	10,414.8	336.0	5.8170	-1.3115	4.8767	18.1016
Nov-28	81.19%	30	11	10,028.2	334.3	5.8120	-1.1960	5.2134	17.2392
Dec-28	82.51%	31	12	10,302.0	332.3	5.8061	-1.0616	5.6768	16.4120

ADJUSTMENTS TO THE BASE FORECAST

A. Energy Efficiency/DSM Program Savings

Adjustments for energy efficiency/DSM (EE/DSM) programs for refinery customers are applied to the G-30 load portion of the refinery gas demand. The cogeneration (G-50) load is exempt from participating in these programs. The values applied to the refinery G-30 load have been noted in the earlier discussion of the overall G-30 load forecast.

B. Refinery Industrial G-30 Gas Demand

The noncore industrial refinery gas demand receives G-30 rate treatment. It is basically the non-cogeneration gas load at refinery facilities served by SoCalGas. The details of how the gas demand forecast for total gas demand at refineries is provided above as the Base forecast of refinery gas demand. In this part of the noncore C&I only the refinery load billed at G-30 rates is discussed.

Continuing with the August 2024 month as an example and using the data from the following two tables, the G-30 industrial refinery demand was projected to be:

G-30 Refinery Gas Demand, Aug-2024 = (8,061.5) - (6.0) = (8,055.5 MDth).

The reduction of 6.0 MDth is the accumulated EE/DSM program impact for refineries.

C. Refinery Cogeneration Gas Demand

Gas used for cogeneration at refineries receives G-50 rate treatment does not have out-of-model adjustment. The G-50 gas demand forecast for cogeneration for August 2024 is:

G-50 Refinery Gas Demand, Aug-2024 = (2,125.6 MDth).

Cogeneration (G-50) refinery gas demand is billed according to the two-tiered EG rate structure. The projected refinery cogeneration gas demand by tier assigns 98.727% of the base refinery cogeneration to tier 2. The cogeneration gas demand to tier 1 is 1.273% of the base refinery cogeneration demand. These ratios are calculated based on 2021 historical data.

Using August 2024 as an example:

Tier 1: = (2,125.6 MDth) x (1.273%) = 27.1 MDth

Tier 2: = (2,125.6 MDth) x (98.727%) = 2,098.5 MDth

REFINERY GAS DEMAND FORECASTS

A. Annual Forecast Table

The first table below provides annual gas demand for the refinery segment. Recorded data are for year 2021, while forecasts cover years 2022-2028.

B. Monthly Forecast Tables

The second table below provide monthly gas demand for the refinery segment. Recorded data are for year 2021, while forecasts cover years 2022-2028.

Annual Refinery Gas Demand: Recorded (2021)

Forecast (2022-2028) (MDth)

		Refinery Industrial (G-30) Gas Demand			Refinery Cogeneration (G-50) Gas Demand			
Year	Total Refinery (G30 + G50) (MDth)	Ref **G30**, Base Econ. Fcst	Accum. EE/DSM Scg Pgm Savings for **Refinery G-30**	Base Ref **G30,** *less* EE/DSM (MDth)	Cal. Days per Year	Ref **G50**, Base Econ. Fcst	Out-of-model Adj. for **Refinery G-50**	Base Ref **G50** *plus* Out-of-model Adj (MDth)
2021	**118,437**	94,685	0	94,685	365	23,752	0	23,752
2022	**119,729**	95,660	22	95,638	365	24,092	0	24,092
2023	**119,678**	95,632	47	95,585	365	24,093	0	24,093
2024	**120,167**	96,046	71	95,976	366	24,192	0	24,192
2025	**120,221**	96,109	96	96,013	365	24,208	0	24,208
2026	**120,311**	96,199	117	96,082	365	24,229	0	24,229
2027	**120,531**	96,393	139	96,254	365	24,277	0	24,277
2028	**121,106**	96,869	160	96,708	366	24,397	0	24,397

Monthly Refinery Gas Demand: Recorded (2021)

Forecast (2022-2028) (MDth)

		Refinery Industrial (G-30) Gas Demand			Refinery Cogeneration (G-50) Gas Demand			
Month	Total Refinery (G30 + G50) (MDth)	Ref **G30**, Base Econ. Fcst	Accum. EE/DSM Scg Pgm Savings for **Refinery G-30**	Cal. Days per Year	Cal. Days per Month	Ref **G50**, Base Econ. Fcst	Out-of-model Adj. for **Refinery G-50**	Base Ref **G50** *plus* Out-of-model Adj (MDth)
Jan-21	**10,665**	8,955	0	8,955	31	1,710	0	1,710
Feb-21	**8,252**	6,574	0	6,574	28	1,678	0	1,678
Mar-21	**10,887**	8,602	0	8,602	31	2,285	0	2,285
Apr-21	**9,895**	7,814	0	7,814	30	2,081	0	2,081
May-21	**9,469**	7,248	0	7,248	31	2,221	0	2,221
Jun-21	**9,723**	7,663	0	7,663	30	2,060	0	2,060
Jul-21	**8,978**	7,007	0	7,007	31	1,971	0	1,971
Aug-21	**10,091**	7,986	0	7,986	31	2,106	0	2,106
Sep-21	**9,669**	7,629	0	7,629	30	2,040	0	2,040
Oct-21	**10,446**	8,536	0	8,536	31	1,910	0	1,910
Nov-21	**9,831**	7,982	0	7,982	30	1,849	0	1,849
Dec-21	**10,531**	8,689	0	8,689	31	1,842	0	1,842
Jan-22	**10,115**	8,495	2	8,493	31	1,622	0	1,622
Feb-22	**9,194**	7,325	2	7,324	28	1,870	0	1,870
Mar-22	**10,109**	7,989	2	7,987	31	2,122	0	2,122
Apr-22	**9,797**	7,738	2	7,736	30	2,060	0	2,060
May-22	**10,148**	7,769	2	7,767	31	2,381	0	2,381
Jun-22	**9,842**	7,759	2	7,757	30	2,085	0	2,085
Jul-22	**10,118**	7,898	2	7,896	31	2,222	0	2,222
Aug-22	**10,127**	8,015	2	8,013	31	2,113	0	2,113
Sep-22	**9,877**	7,795	2	7,793	30	2,085	0	2,085
Oct-22	**10,332**	8,444	2	8,443	31	1,890	0	1,890
Nov-22	**9,916**	8,053	2	8,051	30	1,865	0	1,865
Dec-22	**10,154**	8,380	2	8,378	31	1,776	0	1,776
Jan-23	**10,095**	8,480	4	8,476	31	1,619	0	1,619
Feb-23	**9,080**	7,236	4	7,233	28	1,848	0	1,848
Mar-23	**10,086**	7,972	4	7,968	31	2,118	0	2,118
Apr-23	**9,821**	7,759	4	7,755	30	2,066	0	2,066
May-23	**10,180**	7,796	4	7,792	31	2,389	0	2,389
Jun-23	**9,904**	7,809	4	7,805	30	2,099	0	2,099
Jul-23	**10,162**	7,934	4	7,930	31	2,232	0	2,232
Aug-23	**10,171**	8,052	4	8,048	31	2,123	0	2,123
Sep-23	**9,924**	7,833	4	7,829	30	2,095	0	2,095
Oct-23	**10,211**	8,347	4	8,343	31	1,868	0	1,868
Nov-23	**9,891**	8,034	4	8,030	30	1,861	0	1,861
Dec-23	**10,153**	8,381	4	8,377	31	1,776	0	1,776
Jan-24	**10,057**	8,450	6	8,444	31	1,613	0	1,613
Feb-24	**9,459**	7,539	6	7,534	29	1,925	0	1,925
Mar-24	**10,100**	7,984	6	7,978	31	2,121	0	2,121
Apr-24	**9,784**	7,731	6	7,726	30	2,059	0	2,059
May-24	**10,138**	7,765	6	7,759	31	2,379	0	2,379
Jun-24	**9,867**	7,781	6	7,775	30	2,091	0	2,091
Jul-24	**10,170**	7,942	6	7,936	31	2,234	0	2,234
Aug-24	**10,181**	8,061	6	8,055	31	2,126	0	2,126
Sep-24	**9,903**	7,818	6	7,812	30	2,091	0	2,091
Oct-24	**10,348**	8,461	6	8,455	31	1,893	0	1,893
Nov-24	**9,963**	8,094	6	8,089	30	1,875	0	1,875
Dec-24	**10,197**	8,419	6	8,413	31	1,784	0	1,784
Jan-25	**10,099**	8,487	8	8,478	31	1,620	0	1,620
Feb-25	**9,159**	7,302	7	7,295	28	1,865	0	1,865
Mar-25	**10,137**	8,015	8	8,007	31	2,130	0	2,130
Apr-25	**9,810**	7,754	8	7,746	30	2,064	0	2,064
May-25	**10,170**	7,791	8	7,782	31	2,387	0	2,387
Jun-25	**9,893**	7,804	8	7,796	30	2,097	0	2,097
Jul-25	**10,228**	7,989	8	7,981	31	2,247	0	2,247
Aug-25	**10,231**	8,102	8	8,094	31	2,136	0	2,136
Sep-25	**9,944**	7,852	8	7,844	30	2,100	0	2,100
Oct-25	**10,349**	8,463	8	8,455	31	1,894	0	1,894
Nov-25	**9,975**	8,106	8	8,098	30	1,877	0	1,877
Dec-25	**10,226**	8,445	8	8,436	31	1,790	0	1,790

Monthly Refinery Gas Demand: Recorded (2021)

Forecast (2022-2028) (MDth)

		Refinery Industrial (G-30) Gas Demand			Refinery Cogeneration (G-50) Gas Demand			
Month	Total Refinery (G30 + G50) (MDth)	Ref **G30**, Base Econ. Fcst	Accum. EE/DSM Scg Pgm Savings for **Refinery G-30**	Cal. Days per Year	Cal. Days per Month	Ref **G50**, Base Econ. Fcst	Out-of-model Adj. for **Refinery G-50**	Base Ref **G50** *plus* Out-of-model Adj (MDth)
Jan-26	**10,120**	8,506	10	8,496	31	1,624	0	1,624
Feb-26	**9,178**	7,318	9	7,309	28	1,869	0	1,869
Mar-26	**10,140**	8,019	10	8,009	31	2,131	0	2,131
Apr-26	**9,811**	7,755	10	7,746	30	2,065	0	2,065
May-26	**10,163**	7,786	10	7,777	31	2,386	0	2,386
Jun-26	**9,889**	7,802	10	7,792	30	2,097	0	2,097
Jul-26	**10,237**	7,998	10	7,988	31	2,250	0	2,250
Aug-26	**10,241**	8,112	10	8,102	31	2,139	0	2,139
Sep-26	**9,956**	7,863	10	7,853	30	2,103	0	2,103
Oct-26	**10,361**	8,475	10	8,465	31	1,896	0	1,896
Nov-26	**9,974**	8,106	10	8,096	30	1,878	0	1,878
Dec-26	**10,241**	8,458	10	8,449	31	1,793	0	1,793
Jan-27	**10,143**	8,527	12	8,515	31	1,628	0	1,628
Feb-27	**9,198**	7,335	11	7,325	28	1,873	0	1,873
Mar-27	**10,156**	8,034	12	8,022	31	2,134	0	2,134
Apr-27	**9,827**	7,770	11	7,758	30	2,069	0	2,069
May-27	**10,178**	7,799	12	7,788	31	2,390	0	2,390
Jun-27	**9,905**	7,815	11	7,804	30	2,101	0	2,101
Jul-27	**10,254**	8,012	12	8,001	31	2,254	0	2,254
Aug-27	**10,259**	8,128	12	8,116	31	2,143	0	2,143
Sep-27	**9,974**	7,878	11	7,867	30	2,107	0	2,107
Oct-27	**10,381**	8,492	12	8,480	31	1,900	0	1,900
Nov-27	**9,995**	8,124	11	8,113	30	1,882	0	1,882
Dec-27	**10,262**	8,477	12	8,466	31	1,797	0	1,797
Jan-28	**10,168**	8,550	14	8,536	31	1,632	0	1,632
Feb-28	**9,547**	7,615	13	7,603	29	1,945	0	1,945
Mar-28	**10,177**	8,051	14	8,038	31	2,139	0	2,139
Apr-28	**9,845**	7,785	13	7,772	30	2,073	0	2,073
May-28	**10,197**	7,816	14	7,802	31	2,395	0	2,395
Jun-28	**9,924**	7,832	13	7,819	30	2,105	0	2,105
Jul-28	**10,274**	8,029	14	8,015	31	2,258	0	2,258
Aug-28	**10,278**	8,144	14	8,131	31	2,147	0	2,147
Sep-28	**9,992**	7,894	13	7,881	30	2,111	0	2,111
Oct-28	**10,401**	8,510	14	8,497	31	1,904	0	1,904
Nov-28	**10,015**	8,142	13	8,129	30	1,886	0	1,886
Dec-28	**10,288**	8,500	14	8,487	31	1,802	0	1,802

SoCalGas Consolidated G-30 Noncore C&I Gas Demand Forecast

A. "Out-of-Model" Gas Demand Forecasts

This final category of gas demand for the G-30 load is associated with customers who are included in the large cogeneration, EWG or UEG market segments but who have gas consumption not used to generate electricity. This gas consumption is charged under G30 rates rather than the electric generation rate that applies for most of their G50 consumption.

The following table shows the monthly load for year 2021. These values were used as the profile for these customers for each year of 2022 through 2028.

Month	Mdth
Jan-21	153.3
Feb-21	136.3
Mar-21	164.9
Apr-21	128.9
May-21	91.4
Jun-21	149.8
Jul-21	71.4
Aug-21	90.3
Sep-21	180.9
Oct-21	122.5
Nov-21	145.0
Dec-21	292.7

For example, the projected G-30 "out-of-model" gas demand for August 2024 would simply be: 90.3 MDth.

B. Combined G-30 Noncore Commercial and Industrial Gas Demand Forecast

A final adjustment to the noncore C&I G30 load forecast was done to account for "Rule-38" gas load. According to SoCalGas Rule No. 38: "Pursuant to Decision 18-05-006, effective May 10, 2018, this Schedule is closed to new contracts." A small "Rule-38" amount here is projected forward using Rule-38 existing G-30 C&I customers' load.

Using the August 2024 data example, the resulting total noncore C&I G30 forecast of demand would be:

= Noncore Commercial + Noncore Industrial (Non-Refinery) +
+ Noncore Industrial (Refinery) + Out-of-Model – Rule 38
= 1,274.4 + 4,744.8 + 8,055.5 + 90.3 – 2.6
= 14,162.4 MDth

This value checks with the value (141,624 MTh) shown in the SoCalGas consolidated gas demand forecast work papers for August 2024.

SOCALGAS

SMALL COGENERATION / SELF-GENERATION

(CAPACITY < 20 MW)

GAS DEMAND FORECAST

Small Cogeneration / Self-Generation (Capacity < 20 Mw)
Gas Demand

INTRODUCTION

The gas demand forecast for small cogeneration / self-generation (capacity < 20 Mw) is based on an econometric relationship from analysis of annual historical data together with a monthly profile of how the annual consumption is split over the months of a year. In addition to the econometric projection, there is a contribution of gas demand expected from the Self Generation Incentive Program (SGIP) attributed to noncore gas customers who are expected to participate.

Although these customers are associated with G-50 transportation rates their gas demand in total is split into two tiers based on a customer's annual consumption (tier 1 for $\leq$ 3,000,000 Thm/yr; and tier 2 for > 3,000,000 Thm/yr). As electric generation customers their consumption is billed at the EG rate structure.

BASE EQUATION TO FORECAST ANNUAL DEMAND

The base forecast equation for annual demand is shown below:

LN(SmCoGen_MDth/yr) = 8.1913656+ LN(#Cust) x (0.3428311)
+ LN(G/E) x (-0.0794262), where

#Cust = Number of active meters/customers,
G =SCG's "EG tier1" Burner-Tip Price converted to ¢/Kwh
at 10,000 Btu/Kwh, and
E = SCE-Retail Ind Elec. Price. ¢/Kwh

The small cogeneration gas demand in a particular year is calculated as:

SmCoGen_MDth/yr = EXP[LN(SmCoGen_MDth/yr)].

For example, the calculation of small cogeneration gas demand for 2024 is as follows:

LN[SmCoGen_MDth/yr] = 8.1913656+LN(320)* 0.3428311
+ LN[(7.319161 ¢/Kwh)/(16.661679 ¢/Kwh)] x (-0.0794262)

LN[SmCoGen_MDth/yr] = 10.234263

(EXP[10.24835]) = 27,840.9 MDth/yr

The table below shows the base annual small cogeneration gas demand forecast.

Base Annual Forecast of Small Cogeneration Gas Demand

Year	Annual Load (Mdth)	Cust cnt	LN(Ann. Mdth/Yr)	LN(Cust cnt)	LN (G/E)	Gas/Elec. (G/E) Price Ratio	SCE-Retail Ind Elec. Price	SCG's "EG tier1" Burner-Tip Price cnv. to ¢/Kwh
2021	26,174.4	320	10.173	5.768	-0.741	0.48	14.31	6.82
2022	27,542.6	320	10.223	5.768	-0.687	0.50	15.89	7.99
2023	27,763.5	320	10.231	5.768	-0.788	0.45	16.32	7.43
2024	27,840.9	320	10.234	5.768	-0.823	0.44	16.66	7.32
2025	28,043.8	320	10.242	5.768	-0.914	0.40	17.44	6.99
2026	28,109.3	320	10.244	5.768	-0.943	0.39	18.17	7.07
2027	28,137.6	320	10.245	5.768	-0.956	0.38	18.59	7.14
2028	28,210.5	320	10.247	5.768	-0.989	0.37	19.49	7.25

NONCORE SELF-GENERATION INCENTIVE PROGRAM (G-50, SGIP LOAD)

The table below shows the annual demand forecasted by accumulated program years for noncore SGIP:

Noncore SGIP Annual Forecast of Gas Demand

Year	G50 SGIP (Mdth)
2021	0.0
2022	5.6
2023	11.2
2024	16.8
2025	22.4
2026	28.0
2027	33.6
2028	39.2

TOTAL ANNUAL DEMAND FOR SMALL COGENERATION

The table below shows the total (econometric + noncore SGIP G50) combined gas demand for small cogeneration gas demand:

Year	Econometric Model Fcst (Mdth)	SGIP (G50) Fcst (Mdth)	Final Sm. CoGen (Mdth)
2021	26,174.4	0.0	26,174.4
2022	27,542.6	5.6	27,548.2
2023	27,763.5	11.2	27,774.7
2024	27,840.9	16.8	27,857.7
2025	28,043.8	22.4	28,066.2
2026	28,109.3	28.0	28,137.3
2027	28,137.6	33.6	28,171.2
2028	28,210.5	39.2	28,249.7

MONTHLY PATTERN FOR TOTAL SMALL COGEN LOAD

This total annual small cogeneration gas demand was “allocated” into monthly load using the monthly proportions in the table below.

Month #	Month	Smoothed Monthly Load as % of Annual (2019-2021)
1	Jan	8.566%
2	Feb	7.216%
3	Mar	8.152%
4	Apr	7.936%
5	May	8.506%
6	Jun	8.407%
7	Jul	8.791%
8	Aug	8.996%
9	Sep	8.416%
10	Oct	8.230%
11	Nov	8.287%
12	Dec	8.496%
	Total	**100.000%**

FORECAST RESULTS

Based on the year 2024 example above together with the monthly percentages of annual total load in the table above, the August 2024 small cogeneration (G-50) gas demand is calculated as:

SmCoGen_G-50 = (27,840.9 MDth/yr, base forecast + 16.8 MDth/yr, from G-50 SGIP)
X (8.996%, monthly % of annual)
= 2,506 MDth

Small cogeneration (G-50) gas demand is billed according to the two-tiered EG rate structure. The projected gas demand by tier assigns 60.399% of the total cogeneration demand to tier 2; the remaining 39.601% is assigned to tier 1. These ratios are calculated based on 2021 historical data.

Using August 2024 as an example:

Tier 2: (1,513.6 MDth) = (2,506 MDth) x (60.399%)

Tier 1: (992.4 MDth) = (2,506 MDth) x (39.601%)

The tables below provide the small cogeneration annual and monthly gas demand forecasts. Recorded data are for year 2021, while forecasts cover years from 2022 through 2028.

Annual Small Cogeneration / Self-Generation Gas Demand:
Recorded (2021) and
Forecast (2022-2028) (MDth)

Year	Small Cogen (C&I) (G-50) Gas Demand (MDth)
2021	26,174
2022	27,548
2023	27,775
2024	27,858
2025	28,066
2026	28,137
2027	28,171
2028	28,250

Monthly Small Cogeneration / Self-Generation Gas Demand: Recorded (2021) and Forecast (2022-2028) (MDth)

Year	Month	Small Cogen (C&I) (G-50) Gas Demand (MDth)	Small CoGen - Tier 1 (Mdth)	Small CoGen - Tier 2 (Mdth)
2021	Jan-21	2,242.1	887.9	1,354.2
2021	Feb-21	1,888.9	748.0	1,140.8
2021	Mar-21	2,133.9	845.0	1,288.8
2021	Apr-21	2,077.3	822.6	1,254.7
2021	May-21	2,226.4	881.7	1,344.7
2021	Jun-21	2,200.5	871.4	1,329.1
2021	Jul-21	2,300.9	911.2	1,389.7
2021	Aug-21	2,354.5	932.4	1,422.1
2021	Sep-21	2,202.8	872.3	1,330.4
2021	Oct-21	2,154.2	853.1	1,301.1
2021	Nov-21	2,169.0	858.9	1,310.0
2021	Dec-21	2,223.9	880.7	1,343.2
2022	Jan-22	2,359.8	934.5	1,425.3
2022	Feb-22	1,988.0	787.3	1,200.7
2022	Mar-22	2,245.9	889.4	1,356.5
2022	Apr-22	2,186.4	865.8	1,320.5
2022	May-22	2,343.3	928.0	1,415.3
2022	Jun-22	2,316.0	917.2	1,398.8
2022	Jul-22	2,421.7	959.0	1,462.7
2022	Aug-22	2,478.1	981.4	1,496.8
2022	Sep-22	2,318.4	918.1	1,400.3
2022	Oct-22	2,267.2	897.9	1,369.4
2022	Nov-22	2,282.8	904.0	1,378.8
2022	Dec-22	2,340.6	926.9	1,413.7
2023	Jan-23	2,379.2	942.2	1,437.0
2023	Feb-23	2,004.3	793.7	1,210.6
2023	Mar-23	2,264.3	896.7	1,367.6
2023	Apr-23	2,204.3	872.9	1,331.4
2023	May-23	2,362.6	935.6	1,427.0
2023	Jun-23	2,335.0	924.7	1,410.3
2023	Jul-23	2,441.6	966.9	1,474.7
2023	Aug-23	2,498.5	989.4	1,509.1
2023	Sep-23	2,337.5	925.7	1,411.8
2023	Oct-23	2,285.9	905.2	1,380.6
2023	Nov-23	2,301.6	911.5	1,390.1
2023	Dec-23	2,359.8	934.5	1,425.3
2024	Jan-24	2,386.3	945.0	1,441.3
2024	Feb-24	2,010.3	796.1	1,214.2
2024	Mar-24	2,271.1	899.4	1,371.7
2024	Apr-24	2,210.9	875.6	1,335.4
2024	May-24	2,369.6	938.4	1,431.2
2024	Jun-24	2,342.0	927.5	1,414.6
2024	Jul-24	2,448.9	969.8	1,479.1
2024	Aug-24	2,506.0	992.4	1,513.6
2024	Sep-24	2,344.4	928.4	1,416.0
2024	Oct-24	2,292.7	907.9	1,384.8
2024	Nov-24	2,308.5	914.2	1,394.3
2024	Dec-24	2,366.9	937.3	1,429.6
2025	Jan-25	2,404.2	952.1	1,452.1
2025	Feb-25	2,025.4	802.1	1,223.3
2025	Mar-25	2,288.1	906.1	1,382.0
2025	Apr-25	2,227.5	882.1	1,345.4
2025	May-25	2,387.4	945.4	1,441.9
2025	Jun-25	2,359.6	934.4	1,425.1
2025	Jul-25	2,467.3	977.1	1,490.2
2025	Aug-25	2,524.7	999.8	1,524.9
2025	Sep-25	2,362.0	935.4	1,426.6
2025	Oct-25	2,309.9	914.7	1,395.1
2025	Nov-25	2,325.7	921.0	1,404.7
2025	Dec-25	2,384.6	944.3	1,440.3

Monthly Small Cogeneration / Self-Generation Gas Demand: Recorded (2021) and Forecast (2022-2028) (MDth)

Year	Month	Small Cogen (C&I) (G-50) Gas Demand (MDth)	Small CoGen - Tier 1 (Mdth)	Small CoGen - Tier 2 (Mdth)
2026	Jan-26	2,410.3	954.5	1,455.8
2026	Feb-26	2,030.5	804.1	1,226.4
2026	Mar-26	2,293.9	908.4	1,385.5
2026	Apr-26	2,233.1	884.3	1,348.8
2026	May-26	2,393.4	947.8	1,445.6
2026	Jun-26	2,365.5	936.8	1,428.8
2026	Jul-26	2,473.5	979.5	1,494.0
2026	Aug-26	2,531.1	1,002.4	1,528.8
2026	Sep-26	2,368.0	937.8	1,430.2
2026	Oct-26	2,315.7	917.1	1,398.7
2026	Nov-26	2,331.6	923.4	1,408.3
2026	Dec-26	2,390.6	946.7	1,443.9
2027	Jan-27	2,413.2	955.7	1,457.5
2027	Feb-27	2,033.0	805.1	1,227.9
2027	Mar-27	2,296.7	909.5	1,387.1
2027	Apr-27	2,235.8	885.4	1,350.4
2027	May-27	2,396.3	949.0	1,447.3
2027	Jun-27	2,368.4	937.9	1,430.5
2027	Jul-27	2,476.5	980.7	1,495.8
2027	Aug-27	2,534.2	1,003.6	1,530.6
2027	Sep-27	2,370.8	938.9	1,431.9
2027	Oct-27	2,318.5	918.2	1,400.3
2027	Nov-27	2,334.4	924.5	1,410.0
2027	Dec-27	2,393.5	947.9	1,445.7
2028	Jan-28	2,419.9	958.3	1,461.6
2028	Feb-28	2,038.6	807.3	1,231.3
2028	Mar-28	2,303.1	912.0	1,391.0
2028	Apr-28	2,242.0	887.9	1,354.2
2028	May-28	2,403.0	951.6	1,451.4
2028	Jun-28	2,375.0	940.5	1,434.5
2028	Jul-28	2,483.4	983.5	1,499.9
2028	Aug-28	2,541.2	1,006.4	1,534.9
2028	Sep-28	2,377.4	941.5	1,435.9
2028	Oct-28	2,325.0	920.7	1,404.2
2028	Nov-28	2,340.9	927.0	1,413.9
2028	Dec-28	2,400.2	950.5	1,449.7

SOCALGAS LARGE COGENERATION (CAPACITY > 20 MW), UTILITY ELECTRIC GENERATION (UEG) AND EXEMPT WHOLESALE GENERATION (EWG) GAS DEMAND FORECAST

SoCalGas Large Cogeneration (Capacity > 20 Mw), Utility Electric Generation (UEG) and Exempt Wholesale Generation (EWG) Natural Gas Demand

The gas demand forecasts for large cogeneration (capacity > 20 Mw), utility electric generation (UEG) and exempt wholesale generation (EWG) are provided by Mr. Huang (Chapter 4) based on the power market simulation model he uses. Forecast details are discussed by Mr. Huang in his prepared testimony and his workpapers.

