

2026 CALIFORNIA GAS REPORT WORKPAPERS

REDACTED VERSION



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FORECAST OF REQUIREMENTS
AVERAGE TEMPERATURE YEAR SUMMARY

TABLE 1-SCG

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2026 THRU 2030

AVERAGE TEMPERATURE YEAR

LINE		2026	2027	2028	2029	2030	LINE
CAPACITY AVAILABLE							
1	California Line 85 Zone (California Producers)	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	2
	Out-of-State Gas						
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN							
8	California Source Gas ^{5/}	57	57	57	57	57	8
9	Out-of-State	2,150	2,083	2,023	1,988	1,944	9
10	TOTAL SUPPLY TAKEN	2,207	2,140	2,080	2,045	2,001	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,207	2,140	2,080	2,045	2,001	12
REQUIREMENTS FORECAST BY END-USE ^{7/}							
13	CORE ^{8/} Residential	572	564	554	548	540	13
14	Commercial	211	207	202	199	196	14
15	Industrial	50	49	49	48	47	15
16	NGV	62	64	65	66	65	16
17	Subtotal-CORE	895	884	870	860	849	17
18	NONCORE Commercial	49	49	48	48	48	18
19	Industrial	361	359	356	354	352	19
20	EOR Steaming	16	15	14	13	12	20
21	Electric Generation (EG)	509	459	424	409	386	21
22	Subtotal-NONCORE	935	881	842	823	798	22
23	WHOLESALE & Core	201	200	199	198	198	23
24	INTERNATIONAL Noncore Excl. EG	24	24	24	23	23	24
25	Electric Generation (EG)	124	122	118	113	108	25
26	Subtotal-WHOLESALE & INTL.	349	346	340	335	329	26
27	Co. Use & LUAF	29	28	27	27	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,207	2,140	2,080	2,045	2,001	28
TRANSPORTATION AND EXCHANGE							
29	CORE All End Uses	80	81	80	80	79	29
30	NONCORE Commercial/Industrial	410	408	405	402	400	30
31	EOR Steaming	16	15	14	13	12	31
32	Electric Generation (EG)	509	459	424	409	386	32
33	Subtotal-RETAIL	1,015	962	923	903	877	33
34	WHOLESALE & INTERNATIONAL All End Uses	349	346	340	335	329	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,363	1,308	1,263	1,238	1,206	35
CURTAILMENT (RETAIL & WHOLESALE)							
36	Core	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Strn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.1 1.1 1.0 0.9 0.9 gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 836.0 824.6 810.5 800.6 789.8

TABLE 2-SCG

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2031 THRU 2040

AVERAGE TEMPERATURE YEAR

LINE		2031	2032	2033	2035	2040	LINE
CAPACITY AVAILABLE							
1	California Line 85 Zone (California Producers)	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	2
	Out-of-State Gas						
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN							
8	California Source Gas ^{5/}	57	57	57	57	57	8
9	Out-of-State	1,926	1,899	1,886	1,839	1,828	9
10	TOTAL SUPPLY TAKEN	1,983	1,956	1,943	1,896	1,885	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	1,983	1,956	1,943	1,896	1,885	12
REQUIREMENTS FORECAST BY END-USE ^{7/}							
13	CORE ^{8/} Residential	532	523	518	506	479	13
14	Commercial	194	191	189	184	172	14
15	Industrial	47	46	46	44	42	15
16	NGV	64	61	58	49	66	16
17	Subtotal-CORE	836	821	810	783	759	17
18	NONCORE Commercial	48	48	48	48	48	18
19	Industrial	350	347	345	340	339	19
20	EOR Steaming	11	10	10	8	6	20
21	Electric Generation (EG)	390	390	394	393	407	21
22	Subtotal-NONCORE	798	795	797	790	799	22
23	WHOLESALE & Core	197	196	196	195	198	23
24	INTERNATIONAL Noncore Excl. EG	23	23	23	23	23	24
25	Electric Generation (EG)	103	96	91	80	82	25
26	Subtotal-WHOLESALE & INTL.	323	314	310	298	303	26
27	Co. Use & LUAF	26	26	25	25	25	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	1,983	1,956	1,943	1,896	1,885	28
TRANSPORTATION AND EXCHANGE							
29	CORE All End Uses	77	75	73	67	75	29
30	NONCORE Commercial/Industrial	398	395	393	388	386	30
31	EOR Steaming	11	10	10	8	6	31
32	Electric Generation (EG)	390	390	394	393	407	32
33	Subtotal-RETAIL	876	870	870	857	874	33
34	WHOLESALE & INTERNATIONAL All End Uses	323	314	310	298	303	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,199	1,185	1,180	1,154	1,176	35
CURTAILMENT (RETAIL & WHOLESALE)							
36	Core	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Strn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.8 0.8 0.7 0.5 gas procurement by the City of Long Beach

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

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

778.4 764.8 756.4 735.1 702.2

FORECAST OF REQUIREMENTS
AVERAGE TEMPERATURE YEAR DETAIL

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2026

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,617	2,620	2,239	1,892	1,745	1,805	2,009	2,052	1,965	1,914	2,200	2,762	2,150	9
10	TOTAL SUPPLY TAKEN	2,674	2,677	2,296	1,949	1,802	1,862	2,066	2,109	2,022	1,971	2,257	2,819	2,207	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,674	2,677	2,296	1,949	1,802	1,862	2,066	2,109	2,022	1,971	2,257	2,819	2,207	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	944	874	713	529	407	381	349	335	329	394	642	986	572	13
15	Commercial	267	263	238	211	187	179	167	164	166	187	220	284	211	14
16	Industrial	50	56	52	51	49	46	45	46	48	52	54	53	50	15
17	NGV	61	67	61	63	61	63	61	61	63	61	63	61	62	16
17	Subtotal-CORE	1,321	1,260	1,063	853	703	669	623	605	606	693	979	1,384	895	17
18	NONCORE														
19	Commercial	56	57	53	49	44	41	38	40	52	48	50	58	49	18
20	Industrial	363	374	366	362	366	359	360	373	365	341	355	351	361	19
21	EOR Steaming	16	16	16	16	16	16	16	16	16	16	16	16	16	20
22	Electric Generation (EG)	436	538	395	316	353	451	655	704	633	561	525	539	509	21
22	Subtotal-NONCORE	871	985	830	742	779	866	1,070	1,133	1,066	965	945	964	935	22
23	WHOLESALE & INTERNATIONAL														
24	Core	285	265	252	210	177	173	157	147	143	162	179	267	201	23
25	Noncore Excl. EG	27	26	25	26	23	23	21	23	22	23	24	24	24	24
26	Electric Generation (EG)	135	107	96	94	95	107	169	174	159	101	100	144	124	25
26	Subtotal-WHOLESALE & INT	447	398	373	329	295	302	347	343	324	286	303	435	349	26
27	Co. Use & LUAF	35	35	30	25	23	24	27	27	26	26	29	37	29	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,674	2,677	2,296	1,949	1,802	1,862	2,066	2,109	2,022	1,971	2,257	2,819	2,207	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
30	All End Uses	92	95	86	80	74	73	70	69	71	74	84	96	80	29
31	NONCORE														
32	Commercial/Industrial	420	431	420	410	411	400	399	413	417	389	405	409	410	30
33	EOR Steaming	16	16	16	16	16	16	16	16	16	16	16	16	16	31
34	Electric Generation (EG)	436	538	395	316	353	451	655	704	633	561	525	539	509	32
35	Subtotal-RETAIL	963	1,080	915	822	853	939	1,140	1,202	1,137	1,040	1,029	1,059	1,015	33
34	WHOLESALE & INTERNATIONAL														
35	All End Uses	447	398	373	329	295	302	347	343	324	286	303	435	349	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,410	1,478	1,288	1,151	1,149	1,241	1,486	1,545	1,461	1,326	1,332	1,494	1,363	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

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

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,261 1,195 1,003 793 646 612 567 550 549 635 919 1,322 836

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2027

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,604	2,444	2,144	1,882	1,710	1,741	1,892	1,972	1,894	1,843	2,145	2,736	2,083	9
10	TOTAL SUPPLY TAKEN	2,661	2,501	2,201	1,939	1,767	1,798	1,949	2,029	1,951	1,900	2,202	2,793	2,140	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,661	2,501	2,201	1,939	1,767	1,798	1,949	2,029	1,951	1,900	2,202	2,793	2,140	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	929	861	702	521	402	377	345	331	325	389	633	971	564	13
14	Residential	261	257	233	207	184	176	164	161	162	184	216	278	207	14
15	Commercial	49	55	51	50	48	45	45	45	48	51	53	53	49	15
16	Industrial	63	70	63	65	63	65	63	63	65	63	65	63	64	16
17	Subtotal-CORE	1,302	1,243	1,049	843	696	663	617	600	600	686	967	1,365	884	17
18	NONCORE	58	57	53	49	44	41	38	40	52	47	50	58	49	18
19	Commercial	362	372	364	359	364	356	358	371	363	340	354	350	359	19
20	Industrial	15	15	15	15	15	15	15	15	15	15	15	15	15	20
21	EOR Steaming	435	392	321	322	332	403	551	636	574	505	487	539	459	21
22	Electric Generation (EG)	869	836	753	745	755	814	962	1,061	1,004	907	905	961	881	22
23	Subtotal-NONCORE	284	263	250	209	176	172	156	147	143	161	179	265	200	23
24	Core	27	26	25	25	23	23	21	23	22	23	24	24	24	24
25	Noncore Excl. EG	144	101	95	92	94	103	167	172	156	98	99	143	122	25
26	Electric Generation (EG)	455	390	370	326	293	297	345	342	321	282	301	431	346	26
27	Subtotal-WHOLESALE & INT	35	33	29	25	23	23	25	26	25	25	29	36	28	27
28	Co. Use & LUAF	2,661	2,501	2,201	1,939	1,767	1,798	1,949	2,029	1,951	1,900	2,202	2,793	2,140	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	92	96	86	81	74	74	70	70	72	75	84	96	81	29
30	TRANSPORTATION AND EXCHANGE	419	429	418	408	408	397	396	411	415	387	403	407	408	30
31	CORE	15	15	15	15	15	15	15	15	15	15	15	15	15	31
32	NONCORE	435	392	321	322	332	403	551	636	574	505	487	539	459	32
33	Electric Generation (EG)	962	931	839	825	829	888	1,033	1,131	1,075	982	988	1,057	962	33
34	Subtotal-RETAIL	455	390	370	326	293	297	345	342	321	282	301	431	346	34
35	WHOLESALE & INTERNATIONAL	1,416	1,321	1,209	1,152	1,122	1,185	1,377	1,472	1,396	1,264	1,290	1,488	1,308	35
36	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	CURTAILMENT (RETAIL & WHOLESALE)	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,242 1,177 988 782 638 605 561 544 543 627 906 1,302 824.6