SoCalGas Consolidated Gas Demand Forecasts for Electric Generation Rate By EG Rate Tier

The over-all gas demand forecasts for electric generation (under the EG rate category) are aggregated from the previous individual market segment forecasts together with a final small adjustment to this total to account for "Rule-38" eligible G-50 gas load. According to SoCalGas Rule No. 38: "Pursuant to Decision 18-05-006, effective May 10, 2018, this Schedule is closed to new contracts." A small "Rule-38" amount is projected forward using 2021 Rule-38 existing G-50 customers' load. "Rule-38" demands are subtracted from the tier totals of gas demand forecasts for Small Cogeneration, Refinery Cogeneration, and combined Large Cogeneration and UEG/EWG gas demand.

Using the August 2024 data as an example, the resulting EG-tier1 and EG-tier 2 forecasts of gas demand would be:

Tier 1:

EG-Tier1_MDth = (992.4 MDth for SmCoGen)
+ (27.1 MDth for RefCoGen)
+ (126.7 MDth for LgCoGen/UEG/EWG)
- (17.9 MDth for Rule-38 Elligible G-50 load)

= (1,128.3 MDth).

Tier 2:

EG-Tier2_MDth = (1,513.6 MDth for SmCoGen)
+ (2,098.5 MDth for RefCoGen)
+ (18,073.7 MDth for LgCoGen/UEG/EWG)
- (0.0 MDth for Rule-38 Elligible G-50 load)

= (21,685.8 MDth).

Note that the calculations above may reflect small rounding errors.

These results (noting that 1 MDth = 10 MTherms) for tier1 and tier2 gas demand are shown in the SoCalGas consolidated gas demand forecast work papers for August 2024.

SOCALGAS ENHANCED OIL RECOVERY (EOR)

GAS DEMAND FORECAST

SoCalGas Enhanced Oil Recovery Forecasting Methodology

The Enhanced Oil Recovery (EOR) demand forecast is prepared based on historical throughput and general market conditions. For the 2022 to 2028, we expect EOR customers' demand to be stable and then gradually decrease. Combined EOR cogeneration and steaming usage are forecasted to average 15,407 MDth per year in this CAP period (2024-2027).

The table below shows EOR monthly gas demand forecast from 2021 through 2028.

Monthly EOR Gas Demand

Year	Month	Mdth	Customer #
2021	Jan	1,104.6	32
2021	Feb	997.7	32
2021	Mar	1,104.6	32
2021	Apr	1,069.0	32
2021	May	1,104.6	32
2021	Jun	1,069.0	32
2021	Jul	1,104.6	32
2021	Aug	1,104.6	32
2021	Sep	1,069.0	32
2021	Oct	1,104.6	32
2021	Nov	1,069.0	32
2021	Dec	1,104.6	32
2022	Jan	1,338.3	32
2022	Feb	1,208.8	32
2022	Mar	1,338.3	32
2022	Apr	1,295.2	32
2022	May	1,338.3	32
2022	Jun	1,295.2	32
2022	Jul	1,338.3	32
2022	Aug	1,338.3	32
2022	Sep	1,295.2	32
2022	Oct	1,338.3	32
2022	Nov	1,295.2	32
2022	Dec	1,338.3	32
2023	Jan	1,338.3	32
2023	Feb	1,208.8	32
2023	Mar	1,338.3	32
2023	Apr	1,295.2	32
2023	May	1,338.3	32
2023	Jun	1,295.2	32
2023	Jul	1,338.3	32
2023	Aug	1,338.3	32
2023	Sep	1,295.2	32
2023	Oct	1,338.3	32
2023	Nov	1,295.2	32
2023	Dec	1,338.3	32
2024	Jan	1,338.3	32
2024	Feb	1,208.8	32
2024	Mar	1,338.3	32
2024	Apr	1,295.2	32
2024	May	1,338.3	32
2024	Jun	1,295.2	32
2024	Jul	1,338.3	32
2024	Aug	1,338.3	32
2024	Sep	1,295.2	32
2024	Oct	1,338.3	32
2024	Nov	1,295.2	32
2024	Dec	1,338.3	32

Year	Month	Mdth	Customer #
2025	Jan	1,338.3	32
2025	Feb	1,208.8	32
2025	Mar	1,338.3	32
2025	Apr	1,295.2	32
2025	May	1,338.3	32
2025	Jun	1,295.2	32
2025	Jul	1,338.3	32
2025	Aug	1,338.3	32
2025	Sep	1,295.2	32
2025	Oct	1,338.3	32
2025	Nov	1,295.2	32
2025	Dec	1,338.3	32
2026	Jan	1,298.2	32
2026	Feb	1,172.5	32
2026	Mar	1,298.2	32
2026	Apr	1,256.3	32
2026	May	1,298.2	32
2026	Jun	1,256.3	32
2026	Jul	1,298.2	32
2026	Aug	1,298.2	32
2026	Sep	1,256.3	32
2026	Oct	1,298.2	32
2026	Nov	1,256.3	32
2026	Dec	1,298.2	32
2027	Jan	1,259.2	32
2027	Feb	1,137.4	32
2027	Mar	1,259.2	32
2027	Apr	1,218.6	32
2027	May	1,259.2	32
2027	Jun	1,218.6	32
2027	Jul	1,259.2	32
2027	Aug	1,259.2	32
2027	Sep	1,218.6	32
2027	Oct	1,259.2	32
2027	Nov	1,218.6	32
2027	Dec	1,259.2	32
2028	Jan	1,221.5	32
2028	Feb	1,103.2	32
2028	Mar	1,221.5	32
2028	Apr	1,182.0	32
2028	May	1,221.5	32
2028	Jun	1,182.0	32
2028	Jul	1,221.5	32
2028	Aug	1,221.5	32
2028	Sep	1,182.0	32
2028	Oct	1,221.5	32
2028	Nov	1,182.0	32
2028	Dec	1,221.5	32

SOCALGAS EXCHANGE

GAS DEMAND FORECAST

SoCalGas Exchange Gas Demand

The Master Exchange Agreement (MEA) was made and entered into on the March 1st, 1990, by and between Pacific Gas and Electric Company (PG&E) and Southern California Gas Company (SoCalGas). The MEA sets the terms and conditions of any delivery or redelivery of natural gas for standby or for ongoing deliveries.

For the purposes of the forecast, the monthly exchange volumes for SoCalGas deliveries to PG&E and PG&E deliveries to SoCalGas at various exchange taps were tracked. The historical exchange deliveries formed the basis for the exchange forecast.

The forecasts of Exchange volumes are:

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	**TOTAL**
2022	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2023	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2024	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2025	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2026	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2027	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**
2028	62.6	50.2	39.0	27.6	19.4	20.3	16.7	22.0	18.8	28.7	39.7	67.2	**411.9**

SDG&E Noncore Retail Gas Demand

SDG&E Noncore Commercial, Noncore Industrial and Small Cogeneration (Self-generation) Gas Demand Forecast

Forecasts of gas demand for these market segments were calculated from relationships developed from monthly consumption data and employment in the San Diego area.

The estimated equations are provided in the next page followed by the historical and calculated forecasts.

SDG&E Non-Core Demand Equations,

before energy efficiency and carbon-fee adjustments (MDth)

Cogeneration (MDTH_CGNNC_SD)

```
Cochrane-Orcutt
MONTHLY data for  191 periods from  FEB 2006 to  DEC 2021

 mdth_cgnnc_sd

   =    5.71533 * eisd/1000
       (36.9604)

 Sum Sq     736551   Std Err   62.4267   LHS Mean  600.549
 R Sq       0.6150   R Bar Sq   0.6130   F  1,189  301.903
 D.W.( 1)   2.2305   D.W.(12)   1.6529

 AR_0 =  + 0.72374 * AR_1
          (14.6347)
********************************************************************************
```

Commercial (MDTH_COMNC_SD)

```
Cochrane-Orcutt
MONTHLY data for  191 periods from  FEB 2006 to  DEC 2021

 mdth_comnc_sd

   =    0.15232 * ecsd/1000 + 103.108 * dum2006janmay
       (22.3410)             (3.59493)

 Sum Sq     120859   Std Err   25.3529   LHS Mean  198.113   Res Mean   0.3062
 R Sq       0.7152   R Bar Sq   0.7122   F  3,188  157.359   %RMSE     12.3654
 D.W.( 1)   2.3181   D.W.(12)   1.1606

 AR_0 =  + 0.78718 * AR_1
          (19.1190)
********************************************************************************
```

Industrial (MDTH_INDNC_SD)

```
Cochrane-Orcutt
MONTHLY data for  190 periods from  MAR 2006 to  DEC 2021
 Date: 18 APR 2050

 mdth_indnc_sd

   =    1.70458 * eisd/1000 - 40.7312 * dum2013sepoct
       (23.3199)             (3.54474)

      + 86.1081 * dum2015mar
       (4.79250)

 Sum Sq    79187.6   Std Err   20.6891   LHS Mean  177.106
 R Sq       0.6707   R Bar Sq   0.6636   F  5,185  75.3558
 D.W.( 1)   2.0965   D.W.(12)   1.3721

 AR_0 =  + 0.46526 * AR_1 + 0.33976 * AR_2
          (6.66787)         (4.88571)
```

ANNUAL SUMMARY

SDG&E Noncore Commercial & Industrial Demand (MDth)							San Diego County Employment		Cumulative	Cumulative	Carbon Fee Impact	
	Adjusted with DSM and Carbon-Fee Impacts			Unadjusted (from regression equations)			Commercial	Industrial	DSM Cmcl	DSM Indl.	Cogen	Industrial
	Cogeneration	Commercial	Industrial	Cogeneration	Commercial	Industrial	ECSD	EISD	(MDth)	(MDth)	(MDth)	(MDth)
2006	6,253	3,757	1,374	6,253	3,757	1,374	1,219,908	104,800	0	0	0	0
2007	6,353	2,560	1,483	6,353	2,560	1,483	1,229,900	103,292	0	0	0	0
2008	6,861	2,546	1,886	6,861	2,546	1,886	1,221,750	103,658	0	0	0	0
2009	7,268	2,536	1,670	7,268	2,536	1,670	1,161,733	97,558	0	0	0	0
2010	6,371	2,559	1,912	6,371	2,559	1,912	1,154,933	96,058	0	0	0	0
2011	6,577	2,525	2,019	6,577	2,525	2,019	1,163,158	96,892	0	0	0	0
2012	7,015	2,390	2,262	7,015	2,390	2,262	1,193,900	98,675	0	0	0	0
2013	6,872	2,193	2,162	6,872	2,193	2,162	1,225,875	99,858	0	0	0	0
2014	6,616	1,912	2,088	6,616	1,912	2,088	1,251,275	102,800	0	0	0	0
2015	6,526	2,066	2,289	6,526	2,066	2,289	1,287,017	106,867	0	0	0	0
2016	7,460	2,155	2,336	7,460	2,155	2,336	1,322,825	108,692	0	0	0	0
2017	8,829	2,010	2,361	8,829	2,010	2,361	1,351,275	109,700	0	0	0	0
2018	10,130	2,016	2,476	10,130	2,016	2,476	1,378,792	112,708	0	0	0	0
2019	7,234	2,328	2,438	7,234	2,328	2,438	1,396,850	116,017	0	0	0	0
2020	7,433	2,319	2,522	7,433	2,319	2,522	1,280,325	114,150	0	0	0	0
2021	7,346	2,422	2,620	7,346	2,422	2,620	1,304,200	114,221	0	0	0	0
2022	7,783	2,602	2,594	7,846	2,610	2,615	1,372,426	115,716	-8	-7	-64	-14
2023	7,936	2,554	2,402	8,016	2,572	2,432	1,403,960	116,902	-18	-15	-80	-16
2024	7,913	2,570	2,357	8,021	2,598	2,399	1,421,305	116,949	-28	-22	-108	-20
2025	7,883	2,586	2,337	8,006	2,625	2,389	1,436,209	116,738	-39	-28	-123	-23
2026	7,876	2,603	2,330	8,012	2,653	2,390	1,451,643	116,822	-50	-35	-136	-25
2027	7,879	2,613	2,325	8,030	2,675	2,395	1,463,673	117,088	-62	-42	-151	-28
2028	7,847	2,621	2,310	8,014	2,696	2,390	1,474,754	116,843	-75	-49	-167	-31

MONTHLY

SDG&E Noncore Commercial & Industrial Demand (MDth)							San Diego County Employment		Cumulative	Cumulative	Carbon Fee Impact	
	Adjusted with DSM and Carbon-Fee Impacts			Unadjusted (from regression equations)			Commercial	Industrial	DSM Cmcl	DSM Indl.	Cogen	Industrial
Month	Cogeneration	Commercial	Industrial	Cogeneration	Commercial	Industrial	ECSD	EISD	(MDth)	(MDth)	(MDth)	(MDth)
Jan-06	440.5	453.7	119.7	440.5	453.7	119.7	1,195,300	104,100	0.0	0.0	0.0	0.0
Feb-06	482.3	449.3	128.8	482.3	449.3	128.8	1,204,900	104,600	0.0	0.0	0.0	0.0
Mar-06	452.1	409.3	108.2	452.1	409.3	108.2	1,211,500	105,200	0.0	0.0	0.0	0.0
Apr-06	458.3	474.6	130.8	458.3	474.6	130.8	1,213,500	104,800	0.0	0.0	0.0	0.0
May-06	478.6	351.8	134.1	478.6	351.8	134.1	1,222,000	105,100	0.0	0.0	0.0	0.0
Jun-06	509.0	244.8	126.5	509.0	244.8	126.5	1,230,200	105,600	0.0	0.0	0.0	0.0
Jul-06	515.5	231.9	133.6	515.5	231.9	133.6	1,215,600	105,400	0.0	0.0	0.0	0.0
Aug-06	575.8	206.3	98.9	575.8	206.3	98.9	1,220,200	105,000	0.0	0.0	0.0	0.0
Sep-06	586.2	222.2	117.8	586.2	222.2	117.8	1,225,400	104,800	0.0	0.0	0.0	0.0
Oct-06	642.8	214.9	97.9	642.8	214.9	97.9	1,226,300	104,200	0.0	0.0	0.0	0.0
Nov-06	557.5	257.5	96.4	557.5	257.5	96.4	1,236,100	104,400	0.0	0.0	0.0	0.0
Dec-06	554.0	240.2	80.9	554.0	240.2	80.9	1,237,900	104,400	0.0	0.0	0.0	0.0
Jan-07	534.6	235.9	100.4	534.6	235.9	100.4	1,208,000	103,500	0.0	0.0	0.0	0.0
Feb-07	521.6	274.8	127.9	521.6	274.8	127.9	1,217,200	103,300	0.0	0.0	0.0	0.0
Mar-07	505.7	236.5	97.4	505.7	236.5	97.4	1,225,300	103,600	0.0	0.0	0.0	0.0
Apr-07	529.4	263.3	123.3	529.4	263.3	123.3	1,224,900	102,400	0.0	0.0	0.0	0.0
May-07	492.1	228.3	122.3	492.1	228.3	122.3	1,233,700	102,500	0.0	0.0	0.0	0.0
Jun-07	552.0	207.0	123.9	552.0	207.0	123.9	1,241,900	102,600	0.0	0.0	0.0	0.0
Jul-07	516.9	169.5	118.6	516.9	169.5	118.6	1,231,600	103,500	0.0	0.0	0.0	0.0
Aug-07	561.6	167.8	127.4	561.6	167.8	127.4	1,232,700	103,200	0.0	0.0	0.0	0.0
Sep-07	573.0	172.0	141.3	573.0	172.0	141.3	1,232,800	102,900	0.0	0.0	0.0	0.0
Oct-07	547.2	162.9	118.7	547.2	162.9	118.7	1,231,200	103,500	0.0	0.0	0.0	0.0
Nov-07	526.8	201.1	140.0	526.8	201.1	140.0	1,237,500	104,000	0.0	0.0	0.0	0.0
Dec-07	492.6	240.6	142.0	492.6	240.6	142.0	1,242,000	104,500	0.0	0.0	0.0	0.0
Jan-08	512.7	244.4	138.1	512.7	244.4	138.1	1,211,600	103,500	0.0	0.0	0.0	0.0
Feb-08	531.0	263.2	147.7	531.0	263.2	147.7	1,220,800	103,500	0.0	0.0	0.0	0.0
Mar-08	488.8	233.0	165.5	488.8	233.0	165.5	1,226,200	103,900	0.0	0.0	0.0	0.0
Apr-08	517.9	234.3	164.5	517.9	234.3	164.5	1,226,500	103,800	0.0	0.0	0.0	0.0
May-08	495.9	192.1	166.6	495.9	192.1	166.6	1,230,600	103,900	0.0	0.0	0.0	0.0
Jun-08	547.0	208.4	171.5	547.0	208.4	171.5	1,234,200	104,200	0.0	0.0	0.0	0.0
Jul-08	608.1	171.2	169.1	608.1	171.2	169.1	1,222,300	104,000	0.0	0.0	0.0	0.0
Aug-08	638.6	182.4	172.7	638.6	182.4	172.7	1,222,100	104,200	0.0	0.0	0.0	0.0
Sep-08	665.8	196.6	170.8	665.8	196.6	170.8	1,218,800	103,800	0.0	0.0	0.0	0.0
Oct-08	657.2	209.0	150.2	657.2	209.0	150.2	1,217,500	103,700	0.0	0.0	0.0	0.0
Nov-08	618.7	238.4	145.6	618.7	238.4	145.6	1,217,200	103,000	0.0	0.0	0.0	0.0
Dec-08	579.8	172.6	124.2	579.8	172.6	124.2	1,213,200	102,400	0.0	0.0	0.0	0.0
Jan-09	552.8	216.3	117.6	552.8	216.3	117.6	1,175,700	102,500	0.0	0.0	0.0	0.0
Feb-09	520.2	224.2	123.4	520.2	224.2	123.4	1,173,100	101,500	0.0	0.0	0.0	0.0
Mar-09	523.1	232.7	149.7	523.1	232.7	149.7	1,171,800	100,400	0.0	0.0	0.0	0.0
Apr-09	603.3	235.2	143.8	603.3	235.2	143.8	1,167,400	98,900	0.0	0.0	0.0	0.0
May-09	598.0	274.0	118.7	598.0	274.0	118.7	1,170,700	97,700	0.0	0.0	0.0	0.0
Jun-09	651.5	181.9	110.2	651.5	181.9	110.2	1,169,900	97,100	0.0	0.0	0.0	0.0
Jul-09	610.6	176.4	147.9	610.6	176.4	147.9	1,146,400	96,400	0.0	0.0	0.0	0.0
Aug-09	713.0	174.7	146.0	713.0	174.7	146.0	1,147,100	95,900	0.0	0.0	0.0	0.0
Sep-09	664.7	204.6	159.0	664.7	204.6	159.0	1,143,000	95,400	0.0	0.0	0.0	0.0
Oct-09	670.1	204.3	146.9	670.1	204.3	146.9	1,154,200	95,100	0.0	0.0	0.0	0.0
Nov-09	659.9	198.1	171.5	659.9	198.1	171.5	1,160,300	94,900	0.0	0.0	0.0	0.0
Dec-09	501.0	214.1	135.5	501.0	214.1	135.5	1,161,200	94,900	0.0	0.0	0.0	0.0
Jan-10	545.7	223.0	144.0	545.7	223.0	144.0	1,131,900	95,100	0.0	0.0	0.0	0.0
Feb-10	544.5	220.6	138.3	544.5	220.6	138.3	1,136,200	95,000	0.0	0.0	0.0	0.0
Mar-10	493.1	206.2	128.2	493.1	206.2	128.2	1,140,900	95,600	0.0	0.0	0.0	0.0
Apr-10	562.2	207.0	157.0	562.2	207.0	157.0	1,153,600	96,400	0.0	0.0	0.0	0.0
May-10	518.4	202.3	142.8	518.4	202.3	142.8	1,164,900	96,400	0.0	0.0	0.0	0.0
Jun-10	519.9	221.2	169.0	519.9	221.2	169.0	1,166,800	96,300	0.0	0.0	0.0	0.0
Jul-10	532.8	204.3	178.4	532.8	204.3	178.4	1,154,600	96,100	0.0	0.0	0.0	0.0
Aug-10	551.2	216.1	169.4	551.2	216.1	169.4	1,157,300	96,400	0.0	0.0	0.0	0.0
Sep-10	531.0	207.9	177.2	531.0	207.9	177.2	1,156,100	96,100	0.0	0.0	0.0	0.0
Oct-10	520.2	199.5	176.3	520.2	199.5	176.3	1,162,000	96,200	0.0	0.0	0.0	0.0
Nov-10	501.0	228.3	176.5	501.0	228.3	176.5	1,166,100	96,300	0.0	0.0	0.0	0.0
Dec-10	550.5	223.0	155.0	550.5	223.0	155.0	1,168,800	96,800	0.0	0.0	0.0	0.0
Jan-11	545.1	246.1	144.0	545.1	246.1	144.0	1,146,900	96,400	0.0	0.0	0.0	0.0
Feb-11	532.2	229.5	168.8	532.2	229.5	168.8	1,155,100	96,300	0.0	0.0	0.0	0.0
Mar-11	473.1	226.4	167.9	473.1	226.4	167.9	1,159,100	96,500	0.0	0.0	0.0	0.0
Apr-11	560.3	223.0	165.2	560.3	223.0	165.2	1,161,700	96,400	0.0	0.0	0.0	0.0
May-11	538.6	196.6	152.3	538.6	196.6	152.3	1,164,500	96,600	0.0	0.0	0.0	0.0
Jun-11	574.3	197.8	175.0	574.3	197.8	175.0	1,167,500	97,200	0.0	0.0	0.0	0.0
Jul-11	557.5	189.0	179.9	557.5	189.0	179.9	1,156,200	97,000	0.0	0.0	0.0	0.0
Aug-11	579.9	203.0	186.5	579.9	203.0	186.5	1,158,500	97,100	0.0	0.0	0.0	0.0
Sep-11	592.4	186.9	190.3	592.4	186.9	190.3	1,162,500	97,200	0.0	0.0	0.0	0.0
Oct-11	569.8	186.4	169.1	569.8	186.4	169.1	1,168,400	97,100	0.0	0.0	0.0	0.0
Nov-11	508.9	235.3	176.8	508.9	235.3	176.8	1,177,500	97,200	0.0	0.0	0.0	0.0
Dec-11	544.5	205.2	143.1	544.5	205.2	143.1	1,180,000	97,700	0.0	0.0	0.0	0.0
Jan-12	550.3	211.5	178.1	550.3	211.5	178.1	1,157,100	96,500	0.0	0.0	0.0	0.0
Feb-12	536.4	199.7	191.4	536.4	199.7	191.4	1,166,400	96,800	0.0	0.0	0.0	0.0
Mar-12	572.9	216.2	193.5	572.9	216.2	193.5	1,173,700	96,900	0.0	0.0	0.0	0.0
Apr-12	543.7	194.9	192.6	543.7	194.9	192.6	1,190,700	97,800	0.0	0.0	0.0	0.0
May-12	583.8	193.8	204.5	583.8	193.8	204.5	1,199,900	98,300	0.0	0.0	0.0	0.0
Jun-12	577.0	181.4	184.8	577.0	181.4	184.8	1,207,600	98,600	0.0	0.0	0.0	0.0
Jul-12	614.6	183.3	201.1	614.6	183.3	201.1	1,191,300	99,500	0.0	0.0	0.0	0.0
Aug-12	648.5	170.2	213.0	648.5	170.2	213.0	1,196,700	99,900	0.0	0.0	0.0	0.0
Sep-12	637.5	153.4	187.7	637.5	153.4	187.7	1,197,100	99,600	0.0	0.0	0.0	0.0
Oct-12	593.8	207.1	195.8	593.8	207.1	195.8	1,207,500	99,700	0.0	0.0	0.0	0.0
Nov-12	579.8	246.2	175.4	579.8	246.2	175.4	1,218,200	100,100	0.0	0.0	0.0	0.0

Dec-12	576.3	231.9	144.1	576.3	231.9	144.1	1,220,600	100,400	0.0	0.0	0.0	0.0
Jan-13	570.7	261.6	180.2	570.7	261.6	180.2	1,197,700	99,200	0.0	0.0	0.0	0.0
Feb-13	517.6	222.7	174.0	517.6	222.7	174.0	1,206,200	99,500	0.0	0.0	0.0	0.0
Mar-13	590.1	205.1	189.7	590.1	205.1	189.7	1,213,900	99,700	0.0	0.0	0.0	0.0
Apr-13	564.5	210.2	199.8	564.5	210.2	199.8	1,219,800	99,600	0.0	0.0	0.0	0.0
May-13	596.3	165.6	181.8	596.3	165.6	181.8	1,225,200	99,400	0.0	0.0	0.0	0.0
Jun-13	585.2	144.9	195.6	585.2	144.9	195.6	1,231,900	99,300	0.0	0.0	0.0	0.0
Jul-13	632.1	138.9	182.3	632.1	138.9	182.3	1,219,900	99,800	0.0	0.0	0.0	0.0
Aug-13	605.3	140.7	195.8	605.3	140.7	195.8	1,225,400	99,800	0.0	0.0	0.0	0.0
Sep-13	589.2	149.1	126.8	589.2	149.1	126.8	1,225,800	99,900	0.0	0.0	0.0	0.0
Oct-13	610.1	158.8	202.2	610.1	158.8	202.2	1,240,500	100,300	0.0	0.0	0.0	0.0
Nov-13	480.3	198.8	183.2	480.3	198.8	183.2	1,251,500	100,700	0.0	0.0	0.0	0.0
Dec-13	530.8	196.8	150.5	530.8	196.8	150.5	1,252,700	101,100	0.0	0.0	0.0	0.0
Jan-14	554.7	176.7	203.1	554.7	176.7	203.1	1,222,900	100,700	0.0	0.0	0.0	0.0
Feb-14	464.9	171.6	164.5	464.9	171.6	164.5	1,232,600	100,900	0.0	0.0	0.0	0.0
Mar-14	535.6	215.1	143.6	535.6	215.1	143.6	1,239,800	101,000	0.0	0.0	0.0	0.0
Apr-14	553.0	171.6	189.7	553.0	171.6	189.7	1,243,200	101,800	0.0	0.0	0.0	0.0
May-14	562.2	142.8	187.1	562.2	142.8	187.1	1,249,700	102,100	0.0	0.0	0.0	0.0
Jun-14	555.6	131.4	178.0	555.6	131.4	178.0	1,256,800	102,600	0.0	0.0	0.0	0.0
Jul-14	577.1	132.8	198.2	577.1	132.8	198.2	1,244,800	103,200	0.0	0.0	0.0	0.0
Aug-14	579.6	131.7	165.5	579.6	131.7	165.5	1,253,300	103,500	0.0	0.0	0.0	0.0
Sep-14	598.3	122.9	175.8	598.3	122.9	175.8	1,253,300	103,600	0.0	0.0	0.0	0.0
Oct-14	545.5	189.5	191.0	545.5	189.5	191.0	1,264,000	104,200	0.0	0.0	0.0	0.0
Nov-14	556.4	152.7	164.3	556.4	152.7	164.3	1,276,600	104,700	0.0	0.0	0.0	0.0
Dec-14	533.4	173.1	127.6	533.4	173.1	127.6	1,278,300	105,300	0.0	0.0	0.0	0.0
Jan-15	531.8	175.6	175.7	531.8	175.6	175.7	1,256,100	104,800	0.0	0.0	0.0	0.0
Feb-15	499.5	143.8	167.7	499.5	143.8	167.7	1,262,400	105,100	0.0	0.0	0.0	0.0
Mar-15	579.2	149.7	273.4	579.2	149.7	273.4	1,268,600	105,800	0.0	0.0	0.0	0.0
Apr-15	539.7	180.0	203.6	539.7	180.0	203.6	1,275,000	105,700	0.0	0.0	0.0	0.0
May-15	573.7	149.0	200.2	573.7	149.0	200.2	1,285,000	106,200	0.0	0.0	0.0	0.0
Jun-15	590.9	142.7	186.3	590.9	142.7	186.3	1,288,200	106,800	0.0	0.0	0.0	0.0
Jul-15	595.0	148.3	203.9	595.0	148.3	203.9	1,287,400	107,800	0.0	0.0	0.0	0.0
Aug-15	586.5	157.1	175.1	586.5	157.1	175.1	1,290,300	108,200	0.0	0.0	0.0	0.0
Sep-15	561.7	147.7	159.3	561.7	147.7	159.3	1,290,900	107,900	0.0	0.0	0.0	0.0
Oct-15	546.8	195.0	169.0	546.8	195.0	169.0	1,307,100	107,900	0.0	0.0	0.0	0.0
Nov-15	452.0	225.6	180.2	452.0	225.6	180.2	1,316,700	108,000	0.0	0.0	0.0	0.0
Dec-15	469.7	251.3	194.0	469.7	251.3	194.0	1,316,500	108,200	0.0	0.0	0.0	0.0
Jan-16	525.5	247.4	178.3	525.5	247.4	178.3	1,291,600	107,800	0.0	0.0	0.0	0.0
Feb-16	529.4	201.9	191.9	529.4	201.9	191.9	1,302,700	107,900	0.0	0.0	0.0	0.0
Mar-16	554.3	202.2	201.0	554.3	202.2	201.0	1,303,300	107,900	0.0	0.0	0.0	0.0
Apr-16	542.0	171.6	193.5	542.0	171.6	193.5	1,317,700	108,200	0.0	0.0	0.0	0.0
May-16	575.3	161.4	203.6	575.3	161.4	203.6	1,323,000	108,300	0.0	0.0	0.0	0.0
Jun-16	555.0	151.0	219.0	555.0	151.0	219.0	1,323,500	108,700	0.0	0.0	0.0	0.0
Jul-16	657.4	155.6	183.8	657.4	155.6	183.8	1,320,200	109,400	0.0	0.0	0.0	0.0
Aug-16	706.9	154.9	213.4	706.9	154.9	213.4	1,325,400	108,900	0.0	0.0	0.0	0.0
Sep-16	675.6	160.3	196.9	675.6	160.3	196.9	1,328,800	108,600	0.0	0.0	0.0	0.0
Oct-16	643.6	170.4	194.8	643.6	170.4	194.8	1,339,100	109,500	0.0	0.0	0.0	0.0
Nov-16	728.6	189.0	178.9	728.6	189.0	178.9	1,349,400	109,500	0.0	0.0	0.0	0.0
Dec-16	766.3	189.1	180.5	766.3	189.1	180.5	1,349,200	109,600	0.0	0.0	0.0	0.0
Jan-17	677.2	209.9	218.6	677.2	209.9	218.6	1,324,200	108,300	0.0	0.0	0.0	0.0
Feb-17	677.7	163.8	204.6	677.7	163.8	204.6	1,333,100	108,500	0.0	0.0	0.0	0.0
Mar-17	756.2	186.8	208.1	756.2	186.8	208.1	1,337,200	108,500	0.0	0.0	0.0	0.0
Apr-17	682.2	176.6	216.4	682.2	176.6	216.4	1,345,700	108,700	0.0	0.0	0.0	0.0
May-17	672.0	161.4	193.2	672.0	161.4	193.2	1,351,300	108,800	0.0	0.0	0.0	0.0
Jun-17	754.3	150.6	219.2	754.3	150.6	219.2	1,358,700	109,600	0.0	0.0	0.0	0.0
Jul-17	687.2	171.4	195.5	687.2	171.4	195.5	1,343,400	110,900	0.0	0.0	0.0	0.0
Aug-17	833.1	153.5	205.4	833.1	153.5	205.4	1,347,700	110,800	0.0	0.0	0.0	0.0
Sep-17	750.5	132.5	153.1	750.5	132.5	153.1	1,352,600	110,300	0.0	0.0	0.0	0.0
Oct-17	748.3	154.5	180.6	748.3	154.5	180.6	1,367,000	110,500	0.0	0.0	0.0	0.0
Nov-17	832.7	158.8	173.3	832.7	158.8	173.3	1,377,000	110,300	0.0	0.0	0.0	0.0
Dec-17	758.0	190.1	193.3	758.0	190.1	193.3	1,377,400	111,200	0.0	0.0	0.0	0.0
Jan-18	793.0	177.9	218.8	793.0	177.9	218.8	1,357,000	111,000	0.0	0.0	0.0	0.0
Feb-18	729.9	155.3	156.1	729.9	155.3	156.1	1,367,400	111,300	0.0	0.0	0.0	0.0
Mar-18	667.5	184.2	192.8	667.5	184.2	192.8	1,371,200	111,700	0.0	0.0	0.0	0.0
Apr-18	660.2	171.2	226.2	660.2	171.2	226.2	1,375,900	111,500	0.0	0.0	0.0	0.0
May-18	835.7	160.6	236.0	835.7	160.6	236.0	1,379,100	112,200	0.0	0.0	0.0	0.0
Jun-18	752.8	153.9	209.3	752.8	153.9	209.3	1,385,300	113,200	0.0	0.0	0.0	0.0
Jul-18	970.1	160.6	189.1	970.1	160.6	189.1	1,371,200	113,800	0.0	0.0	0.0	0.0
Aug-18	1,055.9	130.5	238.1	1,055.9	130.5	238.1	1,376,700	113,600	0.0	0.0	0.0	0.0
Sep-18	915.2	140.2	209.2	915.2	140.2	209.2	1,375,500	113,000	0.0	0.0	0.0	0.0
Oct-18	723.7	181.1	210.3	723.7	181.1	210.3	1,389,000	113,400	0.0	0.0	0.0	0.0
Nov-18	1,072.2	187.9	202.8	1,072.2	187.9	202.8	1,398,100	113,700	0.0	0.0	0.0	0.0
Dec-18	953.2	212.5	187.7	953.2	212.5	187.7	1,399,100	114,100	0.0	0.0	0.0	0.0
Jan-19	638.6	208.4	260.4	638.6	208.4	260.4	1,377,400	113,100	0.0	0.0	0.0	0.0
Feb-19	572.1	217.0	209.7	572.1	217.0	209.7	1,383,100	113,800	0.0	0.0	0.0	0.0
Mar-19	414.6	198.1	240.5	414.6	198.1	240.5	1,386,600	114,000	0.0	0.0	0.0	0.0
Apr-19	621.6	178.4	212.6	621.6	178.4	212.6	1,392,800	114,300	0.0	0.0	0.0	0.0
May-19	612.2	185.3	202.7	612.2	185.3	202.7	1,397,600	114,900	0.0	0.0	0.0	0.0
Jun-19	587.5	175.9	176.5	587.5	175.9	176.5	1,402,600	115,900	0.0	0.0	0.0	0.0
Jul-19	621.7	169.8	177.3	621.7	169.8	177.3	1,390,200	117,300	0.0	0.0	0.0	0.0
Aug-19	640.6	171.7	222.4	640.6	171.7	222.4	1,395,300	117,500	0.0	0.0	0.0	0.0
Sep-19	626.6	168.5	190.4	626.6	168.5	190.4	1,392,100	117,100	0.0	0.0	0.0	0.0
Oct-19	658.9	193.9	192.8	658.9	193.9	192.8	1,408,700	117,600	0.0	0.0	0.0	0.0
Nov-19	619.5	216.8	179.9	619.5	216.8	179.9	1,420,500	118,200	0.0	0.0	0.0	0.0
Dec-19	620.2	243.9	173.1	620.2	243.9	173.1	1,415,300	118,500	0.0	0.0	0.0	0.0
Jan-20	626.5	243.6	217.6	626.5	243.6	217.6	1,395,400	118,100	0.0	0.0	0.0	0.0
Feb-20	595.6	225.7	193.5	595.6	225.7	193.5	1,406,000	118,700	0.0	0.0	0.0	0.0

SDGE Noncore Commercial, Industrial and Small Cogeneration Gas Demand (Monthly)

Mar-20	589.6	235.9	220.6	589.6	235.9	220.6	1,391,200	118,300	0.0	0.0	0.0	0.0
Apr-20	548.4	191.1	248.0	548.4	191.1	248.0	1,165,200	110,400	0.0	0.0	0.0	0.0
May-20	625.7	165.1	198.3	625.7	165.1	198.3	1,179,500	111,000	0.0	0.0	0.0	0.0
Jun-20	571.1	167.2	193.0	571.1	167.2	193.0	1,235,300	113,000	0.0	0.0	0.0	0.0
Jul-20	688.4	160.9	222.2	688.4	160.9	222.2	1,234,600	113,600	0.0	0.0	0.0	0.0
Aug-20	700.8	164.1	187.4	700.8	164.1	187.4	1,243,900	113,500	0.0	0.0	0.0	0.0
Sep-20	669.2	162.8	208.7	669.2	162.8	208.7	1,258,300	113,300	0.0	0.0	0.0	0.0
Oct-20	671.8	171.0	216.1	671.8	171.0	216.1	1,278,500	113,200	0.0	0.0	0.0	0.0
Nov-20	575.8	203.3	207.0	575.8	203.3	207.0	1,291,300	113,500	0.0	0.0	0.0	0.0
Dec-20	570.2	228.6	209.6	570.2	228.6	209.6	1,284,700	113,200	0.0	0.0	0.0	0.0
Jan-21	612.3	218.1	202.1	612.3	218.1	202.1	1,246,700	113,300	0.0	0.0	0.0	0.0
Feb-21	568.8	191.3	211.1	568.8	191.3	211.1	1,276,500	114,600	0.0	0.0	0.0	0.0
Mar-21	626.4	274.4	242.3	626.4	274.4	242.3	1,284,400	114,300	0.0	0.0	0.0	0.0
Apr-21	535.1	237.2	242.9	535.1	237.2	242.9	1,293,200	114,500	0.0	0.0	0.0	0.0
May-21	630.0	213.6	216.2	630.0	213.6	216.2	1,297,100	113,900	0.0	0.0	0.0	0.0
Jun-21	597.9	189.3	250.8	597.9	189.3	250.8	1,301,100	115,700	0.0	0.0	0.0	0.0
Jul-21	664.4	154.7	196.2	664.4	154.7	196.2	1,296,900	114,500	0.0	0.0	0.0	0.0
Aug-21	659.5	163.3	216.4	659.5	163.3	216.4	1,305,400	113,900	0.0	0.0	0.0	0.0
Sep-21	661.7	158.6	163.9	661.7	158.6	163.9	1,312,800	113,100	0.0	0.0	0.0	0.0
Oct-21	566.7	213.4	188.7	566.7	213.4	188.7	1,339,600	113,800	0.0	0.0	0.0	0.0
Nov-21	603.3	174.5	240.7	603.3	174.5	240.7	1,350,829	114,381	0.0	0.0	0.0	0.0
Dec-21	620.3	234.2	248.2	620.3	234.2	248.2	1,345,873	114,668	0.0	0.0	0.0	0.0
Jan-22	617.4	223.4	231.4	622.5	224.0	233.3	1,320,023	113,358	-0.7	-0.6	-5.1	-1.3
Feb-22	634.8	223.4	231.0	640.0	224.0	232.9	1,352,041	115,187	-0.7	-0.6	-5.2	-1.3
Mar-22	641.1	220.4	225.5	646.4	221.1	227.3	1,358,158	115,417	-0.7	-0.6	-5.3	-1.2
Apr-22	653.4	218.6	224.1	658.7	219.2	226.0	1,365,722	116,935	-0.7	-0.6	-5.4	-1.2
May-22	651.2	216.6	218.9	656.5	217.3	220.7	1,368,506	116,088	-0.7	-0.6	-5.3	-1.2
Jun-22	662.1	215.2	218.5	667.6	215.9	220.3	1,371,720	117,684	-0.7	-0.6	-5.4	-1.2
Jul-22	653.5	213.3	212.7	658.9	214.0	214.5	1,369,114	115,917	-0.7	-0.6	-5.4	-1.2
Aug-22	651.5	212.8	209.5	656.8	213.5	211.2	1,373,462	115,384	-0.7	-0.6	-5.3	-1.1
Sep-22	648.0	212.5	206.2	653.3	213.2	207.9	1,377,508	114,646	-0.7	-0.6	-5.3	-1.1
Oct-22	654.6	215.6	206.3	660.0	216.3	208.0	1,402,438	115,715	-0.7	-0.6	-5.4	-1.1
Nov-22	657.1	216.2	205.4	662.5	216.8	207.1	1,409,808	116,091	-0.7	-0.6	-5.4	-1.1
Dec-22	657.8	214.3	204.3	663.2	215.0	206.0	1,400,614	116,169	-0.7	-0.6	-5.4	-1.1
Jan-23	646.7	208.9	199.3	653.2	210.4	201.8	1,372,723	114,382	-1.5	-1.2	-6.5	-1.3
Feb-23	657.5	213.0	201.5	664.1	214.4	204.1	1,400,995	116,270	-1.5	-1.2	-6.6	-1.3
Mar-23	659.2	212.9	201.2	665.8	214.4	203.7	1,402,099	116,546	-1.5	-1.2	-6.6	-1.3
Apr-23	667.2	212.7	202.8	673.9	214.1	205.4	1,401,673	117,938	-1.5	-1.2	-6.7	-1.3
May-23	663.7	212.6	201.2	670.3	214.1	203.7	1,402,228	117,310	-1.5	-1.2	-6.7	-1.3
Jun-23	674.1	212.6	203.8	680.9	214.0	206.3	1,402,660	119,155	-1.5	-1.2	-6.8	-1.3
Jul-23	669.3	211.7	201.9	676.0	213.2	204.4	1,397,562	118,290	-1.5	-1.2	-6.7	-1.3
Aug-23	663.6	212.0	199.8	670.3	213.4	202.3	1,399,552	117,282	-1.5	-1.2	-6.7	-1.3
Sep-23	656.8	212.1	197.4	663.4	213.5	199.9	1,400,617	116,076	-1.5	-1.2	-6.6	-1.3
Oct-23	658.6	215.2	197.7	665.3	216.7	200.2	1,421,682	116,403	-1.5	-1.2	-6.6	-1.3
Nov-23	659.9	216.2	197.8	666.5	217.6	200.3	1,428,053	116,624	-1.5	-1.2	-6.6	-1.3
Dec-23	659.5	214.6	197.5	666.1	216.0	200.0	1,417,672	116,545	-1.5	-1.2	-6.6	-1.3
Jan-24	645.4	209.0	192.8	654.2	211.4	196.2	1,387,319	114,466	-2.4	-1.8	-8.8	-1.7
Feb-24	655.9	213.5	195.8	664.9	215.8	199.3	1,416,673	116,331	-2.4	-1.8	-8.9	-1.7
Mar-24	657.4	213.7	196.1	666.3	216.1	199.6	1,418,421	116,581	-2.4	-1.8	-8.9	-1.7
Apr-24	664.8	213.8	198.2	673.8	216.2	201.7	1,418,927	117,899	-2.4	-1.8	-9.0	-1.7
May-24	661.4	214.0	197.0	670.4	216.3	200.6	1,419,930	117,296	-2.4	-1.8	-9.0	-1.7
Jun-24	671.9	214.1	200.1	681.1	216.4	203.7	1,420,630	119,164	-2.4	-1.8	-9.1	-1.7
Jul-24	667.3	213.4	198.7	676.3	215.7	202.2	1,416,015	118,338	-2.4	-1.8	-9.1	-1.7
Aug-24	661.6	213.6	196.9	670.6	216.0	200.4	1,417,799	117,340	-2.4	-1.8	-9.0	-1.7
Sep-24	654.9	213.8	194.8	663.8	216.1	198.3	1,418,775	116,142	-2.4	-1.8	-8.9	-1.7
Oct-24	657.0	217.1	195.4	665.9	219.4	198.9	1,440,402	116,514	-2.4	-1.8	-8.9	-1.7
Nov-24	658.1	217.9	195.7	667.0	220.3	199.2	1,445,956	116,710	-2.4	-1.8	-8.9	-1.7
Dec-24	657.5	216.2	195.5	666.4	218.6	199.0	1,434,816	116,606	-2.4	-1.8	-8.9	-1.7
Jan-25	644.4	210.6	191.1	654.5	213.9	195.4	1,403,938	114,518	-3.3	-2.4	-10.1	-1.9
Feb-25	654.7	215.0	194.2	664.9	218.3	198.5	1,433,172	116,342	-3.3	-2.4	-10.3	-1.9
Mar-25	655.9	215.2	194.5	666.1	218.5	198.8	1,434,464	116,551	-3.3	-2.4	-10.3	-1.9
Apr-25	663.2	215.1	196.7	673.6	218.4	201.0	1,433,871	117,858	-3.3	-2.4	-10.4	-1.9
May-25	659.4	215.3	195.5	669.7	218.5	199.8	1,434,683	117,181	-3.3	-2.4	-10.3	-1.9
Jun-25	669.5	215.3	198.6	680.0	218.6	202.9	1,435,154	118,972	-3.3	-2.4	-10.5	-2.0
Jul-25	664.1	214.5	196.9	674.5	217.8	201.3	1,429,841	118,021	-3.3	-2.4	-10.4	-2.0
Aug-25	658.4	214.8	195.2	668.7	218.1	199.5	1,431,665	117,003	-3.3	-2.4	-10.3	-1.9
Sep-25	651.6	215.0	193.1	661.8	218.3	197.4	1,432,855	115,786	-3.3	-2.4	-10.2	-1.9
Oct-25	653.1	218.3	193.6	663.3	221.6	197.9	1,454,897	116,062	-3.3	-2.4	-10.2	-1.9
Nov-25	654.5	219.2	194.0	664.7	222.5	198.3	1,460,536	116,307	-3.3	-2.4	-10.3	-1.9
Dec-25	654.2	217.5	193.9	664.4	220.8	198.2	1,449,434	116,253	-3.3	-2.4	-10.2	-1.9
Jan-26	641.6	211.9	189.7	652.6	216.1	194.7	1,418,527	114,189	-4.2	-2.9	-11.1	-2.1
Feb-26	652.3	216.4	192.9	663.5	220.6	197.9	1,448,144	116,089	-4.2	-2.9	-11.2	-2.1
Mar-26	653.9	216.6	193.4	665.1	220.8	198.4	1,449,760	116,379	-4.2	-2.9	-11.3	-2.1
Apr-26	661.6	216.6	195.7	673.0	220.8	200.8	1,449,414	117,760	-4.2	-2.9	-11.4	-2.1
May-26	658.3	216.7	194.7	669.7	220.9	199.7	1,450,371	117,174	-4.2	-2.9	-11.3	-2.1
Jun-26	668.9	216.8	197.9	680.5	221.0	203.0	1,450,940	119,057	-4.2	-2.9	-11.5	-2.2
Jul-26	664.5	216.0	196.6	675.9	220.2	201.6	1,445,858	118,265	-4.2	-2.9	-11.4	-2.2
Aug-26	658.9	216.3	194.9	670.2	220.5	199.9	1,447,308	117,267	-4.2	-2.9	-11.3	-2.1
Sep-26	652.1	216.4	192.9	663.4	220.6	197.9	1,448,392	116,070	-4.2	-2.9	-11.2	-2.1
Oct-26	653.9	220.0	193.4	665.1	224.1	198.4	1,471,498	116,376	-4.2	-2.9	-11.3	-2.1
Nov-26	655.3	220.6	193.8	666.6	224.8	198.8	1,475,947	116,638	-4.2	-2.9	-11.3	-2.1
Dec-26	655.1	218.7	193.7	666.4	222.9	198.8	1,463,560	116,599	-4.2	-2.9	-11.3	-2.1
Jan-27	642.5	212.6	189.5	654.9	217.8	195.3	1,429,739	114,583	-5.2	-3.5	-12.4	-2.3
Feb-27	653.1	217.2	192.7	665.6	222.4	198.5	1,460,071	116,467	-5.2	-3.5	-12.6	-2.4
Mar-27	654.6	217.5	193.1	667.2	222.7	199.0	1,462,236	116,735	-5.2	-3.5	-12.6	-2.4
Apr-27	662.3	217.7	195.4	675.0	222.9	201.3	1,463,349	118,104	-5.2	-3.5	-12.7	-2.4
May-27	658.8	217.8	194.4	671.5	223.0	200.3	1,463,814	117,485	-5.2	-3.5	-12.7	-2.4

SDGE Noncore Commercial, Industrial and Small Cogeneration Gas Demand (Monthly)

Jun-27	669.2	217.8	197.5	682.1	223.0	203.4	1,463,849	119,341	-5.2	-3.5	-12.9	-2.4
Jul-27	664.5	216.9	196.1	677.3	222.1	202.0	1,457,832	118,504	-5.2	-3.5	-12.8	-2.4
Aug-27	658.8	217.0	194.4	671.5	222.2	200.3	1,459,015	117,484	-5.2	-3.5	-12.7	-2.4
Sep-27	652.0	217.2	192.3	664.5	222.4	198.2	1,459,875	116,266	-5.2	-3.5	-12.5	-2.4
Oct-27	653.8	220.5	192.9	666.4	225.7	198.8	1,481,872	116,599	-5.2	-3.5	-12.6	-2.4
Nov-27	654.9	221.3	193.2	667.5	226.5	199.1	1,487,092	116,795	-5.2	-3.5	-12.6	-2.4
Dec-27	654.3	219.5	193.1	666.9	224.7	198.9	1,475,333	116,690	-5.2	-3.5	-12.6	-2.4
Jan-28	641.3	213.7	188.7	655.0	219.9	195.3	1,443,748	114,596	-6.2	-4.1	-13.6	-2.6
Feb-28	651.5	218.2	191.8	665.4	224.4	198.5	1,473,461	116,425	-6.2	-4.1	-13.9	-2.6
Mar-28	652.7	218.4	192.2	666.6	224.6	198.8	1,474,743	116,637	-6.2	-4.1	-13.9	-2.6
Apr-28	660.0	218.3	194.3	674.1	224.5	201.0	1,474,098	117,939	-6.2	-4.1	-14.0	-2.6
May-28	656.3	218.4	193.2	670.3	224.6	199.9	1,474,424	117,274	-6.2	-4.1	-14.0	-2.6
Jun-28	666.4	218.4	196.3	680.6	224.6	203.0	1,474,352	119,080	-6.2	-4.1	-14.2	-2.7
Jul-28	661.2	217.4	194.7	675.3	223.6	201.4	1,468,032	118,159	-6.2	-4.1	-14.1	-2.6
Aug-28	655.5	217.6	193.0	669.5	223.8	199.7	1,469,206	117,134	-6.2	-4.1	-14.0	-2.6
Sep-28	648.7	217.7	190.9	662.5	223.9	197.6	1,470,044	115,910	-6.2	-4.1	-13.8	-2.6
Oct-28	650.3	221.1	191.4	664.2	227.3	198.1	1,492,217	116,210	-6.2	-4.1	-13.8	-2.6
Nov-28	651.5	221.9	191.8	665.4	228.1	198.4	1,497,342	116,421	-6.2	-4.1	-13.9	-2.6
Dec-28	651.0	220.0	191.6	664.9	226.3	198.3	1,485,380	116,332	-6.2	-4.1	-13.9	-2.6

Gas Demand Forecasts for the Combined, Electric Generation Rate Group By EG Rate Tier

The over-all gas demand forecasts for electric generation (under the EG rate category) are aggregated from the individual market segment forecasts for small cogeneration (capacity < 20 Mw), large cogeneration (capacity > 20 Mw) and Power Plant gas demand.

The gas demand forecast for small cogeneration is discussed in previous section. Small cogeneration gas demand is billed according to the two-tiered EG rate structure. The projected gas demand by tier assigns 39.845% of the total cogeneration demand to tier 1; the remaining 60.155% is assigned to tier 2. These ratios are calculated based on 2021 historical data. Tables 1a and 1b show the monthly forecasts of cogeneration gas demand by EG rate tier.

The gas demand forecasts for large cogeneration and Power Plant are provided by Mr. Huang based on the power market simulation model he uses. Forecast details are discussed by Mr. Huang in his prepared testimony and his workpapers. Large cogeneration and Power plant gas demand is also billed at the EG rate structure. Tables 2a and 2b show the monthly forecasts of power plant gas demand by EG rate tier

Using the August 2024 data as an example, the resulting EG-tier1 and EG-tier 2 forecasts of gas demand would be:

Tier 1:

EG-Tier1_MDth = (263.6 MDth for Small CoGen)
+ (0.0 MDth for Large CoGen/Power Plant)
= (263.6 MDth).

Tier 2:

EG-Tier2_MDth = (398.0 MDth for Small CoGen)
+ (2,313.3 MDth for Large CoGen/Power Plant)
= (2,711.3 MDth).

Note that the calculations above may reflect small rounding errors.

These results (noting that 1 MDth = 10 MTherms) are consistent with values 2,636 MTherms and data 27,113 MTherms, respectively, for tier1 and tier2 gas demand shown in the SDG&E consolidated gas demand forecast work papers for August 2024.