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2028

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,561	2,322	2,110	1,836	1,668	1,698	1,837	1,882	1,823	1,798	2,069	2,668	2,023	9
10	TOTAL SUPPLY TAKEN	2,618	2,379	2,167	1,893	1,725	1,755	1,894	1,939	1,880	1,855	2,126	2,725	2,080	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,618	2,379	2,167	1,893	1,725	1,755	1,894	1,939	1,880	1,855	2,126	2,725	2,080	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	915	818	691	513	396	372	341	327	321	384	624	956	554	13
14	Residential	256	243	228	203	180	173	161	158	160	180	211	272	202	14
15	Commercial	48	52	50	49	47	45	44	44	47	50	53	52	49	15
16	Industrial	64	69	64	66	64	66	64	64	66	64	66	64	65	16
17	Subtotal-CORE	1,283	1,182	1,034	832	688	656	610	593	594	678	954	1,344	870	17
18	NONCORE	58	55	53	48	44	41	38	39	52	47	49	57	48	18
19	Commercial	360	366	362	357	362	354	356	368	360	336	350	346	356	19
20	Industrial	14	13	14	14	14	14	14	14	14	14	14	14	14	20
21	EOR Steaming	425	357	310	294	304	372	514	565	524	479	435	503	424	21
22	Electric Generation (EG)	857	791	739	713	723	780	921	986	949	876	848	920	842	22
23	Subtotal-NONCORE	282	253	249	208	176	171	156	147	143	161	178	263	199	23
24	Core	27	25	25	25	23	23	21	22	22	23	24	23	24	24
25	Noncore Excl. EG	136	97	91	90	94	102	161	165	148	93	94	139	118	25
26	Electric Generation (EG)	445	375	365	323	292	296	338	333	313	277	296	426	340	26
27	Subtotal-WHOLESALE & INT	34	31	28	25	22	23	25	25	25	24	28	36	27	27
28	Co. Use & LUAF	2,618	2,379	2,167	1,893	1,725	1,755	1,894	1,939	1,880	1,855	2,126	2,725	2,080	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	92	92	86	81	75	74	70	70	72	75	84	95	80	29
30	TRANSPORTATION AND EXCHANGE	418	421	415	406	406	394	394	408	411	383	399	403	405	30
31	CORE	14	13	14	14	14	14	14	14	14	14	14	14	14	31
32	NONCORE	425	357	310	294	304	372	514	565	524	479	435	503	424	32
33	Electric Generation (EG)	949	883	824	794	798	854	991	1,056	1,020	951	932	1,015	923	33
34	Subtotal-RETAIL	445	375	365	323	292	296	338	333	313	277	296	426	340	34
35	WHOLESALE & INTERNATIONAL	1,393	1,257	1,190	1,117	1,090	1,150	1,329	1,390	1,333	1,228	1,228	1,441	1,263	35
36	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	CURTAILMENT (RETAIL & WHOLESALE)	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,222 1,119 973 771 629 597 554 537 536 619 893 1,281 811

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2029

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,516	2,343	2,073	1,798	1,622	1,662	1,839	1,886	1,775	1,739	2,007	2,606	1,988	9
10	TOTAL SUPPLY TAKEN	2,573	2,400	2,130	1,855	1,679	1,719	1,896	1,943	1,832	1,796	2,064	2,663	2,045	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,573	2,400	2,130	1,855	1,679	1,719	1,896	1,943	1,832	1,796	2,064	2,663	2,045	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	900	833	680	506	390	367	337	322	317	379	614	940	548	13
14	Residential	251	247	224	199	177	170	158	156	157	177	207	267	199	14
15	Commercial	48	54	50	49	47	44	44	44	46	50	52	51	48	15
16	Industrial	65	71	65	67	65	67	65	65	67	65	67	65	66	16
17	Subtotal-CORE	1,262	1,205	1,018	820	679	648	603	586	587	670	941	1,323	860	17
18	NONCORE	57	57	53	48	44	40	38	39	52	47	49	57	48	18
19	Commercial	357	366	359	354	358	351	353	366	357	334	348	344	354	19
20	Industrial	13	13	13	13	13	13	13	13	13	13	13	13	13	20
21	EOR Steaming	412	348	303	279	284	355	531	583	492	438	398	474	409	21
22	Electric Generation (EG)	838	783	727	694	699	758	934	1,001	913	831	807	887	823	22
23	Subtotal-NONCORE	280	260	247	206	175	170	155	146	142	160	177	261	198	23
24	Core	26	26	25	25	23	22	21	22	22	23	24	23	23	24
25	Noncore Excl. EG	133	94	84	85	83	98	158	163	144	89	89	134	113	25
26	Electric Generation (EG)	439	380	356	316	280	291	334	331	308	272	290	419	335	26
27	Subtotal-WHOLESALE & INT	34	31	28	24	22	22	25	25	24	23	27	35	27	27
28	Co. Use & LUAF	2,573	2,400	2,130	1,855	1,679	1,719	1,896	1,943	1,832	1,796	2,064	2,663	2,045	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	91	94	85	80	74	73	70	70	71	74	83	94	80	29
30	TRANSPORTATION AND EXCHANGE	414	423	412	402	402	391	390	405	408	381	396	400	402	30
31	CORE	13	13	13	13	13	13	13	13	13	13	13	13	13	31
32	NONCORE	412	348	303	279	284	355	531	583	492	438	398	474	409	32
33	Electric Generation (EG)	929	878	812	774	773	831	1,004	1,070	984	905	890	982	903	33
34	Subtotal-RETAIL	439	380	356	316	280	291	334	331	308	272	290	419	335	34
35	WHOLESALE & INTERNATIONAL	1,368	1,258	1,168	1,090	1,053	1,123	1,338	1,401	1,292	1,177	1,180	1,400	1,238	35
36	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	CURTAILMENT (RETAIL & WHOLESALE)	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	38
	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,202 1,140 958 759 620 589 547 530 529 611 880 1,260 801

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2030

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,393	2,297	2,060	1,801	1,605	1,643	1,820	1,824	1,746	1,694	1,955	2,510	1,944	9
10	TOTAL SUPPLY TAKEN	2,450	2,354	2,117	1,858	1,662	1,700	1,877	1,881	1,803	1,751	2,012	2,567	2,001	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,450	2,354	2,117	1,858	1,662	1,700	1,877	1,881	1,803	1,751	2,012	2,567	2,001	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	886	821	670	498	385	363	333	319	314	374	606	926	540	13
14	Residential	247	244	221	197	175	168	156	154	155	175	205	263	196	14
15	Commercial	47	53	49	48	46	44	43	43	46	49	51	50	47	15
16	Industrial	64	71	64	66	64	66	64	64	66	64	66	64	65	16
17	Subtotal-CORE	1,244	1,188	1,004	809	670	640	596	580	580	662	928	1,303	849	17
18	NONCORE	57	57	53	48	44	40	38	39	52	47	49	57	48	18
19	Commercial	354	364	357	352	357	349	351	364	355	332	346	342	352	19
20	Industrial	12	12	12	12	12	12	12	12	12	12	12	12	12	20
21	EOR Steaming	324	327	308	302	285	353	531	535	477	410	366	409	386	21
22	Electric Generation (EG)	747	759	730	714	697	754	931	950	896	801	772	820	798	22
23	Subtotal-NONCORE	279	260	246	206	174	170	155	146	142	160	177	260	198	23
24	Core	26	26	25	25	23	22	21	22	22	23	23	23	23	24
25	Noncore Excl. EG	123	92	84	80	76	92	149	159	140	82	85	128	108	25
26	Electric Generation (EG)	428	377	355	311	273	284	324	327	303	265	286	411	329	26
27	Subtotal-WHOLESALE & INT	32	31	28	24	22	22	24	25	24	23	26	33	26	27
28	Co. Use & LUAF	2,450	2,354	2,117	1,858	1,662	1,700	1,877	1,881	1,803	1,751	2,012	2,567	2,001	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	90	93	84	79	73	73	69	69	70	73	82	93	79	29
30	TRANSPORTATION AND EXCHANGE	411	420	410	400	400	389	389	403	407	379	395	398	400	30
31	CORE All End Uses	12	12	12	12	12	12	12	12	12	12	12	12	12	31
32	NONCORE Commercial/Industrial	324	327	308	302	285	353	531	535	477	410	366	409	386	32
33	EOR Steaming	837	852	813	793	770	826	1,001	1,019	966	875	854	913	877	33
34	Electric Generation (EG)	428	377	355	311	273	284	324	327	303	265	286	411	329	34
35	Subtotal-RETAIL	1,264	1,229	1,169	1,104	1,043	1,110	1,325	1,345	1,270	1,140	1,140	1,324	1,206	35
36	WHOLESALE & INTERNATIONAL All End Uses	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	TOTAL TRANSPORTATION & EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	CURTAILMENT (RETAIL & WHOLESALE)	0	0	0	0	0	0	0	0	0	0	0	0	0	38
	Core														
	Noncore														
	TOTAL - Curtailment														

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,184 1,123 944 749 612 582 541 524 523 604 868 1,242 790

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2031

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,358	2,240	2,035	1,789	1,605	1,654	1,850	1,813	1,714	1,661	1,920	2,486	1,926	9
10	TOTAL SUPPLY TAKEN	2,415	2,297	2,092	1,846	1,662	1,711	1,907	1,870	1,771	1,718	1,977	2,543	1,983	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,415	2,297	2,092	1,846	1,662	1,711	1,907	1,870	1,771	1,718	1,977	2,543	1,983	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	872	808	660	491	380	358	329	315	310	369	597	911	532	13
15	Commercial	243	240	218	194	173	166	154	152	153	173	202	259	194	14
16	Industrial	46	52	48	48	45	43	43	43	45	48	51	50	47	15
17	NGV	62	69	62	64	62	64	62	62	64	62	64	62	64	16
17	Subtotal-CORE	1,224	1,169	988	797	660	632	588	572	573	653	914	1,283	836	17
22	NONCORE														
22	Subtotal-NONCORE	740	730	726	717	712	775	968	958	881	783	760	823	798	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	419	368	350	308	268	283	327	315	294	259	278	404	323	26
27	Co. Use & LUAF	31	30	27	24	22	22	25	24	23	22	26	33	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,415	2,297	2,092	1,846	1,662	1,711	1,907	1,870	1,771	1,718	1,977	2,543	1,983	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	88	91	82	78	72	71	68	67	69	72	81	91	77	29
30	NONCORE														
30	All End Uses	740	730	726	717	712	775	968	958	881	783	760	823	798	30
33	Subtotal-RETAIL	828	821	808	795	783	846	1,036	1,026	950	855	840	914	876	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	419	368	350	308	268	283	327	315	294	259	278	404	323	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,247	1,189	1,158	1,103	1,052	1,128	1,362	1,341	1,244	1,115	1,118	1,318	1,199	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,166 1,105 930 738 604 575 534 518 517 596 855 1,222 778