Table 1a Small Cogeneration Gas Demand (1/2)

Year	Month	Total Small CoGen (MDth)	Small CoGen Tier 1 (Mdth)	Small CoGen Tier 2 (Mdth)
2022	Jan	617.4	246.0	371.4
2022	Feb	634.8	252.9	381.8
2022	Mar	641.1	255.4	385.7
2022	Apr	653.4	260.3	393.0
2022	May	651.2	259.5	391.7
2022	Jun	662.1	263.8	398.3
2022	Jul	653.5	260.4	393.1
2022	Aug	651.5	259.6	391.9
2022	Sep	648.0	258.2	389.8
2022	Oct	654.6	260.8	393.8
2022	Nov	657.1	261.8	395.3
2022	Dec	657.8	262.1	395.7
2023	Jan	646.7	257.7	389.0
2023	Feb	657.5	262.0	395.6
2023	Mar	659.2	262.7	396.6
2023	Apr	667.2	265.8	401.3
2023	May	663.7	264.4	399.2
2023	Jun	674.1	268.6	405.5
2023	Jul	669.3	266.7	402.6
2023	Aug	663.6	264.4	399.2
2023	Sep	656.8	261.7	395.1
2023	Oct	658.6	262.4	396.2
2023	Nov	659.9	262.9	397.0
2023	Dec	659.5	262.8	396.7
2024	Jan	645.4	257.2	388.3
2024	Feb	655.9	261.4	394.6
2024	Mar	657.4	261.9	395.4
2024	Apr	664.8	264.9	399.9
2024	May	661.4	263.5	397.9
2024	Jun	671.9	267.7	404.2
2024	Jul	667.3	265.9	401.4
2024	Aug	661.6	263.6	398.0
2024	Sep	654.9	260.9	394.0
2024	Oct	657.0	261.8	395.2
2024	Nov	658.1	262.2	395.9
2024	Dec	657.5	262.0	395.5
2025	Jan	644.4	256.8	387.7
2025	Feb	654.7	260.9	393.8
2025	Mar	655.9	261.3	394.5
2025	Apr	663.2	264.3	399.0
2025	May	659.4	262.7	396.7
2025	Jun	669.5	266.8	402.7
2025	Jul	664.1	264.6	399.5
2025	Aug	658.4	262.3	396.1
2025	Sep	651.6	259.6	391.9
2025	Oct	653.1	260.2	392.9
2025	Nov	654.5	260.8	393.7
2025	Dec	654.2	260.7	393.5

Table 1b Small Cogeneration Gas Demand (2/2)

Year	Month	Total Small CoGen (MDth)	Small CoGen Tier 1 (Mdth)	Small CoGen Tier 2 (Mdth)
2026	Jan	641.6	255.6	385.9
2026	Feb	652.3	259.9	392.4
2026	Mar	653.9	260.5	393.3
2026	Apr	661.6	263.6	398.0
2026	May	658.3	262.3	396.0
2026	Jun	668.9	266.5	402.4
2026	Jul	664.5	264.8	399.7
2026	Aug	658.9	262.5	396.3
2026	Sep	652.1	259.8	392.3
2026	Oct	653.9	260.5	393.3
2026	Nov	655.3	261.1	394.2
2026	Dec	655.1	261.0	394.1
2027	Jan	642.5	256.0	386.5
2027	Feb	653.1	260.2	392.9
2027	Mar	654.6	260.8	393.8
2027	Apr	662.3	263.9	398.4
2027	May	658.8	262.5	396.3
2027	Jun	669.2	266.6	402.6
2027	Jul	664.5	264.8	399.7
2027	Aug	658.8	262.5	396.3
2027	Sep	652.0	259.8	392.2
2027	Oct	653.8	260.5	393.3
2027	Nov	654.9	261.0	394.0
2027	Dec	654.3	260.7	393.6
2028	Jan	641.3	255.5	385.8
2028	Feb	651.5	259.6	391.9
2028	Mar	652.7	260.1	392.7
2028	Apr	660.0	263.0	397.0
2028	May	656.3	261.5	394.8
2028	Jun	666.4	265.5	400.9
2028	Jul	661.2	263.5	397.8
2028	Aug	655.5	261.2	394.3
2028	Sep	648.7	258.5	390.2
2028	Oct	650.3	259.1	391.2
2028	Nov	651.5	259.6	391.9
2028	Dec	651.0	259.4	391.6

Table 2a Large Cogeneration / Power Plant Gas Demand (1/2)

Year	Month	Total Lg CoGen/PowerPlant (MDth)	Lg CoGen/PowerPlant Tier 1 (Mdth)	Lg CoGen/PowerPlant Tier 2 (Mdth)
2022	Jan	2,724.0	0.0	2,724.0
2022	Feb	2,378.0	0.0	2,378.0
2022	Mar	2,506.6	0.0	2,506.6
2022	Apr	2,377.9	0.0	2,377.9
2022	May	2,428.3	0.0	2,428.3
2022	Jun	2,528.2	0.0	2,528.2
2022	Jul	2,985.4	0.0	2,985.4
2022	Aug	3,230.0	0.0	3,230.0
2022	Sep	3,128.5	0.0	3,128.5
2022	Oct	2,862.4	0.0	2,862.4
2022	Nov	2,617.7	0.0	2,617.7
2022	Dec	2,871.4	0.8	2,870.6
2023	Jan	2,454.2	0.0	2,454.2
2023	Feb	2,124.1	0.0	2,124.1
2023	Mar	2,225.1	0.0	2,225.1
2023	Apr	2,061.2	0.0	2,061.2
2023	May	2,156.1	0.0	2,156.1
2023	Jun	2,225.2	0.0	2,225.2
2023	Jul	2,599.8	0.0	2,599.8
2023	Aug	2,760.5	0.0	2,760.5
2023	Sep	2,729.8	0.0	2,729.8
2023	Oct	2,531.6	0.0	2,531.6
2023	Nov	2,337.2	0.0	2,337.2
2023	Dec	2,497.6	0.0	2,497.6
2024	Jan	2,022.3	0.0	2,022.3
2024	Feb	1,886.7	0.0	1,886.7
2024	Mar	1,797.2	0.0	1,797.2
2024	Apr	1,659.4	0.0	1,659.4
2024	May	1,745.5	0.0	1,745.5
2024	Jun	1,839.0	0.0	1,839.0
2024	Jul	2,254.0	0.0	2,254.0
2024	Aug	2,313.3	0.0	2,313.3
2024	Sep	2,273.0	0.0	2,273.0
2024	Oct	2,164.7	0.0	2,164.7
2024	Nov	1,966.1	0.0	1,966.1
2024	Dec	2,120.8	0.0	2,120.8
2025	Jan	1,908.5	0.0	1,908.5
2025	Feb	1,545.5	0.0	1,545.5
2025	Mar	1,565.5	0.0	1,565.5
2025	Apr	1,388.0	0.0	1,388.0
2025	May	1,527.7	0.0	1,527.7
2025	Jun	1,782.1	0.0	1,782.1
2025	Jul	2,074.9	0.0	2,074.9
2025	Aug	2,067.8	0.0	2,067.8
2025	Sep	1,928.7	0.0	1,928.7
2025	Oct	1,893.9	0.0	1,893.9
2025	Nov	1,752.2	0.0	1,752.2
2025	Dec	1,952.0	0.0	1,952.0

Table 2b Large Cogeneration / Power Plant Gas Demand (2/2)

Year	Month	Total Lg CoGen/PowerPlant (MDth)	Lg CoGen/PowerPlant Tier 1 (Mdth)	Lg CoGen/PowerPlant Tier 2 (Mdth)
2026	Jan	1,777.1	0.0	1,777.1
2026	Feb	1,545.2	0.0	1,545.2
2026	Mar	1,611.2	0.0	1,611.2
2026	Apr	1,424.3	0.0	1,424.3
2026	May	1,422.8	0.0	1,422.8
2026	Jun	1,659.7	0.0	1,659.7
2026	Jul	2,032.3	0.0	2,032.3
2026	Aug	2,265.3	0.0	2,265.3
2026	Sep	2,090.9	0.0	2,090.9
2026	Oct	1,913.0	0.0	1,913.0
2026	Nov	1,662.7	0.0	1,662.7
2026	Dec	1,822.1	0.0	1,822.1
2027	Jan	1,769.6	0.0	1,769.6
2027	Feb	1,419.0	0.0	1,419.0
2027	Mar	1,591.4	0.0	1,591.4
2027	Apr	1,237.4	0.0	1,237.4
2027	May	1,391.0	0.0	1,391.0
2027	Jun	1,756.5	0.0	1,756.5
2027	Jul	2,089.7	0.0	2,089.7
2027	Aug	1,954.4	0.0	1,954.4
2027	Sep	2,183.3	0.0	2,183.3
2027	Oct	1,955.0	0.0	1,955.0
2027	Nov	1,674.4	0.0	1,674.4
2027	Dec	1,812.1	0.0	1,812.1
2028	Jan	1,663.7	0.0	1,663.7
2028	Feb	1,385.1	0.0	1,385.1
2028	Mar	1,351.8	0.0	1,351.8
2028	Apr	1,274.1	0.0	1,274.1
2028	May	1,326.1	0.0	1,326.1
2028	Jun	1,591.6	0.0	1,591.6
2028	Jul	1,841.1	0.0	1,841.1
2028	Aug	2,045.1	0.0	2,045.1
2028	Sep	1,913.6	0.0	1,913.6
2028	Oct	1,797.0	0.0	1,797.0
2028	Nov	1,584.0	0.0	1,584.0
2028	Dec	1,719.3	0.0	1,719.3

SoCalGas Other Wholesale Gas Demand

Gas Demand Forecast for Wholesale Customers Other than SDG&E

Workpapers for SDG&E are provided in separate sections as indicated in the table of contents. The supporting material provided below are for the following additional wholesale customers of SoCalGas: the City of Long Beach, Southwest Gas (SWG), the City of Vernon (COV) and ECOGAS, a wholesale customer located in Mexicali, Mexico.

THE CITY OF LONG BEACH

The forecast developed by the City of Long Beach's gas demand for this CAP is provided below. The tables below show the monthly data from 2022 through 2028. The gas consumption shown for 2021 in the consolidated gas demand tables are recorded (billing month basis) deliveries to the City of Long Beach by SoCalGas.

Table CLB-1a - City of Long Beach Gas Demand (2022-2028) Average Year HDD:

Temp	Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
Avg Hdd	2022	913.4	963.5	758.3	744.9	726.5	611.0
Avg Hdd	2023	917.5	967.8	762.0	748.9	730.4	614.5
Avg Hdd	2024	921.5	972.1	765.8	752.9	734.4	618.1
Avg Hdd	2025	925.6	976.4	769.6	756.9	738.3	621.7
Avg Hdd	2026	929.7	980.7	773.5	760.9	742.4	625.3
Avg Hdd	2027	933.8	985.1	777.3	765.0	746.4	628.9
Avg Hdd	2028	938.0	989.4	781.2	769.1	750.5	632.6

Table CLB-1b

Temp	Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
Avg Hdd	2022	602.7	549.9	571.6	614.8	808.6	1,149.5	**9,014.7**
Avg Hdd	2023	605.9	552.9	574.5	617.9	812.1	1,154.4	**9,058.7**
Avg Hdd	2024	609.1	555.8	577.4	621.0	815.7	1,159.5	**9,103.1**
Avg Hdd	2025	612.3	558.8	580.3	624.1	819.2	1,164.5	**9,147.7**
Avg Hdd	2026	615.5	561.8	583.3	627.2	822.7	1,169.6	**9,192.7**
Avg Hdd	2027	618.8	564.9	586.2	630.4	826.3	1,174.7	**9,237.9**
Avg Hdd	2028	622.1	567.9	589.2	633.6	829.9	1,179.8	**9,283.4**

Table CLB-2a - City of Long Beach Gas Demand (2022-2028) Cold Year HDD:

Temp	Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
Cold Hdd	2022	1,022.8	1,073.2	827.6	798.0	758.0	629.5
Cold Hdd	2023	1,027.5	1,080.9	832.3	801.8	761.8	632.3
Cold Hdd	2024	1,031.3	1,085.6	836.1	806.6	765.7	636.1
Cold Hdd	2025	1,036.1	1,090.4	839.9	810.4	770.4	640.9
Cold Hdd	2026	1,040.9	1,093.2	844.7	814.2	774.2	643.8
Cold Hdd	2027	1,044.7	1,099.9	848.5	819.9	778.0	647.6
Cold Hdd	2028	1,049.4	1,104.7	853.3	822.8	782.8	651.4

Table CLB-2b

Temp	Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
Cold Hdd	2022	619.0	564.7	587.6	638.0	877.1	1,292.3	**9,687.8**
Cold Hdd	2023	622.8	567.6	589.5	641.9	880.9	1,297.0	**9,736.3**
Cold Hdd	2024	625.7	570.4	592.3	643.8	884.7	1,302.8	**9,781.1**
Cold Hdd	2025	628.5	574.2	596.1	647.6	888.5	1,308.5	**9,831.6**
Cold Hdd	2026	632.3	577.1	599.0	650.4	892.3	1,314.2	**9,876.3**
Cold Hdd	2027	635.2	580.0	602.8	654.2	896.1	1,320.8	**9,927.8**
Cold Hdd	2028	639.0	582.8	604.7	657.1	900.9	1,326.6	**9,975.4**

SOUTHWEST GAS

The gas demand forecasts for Southwest Gas (SWG) were provided by SWG for 2022 through 2028; the gas consumption shown for 2021 in the consolidated gas demand tables are recorded deliveries (billing month basis and excluded exchange deliveries) to SWG by SoCalGas. The gas demand shown for SWG represents the gas deliveries that SoCalGas makes to SWG and does not include gas transacted under the exchange agreement between SoCalGas and SWG.

Table SWG-1a - SCG Deliveries to SWG (2022-2028) Average Year HDD:

Temp	Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
Avg Hdd	2022	1,160.7	948.6	749.9	524.9	424.1	301.0
Avg Hdd	2023	1,172.0	957.8	757.1	529.9	428.2	303.9
Avg Hdd	2024	1,183.6	979.0	764.5	535.0	432.4	306.8
Avg Hdd	2025	1,195.2	976.6	771.9	540.2	436.5	309.7
Avg Hdd	2026	1,206.8	986.0	779.3	545.3	440.7	312.7
Avg Hdd	2027	1,218.4	995.4	786.6	550.4	444.8	315.6
Avg Hdd	2028	1,230.0	1,017.2	794.0	555.5	449.0	318.5

Table SWG-1b

Temp	Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
Avg Hdd	2022	257.9	280.2	285.7	425.5	710.3	1,149.4	**7,218.2**
Avg Hdd	2023	260.3	282.8	288.5	429.5	717.2	1,160.8	**7,288.1**
Avg Hdd	2024	262.8	285.5	291.2	433.7	724.2	1,172.2	**7,370.9**
Avg Hdd	2025	265.3	288.2	293.9	437.8	731.2	1,183.6	**7,430.0**
Avg Hdd	2026	267.7	290.9	296.7	441.9	738.1	1,195.0	**7,501.0**
Avg Hdd	2027	270.2	293.6	299.4	446.0	745.1	1,206.4	**7,572.0**
Avg Hdd	2028	272.7	296.2	302.2	450.1	752.0	1,217.8	**7,655.3**

Table SWG-2a - SCG Deliveries to SWG (2022-2028) Cold Year HDD:

Temp	Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
Cold Hdd	2022	1,270.0	1,012.1	852.7	583.8	442.3	307.5
Cold Hdd	2023	1,282.4	1,021.9	860.9	589.4	446.6	310.4
Cold Hdd	2024	1,295.1	1,044.6	869.3	595.1	450.9	313.4
Cold Hdd	2025	1,307.8	1,042.0	877.7	600.8	455.2	316.3
Cold Hdd	2026	1,320.5	1,052.0	886.1	606.5	459.6	319.3
Cold Hdd	2027	1,333.2	1,062.1	894.5	612.2	463.9	322.3
Cold Hdd	2028	1,345.9	1,085.3	902.9	617.9	468.3	325.3

Table SWG-2b

Temp	Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
Cold Hdd	2022	257.9	280.2	294.6	449.0	796.8	1,229.4	**7,776.2**
Cold Hdd	2023	260.3	282.8	297.4	453.3	804.5	1,241.6	**7,851.5**
Cold Hdd	2024	262.8	285.5	300.2	457.6	812.3	1,253.8	**7,940.6**
Cold Hdd	2025	265.3	288.2	303.0	462.0	820.1	1,266.0	**8,004.4**
Cold Hdd	2026	267.7	290.9	305.9	466.3	827.9	1,278.2	**8,080.9**
Cold Hdd	2027	270.2	293.6	308.7	470.6	835.7	1,290.4	**8,157.5**
Cold Hdd	2028	272.7	296.2	311.5	475.0	843.5	1,302.6	**8,247.0**

THE CITY OF VERNON

The two tables below show the monthly forecast for the city of Vernon's gas demand.

Table COV-a - City of Vernon Demand (2022-2028):

Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
2022	804.0	666.5	714.9	769.1	770.2	804.7
2023	788.7	686.3	671.9	729.7	747.7	794.8
2024	790.6	721.9	730.6	691.3	739.2	782.2
2025	827.0	704.8	721.3	729.5	735.3	810.7
2026	874.3	703.8	730.2	738.2	761.6	826.8
2027	806.2	729.3	739.7	761.5	765.9	842.0
2028	840.1	739.4	754.0	745.5	755.6	795.3

Table COV-b

Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
2022	857.8	872.6	816.5	856.5	750.6	810.1	**9,493.4**
2023	847.5	878.0	802.9	871.0	818.8	792.1	**9,429.3**
2024	912.2	859.7	821.1	903.6	775.0	826.3	**9,553.7**
2025	877.3	876.1	867.7	870.1	792.7	817.8	**9,630.3**
2026	912.4	854.6	855.0	874.3	806.7	805.2	**9,743.1**
2027	893.5	900.5	858.7	870.0	853.0	868.6	**9,888.9**
2028	895.9	857.7	845.2	919.5	831.0	827.8	**9,807.1**

ECOGAS

The monthly data for year 2021 shown in the consolidated gas demand tables are from SoCalGas' recorded data; the monthly forecasts for years 2022 through 2028 were provided from this wholesale customer's staff. These values are the same as those shown in the SoCalGas Consolidated Gas Demand Forecast workpapers.

Table ECOGAS-a Demand (2022-2028):

Year	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6
2022	973.0	865.2	1,079.9	1,057.7	1,087.2	1,296.7
2023	1,044.4	937.0	1,151.7	1,061.1	1,090.6	1,300.1
2024	1,048.0	940.7	1,155.5	1,065.0	1,094.5	1,304.1
2025	1,052.2	944.9	1,159.7	1,069.2	1,098.8	1,308.4
2026	1,056.7	949.5	1,164.4	1,073.9	1,103.5	1,313.1
2027	1,060.8	953.7	1,168.6	1,078.2	1,107.9	1,317.5
2028	1,065.0	957.9	1,172.9	1,082.5	1,112.2	1,321.8

Table ECOGAS-b

Year	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	**TOTAL**
2022	1,327.2	1,341.4	1,278.6	1,099.5	1,072.7	1,096.5	**13,575.7**
2023	1,330.6	1,344.9	1,282.0	1,102.9	1,076.1	1,100.0	**13,821.6**
2024	1,334.6	1,348.9	1,286.1	1,107.0	1,080.3	1,104.2	**13,868.8**
2025	1,338.9	1,353.2	1,290.4	1,111.4	1,084.6	1,108.6	**13,920.4**
2026	1,343.7	1,358.0	1,295.2	1,116.2	1,089.5	1,113.6	**13,977.3**
2027	1,348.0	1,362.4	1,299.6	1,120.7	1,094.0	1,118.2	**14,029.6**
2028	1,352.4	1,366.8	1,304.1	1,125.1	1,098.5	1,122.8	**14,082.1**

SoCalGas Company Use Fuel, UAF and "Dth/Mcf" Conversion

Table of Contents

I. SoCalGas Conversion Between Energy and Volumetric Units

The estimated conversion of Dth to Mcf was calculated from SoCalGas' system-wide gas consumption for year 2021. The value we've used is 1.0322.

This conversion factor is used to develop a volumetric (e.g., Mcf unit) load estimate from the gas demand forecasts which are developed on an energy (e.g., Dth unit) basis.

II. SoCalGas Company-Use-Fuel (Co-Use-Fuel) as Percent of Receipts

For SoCalGas, data on gas consumed for Company uses are tracked via the SoCalGas' gas accounting system. Three categories of use are identified: Transmission, Storage and "Other". Further, to facilitate the calculations of gas consumed for Company uses, a simple percentage is calculated using the total gas available for disposition as the denominator. These percentages are calculated over the time frame of April 2019 through March 2022. Table 1 below shows the monthly data and the summary calculations.

Table 1

SoCalGas Company Use Fuel Data as Percentage of Receipts

Month	Transmission (Dth)	Storage (Dth)	"Other" (Dth)	Total (Dth)	Receipts Net Avail.-for Disposition (Dth)
Apr-19	79,184	41,514	24,046	144,744	65,390,992
May-19	93,234	118,592	23,920	235,747	66,468,400
Jun-19	84,102	123,463	26,962	234,527	60,568,601
Jul-19	104,006	93,736	25,078	222,820	66,211,604
Aug-19	129,226	85,474	20,490	235,190	73,041,906
Sep-19	131,481	106,399	21,705	259,584	67,805,793
Oct-19	134,140	91,312	19,151	244,602	69,261,592
Nov-19	107,600	40,752	27,001	175,353	80,354,491
Dec-19	159,579	40,202	18,443	218,224	97,661,275
Jan-20	131,602	34,468	21,555	187,625	95,721,417
Feb-20	116,458	64,516	22,142	203,116	80,987,482
Mar-20	94,422	50,109	18,024	162,555	85,589,247
Apr-20	84,306	66,520	19,661	170,487	67,546,814
May-20	96,806	73,928	27,523	198,257	58,872,847
Jun-20	115,129	101,789	25,982	242,900	60,438,885
Jul-20	112,198	68,450	20,472	201,120	69,356,992
Aug-20	150,943	65,658	21,335	237,936	77,381,192
Sep-20	115,220	78,645	28,634	222,499	72,043,277
Oct-20	120,813	61,207	25,645	207,665	74,742,738
Nov-20	113,283	41,672	26,732	181,686	80,127,713
Dec-20	139,364	39,096	22,317	200,778	92,908,234
Jan-21	146,098	38,555	23,153	207,806	92,101,106
Feb-21	77,553	25,721	23,901	127,175	72,214,251
Mar-21	131,824	44,865	24,162	200,851	87,085,590
Apr-21	107,384	70,065	25,959	203,409	69,800,043
May-21	136,419	95,386	23,050	254,856	66,779,838
Jun-21	173,968	95,805	22,143	291,916	68,362,660
Jul-21	165,236	69,571	24,164	258,971	76,767,304
Aug-21	138,828	65,966	25,130	229,924	73,667,337
Sep-21	153,768	55,311	25,878	234,957	67,783,363
Oct-21	44,553	31,137	25,772	101,462	72,857,374
Nov-21	156,007	51,905	24,698	232,611	73,645,417
Dec-21	197,539	22,983	23,209	243,731	100,232,953
Jan-22	170,017	41,856	24,590	236,463	92,634,461
Feb-22	73,885	43,516	25,865	143,266	79,127,817
Mar-22	90,307	56,402	24,514	171,223	76,822,888
36-Month (Apr-19 - Mar-22) Total:	4,376,484	2,296,546	853,006	**7,526,036**	**2,732,363,897**
As %-of-Receipts:	0.160%	0.084%	0.031%	**0.275%**	

III. SoCalGas Un-Accounted-For (UAF) as a Percent of Receipts

The data in Table 2 below provide monthly data to calculate UAF. UAF is calculated from this data as: UAF = Recorded Receipts – Recorded Deliveries. The percentage we use is based on the 36-month sums of the respective component terms of the formula above.

Table 2

SoCalGas Company Monthly Un-Accounted-For (UAF)

Month	Recorded Receipts (Dth)	Recorded Deliveries (Dth)	Un-Accounted-For (UAF) = Receipts - Deliveries (Dth)	UAF as % of Receipts (%)
Apr-19	65,390,992	65,070,265	320,728	0.49%
May-19	66,468,400	66,891,017	-422,617	-0.64%
Jun-19	60,568,601	59,746,120	822,481	1.36%
Jul-19	66,211,604	66,347,048	-135,443	-0.20%
Aug-19	73,041,906	73,194,313	-152,406	-0.21%
Sep-19	67,805,793	68,170,696	-364,904	-0.54%
Oct-19	69,261,592	69,600,296	-338,704	-0.49%
Nov-19	80,354,491	80,054,268	300,223	0.37%
Dec-19	97,661,275	95,302,242	2,359,033	2.42%
Jan-20	95,721,417	94,127,780	1,593,637	1.66%
Feb-20	80,987,482	79,596,132	1,391,350	1.72%
Mar-20	85,589,247	85,746,561	-157,314	-0.18%
Apr-20	67,546,814	67,648,265	-101,451	-0.15%
May-20	58,872,847	58,701,700	171,148	0.29%
Jun-20	60,438,885	59,908,403	530,482	0.88%
Jul-20	69,356,992	69,621,091	-264,099	-0.38%
Aug-20	77,381,192	77,361,839	19,353	0.03%
Sep-20	72,043,277	71,049,512	993,765	1.38%
Oct-20	74,742,738	74,408,070	334,669	0.45%
Nov-20	80,127,713	79,679,523	448,190	0.56%
Dec-20	92,908,234	90,560,804	2,347,429	2.53%
Jan-21	92,101,106	90,695,611	1,405,495	1.53%
Feb-21	72,214,251	70,641,294	1,572,958	2.18%
Mar-21	87,085,590	86,260,893	824,697	0.95%
Apr-21	69,800,043	69,209,180	590,863	0.85%
May-21	66,779,838	66,207,467	572,372	0.86%
Jun-21	68,362,660	68,561,208	-198,547	-0.29%
Jul-21	76,767,304	77,309,368	-542,064	-0.71%
Aug-21	73,667,337	73,471,409	195,927	0.27%
Sep-21	67,783,363	67,715,056	68,307	0.10%
Oct-21	72,857,374	71,900,967	956,407	1.31%
Nov-21	73,645,417	72,296,984	1,348,433	1.83%
Dec-21	100,232,953	99,462,614	770,340	0.77%
Jan-22	92,634,461	89,811,057	2,823,404	3.05%
Feb-22	79,127,817	78,860,998	266,819	0.34%
Mar-22	76,822,888	75,672,277	1,150,611	1.50%
Total	**2,732,363,897**	**2,710,862,327**	**21,501,570**	**0.787%**

IV. SoCalGas Calculations of Company Use and Un-Accounted-For Load

SoCalGas prepares forecasts of gas demand—gas received through customers' meters. Consequently, to calculate the projected quantities of Co-Use-Fuel and UAF, the basis (denominator) for the percentages developed above needs to be changed so they represent gas load as a *percentage of gas demand*—not gas receipts (or gas available for disposition).

The equation below states an identity:

(1) $Q_{out} = Q_{in} – (\text{Co-Use-Fuel}) – (\text{UAF})$, where

Q_{out} = Gas Demand through customers' meters,
Q_{in} = Gas Available for Disposition ("receipts"),
Co-Use-Fuel = F x Q_{in},
UAF = U x Q_{in},
F = Co-Use-Fuel as a proportion (or %) of Q_{in}, and
U = UAF as a proportion (or %) of Q_{in}.

By substituting the relationships for Co-Use-Fuel and UAF into equation (1), the following result yields a relationship between Q_{out} and Q_{in}:

(2) $Q_{out} = Q_{in} (1 – F – U)$, and
(3) $Q_{in} = Q_{out} [1 / (1 – F – U)]$.

These equations will be used to change the basis (denominator) of the percentages of Co-Use-Fuel and UAF from a "receipts basis" to a "demand basis."

The total amount of gas load for Co-Use-Fuel or UAF is numerically the same regardless of the basis for the respective percentages:

(4) Co-Use-Fuel = F x Q_{in} = f x Q_{out}, and substituting for Q_{in} from (3) yields,

(5) F x Q_{out} [1 / (1 – F – U)] = f x Q_{out},

(5') [F / (1 – F – U)] x Q_{out} = f x Q_{out}.

Consequently, the percentage of gas demand to use to calculate Co-Use-Fuel is:

(6) f = [F / (1 – F – U)]; similarly,

the percentage of gas demand to use to calculate Co-Use-Fuel is:

(7) u = [U / (1 – F – U)].

Since Co-Use-Fuel is separated into several components (denoted with subscript "c" in the formulas below), the component loads also can be calculated from gas demand using the following formula:

(8) $f_c = [F_c / (1 – F – U)]$; where $F = \sum_{i=1, ..., N}(F_i)$, or

(9) $f_c = (F_c / F) \times f$.

Example: From the Co-Use-Fuel percentage in Table 1 and the UAF percentage of Table 2, we calculate:

f = 0.278% = [0.275% / (100% - 0.275% - 0.787%)],

u = 0.795% = [0.787% / (100% - 0.275% - 0.787%)], and

Therefore, the Co-Use-Fuel percentage of gas demand (denominator) is 0.278%; and UAF percentage of gas demand (denominator) is 0.795%.

SDG&E Company Use Fuel,
UAF and “Dth/Mcf” Conversion

Table of Contents

I. SDG&E Conversion Between Energy and Volumetric Units

The estimated conversion of Dth to Mcf was calculated from SDG&E's system-wide gas consumption for year 2021. The value is 1.0298 Dth/Mcf.

This conversion factor is used to develop a volumetric (e.g., Mcf unit) load estimate from the gas demand forecasts which are developed on an energy (e.g., Dth unit) basis.

II. SDG&E Company-Use-Fuel (Co-Use-Fuel) as Percent of Receipts

For SDG&E, data on gas consumed for Company uses are tracked via the SDG&E gas accounting system. Three categories of use are identified: Transmission, Storage and "Other". Further, to facilitate the calculations of gas consumed for Company uses, a simple percentage is calculated using the total gas available for disposition as the denominator. These percentages were calculated over the time frame of April 2019 through March 2022. Table 1 below shows the monthly data and the summary calculations.

Table 1

SDG&E Company Use Fuel Data as Percentage of "Receipts"

Month	Transmission (Dth)	Storage (Dth)	"Other" (Dth)	Total (Dth)	Receipts PGA: Net Avail.- for Disposition (Dth)
Apr-19	6,345	0	5,158	11,502	6,352,940
May-19	8,772	0	5,322	14,094	6,104,559
Jun-19	4,666	0	5,837	10,504	5,738,661
Jul-19	6,260	0	4,784	11,044	5,544,210
Aug-19	12,312	0	4,998	17,310	7,031,821
Sep-19	9,162	0	4,946	14,109	6,270,459
Oct-19	9,917	0	5,143	15,060	6,919,305
Nov-19	35,704	0	5,362	41,066	8,141,931
Dec-19	33,746	0	6,003	39,749	8,833,814
Jan-20	30,796	0	6,880	37,676	8,702,959
Feb-20	42,873	0	6,350	49,223	8,882,870
Mar-20	42,231	0	5,609	47,840	10,027,297
Apr-20	19,826	0	5,851	25,677	7,252,146
May-20	18,520	0	3,735	22,255	6,357,878
Jun-20	17,002	0	5,922	22,924	6,615,059
Jul-20	23,744	0	5,417	29,161	7,843,425
Aug-20	20,872	0	6,059	26,931	8,196,267
Sep-20	25,511	0	4,967	30,478	8,220,492
Oct-20	30,478	0	4,485	34,962	8,318,188
Nov-20	39,325	0	4,020	43,345	9,523,187
Dec-20	48,017	0	5,073	53,091	10,710,917
Jan-21	46,976	0	5,619	52,595	9,988,415
Feb-21	26,100	0	6,634	32,734	7,540,819
Mar-21	33,850	0	5,541	39,390	9,138,854
Apr-21	2,449	0	6,120	8,569	6,996,368
May-21	2,458	0	5,907	8,364	7,535,691
Jun-21	21,236	0	6,055	27,291	7,380,343
Jul-21	20,414	0	5,781	26,195	8,485,147
Aug-21	6,952	0	5,899	12,851	7,262,875
Sep-21	3,284	0	6,028	9,312	6,967,082
Oct-21	2,656	0	6,499	9,155	8,547,130
Nov-21	1,919	0	6,680	8,599	8,841,932
Dec-21	115,257	0	7,962	123,219	11,123,855
Jan-22	54,015	0	7,362	61,376	9,742,724
Feb-22	50,591	0	6,957	57,548	9,522,151
Mar-22	42,540	0	9,198	51,738	9,513,677
36-Month (Apr-19 - Mar-22) Total:	916,776	0	210,161	**1,126,937**	**290,175,445**
As %-of-Receipts:	0.316%	0.000%	0.072%	**0.388%**	

III. SDG&E Un-Accounted-For (UAF) as a Percent of Receipts

The data in Table 2 below provide monthly data to calculate UAF. UAF is calculated from this data as:

Adjusted-UAF = Recorded Receipts – Recorded Deliveries

\+ Billing Adjustments-to-UAF.

The UAF percentages in Table 2 are calculated as Adjusted-UAF relative to Recorded Receipts. The percentage we use is based on the sums of the respective component terms of the formula above for all months of the data.

Table 2

SDG&E Monthly Un-Accounted-For (UAF)

Month	Recorded Receipts (Dth)	Recorded Deliveries (Dth)	Billing Adjustments to UAF (Dth)	Adjusted UAF = (Receipts less Deliveries) plus Bill Adj (Dth)	UAF % of Receipts (%)
Apr-19	6,352,940	7,281,423	900,456	-28,027	-0.44%
May-19	6,104,559	6,071,322	-200,232	-166,995	-2.74%
Jun-19	5,738,661	6,210,527	628,683	156,817	2.73%
Jul-19	5,544,210	5,586,768	182,324	139,767	2.52%
Aug-19	7,031,821	6,299,589	-621,360	110,871	1.58%
Sep-19	6,270,459	5,837,344	-260,401	172,714	2.75%
Oct-19	6,919,305	5,876,557	-905,801	136,947	1.98%
Nov-19	8,141,931	6,290,350	-1,554,247	297,334	3.65%
Dec-19	8,833,814	8,492,759	79,927	420,982	4.77%
Jan-20	8,702,959	10,160,053	1,897,398	440,305	5.06%
Feb-20	8,882,870	9,270,561	714,605	326,914	3.68%
Mar-20	10,027,297	6,417,071	-3,306,571	303,655	3.03%
Apr-20	7,252,146	10,732,296	3,732,008	251,858	3.47%
May-20	6,357,878	6,734,504	509,027	132,401	2.08%
Jun-20	6,615,059	6,698,430	192,732	109,361	1.65%
Jul-20	7,843,425	6,905,321	-898,373	39,731	0.51%
Aug-20	8,196,267	8,097,433	-45,767	53,067	0.65%
Sep-20	8,220,492	8,312,195	249,432	157,729	1.92%
Oct-20	8,318,188	7,540,108	-721,190	56,890	0.68%
Nov-20	9,523,187	9,820,749	569,099	271,536	2.85%
Dec-20	10,710,917	10,352,932	124,769	482,754	4.51%
Jan-21	9,988,415	9,942,112	462,311	508,614	5.09%
Feb-21	7,540,819	8,367,578	1,150,503	323,745	4.29%
Mar-21	9,138,854	8,101,465	-675,278	362,111	3.96%
Apr-21	6,996,368	7,004,213	-326,875	-334,720	-4.78%
May-21	7,535,691	7,318,204	341,542	559,029	7.42%
Jun-21	7,380,343	8,145,077	846,884	82,150	1.11%
Jul-21	8,485,147	7,503,050	-1,029,725	-47,628	-0.56%
Aug-21	7,262,875	6,924,806	-406,757	-68,688	-0.95%
Sep-21	6,967,082	7,763,558	874,639	78,163	1.12%
Oct-21	8,547,130	7,812,673	-558,939	175,518	2.05%
Nov-21	8,841,932	8,609,829	50,588	282,692	3.20%
Dec-21	11,123,855	9,870,412	-1,046,655	206,789	1.86%
Jan-22	9,742,724	10,104,547	994,614	632,791	6.50%
Feb-22	9,522,151	8,615,565	-755,618	150,968	1.59%
Mar-22	9,513,677	10,780,563	940,437	-326,448	-3.43%
Totals	**290,175,445**	**285,851,943**	**2,128,192**	**6,451,694**	**2.223%**

IV. SDG&E Calculations of Company Use and Un-Accounted-For Load

SDG&E prepares forecasts of gas demand—gas received through customers' meters. Consequently, to calculate the projected quantities of Co-Use-Fuel and UAF, the basis (denominator) for the percentages developed above needs to be changed so they represent gas load as a *percentage of gas demand*—not gas receipts (or gas available for disposition).

The equation below states an identity:

(1) $Q_{out} = Q_{in} – (\text{Co-Use-Fuel}) – (\text{UAF})$, where

Q_{out} = Gas Demand through customers' meters,
Q_{in} = Gas Available for Disposition ("receipts"),
Co-Use-Fuel = F x Q_{in},
UAF = U x Q_{in},
F = Co-Use-Fuel as a proportion (or %) of Q_{in}, and
U = UAF as a proportion (or %) of Q_{in}.

By substituting the relationships for Co-Use-Fuel and UAF into equation (1), the following result yields a relationship between Q_{out} and Q_{in}:

(2) $Q_{out} = Q_{in} (1 – F – U)$, and
(3) $Q_{in} = Q_{out} [1 / (1 – F – U)]$.

These equations will be used to change the basis (denominator) of the percentages of Co-Use-Fuel and UAF from a "receipts basis" to a "demand basis."

The total amount of gas load for Co-Use-Fuel or UAF is numerically the same regardless of the basis for the respective percentages:

(4) Co-Use-Fuel = F x Q_{in} = f x Q_{out}, and substituting for Q_{in} from (3) yields,

(5) F x Q_{out} [1 / (1 – F – U)] = f x Q_{out},

(5') [F / (1 – F – U)] x Q_{out} = f x Q_{out}.

Consequently, the percentage of gas demand to use to calculate Co-Use-Fuel is:

(6) f = [F / (1 – F – U)]; similarly,

the percentage of gas demand to use to calculate Co-Use-Fuel is:

(7) u = [U / (1 – F – U)].

Since Co-Use-Fuel is separated into several components (denoted with subscript "c" in the formulas below), the component loads also can be calculated from gas demand using the following formula:

(8) f_c = [F_c / (1 – F – U)]; where F = $\sum_{i=1, ..., N}(F_i)$, or

(9) f_c = (F_c / F) x f.

Example: From the Co-Use-Fuel percentages in Table 1 and the UAF percentage, 1.178%, of Table 2, we calculate:

f = 0.399% = [0.388% / (100% - 0.388% - 2.223%)],

u = 2.283% = [2.223% / (100% - 0.388% - 2.223%)], and

Therefore, the Co-Use-Fuel percentage of gas demand (denominator) is 0.399%; and UAF percentage of gas demand (denominator) is 2.283%.

Core Storage Asset Allocation

Gas Demand Forecast Measures Used to Allocate Storage Inventory and Withdrawal Capacity Among Core Rate Classes

In general, the allocation of core storage inventory and core withdrawal capacity among each respective Company's core rate classes is performed based on core gas demand forecast results for the 4-year CAP period 2024-2027.

To allocate core storage inventory and core injection, a gas demand measure we call "Excess Winter Gas Demand" is calculated for each Company's core rate class.

$$(\text{Excess Winter Gas Demand})_{t} = (\text{Cold-Year Gas Demand})_{t} - (\text{CAP Period Cold-Year Gas Demand per Month}),$$

where the subscript "t" is a month specified as *month-year* combination (e.g., Dec-2025) from Jan-2024 through Dec-2027. For example, using the December 2025 specific month and the residential core market segment for each Company the following specific results are obtained:

SoCalGas' Residential Core:

$$(\text{Residential Excess Winter Gas Demand})_{\text{Dec-2025}} = (\text{Cold-Year Gas Demand})_{\text{Dec-2025}} - (\text{CAP Period Cold-Year Gas Demand per Month})$$
$$= (360{,}674 \text{ MTherms}) - (2{,}362{,}310 \text{ MTherms} / 12)$$
$$= (360{,}674 \text{ MTherms}) - (196{,}859 \text{ MTherms})$$
$$= (163{,}815 \text{ MTherms})_{\text{Dec-2025}}$$

SDG&E's Residential Core:

$$(\text{Residential Excess Winter Gas Demand})_{\text{Dec-2025}} = (\text{Cold-Year Gas Demand})_{\text{Dec-2025}} - (\text{CAP Period Cold-Year Gas Demand per Month})$$
$$= (44{,}126 \text{ MTherms}) - (298{,}718 \text{ MTherms} / 12)$$
$$= (44{,}126 \text{ MTherms}) - (24{,}893 \text{ MTherms})$$
$$= (19{,}233 \text{ MTherms})_{\text{Dec-2025}}$$

The data in Table 1 and Table 2, below show the Excess Winter Gas Demand calculation results for SoCalGas and for SDG&E, respectively, by each Company's core market segments. The monthly gas demand forecasts for Cold-Year HDD design conditions are provided in the Consolidated Gas Demand material of these work papers.

Table 1: SoCalGas Excess Winter Gas Demand

			Nonresidential Core				Total
		Residential	G-10	G-AC	G-GE	G-NGV	Core
Excess Winter Demand--EWD (Mth)							
2024	Jan	151,106	27,751	0	0	0	**178,857**
	Feb	105,672	21,363	0	0	0	**127,035**
	Mar	63,994	13,025	0	0	0	**77,019**
	Apr	14,270	4,735	0	0	0	**19,005**
	May	0	0	0	79	0	**79**
	Jun	0	0	0	652	0	**652**
	Jul	0	0	3	1,035	16	**1,054**
	Aug	0	0	6	1,096	782	**1,884**
	Sep	0	0	4	801	595	**1,400**
	Oct	0	0	3	163	697	**864**
	Nov	27,671	7,437	1	0	240	**35,350**
	Dec	170,603	30,258	0	0	398	**201,260**
2025	Jan	144,730	25,166	0	0	0	**169,895**
	Feb	100,141	18,950	0	0	0	**119,091**
	Mar	59,313	10,846	0	0	0	**70,159**
	Apr	10,609	2,790	0	0	0	**13,400**
	May	0	0	0	79	0	**79**
	Jun	0	0	0	652	0	**652**
	Jul	0	0	3	1,035	329	**1,366**
	Aug	0	0	6	1,096	1,118	**2,219**
	Sep	0	0	4	801	926	**1,731**
	Oct	0	0	3	163	1,037	**1,204**
	Nov	23,721	5,418	1	0	578	**29,717**
	Dec	163,815	27,592	0	0	740	**192,147**
2026	Jan	138,706	22,888	0	0	0	**161,594**
	Feb	94,917	16,828	0	0	0	**111,744**
	Mar	54,895	8,933	0	0	0	**63,829**
	Apr	7,161	1,089	0	0	0	**8,250**
	May	0	0	0	79	0	**79**
	Jun	0	0	0	652	228	**880**
	Jul	0	0	3	1,035	657	**1,695**
	Aug	0	0	6	1,096	1,471	**2,573**
	Sep	0	0	4	801	1,274	**2,079**
	Oct	0	0	3	163	1,396	**1,562**
	Nov	19,997	3,649	1	0	934	**24,581**
	Dec	157,400	25,240	0	0	1,100	**183,740**
2027	Jan	132,330	20,731	0	0	0	**153,061**
	Feb	89,385	14,819	0	0	0	**104,204**
	Mar	50,206	7,128	0	0	35	**57,368**
	Apr	3,481	0	0	0	0	**3,481**
	May	0	0	0	79	15	**95**
	Jun	0	0	0	652	580	**1,232**
	Jul	0	0	3	1,035	1,021	**2,059**
	Aug	0	0	6	1,096	1,862	**2,964**
	Sep	0	0	4	801	1,659	**2,464**
	Oct	0	0	3	163	1,793	**1,959**
	Nov	16,032	1,982	1	0	1,328	**19,343**
	Dec	150,617	23,009	0	0	1,499	**175,125**
CAP Period:							
	Total EWD (Mth):	487,693	85,407	17	3,826	6,078	**583,020**
	Total EWD (Bcf):	47.2	8.3	0.0	0.4	0.6	**56.5**

Table 2: SDG&E Excess Winter Gas Demand

		Nonresidential Core		Total
	Residential	GN-3	G-NGV	Core
Excess Winter Demand--EWD (Mth)				
2024 Jan	18,479	5,465	99	**24,043**
Feb	13,038	4,052	14	**17,104**
Mar	9,377	2,743	0	**12,120**
Apr	2,486	863	0	**3,349**
May	0	0	0	**0**
Jun	0	0	5	**5**
Jul	0	0	338	**338**
Aug	0	0	139	**139**
Sep	0	0	218	**218**
Oct	0	0	124	**124**
Nov	2,090	592	135	**2,817**
Dec	19,880	5,707	91	**25,678**
2025 Jan	17,857	5,401	52	**23,310**
Feb	12,494	3,996	0	**16,490**
Mar	8,895	2,691	0	**11,586**
Apr	2,114	822	0	**2,937**
May	0	0	0	**0**
Jun	0	0	0	**0**
Jul	0	0	294	**294**
Aug	0	0	98	**98**
Sep	0	0	169	**169**
Oct	0	0	80	**80**
Nov	1,723	554	91	**2,367**
Dec	19,233	5,642	48	**24,922**
2026 Jan	17,329	5,309	52	**22,689**
Feb	12,032	3,913	0	**15,945**
Mar	8,488	2,616	0	**11,104**
Apr	1,804	760	0	**2,564**
May	0	0	0	**0**
Jun	0	0	0	**0**
Jul	0	0	294	**294**
Aug	0	0	98	**98**
Sep	0	0	169	**169**
Oct	0	0	80	**80**
Nov	1,417	493	91	**2,000**
Dec	18,683	5,548	48	**24,278**
2027 Jan	16,782	5,208	52	**22,041**
Feb	11,554	3,821	0	**15,375**
Mar	8,066	2,532	0	**10,599**
Apr	1,481	690	0	**2,171**
May	0	0	0	**0**
Jun	0	0	0	**0**
Jul	0	0	294	**294**
Aug	0	0	98	**98**
Sep	0	0	169	**169**
Oct	0	0	80	**80**
Nov	1,098	426	91	**1,614**
Dec	18,113	5,445	48	**23,606**
TCAP Period:				
Total EWD (Mth):	61,128	18,822	915	**80,864**
Total EWD (Bcf):	5.9	1.8	0.1	**7.9**

The tables below show the Excess Winter Gas Demand totals that are used to allocate 74.16 Bcf core storage inventory and 346 MMcfd summer injection capacity.
Specifically, the percentages in line "% for total inventory allocation" are used for core storage inventory and summer injection.

SoCalGas	Residential	Nonresidential Core				Total
		G-10	G-AC	G-GE	G-NGV	SCG Core
"Excess Winter Demand"	47.2	8.3	0.002	0.4	0.6	**56.5**
% for total inventory allocation	73.44%	12.86%	0.00%	0.58%	0.92%	**87.79%**
% of SoCalGas core	83.65%	14.65%	0.00%	0.66%	1.04%	**100.00%**

SDG&E	Residential	Nonresidential Core		Total		SCG & SDG&E
		GN-3	G-NGV	SDG&E Core		Core Totals
"Excess Winter Demand"	5.9	1.8	0.1	**7.9**		**64.3**
% for total inventory allocation	9.23%	2.84%	0.14%	**12.21%**		**100.00%**
% of SDG&E core	75.59%	23.28%	1.13%	**100.00%**		

To allocate core withdrawal capacity, the respective company's core peak day gas demands over the CAP period are used. The values and proportions of SoCalGas' and SDG&E's respective core peak day load totals are shown below:
The percentages in line % for Withdrawal Allocation" are used to allocate 1,174 MMcfd winter withdrawal capacity.

SoCalGas	Residential	Nonresidential Core				Total
		G-10	G-AC	G-GE	G-NGV	SCG Core
Peak Day Demand	22,262.2	5,242.0	0.3	29.0	479.3	**28,012.8**
% for Withdrawal Allocation	69.284%	16.314%	0.001%	0.090%	1.492%	**87.180%**
% of SoCalGas core	79.47%	18.71%	0.00%	0.10%	1.71%	**100.00%**

SDG&E	Residential	Nonresidential Core		Total		SCG & SDG&E
		GN-3	G-NGV	SDG&E Core		Core Totals
Peak Day Demand	3,039.7	1,015.3	64.2	**4,119.2**		**32,132.0**
% for Withdrawal Allocation	9.460%	3.160%	0.200%	**12.82%**		**100.00%**
% of SDG&E core	73.79%	24.65%	1.56%	**100.00%**		

The resulting allocations of core storage assets to the various core rate classes are shown in the tables below:

SoCalGas Core Storage Allocations by Customer Class

Storage Asset	Residential	G-10	G-AC	G-GE	G-NGV	Total SCG Core
Inventory Allocation (BCF)	54.46	9.54	0.002	0.43	0.68	65.11
Injection (MMcfd)	254.1	44.5	0.009	2.0	3.2	303.8
Withdrawal (MMcfd)	813.4	191.5	0.011	1.1	17.5	1,023.5

SDG&E Core Storage Allocations by Customer Class & Combined SCG & SDG&E

Storage Asset	Residential	GN-3	G-NGV	Total SDG&E Core		Total SCG & SDG&E Core
Inventory Allocation (BCF)	6.84	2.11	0.10	9.05		74.160
Injection (MMcfd)	31.9	9.8	0.5	42.2		346.0
Withdrawal (MMcfd)	111.1	37.1	2.3	150.5		1,174.0

For example, the storage assets allocated to SoCalGas' residential market segment are calculated below:

Inventory:

54.46 Bcf = 74.16 Bcf x 73.44%

Injection:

254.1 MMcf/d = 346 MMcf/d x 73.44%

Withdrawal:

813.4 MMcf/d = 1,214 MMcf/d x 69.284%

2006 LUAF Study for SoCalGas
And
SDG&E

Year 2006 Lost and Unaccounted-For Gas at Southern California Gas Company and San Diego Gas & Electric Company

2006 Addendum to: "A Study of the 1991 Unaccounted-For Gas Volume at the Southern California Gas Company"

Prepared by: Southern California Gas Company
Gas Engineering-Measurement Regulation & Control

November 30th, 2007

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EXECUTIVE SUMMARY:

This document provides a summary of component and customer class allocations for Southern California Gas Company (SoCalGas) and San Diego Gas & Electric Company's (SDG&E) lost and unaccounted-for (LUAF) gas. The allocations are based on a review of reported year 2006 LUAF gas for the companies on areas of LUAF gas contribution as identified in a comprehensive 1991 LUAF gas study conducted by SoCalGas. SoCalGas' 2006 LUAF gas was 7,273,043 MMBtu, representing 0.73% of all system gas receipts while SDG&E's 2006 LUAF gas was 1,542,472 MMBtu, representing 1.27% of all system receipts.

Tables 1 and 2 on the following pages show year 2006 line-item core and non-core allocations of LUAF gas by component type for SoCalGas and SDG&E, respectively. The Tables show the following allocations:

LUAF Gas Allocations:

Company	Core MMBtu	Non-Core MMbtu	Core	Non-Core
SoCalGas:	5,170,794	2,102,249	71.1%	28.9%
SDG&E:	1,183,217	359,235	76.7%	23.3%

The analytical approach used to derive these allocations follows.