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2032

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,321	2,151	1,983	1,758	1,569	1,605	1,800	1,856	1,715	1,662	1,901	2,461	1,899	9
10	TOTAL SUPPLY TAKEN	2,378	2,208	2,040	1,815	1,626	1,662	1,857	1,913	1,772	1,719	1,958	2,518	1,956	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,378	2,208	2,040	1,815	1,626	1,662	1,857	1,913	1,772	1,719	1,958	2,518	1,956	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	858	768	650	484	375	354	325	311	306	365	588	897	523	13
15	Commercial	240	228	215	191	170	164	153	150	151	171	199	256	191	14
16	Industrial	46	50	48	47	45	43	42	42	45	48	50	49	46	15
17	NGV	60	64	60	62	60	62	60	60	62	60	62	60	61	16
17	Subtotal-CORE	1,204	1,110	972	784	650	622	580	563	564	643	899	1,261	821	17
22	NONCORE														
22	Subtotal-NONCORE	732	719	697	706	690	745	943	1,020	898	797	758	830	795	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	411	350	344	302	264	273	310	305	287	257	275	394	314	26
27	Co. Use & LUAF	31	29	27	24	21	22	24	25	23	22	26	33	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,378	2,208	2,040	1,815	1,626	1,662	1,857	1,913	1,772	1,719	1,958	2,518	1,956	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	86	86	80	76	70	69	66	65	67	70	78	89	75	29
30	NONCORE														
30	All End Uses	732	719	697	706	690	745	943	1,020	898	797	758	830	795	30
33	Subtotal-RETAIL	818	805	777	781	760	814	1,009	1,085	965	867	837	919	870	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	411	350	344	302	264	273	310	305	287	257	275	394	314	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,229	1,155	1,121	1,083	1,024	1,087	1,320	1,391	1,252	1,124	1,111	1,313	1,185	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,147 1,050 915 727 596 567 527 511 510 588 842 1,203 765

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2033

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,298	2,200	1,976	1,733	1,552	1,599	1,774	1,819	1,708	1,656	1,895	2,432	1,886	9
10	TOTAL SUPPLY TAKEN	2,355	2,257	2,033	1,790	1,609	1,656	1,831	1,876	1,765	1,713	1,952	2,489	1,943	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,355	2,257	2,033	1,790	1,609	1,656	1,831	1,876	1,765	1,713	1,952	2,489	1,943	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
	Residential	847	784	641	478	371	350	322	308	303	361	581	885	518	13
14	Commercial	236	233	212	189	168	162	151	148	150	169	197	252	189	14
15	Industrial	45	51	47	46	44	42	42	42	44	47	49	48	46	15
16	NGV	57	63	57	58	57	58	57	57	58	57	58	57	58	16
17	Subtotal-CORE	1,185	1,131	957	772	640	613	571	555	555	633	886	1,242	810	17
22	NONCORE														
	Subtotal-NONCORE	737	738	709	697	690	750	933	998	906	803	770	826	797	22
26	WHOLESALE & INTERNATIONAL														
	Subtotal-WHOLESALE & INT	402	359	341	298	257	271	303	298	280	254	270	388	310	26
27	Co. Use & LUAF	31	29	27	23	21	22	24	24	23	22	25	32	25	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,355	2,257	2,033	1,790	1,609	1,656	1,831	1,876	1,765	1,713	1,952	2,489	1,943	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
	All End Uses	83	86	77	73	67	67	64	63	65	68	76	86	73	29
30	NONCORE														
	All End Uses	737	738	709	697	690	750	933	998	906	803	770	826	797	30
33	Subtotal-RETAIL	820	824	787	770	758	817	996	1,061	971	871	846	913	870	33
34	WHOLESALE & INTERNATIONAL														
	All End Uses	402	359	341	298	257	271	303	298	280	254	270	388	310	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,222	1,183	1,127	1,068	1,015	1,088	1,300	1,360	1,251	1,125	1,116	1,301	1,180	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,131 1,072 902 717 588 560 520 504 503 580 831 1,186 756

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2035

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,242	2,125	1,921	1,675	1,516	1,576	1,719	1,743	1,678	1,624	1,853	2,400	1,839	9
10	TOTAL SUPPLY TAKEN	2,299	2,182	1,978	1,732	1,573	1,633	1,776	1,800	1,735	1,681	1,910	2,457	1,896	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,299	2,182	1,978	1,732	1,573	1,633	1,776	1,800	1,735	1,681	1,910	2,457	1,896	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	824	764	625	467	363	344	316	303	297	354	567	861	506	13
15	Commercial	230	227	206	184	164	158	148	145	146	165	192	245	184	14
16	Industrial	44	49	46	45	43	41	41	41	43	46	48	47	44	15
17	NGV	48	53	48	50	48	50	48	48	50	48	50	48	49	16
	Subtotal-CORE	1,146	1,093	925	746	618	593	552	536	536	612	857	1,202	783	17
22	NONCORE														
	Subtotal-NONCORE	737	714	698	676	683	758	916	959	909	803	765	850	790	22
26	WHOLESALE & INTERNATIONAL														
	Subtotal-WHOLESALE & INT	386	347	329	288	251	261	285	281	266	244	264	373	298	26
27	Co. Use & LUAF	30	28	26	23	21	21	23	23	23	22	25	32	25	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,299	2,182	1,978	1,732	1,573	1,633	1,776	1,800	1,735	1,681	1,910	2,457	1,896	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
30	All End Uses	77	79	71	67	62	61	58	58	59	62	70	80	67	29
30	NONCORE														
33	All End Uses	737	714	698	676	683	758	916	959	909	803	765	850	790	30
	Subtotal-RETAIL	814	793	770	743	745	819	974	1,017	968	865	835	930	857	33
34	WHOLESALE & INTERNATIONAL														
	All End Uses	386	347	329	288	251	261	285	281	266	244	264	373	298	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,199	1,139	1,099	1,031	995	1,080	1,259	1,297	1,235	1,109	1,098	1,303	1,154	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,097 1,040 876 696 571 546 507 491 490 565 807 1,151 735

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2040

AVERAGE TEMPERATURE with BASE HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
Out-of-State Gas															
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,225	2,060	1,865	1,675	1,504	1,576	1,773	1,775	1,687	1,594	1,844	2,359	1,828	9
10	TOTAL SUPPLY TAKEN	2,282	2,117	1,922	1,732	1,561	1,633	1,830	1,832	1,744	1,651	1,901	2,416	1,885	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,282	2,117	1,922	1,732	1,561	1,633	1,830	1,832	1,744	1,651	1,901	2,416	1,885	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	777	695	590	443	346	331	304	291	286	339	538	812	479	13
15	Commercial	214	204	193	173	155	150	140	138	139	156	180	229	172	14
16	Industrial	41	45	43	42	41	39	38	38	40	43	45	44	42	15
17	NGV	65	69	65	67	65	67	65	65	67	65	67	65	66	16
17	Subtotal-CORE	1,097	1,013	891	725	607	586	547	532	532	603	830	1,150	759	17
22	NONCORE														
22	Subtotal-NONCORE	764	737	672	691	675	754	966	987	917	778	779	862	799	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	391	340	334	293	259	271	293	289	271	249	267	373	303	26
27	Co. Use & LUAF	30	28	25	23	20	21	24	24	23	22	25	32	25	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,282	2,117	1,922	1,732	1,561	1,633	1,830	1,832	1,744	1,651	1,901	2,416	1,885	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	84	84	79	75	70	70	66	66	68	70	78	87	75	29
30	NONCORE														
30	All End Uses	764	737	672	691	675	754	966	987	917	778	779	862	799	30
33	Subtotal-RETAIL	848	821	751	766	744	824	1,032	1,053	985	848	857	948	874	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	391	340	334	293	259	271	293	289	271	249	267	373	303	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,239	1,161	1,085	1,059	1,003	1,095	1,325	1,342	1,256	1,097	1,124	1,321	1,176	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Str., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDR/d: 1,040 953 833 667 551 530 493 478 477 546 772 1,091 702

FORECAST OF REQUIREMENTS
COLD TEMPERATURE YEAR SUMMARY

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2026 THRU 2030

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		2026	2027	2028	2029	2030	LINE
CAPACITY AVAILABLE							
1	California Line 85 Zone (California Producers)	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	2
	Out-of-State Gas						
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN							
8	California Source Gas ^{5/}	57	57	57	57	57	8
9	Out-of-State	2,242	2,170	2,110	2,075	2,032	9
10	TOTAL SUPPLY TAKEN	2,299	2,227	2,167	2,132	2,089	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,299	2,227	2,167	2,132	2,089	12
REQUIREMENTS FORECAST BY END-USE ^{7/}							
13	CORE ^{8/} Residential	618	610	600	593	586	13
14	Commercial	219	215	210	207	205	14
15	Industrial	51	50	49	49	48	15
16	NGV	62	64	65	66	65	16
17	Subtotal-CORE	950	939	925	915	904	17
18	NONCORE Commercial	50	50	49	49	49	18
19	Industrial	361	359	356	354	352	19
20	EOR Steaming	16	15	14	13	12	20
21	Electric Generation (EG)	526	472	437	420	398	21
22	Subtotal-NONCORE	953	895	856	836	811	22
23	WHOLESALE & Core	211	210	209	208	207	23
24	INTERNATIONAL Noncore Excl. EG	24	24	24	24	24	24
25	Electric Generation (EG)	131	130	126	122	116	25
26	Subtotal-WHOLESALE & INTL.	366	364	358	354	347	26
27	Co. Use & LUAF	30	29	28	28	27	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,299	2,227	2,167	2,132	2,089	28
TRANSPORTATION AND EXCHANGE							
29	CORE All End Uses	82	82	82	82	81	29
30	NONCORE Commercial/Industrial	411	409	406	403	401	30
31	EOR Steaming	16	15	14	13	12	31
32	Electric Generation (EG)	526	472	437	420	398	32
33	Subtotal-RETAIL	1,035	978	938	917	892	33
34	WHOLESALE & INTERNATIONAL All End Uses	366	364	358	354	347	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,401	1,342	1,296	1,271	1,239	35
CURTAILMENT (RETAIL & WHOLESALE)							
36	Core	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.1 1.1 1.0 0.9 0.9
gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation
transportation (CAT) in MDth/d: 890 879 865 855 844