Table 1

SoCalGas 2006 LUAF Gas Component Allocation

Line Item	Department	1991 Subcomponents	1991 LAUF Volumes (MCF)	SoCalGas1991 % of LUAF	2006 LAUF Volumes (MCF)	SoCal Gas 2006 % of LUAF	2006 vs.1991 LAUF Volumes (MCF)	2006 % of LUAF Change	2006 LUAF MMBtus	SoCal % Non-core	SoCal 2006 Non-core LUAF MMBtus	SoCal 2006 Core LUAF MMBtus	SoCal Core %
A	Accounting	Cycle Billing Adjustments	201,666	1.86%	0	0.00%	-201,666	-1.86%	-		-	-	
B	Accounting	Company-Use Gas	61,928	0.57%	35,065	0.50%	-26,863	-0.07%	36,176	62.90%	22,755	13,421	37.10%
C	Accounting	Bypass	3,047	0.03%	0	0.00%	-3,047	-0.03%	-	0.00%	-	-	
D	Accounting	Slow Meters	246	0.00%	302	0.00%	56	0.00%	312	0.00%	-	312	100.00%
E	Accounting	DR Meters	5,008	0.05%	3,250	0.05%	-1,758	0.00%	3,353	0.00%	-	3,353	100.00%
F	Accounting	No-Close Policy	3,479	0.03%	477,006	6.77%	473,527	6.73%	492,115	0.00%	-	492,115	100.00%
G	Accounting	Other Estimated	2,323	0.02%	0	0.00%	-2,323	-0.02%	-	0.00%	-	-	
H	Accounting	Other Actual	12,460	0.11%	0	0.00%	-12,460	-0.11%	-	0.00%	-	-	
I	Measurement Regulation & Control	Fixed-Factor Temperature	-1,331,123	-12.27%	-1,539,192	-21.83%	-208,069	-9.56%	(1,587,947)	0.00%	-	(1,587,947)	100.00%
J	Measurement Regulation & Control	Fixed-Factor Pressure	271,007	2.50%	312,599	4.43%	41,592	1.94%	322,501	0.00%	-	322,501	100.00%
K	Measurement Regulation & Control	Elevation and Barometric Pressure	1,603,207	14.78%	1,205,718	17.10%	-397,489	2.33%	1,243,910	0.00%	-	1,243,910	100.00%
L	Measurement Regulation & Control	Fixed-Factor For Calculation of Z	-425,932	-3.93%	-44,947	-0.64%	380,985	3.29%	(46,371)	0.00%	-	(46,371)	100.00%
M	Measurement Regulation & Control	Positive Displacement Meter Accuracy	2,957,299	27.26%	2,244,479	31.84%	-712,820	4.58%	2,315,574	0.00%	-	2,315,574	100.00%
N	Measurement Regulation & Control	Orifice Meter Accuracy	5,849,534	53.91%	4,137,346	58.69%	-1,712,188	4.77%	4,268,399	69.88%	2,982,757	1,285,642	30.12%
O	Measurement Regulation & Control	Ultrasonic Meter Accuracy	0	0.00%	-205,780	-2.92%	-205,780	-2.92%	(212,298)	207.85%	(441,261)	228,963	-107.85%
P	Measurement Regulation & Control	Turbine Meter Accuracy	-912,157	-8.41%	-797,839	-11.32%	114,318	-2.91%	(823,111)	97.33%	(801,134)	(21,977)	2.67%
Q	Measurement Regulation & Control	Instrument Calibration Bias	-28,031	-0.26%	-261,961	-3.72%	-233,930	-3.46%	(270,259)	99.10%	(267,826)	(2,432)	0.90%
R	Measurement Regulation & Control	Ambient Temperature Effect on Instrumentation*	116,012	1.07%	0	0.00%	-116,012	-1.07%	-	0.00%	-	-	
S	Measurement Regulation & Control	Chart Integration Bias	-50,999	-0.47%	0	0.00%	50,999	0.47%	-	0.00%	-	-	
T	Distribution Pipeline	Distribution Leakage	804,662	7.42%	566,861	8.04%	-237,801	0.62%	584,817	23.52%	137,549	447,268	76.48%
U	Transmission Pipeline	Transmission Leakage	67,174	0.62%	29,755	0.42%	-37,419	-0.20%	30,698	62.90%	19,309	11,389	37.10%
V	Accounting	Theft	644,529	5.94%	397,288	5.64%	-247,241	-0.30%	409,872	32.27%	132,266	277,606	67.73%
W	NA	Non-Study Components	994,461	9.17%	489,788	6.95%	-504,673	-2.22%	505,303	62.90%	317,835	187,467	37.10%
	Total		**10,849,800**	**100.00%**	**7,049,738**	**100.00%**	**-3,800,062**	**-0.30%**	**7,273,043**	**28.90%**	**2,102,249**	**5,170,794**	**71.10%**

1991 Total Gas Delivered:	**1,052,063,306**	**2006 Total Gas Delivered MCF:**	**963,340,871**
1991 LUAF % of Total Gas Delivered:	**1.03%**	**2006 LUAF % of Total Gas Delivered:**	**0.73180%**
1991Total LUAF:	**10,849,800**	**2006 Total LUAF MCF:**	**7,049,738**
		2006 Total MMBtus Delivered:	**993,855,331**
		2006 Total MMBtu LUAF:	**7,273,043**
		2006 System Average BTU Factor:	**1.0316757**

The following is included in Instrument Calibration Bias in the 2007 LUAF Study:

*Ambient Temperature Effect on Instrumentation

LUAF Factor Total	LUAF Factor NC	LUAF Factor Core
0.73%	0.21%	0.52%

Allocation	Allocation NC	Allocation Core
100%	28.90%	71.10%

Table 2

SDG&E 2006 LUAF Gas Component Allocation

Line Item	Department	1991 Subcomponents	SDG&E 2006 % of LUAF	2006 LAUF Volumes (MCF)	2006 LUAF MMBtus	SD % Non-core	SD 2006 Non-core LUAF MMBtus	SD 2006 Core LUAF MMBtus	SD % core
A	Accounting	Cycle Billing Adjustments	0.00%	0	0	0.00%	-	-	
B	Accounting	Company-Use Gas	0.20%	3,021	3,074	59.45%	1,827	1,246	40.55%
C	Accounting	Bypass	0.00%	0	0	0.00%	-	-	
D	Accounting	Slow Meters	0.00%	38	38	0.00%	-	38	100.00%
E	Accounting	DR Meters	0.03%	403	410	0.00%	-	410	100.00%
F	Accounting	No-Close Policy	3.92%	59,368	60,400	0.00%	-	60,400	100.00%
G	Accounting	Other Estimated	0.00%	0	0	0.00%	-	-	
H	Accounting	Other Actual	0.00%	0	0	0.00%	-	-	
I	Measurement Regulation & Control	Fixed-Factor Temperature	-11.62%	-176,217	-179,281	0.00%	-	(179,281)	100.00%
J	Measurement Regulation & Control	Fixed-Factor Pressure	3.30%	50,035	50,905	0.00%	-	50,905	100.00%
K	Measurement Regulation & Control	Elevation and Barometric Pressure	12.83%	194,497	197,879	0.00%	-	197,879	100.00%
L	Measurement Regulation & Control	Fixed-Factor For Calculation of Z	-1.07%	-16,164	-16,445	0.00%	-	(16,445)	100.00%
M	Measurement Regulation & Control	Positive Displacement Meter Accuracy	35.90%	544,219	553,681	0.07%	376	553,305	99.93%
N	Measurement Regulation & Control	Orifice Meter Accuracy	-1.72%	-26,052	-26,505	57.55%	(15,255)	(11,250)	42.45%
O	Measurement Regulation & Control	Ultrasonic Meter Accuracy	33.58%	509,059	517,910	44.83%	232,171	285,739	55.17%
P	Measurement Regulation & Control	Turbine Meter Accuracy	-4.83%	-73,178	-74,450	96.69%	(71,985)	(2,465)	3.31%
Q	Measurement Regulation & Control	Instrument Calibration Bias	-0.75%	-11,325	-11,522	89.04%	(10,260)	(1,262)	10.96%
R	Measurement Regulation & Control	Ambient Temperature Effect on Instrumentation	0.00%	0	0	0.00%	-	-	
S	Measurement Regulation & Control	Chart Integration Bias	0.00%	0	0	0.00%	-	-	
T	Distribution Pipeline	Distribution Leakage	6.55%	99,378	101,106	23.52%	23,780	77,326	76.48%
U	Transmission Pipeline	Transmission Leakage	0.19%	2,948	2,999	59.45%	1,783	1,216	40.55%
V	Accounting	Theft	3.57%	54,134	55,075	25.72%	14,168	40,908	74.28%
W	NA	Non-Study Components	19.92%	301,947	307,197	59.45%	182,629	124,569	40.55%
	Total		**100.00%**	**1,516,111**	**1,542,472**	**23.29%**	**359,235**	**1,183,237**	**76.71%**

2006 Total Gas Delivered MCF:	**119,689,634**
2006 LUAF % of Total Gas Delivered:	**1.2667%**
2006 Total LUAF MCF:	**1,516,111**
2006 Total MMBtus Delivered:	**121,770,685**
2006 Total MMBtu LUAF:	**1,542,472**
2006 System Average BTU Factor:	**1.017**

LUAF Factor Total	LUAF Factor NC	LUAF Factor Core
1.27%	0.30%	0.97%
Allocation	**Allocation NC**	**Allocation Core**
100%	23.29%	76.71%

ANALYTICAL APPROACH:

SoCalGas' Gas Engineering Department formulated year 2006 LUAF gas components for both SoCalGas and SDG&E by employing the methods and assessment mechanics from SoCalGas' 1991 study entitled: "A Study of the 1991 Unaccounted For Gas Volume At the Southern California Gas Company". This comprehensive 1991 Study, which provided the framework for SoCalGas' LUAF gas component and customer assignment, was conducted over a two-year period. The study incorporated detailed testing, sampling and inspection of many of SoCalGas' metering, billing and accounting systems in 1990 and 1991. Gas Engineering personnel reviewed the base calculations and assumptions contained in the 1991 Report and modified/updated relevant calculations with year 2006 data sets to arrive at 2006 component allocations. The results are summarized in Table 1 for SoCalGas and Table 2 for SDG&E. An overview of the approach used to develop these numbers is discussed in this report under the Results and LUAF Gas Component Assignment Overview section. The specific methods, factors and calculations used to arrive at the figures in these tables are described in greater detail in Appendices A through W. These identifying Appendix letters are mapped to the specific Line Item designations A through W in the left columns of Tables 1 and 2.

Key base-data changes from 1991 to 2006 which influenced results included the new type of meters used to serve large customers and to receive gas supplies into the system, the change in families of small meters used by SoCalGas, the location of customers and growth in the Inland areas of the service territory, and temperature differences between the analysis years.

There is no companion study of SDG&E's LUAF gas which matches the SoCalGas 1991 study in detail and scope. As such, SDG&E's LUAF gas allocations for year 2006 constitute a derivative of SoCalGas' study results, with allowances incorporated when known dissimilar utilities practices, employed technologies, or other differences, warrant acknowledgement.

The 1991 Study identified four major contributors to SoCalGas' LUAF gas. The four major contributors were:

- Accounting
- Measurement
- Leakage
- Theft

Within these four major contributory areas, 23 sub-components were identified. These sub-component LUAF gas contributors have been reviewed for changes from 1991 to 2006 in operational practices, technologies, weather and other considerations. Some sub-component derivations are still relevant today and required no alteration while others have been updated or eliminated completely. In many instances, updated calculations to reflect differences between 1991 and 2006 data were performed to arrive at the 2006 LUAF gas components for each company.

RESULTS AND LUAF GAS COMPONENT ASSIGNMENT OVERVIEW:

Tables 1 and 2 provide a summary of specific LUAF gas components and their apportionment to the core or non-core customer classes. Each line item (A through W) constitutes one of the 23 sub-components calculated in the 1991 report, which has been updated with 2006 data where applicable. A summary of each sub-component and a brief description of the rationale and methodology applied to each 1991 line item to arrive at each 2006 updated LUAF gas result and customer class allocation follows:

Accounting:

A) Cycle Billing Adjustments – This component has been removed from the LUAF gas calculation due to the fact that SoCalGas and SDG&E have controlled/adjusted for this effect by incorporating an unbilled revenue calculation several years ago.

B) Company - Use Gas – This is gas used by the utilities to support operations which are not metered directly or otherwise not included in operational engineering calculations. These are very nominal volumes involving gas used for operating valves, controllers, gas measuring instruments, equipment start-up and small gas purging operations. Appendix B shows the line item contributors to this use category.

SoCalGas percent of LUAF:	0.50%,	MMBtus:	36,176
SDG&E percent of LUAF:	0.20%,	MMBtus:	1,827

Computed SoCalGas customer allocation is 62.9% to non-core and 37.1% to core. SDG&E's allocation is 59.5% to non-core and a 40.5% to core. This gas use is shared by customers based on the ratio of their aggregate class use to total system deliveries.

C) Bypass – This is gas which bypasses meters under normal operations (e.g., testing change-outs and other related operations) where the affected gas volumes necessarily cannot be metered. This gas is no longer unreported and unaccounted-for. Estimates of bypass gas volume are placed on work orders. The totals from these forms are included in Company-Use Fuel ledgers.

D) Slow Meters – The SoCalGas year 2006 volume is based on 180,000+ small meter in-testing results and detailed testing performed on small diaphragm meters as part of the 1991 LUAF study. This sub-component represents gas delivery which did not get billed as a result of: a) meters operating at times in slow flow ranges as a function of their design and/or as observed in empirical testing and b) meters which are removed from service, tested and confirmed as operating slow, but which do not reach the procedural

threshold requiring a billing adjustment. It includes only slow meters removed from service. Known meter families which run slow but which remain in service are covered under Line item *"M" – Positive Displacement Meter Accuracy*. This statistically negligible Slow Meter component has shown virtually insignificant change since the 1991 Study. Slow meter-associated LUAF gas was calculated for SDG&E by applying SoCalGas' meter testing results to SDG&E's similar family in-service meter populations.

SoCalGas percent of LUAF:	<0.00%,	MMBtus:	312
SDG&E percent of LUAF:	<0.00%,	MMBtus:	38

Allocation for this slow meter volume is 100% to the core market for both utilities. Slow meter considerations affecting larger meter technologies serving non-core customers are covered under other specific metering categories in this report.

E) Did Not Register (DR) Meters – The SoCalGas 2006 volume is based on actual 2006 customer billing adjustments associated with small meters which failed and required replacement. This sub-component has shown insignificant change at SoCalGas since 1991. DR meter LUAF gas was calculated for SDG&E based on SoCalGas' proportion of LUAF gas for the same meter categories.

SoCalGas percent of LUAF:	0.05%,	MMBtus:	3,353
SDG&E percent of LUAF:	0.03%,	MMBtus:	410

Assignment is 100% to core customers for this component, as any required DR meter adjustments affecting non-core customers are performed directly for each non-core meter site.

F) Authorized No-Close Policy – The 2006 SoCalGas allocation is based on 2006 recorded data from SoCalGas' billing system and has shown significant change since the 1991 study due to residential customer growth and expansion of the no-close process. The policy was merely a pilot study in 1991. This 2006 component was calculated by

taking the aggregate of initial meter reads when a new customer moves into a location and subtracting the final meter reads associated with the previous customer's usage. The results of these calculations are shown below.

SoCalGas percent of LUAF:	6.77%,	MMBtus:	492,115
SDG&E percent of LUAF:	3.92%,	MMBtus:	60,400

No close policy LUAF gas is assigned fully to core customers, as they are the customer group for which this practice is authorized.

G) Other Estimated – This is no longer a calculated LUAF gas sub-component. The 2006 allocation is zero for both companies.

H) Other Actual – This is no longer a LUAF gas sub-component due to changes in measuring, estimating and accounting practices. The 2006 allocation is zero for both companies.

Measurement:

I) Fixed-Factor Temperature – This component represents the over-registration of small gas meters without gas temperature correction. In 2006, the net effect was to lower overall LUAF gas. Customer growth in the Inland area and warmer temperatures in year 2006 were the major causes which changed this number by 10% from 1991 levels for SoCalGas. SDG&E's component was apportioned based on relative numbers of meters which are subject to this phenomenon in comparable temperature zones.

SoCalGas percent of LUAF:	-21.83%,	MMBtus:	-1,587,947
SDG&E percent of LUAF:	-11.62%,	MMBtus:	-179,281

This entire component is assigned to core customers. Non-Core customers' meters ordinarily have compensation for both flowing gas pressure and temperature.

J) Fixed-Factor Pressure – This component represents under-billing which occurs due to gas regulation pressure upstream of meters being higher than the as-billed pressure. Based on the results of regulator inspections in 2006, the average fixed factor pressure customer still experiences this slight under-registration.

SoCalGas percent of LUAF:	4.43%,	MMBtus:	322,501
SDG&E percent of LUAF:	3.30%,	MMBtus:	50,905

This component is assigned 100% to core customers as non-core customers have electronic devices which measure and compensate for meter pressure (see Line Item *"Q" - Instrument Calibration Bias* discussion below.)

K) Elevation and Barometric Pressure – Elevation-based LUAF gas results from the elevation where customers actually are served, in the aggregate, being slightly different than the mean altitude assumed in their billing "altitude zone"- used for billing standard pressure customers or "elevation zone"- used for above standard pressure customers. When the aggregate of customers within a zone are situated at an altitude below the mean elevation of that zone used for barometric pressure billing correction, customers on average are under-billed. When they reside above the elevation zone median, their delivered gas pressure is slightly less than assumed, and thus a slight over-registration occurs.

An analysis of each of SoCalGas elevation and altitude zone was performed in 1991. The results showed that customers were on-average situated slightly below their zone mean resulting in higher delivery pressure (and barometric pressure) than employed in billing calculations. SoCalGas 2006 data for this component was calculated by applying updated meter and load information for each of eight standard pressure Altitude Zones (1000' increments) where statistical determination of customer elevation was performed in 1991. This result was applied to standard pressure customer volumes to compute a 2006 result. A similar analysis was performed for above standard pressure customers by

updating information for each of 16 "elevation zones" (400' increments). The contributions to LUAF gas for this phenomenon in 2006 were as follows:

SoCalGas percent of LUAF:	17.10%,	MMBtus:	1,243,910
SDG&E percent of LUAF:	12.83%,	MMBtus:	197,879

SDG&E LUAF contribution was computed by applying SoCalGas altitude zone elevation biases for comparable SDG&E geographic areas. This gas LUAF component is assigned 100% to the core market, as non-core accounts are assigned a barometric read which is site specific, or the pressure at the metering site is an absolute reading from an electronic transmitter registering in units of absolute pressure.

L) Fixed-Factor For Calculation of Z – Bias associated with the fixed factor calculation of super-compressibility changed from 1991, as the temperature associated with the delivery of gas to this class of customers was slightly different. This calculated bias occurs because the assumed system temperature used for the small customer super-compressibility calculation is 60 degrees Fahrenheit while the actual average gas temperature is approximately 64 degrees Fahrenheit for affected meter sets. This resulted in some minor over-registration of gas flows. SDG&E's LUAF gas was calculated using the same method, using a gas temperature of 62.7 degrees F and applying the results to fixed temperature SDG&E customer volumes. The resulting LUAF gas reductions are as follows:

SoCalGas percent of LUAF:	-0.64%,	MMBtus:	-46,371
SDG&E percent of LUAF:	-1.07%,	MMBtus:	-16,445

This component is allocated 100% to core customers, as non-core customer's super-compressibility and volumes are computed using the measured flowing gas temperature at the meter site.

M) Positive Displacement Meter Accuracy – This LUAF gas component reflects the impact of small meter families which have been shown to run slow, but which remain in service as they are not outside of SoCalGas and SDG&E's, CPUC-approved, Meter Performance Control Program criteria for replacement. The LUAF contributions are based on the in-testing of 180,000 meters and applying the results to both SoCalGas and SDG&E in-service meter families in order to statistically compute the system-wide impact of slow meters. Testing of meter performance at different flow rates and matching of registration biases with customer use profiles was also used to determine this LUAF contribution. Since the 1991 study, many slow meter families have been taken out of service resulting in a reduction in LUAF gas for this sub-component.

SoCalGas percent of LUAF:	31.84%,	MMBtus:	2,315,574
SDG&E percent of LUAF:	35.90%,	MMBtus:	553,681

This component is assigned 100% to core customers, since those customers are affected exclusively by the Meter Performance Control Program.

N) Orifice Meter Accuracy – There has been a migration of some SoCalGas retail and receipt-point orifice meters to ultrasonic meters since 1991. This includes the meters at the primary interconnection between SoCalGas and SDG&E at Rainbow. The net effect is a reduction in SoCalGas LUAF gas as a result of fewer "slow" orifice meters at retail delivery locations. SDG&E has a lesser percentage of retail deliveries through orifice meters compared to SoCalGas. SDG&E's largest orifice meter impact is from its gas receipt point at San Onofre. Slight under-measurement of this meter results in a favorable LUAF gas component for SDG&E.

SoCalGas percent of LUAF:	58.69%,	MMBtus:	4,268,399
SDG&E percent of LUAF:	-1.72%,	MMBtus:	-26,505

This component is assigned to both core and non-core customers based on volume weighted orifice-meter supplies and retail delivery meters considerations. All customer

class' supplies are received by orifice meters, but only non-core customers are served by this metering technology.

O) Ultrasonic Meter Accuracy – SoCalGas' finding is that ultrasonic meters can exhibit a positive calibration shift over time and also can exhibit a bias from calibration factor parameters when operating with a single meter factor (and operating at lower than average flow rates.) Maintenance work and repair can also have an upward bias of such metering when probes are replaced in the field due to failure. SoCalGas has used its field findings to project minor upward bias on some of its ultrasonic meters. The associated 2006 LUAF gas impact are:

SoCalGas percent of LUAF:	-2.92%,	MMBtus:	-212,298
SDG&E percent of LUAF:	33.58%,	MMBtus:	517,910

The allocation of this component to customers is a volume-weighted calculation which takes into consideration that both core and non-core customers receive their gas into SoCalGas and SDG&E's transmission lines via ultrasonic meters, while all direct retail deliveries to customers via such meters are for non-core service only. The SoCalGas LUAF gas allocation is a 441,261 MMbtu credit to the non-core market and a 228,963 MMBtu LUAF gas contribution to the core market. The SDG&E LUAF gas allocations are 232,171 MMbtu to the non-core market and a 285,739 MMBtu to core customers.

P) Turbine Meter Accuracy – This component is based on the results of lab calibration tests for meters removed from service and includes field calibration (Aux) factor consideration, which places the lab calibration bias number in the field devices to provide true zero meter error upon installation. Overall these results show a slight over-registration effect for turbine meters in 2006. SDG&E's turbine meter-associated LUAF gas was based on similar results and also compensated for the fact that SDG&E does not include a meter aux factor in its field configuration.

SoCalGas percent of LUAF: -11.32%, MMBtus: -823,111
SDG&E percent of LUAF: -4.83%, MMBtus: -74,450

This component is assigned 97% to non- core customers for both utilities, based on the volume weighting of customers served by turbine meters.

Q) Instrument Calibration Bias – This component is calculated from actual field audits performed in 2006 (using "as-found" data from electronic instruments providing pressure and temperature correction for large customers) and now includes the sub-component *Ambient Temperature Effect on Instrumentation*.

SoCalGas percent of LUAF: -3.72%, MMBtus: -261,961
SDG&E percent of LUAF: -0.75%, MMBtus: -11,522

This component is assigned 99% to SoCalGas' non-core customers, based on the error type associated with the specific equipment in-service at the different customer classes and volume weighting the allocated bias effect. The allocation to SDG&E's non-core customers is 89% based on symmetric criteria.

R) Ambient Temperature Effect on Instrumentation – Ambient temperature effect is now included in the above referenced subcomponent "*Instrument Calibration Bias"*.

S) Chart Integration Bias – Charts are an outdated technology and are no longer used for custody transfer billing. The 2006 LUAF gas component contribution is zero for both utilities.

Leakage:

T) Distribution Leakage – Year 2006 leakage data for mains and services was derived from 2006 mileage, pipe type and updated leak per mile factors for the associated pipe. SDG&E's pipeline leakage rate were computed in the same manner as SoCalGas', with SDG&E's miles of pipe used instead of SoCalGas. Details are provided in Appendix T/U.

SoCalGas percent of LUAF: 8.04%,	MMBtus: 584,817
SDG&E percent of LUAF: 6.55%,	MMBtus: 101,106

The allocation to customer class for both companies was computed based on the relative volume of gas used by core and non-core customers served off of the distribution system. The allocation for distribution leakage is 76% core and 24% non-core for both utilities.

U) Transmission Leakage – SoCalGas 2006 LUAF gas attributable to this component was derived by adjusting transmission pipeline mileages between 1991 and 2006 and applying the 1991 per mile leak rate. Leakage for compressor stations was computed by using 1991 Mcf/hour leak factors for each compressor station with actual 2006 operational hours used as the multiplier. SDG&E's 2006 LUAF gas for this component was computed using SDG&E's pipeline mileage and comparable-type SoCalGas leak factors for pipeline contribution. Comparable SoCalGas compressor leakage rates and SDG&E's actual operating hours were used to compute SDG&E's compressor station contributions.

SoCalGas percent of LUAF:	0.42%,	MMBtus:	30,698
SDG&E percent of LUAF:	0.19%,	MMBtus:	2,999

Transmission pipelines and compressors serve all customers; as such gas LUAF gas component allocations are based on customer class percentage of total gas deliveries. The results are: SDG&E: non-core 59% and core 41%; SoCalGas: non-core 63% and core 37%.

Theft:

V) ***Theft*** – Two calculation methods were used in the 1991 study and the method with the larger amount of LUAF gas was chosen for the analysis in that era. After updating these calculations for customer growth and other factors in 2006, an average of the two calculation methods (entailing percentage of customers who steal gas and the average amount per episode) was used for this revision, resulting in a slight decrease in the percentage of this sub-component. Theft component LUAF contribution was calculated for SDG&E by applying SoCalGas' customer behavior findings/results to SDG&E customer meter counts.

SoCalGas percent of LUAF:	5.64%,	MMBtus:	409,872
SDG&E percent of LUAF:	3.57%,	MMBtus:	55,075

Theft-related LUAF gas allocation was allocated to core and non-core customers based on residential/non-residential end use designation use in the theft calculations. Residential theft was assigned to core while non-residential theft was assigned to non-core for both Companies. The results are: SoCalGas: non-core 32%, core 68%; and SDG&E: non-core 26%, core 74%.

Non-Study Components:

W) ***Non-Study Components*** – This category represents the remainder of LUAF gas for each utility which has not been specifically assigned to a known LUAF gas contribution area. It represents those contributions which might be assignable in any of the other areas, but for which more study would be required to provide such definitive allocations. These numbers also represent the practical limits of certainty for each of the utilities' LUAF gas analyses.

SoCalGas percent of LUAF:	6.95%,	MMBtus:	505,303
SDG&E percent of LUAF:	19.92%,	MMBtus:	307,197

Non-study components were assigned to customer class based on aggregate customer class energy use in 2006.

CONCLUSIONS:

SoCalGas' 2006 LUAF gas was 7,273,043 MMBtu, representing 0.73% of all system deliveries; while SDG&E's 2006 LUAF gas was 1,542,472 MMBtu, constituting 1.27% of all system deliveries. Assignment of these LUAF gas figures to customer class, based on the volume-weighted results of all sub-component allocations, is as follows:

Description	**SoCalGas**	**SDG&E:**
2006 LUAF MMBtu	7,273,043	1,542,472
Core Allocation MMBtu	5,170,794	1,183,237
Non-Core Allocation MMbtu	2,102,249	359,235
Core Allocation%	71.1%	76.7%
Non-Core Allocation%	28.9%	23.3%

APPENDIX A

Cycle Billing Adjustments

Cycle billing adjustment was historically used to refine the formal annual LUAF number for end of year and beginning of year meter reads. This component has been removed from the LUAF gas calculation due to the fact that SoCalGas and SDG&E controlled/adjusted for this effect by incorporating an unbilled revenue calculation into the reported LUAF numbers several years ago. It is integral to the reported number.

APPENDIX B

Company Use Gas

Company use gas LUAF contribution is associated with gas which is used in operations but not sufficiently large enough to report on special accounting forms. Volume II (Accounting-P.43) of the 1991 LUAF study discusses the SoCalGas Company Use gas LUAF contribution of 61,928 Mcf in that year and the method employed to arrive at this figure. The base methodology for calculating Company Use gas LUAF in 2006 remained unchanged for 2006, although several technology changes from 1991 to 2006 did impact this figure favorably. High-bleed gas quality measurement devices have been replaced by gas chromatographs. Turbine start figures have been reduced substantially as gas used for such purposes is now measured for most of the two companies' gas turbine-driven compressors. Tables B-1 and B-2 show the data sets and calculation results for this gas LUAF component in 2006 for SoCalGas (35,065 Mcf : 36,176 MMBtu) and SDGE (3,021 Mcf : 3,074 MMBtu), respectively.

Table B-1

SoCalGas

Item	Unit#	cf/day	Mcf/yr	MMbtu	Notes
pnuematic controls-trans			22,129	22,830	91 study numbers unaltered
pnuematic controls-dist			5,909	6,096	91 study numbers unaltered
gas sampling-GCs	113	4	168	174	updated GC sampler number, 0.17 cf/hr/gc
gas sampling YZ samp	104	0	5	5	updated YZ number, 91 per sampler rate
facility blow and gas purge			3,314	3,418	30% of 91 numbers due to form capture of significant blows
drip operations			1,240	1,279	91 unaltered
wet gas effect			2,300	2,373	91 unaltered
turbine starts			-	-	all metered except Kelso unaltered
Totals			**35,065**	**36,176**	

SoCalGas Allocation to non-core	**37.10%**		**13,009.1**	**13,421.2**
SoCalGas Allocation to core	**62.90%**		**22,055.9**	**22,754.6**

Table B-2

SDGE

Item	Unit#	cf/day	Mcf/yr	MMbtu	Notes
pnuematic controls-trans			1,353	1,376	91 scg*sdge trans mi/Socalgas trans mi
pnuematic controls-dist			1,036	1,054	91 study numbers*sdge dist mi/socalgas dist mi
gas sampling-GCs	2	4	3	3	updated CG sampler number, 0.17cf/hr/gc
gas sampling YZ samp	4	0	0	0	updated YZ number, 91 per sampler rate
facility blow and gas purge			412	420	2006 SCG Number*sendout ratio SDGE/SCG
drip operations			76	77	91 SCG total * ratio transmission line mileage
wet gas effect			141	143	91 SCG total * ratio transmission line mileage
turbine starts			-	-	Moreno turbines start fuel metered
Totals			**3,021**	**3,073**	

SDGE Allocation to Core	**40.55%**		**1,224.9**	**1,264.1**
SDGE Allocation to non-Core	**59.45%**		**1,795.8**	**1,853.3**

Allocation to customer class for each company is based on 2006 relative delivered energy to core and non-core customers.

APPENDIX C
Bypass Gas LUAF

Bypass gas contribution to gas LUAF, as reported in 1991, is now fully reported and accounted for in Company Use gas for 2006. As a result, it is no longer a LUAF component for SoCalGas. It is similarly not a LUAF component for SDG&E in 2006.

APPENDIX D

Slow Meter Gas LUAF

Slow Meter gas LUAF contribution is associated with gas meters which have been in-tested (after removal from a customers premise, approximately 180,000 per year) and found to be operating slow, but which are below the threshold for SoCalGas/SDGE to provide the customers billing adjustments.

Volume II (Accounting-P.69) of the 1991 LUAF study discusses the Slow Meter gas LUAF contribution of 246 Mcf in that year. Accounting processes for calculating Bypass gas LUAF in 2006 remained unchanged. The value is simply the summation of all identified slow meters which were not re-billed as-compiled in CIS report E12P02-3 LUAF. The 2006 value, shown below in Table D-1 is 302.3 Mcf. SDG&E slow meter data was calculated using SoCalGas LUAF and multiplying by the ratio of contributing meter types/sizes between the two companies. The SDGE contribution is 38 Mcf.

Table D-1

Slow Meter Allowance

302.3 MCF/Year for 2006

Source

System Report: E12P02-3 Allowances Report

Definition

Slow meter volumes not billed

Explanation

This report identified slow meter volumes marked as too small to rebill.

A residential meter that is less than 25% slow or when the calculated unregistered volume is 25 ccf or less is not rebilled

A non-residential meter that is less than 2% slow or when the calculated unregistered volume is 25 ccf or less is not rebilled

As-found slow meters which do not trigger billing adjustments are generally limited to small volume use meters and customers. Therefore this component is assigned 100% to core customers for both Companies.

APPENDIX E

DR Meter Gas LUAF

DR Meter gas LUAF contribution is associated with gas meters serving customers which do not register and are removed, but for which estimated volumes are not fully billed to customers due to billing procedural requirements - estimated quantity less than 25 ccf.

The 1991 LUAF study discusses the DR gas LUAF contribution of 5,008 Mcf in that year. Accounting processes for calculating DR Meter gas LUAF gas LUAF in 2006 remained unchanged at SoCalGas. The DR Meter 2006 gas LUAF component is the summation of all DR gas estimates as-compiled in CIS report E12P02-3 LUAF. Table E-1 below, and excerpt from this report, shows this value to be 3,250 Mcf (3,353 MMBtu).

E-1

Unbilled DR Meter Volumes		
	3250 MCF/Year for 2006	
Source		
	System Report: E12P02-3 Allowances Report DW Query of Meter Changes for reason DR	
Definition		
	Volumes not billed for meters that stopped registering usage	
Explanation		
	When the calculated unregistered volume is 25 ccf or less, it is not rebilled	
Calculation		
Total No. of DR Txns Billed	11739	CIS report e12P02-3
Average Billed Txn/Meter	2.75	Estimated
No. of Meters Billed	4269	(1) ÷ (2)
Total No of DR meters	6869	Per DW Query
No of DR Meters Not Billed	2600	(4) - (5)
Usage per meter not billed	12.5	Midpoint between 0-25 based on 25 ccf threshold for rebilling
Total Usage not billed	32500	(5) - (6)
Usage in MCF	3250	(7) ÷ 10

SDG&E DR meter data was calculated using SoCalGas LUAF and multiplying by the ratio of contributing meter types/sizes between the two companies. The 2006 SDGE gas LUAF contribution associated with DR meters was 403 Mcf (410 MMBtu).

DR Meter gas LUAF is allocated 100% to core customers, as non-core customers DR meters are identified and fully reconciled for billing purposes.

APPENDIX F
No-Close Policy gas LUAF

No Close gas LUAF contribution is associated with authorized procedures which allow both companies to leave gas service active when customers vacate a premise. The gas use (typically pilot lights) at a facility between the time a customer moves out and the subsequent occupant orders gas service is not billed to any customer. The result is a significant LUAF contribution attributable to this phenomenon. The total contribution for this Policy is calculated in SoCalGas' CIS report E12P02-5 LUAF to be 477,006 MCF (492,115 MMBtu). This policy was a partial year pilot program in 1991 and the LUAF contribution much lower in that year (3,479 Mcf).

Table F-1
Summary of CIS billing system No Close Meter Registration differentials.

LUAF Due to No Close Policy
477,005.7 MCF/Year for 2006

Source
System Report: E12P02-5 LUAF Report

Definition
Usage recorded by the meter at a vacant facility.

Explanation of Report Categories

Usage between the off date and hard meter close date
is recorded as "Soft Close" LUAF

Usage resulting from a leak at the meter on a vacant facility is recorded as "Leakage on an Off Meter".

Usage between the off date for one customer and On date for another customer is recorded as "LUAF"

Usage between hard meter close date and new customer on date is recorded as "Unauthorized Usage
no customer to
bill"

SDG&E No Close Policy LUAF contribution data was calculated using SoCalGas LUAF volumes and multiplying by the ratio of contributing meter types/sizes between the two companies. The Soft close policy impacts are symmetric for the two companies. The SDGE contribution is 59,368 Mcf. Soft Close is allocated 100% to core customers as they are the class of customer for which this policy is authorized.

APPENDIX G

Other Estimated

This Component is no longer considered LUAF in 2006. Corrections made to customer bills are fully reconciled as company credit/debit on gas ledgers, regardless of time skew.

APPENDIX H

Other Actual Gas Usage

This Component is no longer characterized as gas LUAF; it is accounted for or otherwise estimated and represented as Company Use on gas ledgers.

APPENDIX I

Fixed-Factor Temperature Gas LUAF

Fixed Factor Temperature gas LUAF results when actual gas temperature at a customer meter is something other than 60 degrees F, the value upon which customers without temperature compensating meters are billed. In 2006 the average gas temperature at small customer meters was calculated on the SoCalGas to be 62.08 degrees, resulting in slight over-billing of small meter customers in the aggregate. The average at larger meters was 63.72. For SDG&E the temperatures for small meters averaged 61.5 degrees F, while larger fixed factor temperature meters averaged 62.79. Larger fixed factor meters, serving processes and production activity as opposed to domestic use, have less variation in delivered volumes between summer and winter than smaller meters. Their relative use does not drop off as much in summer, resulting in higher volume-weighted average gas temperatures.

Discussion:

The 2006 Fixed Factor Temperature LUAF contribution for SoCalGas employed the method presented in the following 1991 LUAF Measurement report Tables.

Fixed-Factor Temperature UAF at Small Meters	Table 3.1.1-2
Fixed-Factor Temperature UAF at Large Meters	Table 3.1.1-3

This method was updated with 2006 customer volume and zone gas temperature data. In the elements of Fixed-Factor Temperature at Small and Large Meters and Fixed-factor Pressure at Standard Delivery Pressure, it was determined that the methodology of 1991 was correct, but the conditions in 2006 had changed and warranted a verification that the Temperature and pressure findings were still applicable.

In regards to Fixed-factor temperature at Small and Large meters, there are now 3 Billing Zones instead of 6 Weather Zones as in 1991. The 2006 monthly volume for small and large meters for each Billing Zone and the average monthly ambient temperature for each Billing Zone were required to calculate the 2006 UAF for this element. The increase in 2006 vs. 1991 UAF (gain due to over-registration) for Fixed Factor temperature was due to an increase in the average gas temperature. The gas temperature increased from 60.6 in 1991 to 62.8 degrees F for small meters in 2006. Table I-1 below shows the 2006 volume weighted temperature calculation for each billing zone.

Table I-1:
Fixed Factor Temperature Zone data (small meters core size 1-3)

Months 2006 Size 1-3 Meters	Zone 1 Monthly Temp Basin	Zone 2 Monthly Temp Foothill/Central	Zone 3 Monthly Temp Mountain	Zone 1 Monthly Volume (MCF)	Zone 2 Monthly Volume (MCF)	Zone 3 Monthly Volume (MCF)
January	57.13	50.85	37.88	28,607,140	3,113,444	235,179
February	58.98	53.05	39.44	24,775,664	2,638,099	209,398
March	54.48	51.07	35.13	28,292,914	2,805,513	238,889
April	60.21	58.28	44.51	19,738,166	1,819,751	201,971
May	67.25	68.47	53.35	14,194,073	1,103,071	84,143
June	74.51	75.84	63.79	11,894,148	880,932	50,682
July	80.47	81.7	69.45	10,135,585	799,517	40,851
August	75.47	75.83	65.23	10,017,561	790,645	38,691
September	73.79	72.21	60.22	10,906,293	888,200	49,165
October	67.07	62.88	50.04	12,337,124	1,078,415	87,069
November	64.39	57.35	46.42	16,632,589	1,778,166	131,505
December	56.85	49.18	37.35	28,133,204	3,250,625	233,971
Total Mcf each Zone				**215,664,461**	**20,946,378**	**1,601,514**
Volume weighted average zone temp (degrees F)	**62.78**	**57.71**	**43.58**			
Total Volumes (Mcf) of all Zones:						**238,212,353**
# of Meters per Zone				4,932,677	450,557	25,411
weighted gas temperature	62.08					

Table I-2 shows the resulting 2006 reduction to LUAF based on this zone deviation in gas temperature from 60 degrees F. This value is -951,824 Mcf (LUAF reduction).

Table I-2
Size 1-3 Meters

Months 2006	Zone 1 Monthly UAF %	Zone 2 Monthly UAF %	Zone 3 Monthly UAF %	Zone 1 Monthly UAF Volume (MCF)	Zone 2 Monthly UAF Volume (MCF)	Zone 3 Monthly UAF Volume (MCF)
January	0.555%	1.792%	4.446%	158867	55802	10456
February	0.197%	1.356%	4.119%	48725	35760	8626
March	1.074%	1.748%	5.026%	303757	49053	12007
April	-0.040%	0.332%	3.072%	-7973	6043	6205
May	-1.376%	-1.604%	1.296%	-195299	-17690	1091
June	-2.716%	-2.958%	-0.724%	-323082	-26057	-367
July	-3.790%	-4.008%	-1.786%	-384114	-32047	-730
August	-2.891%	-2.956%	-0.996%	-289591	-23372	-386
September	-2.585%	-2.296%	-0.042%	-281929	-20390	-21
October	-1.342%	-0.551%	1.954%	-165591	-5944	1701
November	-0.838%	0.513%	2.683%	-139330	9114	3529
December	0.610%	2.126%	4.557%	171570	69120	10662
Summary	-0.512%	0.475%	3.295%	-1,103,989	99,391	52,774
Weighted LUAF contribution for all zones-small meters			**0.40**	**TOTAL Small Meter LUAF Zones 1-3 (Mcf**		**-951,824**

Table I-3 shows temperature data for large core meter (size 4 meters and larger). These meters have a different geographic distribution and customer use profile which results in a 2006 average gas temperature of 63.72 degrees F.

Table I-3:
Fixed Factor Temperature gas LUAF (Large meters size core 4+)

2006 UAF Summary Fixed-Factor Temperature UAF at Large Meters

Months 2006 Size 4&up Meters	Zone 1 Monthly Temp Basin	Zone 2 Monthly Temp Foothill/Central	Zone 3 Monthly Temp Mountain	Zone 1 Monthly Volume (MCF)	Zone 2 Monthly Volume (MCF)	Zone 3 Monthly Volume (MCF)
January	57.13	50.85	37.88	8,217,370	760,380	18,108
February	58.98	53.05	39.44	7,522,001	685,267	17,453
March	54.48	51.07	35.13	8,103,237	698,356	19,082
April	60.21	58.28	44.51	6,788,903	518,655	15,975
May	67.25	68.47	53.35	5,828,766	408,145	9,444
June	74.51	75.84	63.79	5,147,656	400,502	7,106
July	80.47	81.7	69.45	4,636,873	402,008	6,415
August	75.47	75.83	65.23	4,626,831	399,785	6,484
September	73.79	72.21	60.22	4,961,077	416,496	7,476
October	67.07	62.88	50.04	5,437,476	445,523	9,201
November	64.39	57.35	46.42	6,338,021	552,429	11,847
December	56.85	49.18	37.35	8,066,697	800,781	18,701
Large Meter Zone totals (Mcf)				**75,674,908**	**6,488,327**	**147,292**
Volume weighted average Zone temp (degrees F)	**62.78**	**57.71**	**43.58**			

The associated gas LUAF gain for large meters, as shown in calculation summary Table I-4, is -587,368 Mcf.

Table I-4

Months 2006 Size 4&up Meters	Zone 1 Monthly UAF %	Zone 2 Monthly UAF %	Zone 3 Monthly UAF %	Zone 1 Monthly UAF Volume (MCF)	Zone 2 Monthly UAF Volume (MCF)	Zone 3 Monthly UAF Volume (MCF)
January	0.555%	1.792%	4.446%	45634	13628	805
February	0.197%	1.356%	4.119%	14793	9289	719
March	1.074%	1.748%	5.026%	86998	12210	959
April	-0.040%	0.332%	3.072%	-2742	1722	491
May	-1.376%	-1.604%	1.296%	-80199	-6546	122
June	-2.716%	-2.958%	-0.724%	-139826	-11847	-51
July	-3.790%	-4.008%	-1.786%	-175726	-16114	-115
August	-2.891%	-2.956%	-0.996%	-133754	-11818	-65
September	-2.585%	-2.296%	-0.042%	-128244	-9561	-3
October	-1.342%	-0.551%	1.954%	-72983	-2455	180
November	-0.838%	0.513%	2.683%	-53093	2831	318
December	0.610%	2.126%	4.557%	49195	17028	852
	-0.780%	-0.025%	2.860%	-589,948	-1,632	4,212
Summary	UAF% Zone 1	UAF% Zone 2	UAF% Zone 3	Zone 1 UAF	Zone 2 UAF	Zone 3 UAF

2006 UAF Fixed T Large	**-587,368**	**1991 UAF Fixed T Large**	**-1,470,933**
2006 Vol by Zone MCF	**82,310,527**	1991 Vol by Zone MCF	83,268,184
2006 UAF % by Zone	**-0.71%**	1991 UAF % by Zone	-1.77%
2006 Avg. T Large	**63.72 F**	1991 Avg. T Large	69.2 F

Total 2006 SoCalGas Fixed Factor Temperature gas LUAF reduction for both small and large core meters combined was 1,539,192 Mcf.

SDG&E:
SDG&E gas LUAF contribution associated with Fixed Factor Temperature phenomena was calculated by applying SoCalGas Temperature zone data to SDG&E deliveries by-month to SDGE zone volumes. The computed average temperature for SDGE small meters was 61.5 degrees F, while the computed average for large meters was 62.79 degrees F. Table I-5 shows the results of the volume and zone temperature weighted calculations.

Table I-5
SDG&E 2006 LUAF Fixed Factor Temperature
Analysis – Average Gas Temperature Results.

Year 2006 SDG&E Avg T (degrees F)	64.54
Est. SDGE 2006 T vol wt Small Meters (deg F)	61.5
Est. SDGE % UAF Small Meter (1.5/520)	**-0.29%**
Est. SDGE 2006 T vol wt Large	62.79
Est. SDGE % UAF Large Meter (2.79/520)	**-0.53%**

Table I-6 below shows the calculated gas LUAF associated with fixed factor temperature billing phenomena for both small and larger meters. The associated volume weighted gas LUAF reduction is shown to be -83,731 for small meters and -92,486 for large core meters for a total LUAF reduction of 176,217 Mcf.

Table I-6

Fixed T Small Meters	**2006 Volume MCF**	**Fixed T Small UAF% SDGE 2006**	**SDG&E 2006 UAF Volume Mcf**
Small Diaphragm	28,709,290	-0.29%	-83,257
Small Diaphragm TG (Use SCG Small Meter UAF% Zone 2)	163,518	-0.29%	-474
Total Fixed T Small	28,872,808	-0.29%	-83,731
Fixed T Large Meters			
Large Diaphragm	3,441,982	-0.53%	-18,243
Rotary w/o TC	6,769,135	-0.53%	-35,876
Large Diaphragm TG	378,924	-0.53%	-2,008
Rotary TG w/o TC	5,789,354	-0.53%	-30,684
Turbine TG - no TC (Use SCG Large Meter UAF% Zone 2)	1,070,770	-0.53%	-5,675
Total Fixed T Large	17,450,165	-0.53%	-92,486
SDG&E UAF Fixed T 2006	46,322,973	**-0.38%**	**-176,217**

The allocation of Fixed Factor Temperature gas LUAF reduction is 100% to core customers for both SoCalGas and SDG&E, as non-core customers are equipped with temperature compensating metering devices.

APPENDIX J

Fixed Factor Pressure gas LUAF

The method for calculating LUAF contribution for this component was to apply measured 2006 regulator field pressure tests results and observed biases to fix-factor metered volumes for both SDGE and SoCalGas. These volumes were obtained from the CIS and CISCO billing systems. When the actual pressure delivered to a gas meter is higher than that assumed in fixed factor billing calculations, the associated gas meter under-registers by a small amount. In 2006, the net effect was to under-register by approximately 0.1%. This was due to average regulator standard pressure accounts being served at 8.51 inches water column while billing pressure was 8.0 inches. The results constitute an update of Table 3.1.2-1 in Volume III (Accounting-P.26) of the 1991 LUAF study. Fixed Factor Pressure gas LUAF contribution in that year was 271,007.

Year 2006 findings for small meter sets were based on 631 sampled regulators from a special field study and normal QC receiving inspection test results. Observed meter pressured biases were applied to associated customer volumes.

Table J-1 below shows the net Fixed Pressure gas LUAF contribution for SoCalGas to be 312,599 Mcf in 2006.

Table J-1

2006 UAF Summary SoCalGas Fixed-Factor Pressure for Standard Pressure and Temporary Gauge Meter Sets

Category	Avg Delivery Pressure (in. w.c.)	2006 Del Vol Sample TG Sets	2006 UAF Vol Sample Sets	Delivery Pressure Correction Factor	2006 System Delivery Volume (MCF)	2006 UAF Volume (MCF)
Small Meters 8" w.c.	*8.51	n/a	n/a	1.0012	237,276,951	290,892
Large Meters 8" w.c.	**8.40	n/a	n/a	1.0010	48,073,468	46,224
Temporary Gauge Sets	n/a	7,583,868	-13,600	0.9982	13,671,928	-24,518
2006 Totals				0.10%	299,022,347	**312,599**

SDG&E:
SDE&E Fixed Factor Pressure gas LUAF volumes were computed using SoCalGas and SDG&E regulator sampling results and applying them to SDG&E volumes subject to this phenomenon. The result is shown below in Table J-2 to be 50,035 Mcf.

Table J-2
2006 UAF Summary SDG&E Fixed-Factor Pressure for Standard Pressure and Temporary Gauge Meter Sets

SDG&E Fixed Factor Pressure	
SDG&E Volume Fixed Factor Pressure	50,035,048
Estimated SDG&E UAF% Fixed Factor Pressure	0.10%
SDG&E UAF MCF Fixed Factor Pressure	**50,035**

The allocation of Fixed Factor Pressure gas LUAF is 100% to core customers for both SoCalGas and SDG&E, as non-core customers are equipped with pressure measuring/compensating metering devices.

APPENDIX K

Elevation and Barometric Pressure gas LUAF

Elevation-based LUAF gas results from the elevation where customers actually are served, in the aggregate, being slightly different than the altitude assumed in their billing "altitude zone". When the aggregate of customers within a zone (@1000 ft or 400 foot increments) are situated at an altitude below the mean elevation of that zone (used for barometric pressure billing correction) customers on average are under-billed. When they reside above the elevation zone median, their delivered gas pressure is slightly less gas than assumed and thus a slight over-registration occurs. An analysis of each of SoCalGas elevation zone was performed in 1991 and discussed in Volume III (Measurement-P. 32) of the 1991 LUAF study. The associated LUAF results were contained in Tables 3.1.3-3 and 3.1.3-4 of that report. These results showed that customers were, on-average, situated slightly below their elevation zone mean resulting in higher delivery pressure than assumed.

SoCalGas 2006 data for this component was calculated by applying updated meter and load information for each Altitude Zone where statistical determination of customer elevation was performed in 1991. SoCalGas performed this update for both customers served at standard pressure and those served at above standard pressure but without site-specific barometric correction. The results are shown in Tables K-1 and K-2 for standard pressure and above standard pressure customers, respectively. Standard pressure customers are segregated into eight 1000 foot Altitude zone while above standard pressure customers are segregated into 16 zones of 400 foot increments.

Table K-1 shows the computed gas LUAF contribution of standard pressure meters to be 1,251,906 Mcf. There was a decrease in 2006 vs. 1991 UAF for Fixed Factor Elevation and Barometric Pressure due to a decrease in the volume delivered through both Standard Pressure and Above Standard Pressure meters using a fixed barometric pressure. More customers have electronic pressure correctors installed in 2006 than in 1991 and they also have site-specific barometric pressure data programmed into their correction device.

Table K-1
2006 UAF Summary Fixed-Factor Altitude Zone for Standard Pressure Meters

Altitude Zone	Feet Above Sea Level	No. Meters Per Zone	Recorded Volume (MCF) Per Zone	Assumed Altitude Factor For Zone	Apply 1991 Avg % UAF Per Meter In Zone	Total 2006 UAF Volume (MCF) Per Zone
A	Below 1000	4,301,206	184,783,983	1.000	0.52%	960877
B	1000 – 1999	899,042	41,606,532	0.968	0.73%	303728
C	2000 – 2999	164,668	8,334,536	0.935	-0.23%	-19169
D	3000 – 3999	11,402	600,500	0.903	0.17%	1021
E	4000 – 4999	12,453	685,266	0.871	-0.65%	-4454
F	5000 – 5999	12,678	843,134	0.841	0.00%	0
G	6000 – 6999	6,191	386,451	0.812	2.44%	9429
H	7000 – 7999	1,005	36,549	0.782	1.30%	475
	2006 Totals	5,408,645	237,276,951		0.53%	**1,251,906**
	1991 Totals	4,765,459	320,392,311			**1,695,949**

Table K-2 shows the 2006 gas LUAF contribution of above standard pressure meters as calculated by integrating the zone bias information from 1991 with 2006 customer data for the same regions. The result is a gas LUAF reduction of 46,188 Mcf for this set of customers. (They reside, in aggregate, above the mean elevation used for billing within their associated zone, resulting in measurement over-registration.)

Table K-2
2006 Fixed-Factor Elevation Zone LUAF for Above Standard Pressure Meters

Elevation Zone	Feet Above Sea Level	Std Barometric Pressure (psia)	No. Meters Per Zone	2006 Recorded Volume Per Zone (MCF)	Apply 1991 Avg % UAF Per Meter In Zone	Estimated 2006 UAF Volume Per Zone (MCF)
1	-200 to 199	14.73	6118	56,017,324	-0.07%	-39,212
2	200 to 599	14.53	4263	35,142,218	0.00%	0
3	600 to 999	14.32	2580	19,647,953	0.01%	1,965
4	1000 to 1399	14.12	1199	16,352,454	-0.02%	-3,270
5	1400 to 1799	13.92	478	3,787,988	0.03%	1,136
6	1800 to 2199	13.72	41	259,599	0.11%	286
7	2200 to 2599	13.53	216	1,218,916	-0.12%	-1,463
8	2600 to 2999	13.33	158	6,529,214	0.08%	5,223
9	3000 to 3399	13.14	22	2,514,964	-0.36%	-9,054
10	3400 to 3799	12.96	5	262,429	-0.14%	-367
11	3800 to 4199	13	20	153,441	-0.06%	-92
12	4200 to 4599	12.59	3	5,678	-0.52%	-30
13	4600 to 4999	12.41	6	7,202	-0.51%	-37
14	5000 to 5399	12.23	14	433,055	-0.29%	-1,256
15	5400 to 5799	12.06	3	3,196	0.12%	4
16	5800 to 6199	11.89	8	14,256	-0.15%	-21
17	6200 to 6599	11.72	0	0	0.00%	0
18	6600 to 6999	11.55	0	0	0.00%	0
19	7000 to 7399	11.39	0	0	0.00%	0
		2006 Totals	15,134	142,349,887	-0.03%	**-46,188**
		1991 Totals	15,279	413,752,364	-0.02%	-92,742

The total SoCalGas gas LUAF contribution associated with both standard and above standard pressure meters is 1,205,718 Mcf (1,243,910 MMBtu). Customer class allocation is 100% to core customers, as non-core customers have site-specific barometric pressure correction factors or absolute pressure data integrated into their electronic measurement computation processes, and thus have no part in this LUAF component.

SDG&E:
SDG&E LUAF contribution due to Elevation and Barometric Pressure measurement phenomena for both standard and above standard meters is shown in Table K-3 below to be 194,497 Mcf. This figure was calculated by applying SoCalGas' Altitude A and Elevation Zone 1 biases to SDG&E volumes in comparable geographic regions.

Table K-3

SDG&E Fixed Altitude Zone-standard pressure	
SDG&E Volume Fixed Altitude Zone (MCF)	39,207,013
Est. SDG&E UAF% Fixed Altitude Zone A (Below 1000 ft)	0.52%
SDG&E UAF MCF Fixed Altitude Zone	203,876
SDGE Fixed Factor Elevation Zone Above Standard Pressure	
SDGE Fixed Factor Elevation Zone Volume (MCF)	13,398,598
Est. SDGE UAF% Fixed Elevation Zone 1 (SDGE assumes Zone 1)	-0.07%
SDGE UAF MCF Fixed Elevation Zone 1	-9,379
Total SDGE UAF MCF Fixed Factor Altitude & Elevation Zone	**194,497**

The SDG&E Fixed Factor Elevation gas LUAF contribution customer allocation is 100% to core customers.

APPENDIX L

Fixed Factor Calculation of Super Compressibility

The 1991 Fixed Factor Calculation of Super Compressibility gas LUAF % is shown in 1991 LUAF Measurement report Table 3.1.4-2. SoCalGas' 2006 update to this Table, shown in Table L-1, incorporates a measured 2006 average gas temperature of 63.72 degrees F and a much smaller volume of customer volumes subject to this volume due to changes in employed measurement technology. Another source of improvement is better data used for N2 and CO2 factors for Super compressibility calculation. Electronic Correctors assumed 0% CO2 and N2 in 1991, while values closer to actual gas content in are now incorporated into billing processes.