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED YEARS 2031 THRU 2040

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		2031	2032	2033	2035	2040	LINE
CAPACITY AVAILABLE							
1	California Line 85 Zone (California Producers)	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	2
	Out-of-State Gas						
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN							
8	California Source Gas ^{5/}	57	57	57	57	57	8
9	Out-of-State	2,004	1,981	1,969	1,923	1,917	9
10	TOTAL SUPPLY TAKEN	2,061	2,038	2,026	1,980	1,974	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,061	2,038	2,026	1,980	1,974	12
REQUIREMENTS FORECAST BY END-USE ^{7/}							
13	CORE ^{8/} Residential	578	569	564	552	525	13
14	Commercial	202	199	197	192	180	14
15	Industrial	47	47	46	45	42	15
16	NGV	64	61	58	49	66	16
17	Subtotal-CORE	891	875	865	838	814	17
18	NONCORE Commercial	49	49	49	49	49	18
19	Industrial	350	347	345	340	339	19
20	EOR Steaming	11	10	10	8	6	20
21	Electric Generation (EG)	394	398	403	405	422	21
22	Subtotal-NONCORE	804	804	807	802	816	22
23	WHOLESALE & Core	207	206	206	205	208	23
24	INTERNATIONAL Noncore Excl. EG	24	23	23	23	23	24
25	Electric Generation (EG)	109	103	99	85	88	25
26	Subtotal-WHOLESALE & INTL.	340	332	328	313	319	26
27	Co. Use & LUAF	27	27	26	26	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,061	2,038	2,026	1,980	1,974	28
TRANSPORTATION AND EXCHANGE							
29	CORE All End Uses	79	77	75	69	76	29
30	NONCORE Commercial/Industrial	399	396	394	389	387	30
31	EOR Steaming	11	10	10	8	6	31
32	Electric Generation (EG)	394	398	403	405	422	32
33	Subtotal-RETAIL	883	881	882	871	892	33
34	WHOLESALE & INTERNATIONAL All End Uses	340	332	328	313	319	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,223	1,213	1,210	1,185	1,211	35
CURTAILMENT (RETAIL & WHOLESALE)							
36	Core	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.8 0.8 0.7 0.5
gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation
transportation (CAT) in MDth/d: 833 819 811 790 757

FORECAST OF REQUIREMENTS
COLD TEMPERATURE YEAR DETAIL

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2026

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,789	2,788	2,370	1,990	1,795	1,884	2,074	2,064	2,019	1,946	2,275	2,936	2,242	9
10	TOTAL SUPPLY TAKEN	2,846	2,845	2,427	2,047	1,852	1,941	2,131	2,121	2,076	2,003	2,332	2,993	2,299	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,846	2,845	2,427	2,047	1,852	1,941	2,131	2,121	2,076	2,003	2,332	2,993	2,299	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	1,058	980	791	573	428	385	350	335	331	404	697	1,104	618	13
15	Commercial	287	282	252	219	191	180	167	164	166	189	230	306	219	14
16	Industrial	51	57	53	51	49	46	46	46	48	52	55	55	51	15
17	NGV	61	67	61	63	61	63	61	61	63	61	63	61	62	16
17	Subtotal-CORE	1,457	1,387	1,156	907	728	674	624	606	608	706	1,044	1,525	950	17
18	NONCORE														
19	Commercial	59	59	55	49	45	41	38	40	52	48	51	60	50	18
20	Industrial	363	374	366	362	366	359	360	373	365	341	355	351	361	19
21	EOR Steaming	16	16	16	16	16	16	16	16	16	16	16	16	16	20
22	Electric Generation (EG)	441	532	414	346	373	497	709	710	660	576	509	545	526	21
22	Subtotal-NONCORE	879	981	851	773	800	912	1,123	1,139	1,093	981	931	971	953	22
23	WHOLESALE & INTERNATIONAL														
24	Core	310	286	271	222	182	174	157	147	144	164	190	288	211	23
25	Noncore Excl. EG	28	27	26	26	23	23	21	23	22	23	24	24	24	24
26	Electric Generation (EG)	136	127	92	93	95	133	178	179	183	103	113	145	131	25
26	Subtotal-WHOLESALE & INT	473	440	389	340	300	329	356	349	349	290	327	457	366	26
27	Co. Use & LUAF	37	37	32	27	24	25	28	28	27	26	30	39	30	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,846	2,845	2,427	2,047	1,852	1,941	2,131	2,121	2,076	2,003	2,332	2,993	2,299	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
30	All End Uses	97	100	89	82	75	73	70	69	71	75	86	100	82	29
31	NONCORE														
32	Commercial/Industrial	422	433	421	411	411	400	399	413	417	389	406	411	411	30
33	EOR Steaming	16	16	16	16	16	16	16	16	16	16	16	16	16	31
34	Electric Generation (EG)	441	532	414	346	373	497	709	710	660	576	509	545	526	32
35	Subtotal-RETAIL	976	1,081	939	855	875	985	1,193	1,208	1,164	1,056	1,017	1,072	1,035	33
34	WHOLESALE & INTERNATIONAL														
35	All End Uses	473	440	389	340	300	329	356	349	349	290	327	457	366	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,449	1,521	1,328	1,196	1,175	1,315	1,549	1,557	1,512	1,346	1,344	1,529	1,401	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,395 1,320 1,095 846 670 617 568 551 551 647 983 1,462 890

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2027

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,800	2,627	2,292	1,973	1,744	1,777	1,922	1,988	1,924	1,875	2,238	2,906	2,170	9
10	TOTAL SUPPLY TAKEN	2,857	2,684	2,349	2,030	1,801	1,834	1,979	2,045	1,981	1,932	2,295	2,963	2,227	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,857	2,684	2,349	2,030	1,801	1,834	1,979	2,045	1,981	1,932	2,295	2,963	2,227	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	1,043	967	780	566	422	381	346	331	327	399	688	1,089	610	13
14	Residential	282	276	247	215	187	177	164	161	163	185	225	299	215	14
15	Commercial	50	56	52	51	48	45	45	45	48	51	54	54	50	15
16	Industrial	63	70	63	65	63	65	63	63	65	63	65	63	64	16
17	Subtotal-CORE	1,438	1,369	1,142	897	721	668	618	600	603	699	1,032	1,506	939	17
18	NONCORE	60	59	55	49	45	41	38	40	52	48	51	60	50	18
19	Commercial	362	372	364	359	364	356	358	371	363	340	354	350	359	19
20	Industrial	15	15	15	15	15	15	15	15	15	15	15	15	15	20
21	EOR Steaming	465	401	358	345	338	406	570	645	576	519	487	539	472	21
22	Electric Generation (EG)	901	846	791	768	761	818	981	1,071	1,006	921	906	963	895	22
23	Subtotal-NONCORE	308	285	269	221	181	173	157	147	144	164	189	286	210	23
24	Core	27	27	26	26	23	23	21	23	22	23	24	24	24	24
25	Noncore Excl. EG	146	122	90	92	92	128	177	178	181	100	112	144	130	25
26	Electric Generation (EG)	481	434	385	338	296	324	354	348	346	287	326	455	364	26
27	Subtotal-WHOLESALE & INT	37	35	31	26	23	24	26	27	26	25	30	39	29	27
28	Co. Use & LUAF	2,857	2,684	2,349	2,030	1,801	1,834	1,979	2,045	1,981	1,932	2,295	2,963	2,227	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	2,857	2,684	2,349	2,030	1,801	1,834	1,979	2,045	1,981	1,932	2,295	2,963	2,227	29
TRANSPORTATION AND EXCHANGE															
30	CORE	97	100	89	83	75	74	70	70	72	75	86	101	82	30
31	Noncore	422	431	419	409	408	397	396	411	415	387	404	409	409	31
32	Commercial/Industrial	15	15	15	15	15	15	15	15	15	15	15	15	15	32
33	EOR Steaming	465	401	358	345	338	406	570	645	576	519	487	539	472	33
34	Electric Generation (EG)	998	946	880	851	837	892	1,051	1,141	1,078	996	993	1,064	978	34
35	Subtotal-RETAIL	481	434	385	338	296	324	354	348	346	287	326	455	364	35
36	WHOLESALE & INTERNATIONAL	481	434	385	338	296	324	354	348	346	287	326	455	364	36
37	All End Uses	1,479	1,379	1,265	1,189	1,132	1,216	1,405	1,488	1,424	1,283	1,318	1,519	1,342	37
38	TOTAL TRANSPORTATION & EXCHANGE	1,479	1,379	1,265	1,189	1,132	1,216	1,405	1,488	1,424	1,283	1,318	1,519	1,342	38
CURTAILMENT (RETAIL & WHOLESALE)															
39	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	39
40	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	40
41	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	41

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,376 1,303 1,081 835 662 609 562 544 545 640 971 1,442 879

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2028

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,733	2,501	2,230	1,920	1,724	1,747	1,879	1,911	1,866	1,818	2,159	2,833	2,110	9
10	TOTAL SUPPLY TAKEN	2,790	2,558	2,287	1,977	1,781	1,804	1,936	1,968	1,923	1,875	2,216	2,890	2,167	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,790	2,558	2,287	1,977	1,781	1,804	1,936	1,968	1,923	1,875	2,216	2,890	2,167	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	1,029	921	769	558	417	376	342	327	323	394	678	1,074	600	13
14	Residential	276	262	242	211	184	174	161	158	160	182	221	294	210	14
15	Commercial	50	54	51	50	48	45	44	44	47	50	53	53	49	15
16	Industrial	64	69	64	66	64	66	64	64	66	64	66	64	65	16
17	Subtotal-CORE	1,419	1,305	1,127	886	712	661	611	594	596	691	1,019	1,485	925	17
18	NONCORE	60	57	55	49	44	41	38	40	52	47	50	59	49	18
19	Commercial	360	366	362	357	362	354	356	368	360	336	350	346	356	19
20	Industrial	14	13	14	14	14	14	14	14	14	14	14	14	14	20
21	EOR Steaming	429	368	319	311	333	392	545	585	537	480	434	498	437	21
22	Electric Generation (EG)	863	804	750	731	753	800	952	1,006	962	878	848	917	856	22
23	Subtotal-NONCORE	306	274	268	220	180	172	156	147	143	163	189	285	209	23
24	Core	27	26	26	26	23	23	21	22	22	23	24	24	24	24
25	Noncore Excl. EG	139	117	87	89	89	124	170	173	174	95	107	142	126	25
26	Electric Generation (EG)	472	416	381	335	292	319	348	342	340	282	320	450	358	26
27	Subtotal-WHOLESALE & INT	36	33	30	26	23	24	25	26	25	24	29	38	28	27
28	Co. Use & LUAF	2,790	2,558	2,287	1,977	1,781	1,804	1,936	1,968	1,923	1,875	2,216	2,890	2,167	28
29	SYSTEM TOTAL THROUGHPUT ^{6/}	2,790	2,558	2,287	1,977	1,781	1,804	1,936	1,968	1,923	1,875	2,216	2,890	2,167	29
TRANSPORTATION AND EXCHANGE															
30	CORE	96	96	89	83	75	74	70	70	72	75	86	100	82	30
31	NONCORE	420	423	417	407	406	394	394	408	411	384	400	405	406	31
32	Commercial/Industrial	14	13	14	14	14	14	14	14	14	14	14	14	14	32
33	EOR Steaming	429	368	319	311	333	392	545	585	537	480	434	498	437	33
34	Electric Generation (EG)	959	900	838	814	828	874	1,022	1,076	1,034	953	934	1,017	938	34
35	Subtotal-RETAIL	472	416	381	335	292	319	348	342	340	282	320	450	358	35
36	WHOLESALE & INTERNATIONAL	472	416	381	335	292	319	348	342	340	282	320	450	358	36
37	All End Uses	1,432	1,316	1,219	1,149	1,120	1,194	1,370	1,418	1,374	1,235	1,254	1,467	1,296	37
38	TOTAL TRANSPORTATION & EXCHANGE	1,432	1,316	1,219	1,149	1,120	1,194	1,370	1,418	1,374	1,235	1,254	1,467	1,296	38
CURTAILMENT (RETAIL & WHOLESALE)															
39	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	39
40	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	40
41	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	41

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,357 1,240 1,065 824 654 602 555 538 538 632 957 1,421 865

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper:

TABLE 3-SCG

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2029

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,686	2,517	2,200	1,875	1,675	1,707	1,875	1,911	1,828	1,759	2,103	2,783	2,075	9
10	TOTAL SUPPLY TAKEN	2,743	2,574	2,257	1,932	1,732	1,764	1,932	1,968	1,885	1,816	2,160	2,840	2,132	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,743	2,574	2,257	1,932	1,732	1,764	1,932	1,968	1,885	1,816	2,160	2,840	2,132	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	1,014	940	758	550	411	371	337	323	319	389	669	1,058	593	13
14	Residential	271	266	238	207	181	171	158	156	157	179	217	288	207	14
15	Commercial	49	55	51	49	47	44	44	44	46	50	53	53	49	15
16	Industrial	65	71	65	67	65	67	65	65	67	65	67	65	66	16
17	Subtotal-CORE	1,398	1,332	1,111	874	703	653	604	587	589	682	1,005	1,464	915	17
18	NONCORE	59	59	54	49	44	40	38	39	52	47	50	59	49	18
19	Commercial	357	366	359	354	358	351	353	366	357	334	348	344	354	19
20	Industrial	13	13	13	13	13	13	13	13	13	13	13	13	13	20
21	EOR Steaming	412	348	314	291	304	371	556	598	516	441	401	480	420	21
22	Electric Generation (EG)	840	786	740	706	719	774	959	1,016	937	835	811	895	836	22
23	Subtotal-NONCORE	840	786	740	706	719	774	959	1,016	937	835	811	895	836	22
23	WHOLESALE & INTERNATIONAL	304	282	266	218	179	171	155	146	143	162	188	283	208	23
24	Core	27	26	26	26	23	22	21	22	22	23	24	24	24	24
25	Noncore Excl. EG	137	114	84	83	85	120	168	171	170	91	104	138	122	25
26	Electric Generation (EG)	468	423	376	327	287	314	344	339	334	276	316	444	354	26
27	Subtotal-WHOLESALE & INT	36	34	29	25	23	23	25	26	25	24	28	37	28	27
27	Co. Use & LUAF	36	34	29	25	23	23	25	26	25	24	28	37	28	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,743	2,574	2,257	1,932	1,732	1,764	1,932	1,968	1,885	1,816	2,160	2,840	2,132	28
TRANSPORTATION AND EXCHANGE															
29	CORE	95	99	88	82	75	74	70	70	71	75	85	99	82	29
30	NONCORE	416	425	413	403	403	391	390	405	408	381	398	403	403	30
31	Commercial/Industrial	13	13	13	13	13	13	13	13	13	13	13	13	13	31
32	EOR Steaming	412	348	314	291	304	371	556	598	516	441	401	480	420	32
33	Electric Generation (EG)	936	884	828	788	794	848	1,029	1,086	1,008	909	896	994	917	33
34	Subtotal-RETAIL	468	423	376	327	287	314	344	339	334	276	316	444	354	34
34	WHOLESALE & INTERNATIONAL	468	423	376	327	287	314	344	339	334	276	316	444	354	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,404	1,307	1,204	1,115	1,081	1,162	1,373	1,425	1,343	1,185	1,212	1,438	1,271	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,337 1,265 1,050 812 645 594 548 531 531 623 944 1,400 855

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2030

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,564	2,474	2,185	1,874	1,658	1,703	1,858	1,854	1,784	1,720	2,045	2,681	2,032	9
10	TOTAL SUPPLY TAKEN	2,621	2,531	2,242	1,931	1,715	1,760	1,915	1,911	1,841	1,777	2,102	2,738	2,089	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,621	2,531	2,242	1,931	1,715	1,760	1,915	1,911	1,841	1,777	2,102	2,738	2,089	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}	1,000	927	748	543	406	367	334	319	315	384	660	1,044	586	13
14	Residential	267	263	235	205	179	169	157	154	155	177	215	284	205	14
15	Commercial	48	54	50	49	46	44	43	43	46	49	52	52	48	15
16	Industrial	64	71	64	66	64	66	64	64	66	64	66	64	65	16
17	Subtotal-CORE	1,380	1,314	1,097	863	695	645	597	580	582	674	993	1,444	904	17
18	NONCORE	59	59	54	49	44	40	38	39	52	47	50	59	49	18
19	Commercial	354	364	357	352	357	349	351	364	355	332	346	342	352	19
20	Industrial	12	12	12	12	12	12	12	12	12	12	12	12	12	20
21	EOR Steaming	325	331	321	307	307	383	556	557	489	418	365	409	398	21
22	Electric Generation (EG)	751	765	743	719	720	784	957	972	908	810	772	821	811	22
23	Subtotal-NONCORE	751	765	743	719	720	784	957	972	908	810	772	821	811	22
23	WHOLESALE & INTERNATIONAL	303	281	265	218	179	171	155	146	143	162	188	281	207	23
24	Core	27	26	25	25	23	22	21	22	22	23	24	24	24	24
25	Noncore Excl. EG	126	111	82	81	76	115	160	165	163	85	98	131	116	25
26	Electric Generation (EG)	456	418	373	324	278	308	336	333	327	270	309	436	347	26
27	Subtotal-WHOLESALE & INT	34	33	29	25	22	23	25	25	24	23	27	36	27	27
27	Co. Use & LUAF	34	33	29	25	22	23	25	25	24	23	27	36	27	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,621	2,531	2,242	1,931	1,715	1,760	1,915	1,911	1,841	1,777	2,102	2,738	2,089	28
TRANSPORTATION AND EXCHANGE															
29	CORE	94	97	87	81	74	73	69	69	71	74	84	98	81	29
30	NONCORE	414	422	411	401	401	389	389	403	407	379	396	401	401	30
31	Commercial/Industrial	12	12	12	12	12	12	12	12	12	12	12	12	12	31
32	EOR Steaming	325	331	321	307	307	383	556	557	489	418	365	409	398	32
33	Electric Generation (EG)	845	863	830	800	794	857	1,026	1,041	978	883	857	919	892	33
34	Subtotal-RETAIL	456	418	373	324	278	308	336	333	327	270	309	436	347	34
34	WHOLESALE & INTERNATIONAL	456	418	373	324	278	308	336	333	327	270	309	436	347	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,301	1,281	1,203	1,124	1,072	1,165	1,362	1,374	1,305	1,153	1,166	1,355	1,239	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,319 1,249 1,036 802 637 587 542 525 525 616 932 1,382 844

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper:

TABLE 4-SCG

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2031

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,538	2,411	2,155	1,866	1,635	1,672	1,847	1,837	1,747	1,681	2,017	2,660	2,004	9
10	TOTAL SUPPLY TAKEN	2,595	2,468	2,212	1,923	1,692	1,729	1,904	1,894	1,804	1,738	2,074	2,717	2,061	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,595	2,468	2,212	1,923	1,692	1,729	1,904	1,894	1,804	1,738	2,074	2,717	2,061	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	986	914	738	536	401	362	330	316	311	380	651	1,030	578	13
15	Commercial	264	259	231	202	176	167	155	152	154	175	212	280	202	14
16	Industrial	48	53	49	48	46	43	43	43	45	48	51	51	47	15
17	NGV	62	69	62	64	62	64	62	64	62	64	62	64	62	16
17	Subtotal-CORE	1,360	1,295	1,081	851	685	637	589	573	575	665	979	1,424	891	17
22	NONCORE														
22	Subtotal-NONCORE	753	732	735	728	713	770	964	976	887	786	765	828	804	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	448	409	367	320	272	301	326	321	318	265	303	430	340	26
27	Co. Use & LUAF	34	32	29	25	22	23	25	25	24	23	27	35	27	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,595	2,468	2,212	1,923	1,692	1,729	1,904	1,894	1,804	1,738	2,074	2,717	2,061	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	93	96	85	79	73	71	68	67	69	72	83	96	79	29
30	NONCORE														
30	All End Uses	753	732	735	728	713	770	964	976	887	786	765	828	804	30
33	Subtotal-RETAIL	845	827	820	807	785	841	1,032	1,043	957	858	847	924	883	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	448	409	367	320	272	301	326	321	318	265	303	430	340	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,293	1,236	1,187	1,127	1,057	1,142	1,358	1,364	1,275	1,123	1,151	1,354	1,223	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,300 1,231 1,022 791 629 580 535 518 519 608 919 1,362 833