Year 2006 LUAF% for Super compressibility bias was calculated and applied to the 2006 Volumes for the following two categories of meter sets where Super Compressibility is still calculated using fixed values for Temperature and Gas Quality: Temporary Gauge and Electronic Corrector-served customers. The total gas LUAF contribution related to Super compressibility factor bias is shown in Table L-1 to be a LUAF reduction of 44,947 Mcf (46,371 MMBtu).

The large decrease in 2006 vs. 1991 gas LUAF over-registration bias (425,932 vs. 44,947 Mcf) for Fixed Factor Calculation of Super Compressibility was attributable to SoCalGas' use of actual temperature, pressure and gas quality when calculating corrected volume starting in 1999 for all non-core meters sets except those with Temporary Gauges and Electronic Correctors. Thus, the volumes subject to super-compressibility calculation bias has decreased substantially.

Table L-1
SoCalGas Fixed Super Compressibility gas LUAF contribution

Fixed Super Calc Meter Sets	2006 Billing Volume (MCF)	2006 Calc'd %UAF	2006 UAF Volume (Fixed Factor Super Calc)
Temporary Gauges See Note 1	13,671,928	-0.04%	-4,785
Electronic Correctors See Note 2	22,311,895	-0.18%	-40,161
2006 Total (Actual T 2006 = 63.7) (Billing T 2006 = 60 F)	35,983,823	-0.12%	**-44,947**
1991 Totals	159,387,774	-0.27%	**-425,932**

Note 1: Temporary Gauges Billing & Actual Assume SG=0.5918; N2=1.592;CO2=1.507
Note 2: Electronic Correctors Billing Assumes SG=0.6 and N2=CO2=0.0
Electronic Correctors Actual Assumes same values listed in Note 1.

SDG&E

SDG&E LUAF for this component was calculated by applying SoCalGas calculate bias to SDG&E volumes subject to the same measurement imperfections. The result, shown in Table L-2, is a gas LUAF reduction of -16,164 Mcf (16,445 MMBtu) for SDG&E in 2006.

Table L-2

SDG&E Fixed Factor Super Compressibility	
SDG&E Volume Fixed Factor Super Compressibility	13,469,812
Estimated SDG&E UAF% Fixed Factor Super	-0.12%
SDG&E UAF MCF Fixed Factor Super Compressibility	**-16,164**

The allocation of Fixed Factor Super compressibility gas LUAF is 100% to core customers for both SoCalGas and SDG&E, as non-core customers are equipped with gas quality and temperature devices used to calculate real-time compressibility factors.

APPENDIX M

2006 UAF Estimate in Reference to 1991 Assessment
PD Meter Accuracy

I. Introduction

PD Meter is the abbreviation for Positive Displacement Meter. A PD gas meter is a diaphragm-operated or rotary device that is designed to measure a specific volume of gas in one cycle. These finite volumes are counted and displayed on the meter's index dials or counters.

PD meters are classified by three major meter groups:
1. Small diaphragm meters (up to 500 CFH or Sizes 1, 2 and 3).
2. Large diaphragm meters (500 CFH or larger, Size 4 and larger).
3. Rotary meters.

The meter accuracy, either under or over volume registration, of all 5.4 million PD meters collectively contributed a significant amount of LUAF in 2006.

II. PD Meter Accuracy

The accuracy profile is a function of the flow rate. To assess the consumption behavior of small meter accounts, SoCalGas conducted an extensive study in 1991 to identify the gas consumption volume at various flow rates for Company six weather zones. The small meter accuracy curves were also developed for a few meter types by using eight flow rates. The LUAF was derived from the integration of these two sets of data. Another LUAF contributor – no registration at low flow, was also quantified for small diaphragm meters.

At the same time, the LUAF from the large PD and rotary meters was calculated from 1991 PMC results. Volume III (Accounting-P.59) of the 1991 LUAF study discusses the PD Meter gas LUAF contribution of 2,957,299 Mcf in that year.

III. 2006 Method for SoCalGas LUAF

The 1991 LUAF study was a major company wide effort in SoCalGas and took two years to complete. It laid out a format that was used for 2006 assessment. A benefit from adopting the 1991 format was that many studies completed for the 1991 LUAF assessment were still valid for 2006. The parameters developed and used in 1991 were used in 2006. Only certain major factors had to be updated with 2006 data. The following 1991 parameters were adopted for 2006:

1. The consumption volume % vs. flow rates was unchanged.
2. The accuracy curve for various flow rates was true because the PD meter technology had not changed since 1991.
3. The no registration at low flow was true because of the same reason as (2).

IV. 2006 Update for SoCalGas LUAF

Similar to the 1991 study, the LUAF contributed by PD meter accuracy was the sum of two parts:

1. Small meter low flow non-registration.
2. Meter accuracy calculated from the annual Meter Performance Control Program (MPCP) testing results.

To make the assessment comparable to the 1991 results, all PD meters, their annual volume delivery, and MPCP testing results were summarized by major PD meter types. Then, the same calculation routines used in 1991 were also applied to compute the associated 2006 LUAF volumes.

V. 2006 Results for SoCalGas

The 2006 LUAF contributed by PD meters is summarized in the following table.

Table M-1

Study Area	Core UAF (MCF)	Non-Core UAF (MCF)	All Accounts UAF (MCF)
Small Meter Accuracy	-202,179	-7	-202,187
Small Meter Low-Flow Non-Registration	2,596,677	4	2,596,681
Large Diaphragm Accuracy	921	1	922
Rotary meter Accuracy	-150,654	-283	-150,937
Total PD Meter UAF	**2,244,765**	**-286**	**2,244,479**

In 1991, the PD meter LUAF was 2,957,299 MCF. There was some reduction in 2006. It was due to the meter demographics changes that had occurred in the past 15 years. The following were observed in the data:

1. The tin meter population was reduced from 827,000 in 1991 to 132,000 in 2006. The tin meter was a positive LUAF contributor.
2. Aluminum meters had increased and become the dominant group in the past 15 years. The population had grown from 2.4 million in 1991 to 4.1 million in 2006. It was a negative LUAF contributor.
3. The large diaphragm meters were decreased and replaced by rotary meters in the last 15 years. The large diaphragm meters were positive LUAF contributors while rotaries were negative. However the LUAF of large PD meters was improved in 2006. It was due to two reasons:

(a) Better testing technologies and procedures were developed for rotary meters.
(b) Aluminum bodies replaced iron bodies for rotary meters. It improved the meter accuracy.

VI. 2006 LUAF Assessment for SDG&E

SDG&E has not assessed PD meter LUAF in the past. There is no format that can be adopted for 2006 update. To make a logical assessment, the SoCalGas framework was used for 2006. It is based on the following facts:

1. SDG&E uses the same meter technologies as SoCalGas.
2. Meters used by SDG&E have the same performance profile as SoCalGas'.
3. The consumption behavior of SDG&E's residential customers is the same as SoCalGas'.

Table M-2 below shows the results for SDG&E.

Table M-2

Study Area	Core UAF (MCF)	Non-Core UAF (MCF)	All Acounts UAF (MCF)
Small Meter Accuracy	53,388	0	53,388
Small Meter Low-Flow Non-Registration	371,438	0	371,438
Large Diaphragm Accuracy	19,883	0	19,883
Rotary meter Accuracy	99,140	370	99,510
Total PD Meter UAF	**543,849**	**370**	**544,219**

The allocation of PD Meter LUAF is virtually 100% to core customers for both SoCalGas and SDG&E based on the 2006 volumes passing though these meters to serve each customer type.

APPENDIX N

Orifice Meter Accuracy

Orifice meters are used for major customer deliveries, interstate supply, local gas production (supplies) and storage gas measurement. The 1991 LUAF study Measurement Volume discusses Orifice Meter Accuracy and its LUAF contribution of 5,849,534 Mcf in that year. The 1991 results are summarized in Table N-1 below.

Table N-1

Orifice Meter Category	1991 Volume	1991 UAF%	1991 UAF (Mcf)
Supplier	963,052,498	0.80%	7,704,420
Producer	95,527,528	0.30%	286,583
Delivery	364,526,676	-0.58%	-2,114,255
Storage Withdrawal	95,290,197	0.33%	314,458
Storage Injection	103,536,910	-0.33%	-341,672
1991 Totals	**1,621,933,809**	**0.36%**	**5,849,534**

In reviewing the 1991 UAF Study (Table 3.2.2-1 of the Measurement Report) it was determined that 1991 calculated gas LUAF contributions were no longer applicable and should be recalculated for Orifice Meter Accuracy. Year 2006 supplier and customer orifice meter volumes are 50% less than what they were in 1991. The reduced volume is now being measured by ultrasonic meters. In addition, 2 of the 5 sampled supplier orifice meter runs and 11 of the 15 sampled Customer orifice meter runs in the 1991 UAF Study have been removed from service. Moreover, SoCalGas testing on a removed 12" and 16" Customer Orifice Meter tube in 2006 confirmed that both meters runs under-measured by 0.8% and 0.3% respectively. 2006 Billing Volumes for Customer, Producer, Supplier and Storage Withdrawal and Injection Meters were obtained from MCS. The 2006 Orifice Meter test results were used to calculate an estimated average orifice meter error for the different categories of orifice meters. Table N-2 below shows the 2006 contribution to LUAF by meter use category.

Table N-2
2006 Meter Accuracy Contribution to Total Measurement UAF

Orifice Meter Category	2006 Volume	Meter Accuracy	UAF %	UAF Volume
Supplier	620,936,012	slow meter	0.62%	3,835,149
Producer	50,799,175	slow meter	-0.50%	-253,996
Delivery	115,607,670	slow meter	0.50%	578,038
Storage Withdrawal	90,112,226	slow meter	-0.50%	-450,561
Storage Injection	85,743,196	slow meter	0.50%	428,716
2006 Totals	963,198,279		0.43%	**4,137,346**

SDG&E:
SDG&E allocations are based on SoCalGas' test results and SDGE 2006 volumes by meter service. Table N-3 shows the summary of these calculations and the SDG&E gas LUAF contribution of -26,052 Mcf, a net reduction in LUAF for 2006.

Table N-3

SDG&E Orifice Meter Accuracy

SDG&E 2006 Orifice Meter Volume Supplier (UAF% = -0.5%)	5,453,992
SDG&E 2006 Orifice Meter Volume Customers (UAF% = +0.5%)	243,680
SDG&E 2006 UAF Volume (MCF) Suppliers	-27,270
SDG&E 2006 UAF Volume (MCF) Customers	1,218
SDG&E 2006 UAF Volume - Orifice Meter Accuracy	**-26,052**

The allocation of orifice meter gas LUAF to customer class was based on calculations which assigned supply volumes to core and non-core by aggregate use, while the Delivery/Customer volumes were assigned exclusively to non-core customers, the only customers served by orifice meters. The results are SoCalGas non-core - 69.9%, core 30.1%; SDG&E non-core - 57.6%, core 42.4%.

APPENDIX O

Ultrasonic Meter Accuracy

There were no Ultrasonic Meters installed in 1991. The computation of Ultrasonic meter gas LUAF contribution was completed using the gas LUAF% meter factors shown in Table O-1 below and applying these projected meter registration deviations to 2006 volumes for all company and supplier ultrasonic meters. The UAF% factors are based on test results and industry information on the types of meters used by SoCalGas and its suppliers. Table O-1 shows over-registration on both the supply and delivery side for SoCalGas, with the net effect a 205,780 Mcf reduction to LUAF on the SoCalGas system.

Table O-1

Ultrasonic Meter Category	2006 Volume	Meter Accuracy	UAF %	UAF Volume
Supplier (see below)	275,504,405	fast meter	0.22%	597,867
Delivery - Customer (see below)	225,360,905	fast meter	-0.36%	-803,861
Storage W/D Daniel Mtr PDR	3,270,934	fast meter	0.13%	4,252
Storage Injection Daniel Mtr PDR	3,106,221	fast meter	-0.13%	-4,038
2006 Totals	507,242,465		-0.04%	**-205,780**

SDG&E:
SDG&E Ultrasonic meter LUAF contribution is based on a SoCalGas test results, specific meter activity and SDGE 2006 volumes by meter service. Table O-2 shows the summary of these calculations and the SDG&E gas LUAF contribution of 509,059 Mcf in 2006.

Table O-2

SDG&E Ultrasonic Meter Data	
SDG&E 2006 Ultrasonic Meter Volume Supplier (Mcf)	113,952,358
SDG&E 2006 Ultrasonic Meter Volume Customer (Mcf)	30,351,489
SGG&E Ultrasonic Meter LUAF Contribution	
SDG&E 2006 UAF Volume (MCF) Suppliers (UAF% = +0.5%)	569,762
SDG&E 2006 UAF Volume (MCF) Customers (UAF% = -0.2%)	-60,703
SDG&E 2006 UAF Volume Contribution from Ultrasonic Meters-total	**509,059**

The 2006 allocation of ultrasonic meter gas LUAF to customer class is based on calculations which assigned supply volumes to core and non-core by aggregate use, while the Delivery/Customer volumes were assigned exclusively to non-core customers, the only customers served by ultrasonic meters. The results are SoCalGas - non-core - 441,216 MMBtu (credit) due to over registration, core - 228,963 MMBtu LUAF contribution. SDG&E non-core - 232,171 MMBtu, core 285,739, both LUAF contributions.

APPENDIX P

Turbine Meter Accuracy

Turbine meters are used by both companies to serve mainly non-core customers. Volume III (Accounting-P.99) of the 1991 LUAF study discusses Turbine Meter Accuracy and its LUAF contribution of -912,157 Mcf in that year. As in 1991, this gas LUAF component is based on the results of lab calibration tests for meters removed from service and includes field calibration (Aux factors) which now places the lab calibration bias number in the field devices to provide true zero meter registration upon installation. Table P-1 below shows the results of turbine meter tests in 2006 to average 0.39% over registration across the different types of meters. Overall these results show a slight increase from 1991.

Table P-1
2006 and 1991 LUAF factors for turbine meters from test data

SoCalGas Company	UAF Factor W/ Aux Factor	UAF Factor W/O Aux Factor	1991 Report	Diff
AAT-18	-0.15%	-0.10%	-0.10%	**0.05%**
AAT-30	-0.29%	-0.24%	-0.26%	**0.03%**
AAT-60	-0.11%	-0.36%	-0.44%	**-0.33%**
AAT-140	-0.69%	-0.27%	-0.45%	**0.24%**
Other Types	-0.39%	-0.40%	-0.41%	**-0.02%**
System UAF	**-0.39%**	**-0.40%**	**-0.34%**	**0.05%**

Table P-2 below shows the integration and application of individual turbine meter species' test results to the SoCalGas customer volumes associated with these meter types. The net result is a volume-weighted 0.28% over registration for all turbine meter volumes. This equates to 797,839 in over registration and associated reduction in LUAF.

Table P-2
2006 Gas LUAF for SoCalGas Turbine meters by type.

	2006 Sample Meters			Total 2006 System	
SoCalGas Sample Meter Volumes Meter Type	Recorded Volume (MSCF)	UAF Volume (MCF)	UAF Factor	Recorded Volume MSCF	UAF Volume (MSCF)
AAT-18	14,726,622	(22,515)	-0.15%	41,271,763	(63,100)
AAT-30	7,630,933	(21,877)	-0.29%	39,880,742	(114,335)
AAT-60	10,771,986	(11,639)	-0.11%	37,532,194	(40,554)
AAT-140	9,250,414	(63,970)	-0.69%	81,176,600	(561,367)
Other Types			-0.28%	6,600,752	(18,482)
Totals:	42,379,955	(120,002)		206,462,051	(**797,839**)
Average Sample UAF Factor =		-0.28%	Average System UAF Factor =		-0.39%
			1991 Average System UAF Factor =		-0.34%

SDG&E:
San Diego Gas & Electric's turbine meter associated LUAF was based on a similar methodology to SoCal Gas and also compensated for the fact that SDG&E does not include a meter aux factor in its field configuration. Table P-3 shows the result of 73,178 Mcf over-registration based on SDGE meter test results of 0.23% over-registration. This bias was applied to SDG&E 2006 turbine meter volumes.

Table P3

	2006 Sample Meters			Total 2006 System	
SDG&E Sample Meter Volumes	Recorded Volume (MSCF)	UAF Volume (MCF)	UAF Factor	Recorded Volume MSCF	UAF Volume (MSCF)
Totals:	42,403,990	(95,967		32,334,490	**(73,178)**
Average Sample UAF Factor =		-0.23%	Average System UAF Factor =		-0.23%

The allocation of Turbine Meter gas LUAF is 97.33% to non-core for SoCalGas and 96.69% to non-core for SDG&E based on turbine meter volumes per core vs. non-core customers. Nearly all turbine meters serve non-core customers in both companies.

APPENDIX Q

Instrument Calibration Bias Gas LUAF Component

Electronic instruments are used on approximately 10,000 SoCalGas customer accounts to correct for temperature, pressure and/or gas quality. The calibration of these devices can shift between scheduled calibration periods. Instrument Calibration Bias gas LUAF contribution is calculated from actual field audits performed in 2006 (using "as-found" data) for customer, supplier and storage meters where electronic correction is performed, and now includes the sub-component Ambient Temperature Effect on Instrumentation.

Table Q-1 shows the result of SoCalGas' calibration as-found results by major instrument type in 2006. This table also contains the volumes served by these instruments and the calculated contribution to LUAF in 2006. The SoCalGas total is -261,961 Mcf, a net LUAF reduction.

Table Q-1

Customer Other than orifice and ultrasonic:			error%
Temporary Gauges	15,486,336	-2,113	-0.01%
MINI-AT	82,152,739	99,424	0.12%
ECAT	42,501,793	-44,167	-0.10%
TOC	52,022,099	-9,403	-0.02%
OMNI	72,462,221	31,254	0.04%
Totalflow	58,766,964	-4,923	-0.01%
GM	2,700,154	-2,713	-0.10%
Subtotal	**326,092,307**	**67,359**	**0.03%**
Ultrasonic Meters			
Supplier	275,504,405	-118,828	-0.04%
Customer	225,360,904	97,200	0.04%
Subtotal	**500,865,309**	**-21,627**	**0.00%**
Orifice Meters			
Supplier	620,936,012	-335,325	-0.05%
Producer	50,799,175	-27,433	-0.05%
Customer	115,607,670	62,432	0.05%
Subtotal	**787,342,857**	**-300,326**	**-0.04%**
Ultrasonic Meters			
Injection	3,106,221	-1,340	-0.04%
Withdrawal/Injection	3,270,934	1,411	0.04%
Subtotal	**6,377,155**	**71**	**0.00%**

Orifice Meters				
Injection	85,743,196	-46,304		-0.05%
Withdrawal/Injection	90,112,226	38,866		0.05%
Subtotal	**175,855,422**	**-7,438**		**0.00%**
Total	**1,796,533,050**	**261,961**	**Wt Avg**	**0.015%**

The SoCalGas allocation is 99% to the non-core customer class based on weighted delivered volume considerations. Core allocation is 1%.

SDG&E:
SoCalGas' average recorded instrument error of 0.015% (over-registration) was applied to associated SDG&E customer and supply meters to compute the 2006 Instrument Bias gas LUAF component for SDG&E. There are many similar electronic instruments used between the companies. The results are shown in the Table Q-2 below to be an 11,325 Mcf reduction to gas LUAF. The allocation is 89% to the non-core customer class based on weighted volume considerations. Core allocation is 11%.

Table Q-2
SDGE instrument bias

SD Instrument Volumes

				Split	
Noncore		68,460,246	Noncore		89.04%
			Core		10.96%
Core	Rotary TG w/ TC	4,425,025	Total		
Core	Rotary w/Instrum	2,641,777			
Core	Rotary w/TC	286,606			
Core	Turbine	1,070,770			
			Groups with Instruments		76,884,424
Total		76,884,424	Core	Standard Groups	39,207,012
				Total MCF	116,091,437
Bias		-0.015%			
Error		(11,325)			
LUAF		**(11,325)**			

APPENDIX R
Ambient Temperature Effect on Instrumentation

Ambient Temperature Effect on Instrumentation – Ambient temperature effect is now included in the subcomponent “Instrument Calibration Bias” for both companies.

APPENDIX S
Chart Integration Bias

Measurement pen chart technology has been replaced by electronic measurement for both SoCalGas and SDG&E since 1991. There is no 2006 measurement component for either company.

APPENDIX T/U

Distribution and Transmission Leakage

This Appendix contains the results for both Distribution and Transmission gas LUAF leakage calculations for SoCalGas and SDG&E in 2006. This is leakage resulting from pipeline gas escape and gas blow-by events from gas compression operations which are otherwise neither metered nor form-reported for inclusion as "Company Use" in SDG&E's and SoCalGas' accounting systems.

Raw Data Sets for Distribution and Transmission and distribution pipeline leak contribution to gas LUAF are shown in Table T/U-1.

Table T/U-1
SoCalGas/SDG&E Base Leak data and volumetric LUAF contribution.

	DATA SETS			
Item	**Description**	**value**	**unit**	**DATA NOTES:**
A	SoCalGas Transmission Line Miles from 1991 LUAF report	4000	miles	report rounded to 4000
B	SoCalGas Transmission Line Miles from 2006 Annual Report to CPUC	3926	miles	
C	SoCalGas Distribution main miles 2006 Annual CPUC report	46711	miles	
D	SDGE Transmission Line Miles from 2006 Annual Report to CPUC	240	miles	
E	SDGE Distribution main miles 2006 Annual CPUC report	8189	miles	
F	1991 SoCalGas Tranmsmission pipeline leak volume	9135	Mcf	
G	2006 Transmission Compressor Station Leakage (Mejia)	20789	Mcf	2006 runtime with 1991 factors per unit
H	2006 SDGE Compressor Station Leakage (Mejia)	1129	Mcf	2006 runtime with SCG 1991 factors per comparable SCG unit in 1991
I	2006 Distribution Leak data - Gas Engineering (Schneider/Newton)	566861	Mcf	2006 newly developed data-Gas Engineering report

Updated 2006 calculations for leakage associate with compressor station operation for both SDG&E and SoCalGas are show in Table T/U-2. This Table shows the 2006 run hours for each station and the hourly leak factors used to calculate leakage for each company. The results show the SoCalGas gas LUAF contribution to be 20,789 Mcf from compressor station operation, while the SDG&E sub-component is 1129 Mcf.

Table T/U-2
Compressor Station 2006 Leak Contributions to LUAF in MCF- SoCalGas and SDG&E

	CFH/Unit	2006 hours	MCF Gas
Turbines			
Kelso	1,824	851	1552
Cactus City	1200	0	0
Desert Center	1500	0	0
Adelanto	2150	0	0
Wheeler Ridge	91.2	4569	417
		Turbines =	1969
Reciprocating Compressors			
South Needles	240.1	39482	9480
North Needles	380	5320	2022
Newberry	240.1	27164	6522
Blythe	38	16690	634
Ventura High-P	34	4789	163
Ventura Low-P	3	0	0
Sylmar	34	0	0
SoCalGas Total:		98865	**20789**
SDGE			
Moreno -recip	38	9410	358
Moreno-Turb	91.2	8393	765
Rainbow	38	149	5.662
SDGE Total		17952	**1129**

Table T/U-3 shows the 2006 compilation results for Transmission and Distribution leakage for both SDG&E and SoCalGas. The SoCalGas Distribution leak total (566,861 Mcf) is taken directly from a Gas Engineering report using updated 2006 pipeline leakage data. SDG&E distribution leakage was computed by scaling the SoCalGas result using relative distribution pipeline mileage between the two companies. The SDG&E 2006 result for distribution leakage gas LUAF contribution is 99,378 Mcf.

The total Transmission Leak gas LUAF component is the sum of compressor station leakage and computed transmission line leakage for each company. The totals are shown below under items 3 and 4 as 29,755 Mcf for SoCalGas and 2,948 Mcf for SDG&E.

Table T/U-3

Item	LUAF Component in 2006	Value	Unit	Notes on Calculation/Source
1	SoCalGas Distribution Leak Mcf	566,861	Mcf	Data from Gas Engineering 2006 Calculation
2	SDGE Distribution Leak Mcf	99,378	Mcf	Use SCG 2006 calc and apportion based on Distribution Main miles SDGE/SC
3	SoCalGas Transmission Leak Mcf	29,755	Mcf	Compressor Station Plus Pipeline Use 1991 factors with 2006 runtime
4	SDGE Transmission Leak Mcf	2,948	Mcf	Use SCG and ratio of SDGE/SCG transmission line mileage and new 2006 Compressor run time with 1991 factors

Allocation of system leak gas LUAF contribution to customer class is based on which pipelines are used to serve customers on a volume-weighted basis. Transmission leakage is a component fully shared by core and non-core customer classes based on the ratio of delivered energy to these customer classes (every customer essentially uses transmission lines.) The allocations for transmission leakage are SDG&E: core- 40.55%, non-core 59.55%; SoCalGas: core - 37.1%, non-core - 62.9%.

Distribution leak allocation is based on the proportion of customer volumes which are served via distribution lines. All core customers and a subset of non-core customers are served by distribution pipelines. The allocation for distribution leakage is 76.48% core and 23.52% non-core for both companies.

APPENDIX V

Theft

Two calculation methods were used in the 1991 study and the method with the larger amount of LUAF was chosen. After updating these calculations for customer growth and other factors, an average of the two calculation methods was used for this revision resulting in a slight decrease in the percentage of this sub-component. This component was estimated for SDG&E based on SoCalGas' proportion of LUAF for the same category using SDG&E volumes. Table V-1 below shows the SoCalGas result to be 397,288 Mcf while Table V-2 shows the SDGE component to be 54,134 Mcf.

Table V-1
SDG&E Theft Calculation Sheet

	Residential		Non-Residential	
	1991	2006	1991	2006
Customers	4,430,000	5,367,739	218,669	268,556
customers who steal	3,207	3,886	592	728
% customers who steal	0.072%	0.072%	0.271%	0.271%
Ave Gas Stolen/convicted cust	71.4	69.24	333.3	176.23
Total Stolen MCF	228,980	269,067	197,460	128,221
Percent of Total	54%	68%	46%	32%
2006 Total Stolen MCF	**397,288**			

Table V-2
SDG&E Theft Calculation Sheet

	Residential		Non-Residential	
	SoCal 1991	SD 2006	SoCal 1991	SD 2006
Customers	4,430,000	802,140	218,669	29,167
customers who steal	3,207	581	592	79
% customers who steal	0.072%	0.072%	0.271%	0.271%
Ave Gas Stolen/convicted cust	71.4	69.24	333.3	176.23
Total Stolen MCF	228,980	40,209	197,460	13,926
Percent of Total	54%	74%	46%	26%

Total Stolen MCF	**54,134**

Residential theft was assigned to core market while non-residential theft has been allocated to non-core customers for both companies. The results are: SoCalGas Core - 68%, non-core 32%; SDG&E core 74%, non-core 26%.

APPENDIX W

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