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper:

TABLE 4-SCG

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2032

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,500	2,319	2,112	1,829	1,600	1,631	1,835	1,878	1,744	1,681	1,998	2,642	1,981	9
10	TOTAL SUPPLY TAKEN	2,557	2,376	2,169	1,886	1,657	1,688	1,892	1,935	1,801	1,738	2,055	2,699	2,038	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,557	2,376	2,169	1,886	1,657	1,688	1,892	1,935	1,801	1,738	2,055	2,699	2,038	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	973	871	728	529	396	358	326	312	308	375	643	1,016	569	13
15	Commercial	260	246	228	199	174	165	153	150	152	172	209	277	199	14
16	Industrial	47	51	49	47	45	43	42	42	45	48	51	51	47	15
17	NGV	60	64	60	62	60	62	60	60	62	60	62	60	61	16
17	Subtotal-CORE	1,340	1,232	1,065	838	675	627	580	564	566	655	964	1,403	875	17
22	NONCORE														
22	Subtotal-NONCORE	745	725	715	710	693	746	969	1,032	902	797	766	843	804	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	439	388	361	314	267	293	318	314	309	263	298	418	332	26
27	Co. Use & LUAF	33	31	28	25	22	22	25	25	23	23	27	35	27	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,557	2,376	2,169	1,886	1,657	1,688	1,892	1,935	1,801	1,738	2,055	2,699	2,038	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	90	90	83	77	71	69	66	65	67	70	81	94	77	29
30	NONCORE														
30	All End Uses	745	725	715	710	693	746	969	1,032	902	797	766	843	804	30
33	Subtotal-RETAIL	835	815	798	787	764	816	1,035	1,098	970	868	846	936	881	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	439	388	361	314	267	293	318	314	309	263	298	418	332	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,274	1,203	1,159	1,101	1,031	1,108	1,353	1,411	1,279	1,131	1,144	1,355	1,213	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,282 1,172 1,007 780 620 572 528 511 512 600 907 1,343 819

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper:

TABLE 4-SCG

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2033**

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,472	2,374	2,095	1,793	1,586	1,629	1,817	1,864	1,743	1,674	1,985	2,618	1,969	9
10	TOTAL SUPPLY TAKEN	2,529	2,431	2,152	1,850	1,643	1,686	1,874	1,921	1,800	1,731	2,042	2,675	2,026	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,529	2,431	2,152	1,850	1,643	1,686	1,874	1,921	1,800	1,731	2,042	2,675	2,026	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
	Residential	961	891	720	523	392	355	323	309	305	371	636	1,004	564	13
14	Commercial	257	252	225	197	172	163	151	149	150	170	206	273	197	14
15	Industrial	46	52	48	47	45	42	42	44	44	47	50	50	46	15
16	NGV	57	63	57	58	57	58	57	57	58	57	58	57	58	16
17	Subtotal-CORE	1,321	1,258	1,050	825	665	618	572	556	557	645	950	1,383	865	17
22	NONCORE														
	Subtotal-NONCORE	745	744	716	693	692	756	962	1,030	918	804	771	844	807	22
26	WHOLESALE & INTERNATIONAL														
	Subtotal-WHOLESALE & INT	430	398	358	308	265	290	315	310	301	259	293	413	328	26
27	Co. Use & LUAF	33	32	28	24	21	22	24	25	23	23	27	35	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,529	2,431	2,152	1,850	1,643	1,686	1,874	1,921	1,800	1,731	2,042	2,675	2,026	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
	All End Uses	88	90	80	75	68	67	64	63	65	68	78	91	75	29
30	NONCORE														
	All End Uses	745	744	716	693	692	756	962	1,030	918	804	771	844	807	30
33	Subtotal-RETAIL	832	834	797	767	761	823	1,026	1,093	982	872	849	935	882	33
34	WHOLESALE & INTERNATIONAL														
	All End Uses	430	398	358	308	265	290	315	310	301	259	293	413	328	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,262	1,232	1,155	1,075	1,025	1,113	1,341	1,403	1,284	1,131	1,142	1,348	1,210	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,265 1,198 994 770 612 565 521 505 505 592 895 1,326 811

SOUTHERN CALIFORNIA GAS COMPANY

Work Paper:

TABLE 4-SCG

**ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2035**

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
	Out-of-State Gas														
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,422	2,295	2,048	1,744	1,553	1,597	1,752	1,783	1,714	1,649	1,951	2,582	1,923	9
10	TOTAL SUPPLY TAKEN	2,479	2,352	2,105	1,801	1,610	1,654	1,809	1,840	1,771	1,706	2,008	2,639	1,980	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,479	2,352	2,105	1,801	1,610	1,654	1,809	1,840	1,771	1,706	2,008	2,639	1,980	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	939	870	703	512	384	348	317	303	299	364	622	981	552	13
15	Commercial	250	245	220	192	168	159	148	145	147	167	201	266	192	14
16	Industrial	45	51	47	46	44	41	41	41	43	46	49	49	45	15
17	NGV	48	53	48	50	48	50	48	48	50	48	50	48	49	16
17	Subtotal-CORE	1,282	1,220	1,018	799	643	598	553	537	539	625	921	1,343	838	17
22	NONCORE														
22	Subtotal-NONCORE	751	719	713	678	690	760	940	990	926	811	777	864	802	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	413	382	346	300	256	275	292	289	282	248	283	397	313	26
27	Co. Use & LUAF	32	31	27	23	21	22	24	24	23	22	26	34	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,479	2,352	2,105	1,801	1,610	1,654	1,809	1,840	1,771	1,706	2,008	2,639	1,980	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	81	83	74	69	62	61	58	58	59	62	72	85	69	29
30	NONCORE														
30	All End Uses	751	719	713	678	690	760	940	990	926	811	777	864	802	30
33	Subtotal-RETAIL	832	803	788	747	752	821	998	1,048	985	873	849	949	871	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	413	382	346	300	256	275	292	289	282	248	283	397	313	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,245	1,185	1,134	1,047	1,008	1,096	1,290	1,336	1,268	1,121	1,132	1,346	1,185	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Stn., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation transportation (CAT) in MDth/d: 1,232 1,166 968 750 596 551 508 492 492 577 872 1,291 790

SOUTHERN CALIFORNIA GAS COMPANY

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY
ESTIMATED FOR YEAR: 2040

COLD TEMPERATURE YEAR (1 IN 35 COLD YEAR EVENT) & DRY HYDRO YEAR

LINE		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg	LINE
CAPACITY AVAILABLE															
1	California Line 85 Zone (California Producers)	60	60	60	60	60	60	60	60	60	60	60	60	60	1
2	California Coastal Zone (California Producers)	150	150	150	150	150	150	150	150	150	150	150	150	150	2
Out-of-State Gas															
3	Wheeler Ridge Zone (KR, MP, PG&E, OEHI) ^{1/}	765	765	765	765	765	765	765	765	765	765	765	765	765	3
4	Southern Zone (EPN,TGN,NBP) ^{2/}	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	4
5	Northern Zone (TW,EPN,QST, KR) ^{3/}	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	1,590	5
6	Total Out-of-State Gas	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	3,565	6
7	TOTAL CAPACITY AVAILABLE ^{4/}	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	3,775	7
GAS SUPPLY TAKEN															
8	California Source Gas ^{5/}	57	57	57	57	57	57	57	57	57	57	57	57	57	8
9	Out-of-State	2,408	2,229	1,986	1,757	1,540	1,598	1,831	1,819	1,724	1,622	1,945	2,544	1,917	9
10	TOTAL SUPPLY TAKEN	2,465	2,286	2,043	1,814	1,597	1,655	1,888	1,876	1,781	1,679	2,002	2,601	1,974	10
11	Net Underground Storage Withdrawal	0	0	0	0	0	0	0	0	0	0	0	0	0	11
12	TOTAL THROUGHPUT ^{6/}	2,465	2,286	2,043	1,814	1,597	1,655	1,888	1,876	1,781	1,679	2,002	2,601	1,974	12
REQUIREMENTS FORECAST BY END-USE ^{7/}															
13	CORE ^{8/}														
14	Residential	892	798	669	488	367	335	305	292	288	350	593	932	525	13
15	Commercial	234	222	206	181	159	151	140	138	139	157	189	249	180	14
16	Industrial	42	46	44	43	41	39	38	38	40	43	46	45	42	15
17	NGV	65	69	65	67	65	67	65	65	67	65	67	65	66	16
17	Subtotal-CORE	1,233	1,136	984	779	632	591	548	533	534	615	895	1,291	814	17
22	NONCORE														
22	Subtotal-NONCORE	780	745	681	705	681	759	1,014	1,023	936	788	794	876	816	22
26	WHOLESALE & INTERNATIONAL														
26	Subtotal-WHOLESALE & INT	419	375	351	306	264	284	301	296	288	254	288	400	319	26
27	Co. Use & LUAF	32	30	27	24	21	22	25	24	23	22	26	34	26	27
28	SYSTEM TOTAL THROUGHPUT ^{6/}	2,465	2,286	2,043	1,814	1,597	1,655	1,888	1,876	1,781	1,679	2,002	2,601	1,974	28
TRANSPORTATION AND EXCHANGE															
29	CORE														
29	All End Uses	88	88	82	77	70	70	66	66	68	70	80	91	76	29
30	NONCORE														
30	All End Uses	780	745	681	705	681	759	1,014	1,023	936	788	794	876	816	30
33	Subtotal-RETAIL	868	833	763	782	751	828	1,081	1,089	1,004	859	873	967	892	33
34	WHOLESALE & INTERNATIONAL														
34	All End Uses	419	375	351	306	264	284	301	296	288	254	288	400	319	34
35	TOTAL TRANSPORTATION & EXCHANGE	1,287	1,208	1,114	1,088	1,015	1,113	1,382	1,385	1,291	1,113	1,161	1,367	1,211	35
CURTAILMENT (RETAIL & WHOLESALE)															
36	Core	0	0	0	0	0	0	0	0	0	0	0	0	0	36
37	Noncore	0	0	0	0	0	0	0	0	0	0	0	0	0	37
38	TOTAL - Curtailment	0	0	0	0	0	0	0	0	0	0	0	0	0	38

NOTES:

1/ Wheeler Ridge Zone: KR & MP at Wheeler Ridge, PG&E at Kern Str., OEHI at Gosford)

2/ Southern Zone (EPN at Ehrenberg, TGN at Otay Mesa, NBP at Blythe); ability to receive 1,210 MMcf/d dependent on local area demand

3/ Northern Zone (TW at No. Needles, EPN at Topok, QST at No. Needles, KR at Kramer Jct.); projected capacity may vary from that shown over the span of the CGR timeframe

4/ Represents the outlook for firm receipt capacities at the time of publication; subject to change over the span of the CGR timeframe.

5/ Average 2025 recorded California Source Gas; production less than capacity due to reservoir performance and economics.

6/ Excludes own-source gas supply of 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

gas procurement by the City of Long Beach

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

8/ Core end-use demand exclusive of core aggregation

transportation (CAT) in MDth/d: 1,175 1,075 926 720 576 535 494 479 479 559 837 1,231 757

CUSTOMER FORECAST

Recorded Data Through 2025

SoCalGas Connected Meter Forecast

Year	Residential Single-Family	Residential Multi-Family	Residential Master Meter	Commercial	Industrial	NGV	Total
2024	3,912,131	1,958,416	39,225	249,401	23,937	368	6,183,478
2025	3,925,810	1,967,313	39,173	249,103	23,690	373	6,205,462
2026	3,935,180	1,972,148	39,148	249,110	23,448	378	6,219,412
2027	3,949,756	1,974,371	39,122	249,152	23,209	384	6,235,995
2028	3,964,796	1,976,560	39,097	249,168	22,972	390	6,252,982
2029	3,979,642	1,978,809	39,071	249,223	22,737	396	6,269,878
2030	3,994,289	1,981,211	39,046	249,280	22,505	402	6,286,734
2031	4,008,850	1,983,795	39,020	249,297	22,275	408	6,303,646
2032	4,023,343	1,986,532	38,995	249,300	22,048	414	6,320,633
2033	4,037,648	1,989,346	38,970	249,293	21,823	420	6,337,500
2034	4,051,671	1,992,160	38,944	249,293	21,600	426	6,354,094
2035	4,065,386	1,994,945	38,919	249,280	21,379	433	6,370,342
2036	4,078,722	1,997,688	38,894	249,284	21,161	440	6,386,190
2037	4,091,731	2,000,284	38,868	249,321	20,945	447	6,401,596
2038	4,104,454	2,002,632	38,843	249,368	20,731	454	6,416,482
2039	4,116,742	2,004,778	38,818	249,407	20,519	462	6,430,726
2040	4,128,553	2,006,772	38,792	249,461	20,310	470	6,444,358

SoCalGas Active Meter Forecast

Year	Residential Single- Family	Residential Multi-Family	Residential Master Meter	Commercial	Industrial	NGV	Total
2024	3,859,263	1,880,496	38,565	188,227	14,723	368	5,981,643
2025	3,863,586	1,883,368	38,427	186,267	14,307	373	5,986,328
2026	3,879,654	1,891,659	38,383	187,893	14,024	378	6,011,992
2027	3,894,025	1,893,792	38,340	187,925	13,747	384	6,028,212
2028	3,908,852	1,895,891	38,297	187,936	13,475	390	6,044,842
2029	3,923,489	1,898,048	38,254	187,978	13,208	396	6,061,373
2030	3,937,930	1,900,353	38,210	188,021	12,947	402	6,077,863
2031	3,952,285	1,902,831	38,167	188,034	12,690	408	6,094,416
2032	3,966,574	1,905,456	38,124	188,037	12,439	414	6,111,044
2033	3,980,677	1,908,156	38,081	188,031	12,193	420	6,127,558
2034	3,994,502	1,910,855	38,039	188,031	11,952	426	6,143,804
2035	4,008,023	1,913,526	37,996	188,021	11,715	433	6,159,714
2036	4,021,171	1,916,157	37,953	188,025	11,484	440	6,175,230
2037	4,033,997	1,918,647	37,910	188,052	11,256	447	6,190,309
2038	4,046,540	1,920,899	37,867	188,088	11,034	454	6,204,882
2039	4,058,654	1,922,957	37,825	188,117	10,815	462	6,218,831
2040	4,070,299	1,924,870	37,782	188,158	10,601	470	6,232,180

NAVIGATOR



POSTERITY
GROUP

Navigator™ Energy and Emissions Simulation Suite

Functional Specification Document

Version: 1.0

Date: December 2022

Posterity Group Consulting
135 Laurier Ave W, Suite 408
Ottawa, ON K1P 5J2



2 Overview of the Navigator Model

2.1 Purpose and Application

Posterity Group's [Navigator™ Energy and Emissions Simulation Suite](#) enables complex, multi-variable modelling not possible with traditional approaches. It lets planners quickly explore the energy landscape, investigate an unlimited range of scenarios, optimize to targets, and resolve vexing strategic challenges. All backed by Posterity Group's expert energy and emissions consulting services. Navigator incorporates over 20 years of modelling expertise into a powerful platform for:

- Integrated resource planning
- Energy efficiency potential estimates
- Demand side management (DSM) program planning
- Decarbonization pathway analysis
- Policy impact analysis, and greenhouse gas (GHG) emissions studies

Navigator uses a “bottom up” approach to develop demand scenarios. It starts with granular information about how energy is used at the end-use level (e.g., how natural gas is used to heat a home) and builds on this data to describe how energy is used at the segment (e.g., detached homes), sector (e.g., residential), regional (e.g., Vancouver Island) and provincial or state level (e.g., British Columbia).

Detailed data from census and other government sources, utility customer data, end use surveys and research reports are compiled by a powerful processing engine to produce a comprehensive dataset for analysis. Every calculated value is stored and can be filtered and rolled-up for maximum flexibility of analysis and presentation.

Easy access to detailed, “high-resolution” datasets plus fast processing power, ensure the simulation is a powerful means of performing complex scenario analysis such as:

- Load scenarios under a variety of demand growth, pricing, regulatory and technology adoption assumptions
- Demand Side Management potential savings from efficiency and distributed resource measures
- Peak demand impact
- GHG emissions and reductions

As well, users can perform sophisticated optimization tasks such as:

- Fuel switching in response to price and policy signals
- Substitution of a system-wide fuel (such as renewables) in specified amounts
- Efficiency program spending within annual budgets

Navigator can be used to model consumption of energy and associated GHG emissions for any fuel type (e.g., fossil-based gas, electricity, renewables, etc.) for jurisdictions of any size from the community and small utility level to entire states or provinces. Please see [here](#) for case studies.





2.2 Navigator Components

Navigator has four key components:

1. **Configuration Layer:** this layer identifies all the parameters under study (e.g., the range of years in the scenario, the regions, sectors and scenarios, the energy end-uses, etc.). It also tells the simulation engine what to calculate (e.g., peak demand, GHG emissions, DSM potential, etc.).
2. **Data Input Layer:** the data input layer contains the unique information about the future evolution of the segments, sectors and regions under study. The data input layer drives the simulation engine in conjunction with the configuration layer.
3. **Simulation Engine:** the simulation engine is the model processing software that conducts the calculations specified by the user (e.g., annual energy consumption, peak demand, GHG emissions, DSM potential, etc.).
4. **Presentation Layer:** the presentation layer contains the simulation results (often referred to as “output”). Output files are assembled in Excel and data visualization platforms (e.g., PowerBI) to generate exhibits to visualize the raw output data and help users understand and use the results.

2.3 Sector-Based Models

Navigator models are sector-based to reflect the unique way energy is used and regulated. Typical sector models are residential, commercial, industrial, and transportation. Within each sector-model, the data (inputs and outputs) are divided up by rate class, region, segment (i.e., sub-sector), vintage, and end-use. The specifics of the sector-based models are custom made for each client. Exhibit 1 provides examples of regions, segments, end-uses, and vintages for sector-models.

Exhibit 1 – Examples of Navigator sector-model structure

	Residential	Commercial	Industrial	Transportation
<i>Regions</i>	• South • North • East • West	• South • North • East • West	• South • North • East • West	• South • North • East • West
<i>Segments</i>	• Detached • Attached • Mobile	• Apartments • Food Retail • Hospital • Hotels • Non-Food Retail • Nursing Home • Offices • Restaurant • Schools • University/College • Warehouse	• Agriculture • Chemical • District energy providers • Mining • Pulp & Paper • Utilities • Wood Products	• Personal light duty vehicles • Fleet light duty vehicles • Medium duty vehicles • Heavy duty vehicles • Domestic short sea marine vessels • Coastal freight marine vessels





	Residential	Commercial	Industrial	Transportation
<i>End Uses</i>	• Clothes dryer • Cooking • Domestic hot water • Fireplace • Pool & spa heaters • Space cooling • Space heating • Ventilation and circulation	• Cooking • Domestic Hot Water • Pools, Spas & Hot tubs • Space Heating	• Direct-fired heating • Heat Treating • Kilns • On-Site Power Generation • Ovens • Process Boilers • Product Drying • Space Heating • Water Heating	• Trans-ocean marine vessels • Transportation
<i>Vintages/ Existence</i> ¹	• Pre-1950 • 1950-1985 • 1986-2016 • 2016 or newer	• Existing • New	• Existing • New	• Existing • New

¹ The residential sector has Vintages to define time periods when residential dwellings are built. Existence Categories also apply to the residential vintages, as there is conversion of existing dwellings into new homes (i.e., renovations). 'New' residential dwellings do not appear until the first year of the reference case.





3 Model Structure

This section provides an overview of how models are structured and developed for use by Navigator.

3.1 Model Parameters

Exhibit 2 defines the six parameters² that provide the basic structure for Navigator models. A model is populated with data or assumptions for each parameter.

Exhibit 2 – Navigator Model Parameters

Parameter	Definition
Accounts³	Number of energy-using accounts.
Units	The basis for how energy consumption is expressed. The unit of analysis is unique to each sector (e.g., dwellings in the residential sector, square metres or square feet in the commercial sector and production capacity in the industrial sector).
Size	The change in average number of units per account, relative to the first year the account appears.
Saturation	For most end uses, saturation is the extent to which an end-use is present in a region and segment. ⁴
Fuel Share	The percentage of the energy end-use that is supplied by each fuel.
Unit Energy Consumption (UEC)	The amount of energy used by each end-use per unit.

Navigator calculates energy consumption at the sector, segment, existence category and end-use level using the following equation:

$$\text{Consumption} = \text{Units} \times \text{Saturation} \times \text{Fuel Share} \times \text{UEC}$$

Accounts and Size are used to scale Units, which appears in the consumption equation.

² Some of the model parameters are adjusted when necessary to reflect a distinct characteristic of a sector.

³ Because Posterity Group often builds models for utility clients, 'Accounts' refers to customer accounts. For models that are built for non-utility clients, an Account represents the relevant energy-using item such as houses, vehicles, or floor area.

⁴ A segment is a grouping or category of buildings (e.g., single-family detached in Residential, large offices in Commercial). Segments reflect the main purpose of the building and helps to differentiate between energy use intensity or patterns across building types within a sector.



3.2 Navigator Modules

Navigator has 'modules' to conduct specific sets of calculations depending on the analysis required. For any analysis, the Scenarios module is required because it provides the detailed breakdown of energy demand (and the basis for GHG emissions calculations) over the specified time horizon. Subsequent modules are used as required for each analysis. Each module contains functions that comprise the calculation arithmetic for processing the required inputs and producing the desired outputs. In addition to the components displayed in the diagram below (and explained by the subsequent sections of this document), Navigator also contains an aggregator function that allows users to output summarized results files whose file size is smaller than that of non-summarized results. The Energy Costs function can run and provide results independently from the Conservation Potential module, but this document presents the function under the Conservation Potential module because it is necessary for calculating the Conservation economic potential results.





5 Scenario Module

5.1 Overview

Navigator's Scenario module produces a detailed breakdown of jurisdictional energy demand over a specific time horizon. The granular output dataset contains the calculated energy demand values for each sector, region, fuel, rate class, end use, segment, and year. Each sector model begins with a base year that is calibrated to actual data (e.g., historical energy consumption or GHG emissions) then a scenario is generated for the specified time horizon using trends and assumptions about how each model parameter may change over time.

5.2 Input Files

The following input files are required for this module:

- Control, Sector Setup and Scenario
- Emit (optional)
- Fraction Solver (optional)
- Share Solver (optional)

5.3 Simulation Engine Processing Method & Calculations

5.3.1 Process Control, Sector Set Up and Scenario Input Files

Navigator reads in the input files in the following order: Control, Sector Setup, and then the Scenario File for each sector and scenario. The Control file provides information on the identification number of the model run, the folder locations for input and output files, the names of the other input files that are included in the model run, and the configuration of the sectors, scenarios, and regions for the model run. The Sector Setup file provides the numbers of accounts, the number of units (e.g., commercial floor space or number of residential dwellings), a size variable if units per account change over time, saturation of end uses, fuel share, unit energy consumption, and end use efficiency.

Once all the input data is read in, the scenario module in Navigator calculates accounts, units, end use count, energy consumption, tertiary load, and unit tertiary load, and emissions (optional) for every fuel required in the output. The following sub-sections provide details of the calculation method for each element of the Scenario module processing.

5.3.2 Calculate Accounts

First, the number of accounts for each year by region, rate class and segment are calculated. If the number of accounts increases, those present in the base year are be treated as existing accounts and the additional ones are be treated as new accounts.

5.3.3 Calculate Units

Units are the basis of analysis for Navigator. Units can be dwellings, appliances, vehicles, floor area, etc., and can be customized to the sector model and specific analysis. The unit energy consumption values (UEC) are expressed in terms of energy consumption per unit.





The scenario input file includes values for units for each combination of region, segment, and rate class, in the first year that contains accounts for that combination.

The other key input variable for units is the SIZE. The size factor allows the modeler to change the average size, in units, of the accounts over time in a given region, segment and rate class. For example, if the average size of schools in a region is expected to increase, the size factor can be adjusted to reflect this change. The input file has a row of SIZE numbers for all the years for each region (and, optionally, rate class) and segment. The SIZE number for the first year in which accounts occur is the starting point for the size factor calculation. In many cases, that will be the base year, but in cases where accounts in a region (and rate class) and segment do not appear until later in the scenario period, the SIZE number in that year will be the starting point and the earlier ones will be ignored. Subsequent size factors are always relative to the SIZE number in the first year where there are accounts.

Navigator separates units into existing units and new units, so that different saturations, fuel shares, and UECs can be applied to each. Existing units and accounts are defined as units and accounts that exist in the base year.

5.3.4 Calculate Energy Consumption

Finally, Navigator calculates end use count, energy consumption, tertiary load, and unit tertiary load which are defined by the following equations:

$$EndUseCount = Units * EndUseSaturation * FuelShare$$

Where: EndUseCount is the number of instances of this end use in this region, rate class, segment, existence category, and year

EndUseSaturation is a value read from the Scenario input file

FuelShare is a value read from the Scenario input file

$$Consumption = EndUseCount * UEC$$

Where: Consumption is the energy consumption of this end use in this region, rate class, segment, existence category, and year

EndUseCount is the number of instances of this end use in this region, rate class, segment, existence category, and year

UEC, or Unit Energy Consumption, is a value read from the Scenario input file

Calculate Tertiary, using the following equation:

$$Tertiary = Consumption * Efficiency$$

Where: Tertiary is the tertiary energy consumption, or useful energy supplied, for this end use in this region, rate class, segment, existence category, and year

Consumption is the energy consumption of this end use in this region, rate class, segment, existence category, and year

Efficiency is a value read from the Scenario input file

Calculate UnitTertiary, using the following equation:

$$UnitTertiary = Tertiary / EndUseSaturation$$

Where: UnitTertiary is the tertiary energy consumption for this end use in this region, rate class, segment, existence category, and year, if the end use saturation were 100% (exactly one instance of the end use per unit) and all of it were met by the current fuel.





Tertiary is the tertiary energy consumption, or useful energy supplied, for this end use in this region, rate class, segment, existence category, and year
EndUseSaturation is a value read from the Scenario input file

5.3.5 Emissions Function

If the emissions feature is being used, Navigator calculates annual emissions by multiplying the emission factor for each fuel by the annual consumption for that fuel.

5.3.6 Fraction Solver Function - Fuel Share Calculations

The fraction solver function is used when consumption of an existing fuel needs to be partially replaced with a new fuel at a *specific amount* (e.g., PJ's of RNG). The Fraction Solver function solves for the fraction of the existing fuel's fuel share that it needs to shift to the new fuel to hit the specific targets.

The fraction solver begins with fuel shares for the original fuel and calculates a total initial fuel share that is the sum of the original (or mother) fuel plus the initial fuel share of the new (or target) fuel for all applicable regions, segments, existence categories, end uses, and years. The fraction fuel share solver uses a simple binary search to find a factor for each bin and year that can be multiplied by the total mother fuel share values to reduce them. The amount of the reduction in all these fuel shares is given to the target fuel. When the consumption of the target fuel is equal to the target for a bin and year, that bin and year is solved. Simple binary solve is used because there tend to be a lot of step functions and nonlinearities in Navigator models, so more sophisticated solvers often will not converge.

The output of the Fraction Solver is a scenario input file, with the revised fuel shares. This 'new' scenario input file is processed by the simulation engine to produce output that meets the desired consumption amount for the specified fuels.

5.3.7 Share Solver Function - Fuel Share Calculations

The share solver function is designed to change the consumption of an existing fuel, to reach a target *percentage* change in the existing fuel by a target year (i.e., 5% blend of RNG). The target may be set based on an expected change due to a price signal or may be based on a policy objective.

The targets can be divided into different "bins" (for different regions or segments, for example). Navigator solves for the series of annual changes it needs to make to the existing fuel's share, to meet the change for each bin in the target year. The user can vary the relative amount of change in the intervening years by providing an array of responsiveness values – effectively an array of relative slopes.

Within a bin, the amount of change applied to a given end use and segment will vary depending on how "mobile" the fuel share is estimated to be for the end use in that specific segment. The assumption is that a fuel share that is close to 0% or 100% reflects a difficult end-use and segment to fuel switch, and the fuel share is therefore more difficult to change than for an end use with a starting fuel share near 50%.

The change in share for this fuel is taken from (or given to) the fuels that follow it in the sequence of fuel shares. In typical use, the fuel that is expected to absorb the change is placed at the end of the sequence of fuel share input rows and given a default share of 100%, so it will use whatever fuel share is left over after all the shares are specified for all the previous fuels.

An additional function the share solver can use to reach the target reduction in fuel use for a bin is to change the proportion of different new accounts being added to the population. The way this feature is typically used is when a given segment (vintage-size) is divided between those mainly heated by the





target fuel and those mainly heated by other fuels. The user specifies which segments are in matched pairs (for example, new gas-heated detached homes and new non-gas-heated detached homes), and the Navigator will modify the proportion of accounts it adds within the pair, to help meet the target reduction.

The Fuel Share Solver uses a simple binary search to find a factor for reducing the fuel share in each bin so that it reaches the target value in the target year. This factor becomes part of an equation for reducing the fuel share for the target fuel in each year, region, segment, and end use that is part of the bin. The reduction varies by year and by the starting value of the fuel share in each region, segment, and end use. In some cases, it is also used to change the percentage of newly constructed accounts that are heated primarily by the target fuel. When the consumption of the target fuel is equal to the objective in the target year, that bin is solved. If Navigator can't reach the target, for reasons such as limitations on how quickly equipment can be changed, the solving attempt for that bin stops. Simple binary solve is used because there tend to be a lot of step functions and nonlinearities in Navigator models, so more sophisticated solvers often will not converge.

In situations where the model will be adjusting the proportion of newly constructed accounts served by the target fuel, the fuel share solver is called twice. The first call solves the bins directly affected by the new construction adjustments – generally space heating – and leaves the other bins alone. Then the second call holds the new construction proportions constant and solves all the remaining bins. This is because if the proportion of new accounts is varying from one iteration to the next, the other bins generally cannot converge on a solution.

The output is a scenario input file, with the revised fuel shares for the existing fuel. This 'new' scenario input file is run through the simulation engine to produce output that reflects the revised fuel shares.



RESIDENTIAL

Residential End-Use Model Description

Introduction:

SoCalGas used the Navigator model to generate annual gas demand forecasts for the residential market. The software's market segmentation description and end-use modeling framework are presented in the previous section of the SoCalGas workpapers.

The SoCalGas residential segmentation contains the following five types:

Single-Family (SF)

Multi-Family ≤ 4 units (MF2)

Multi-Family > 4 units (MF3)

Master Metered (MM)

Sub-Metered (SM)

There are two vintages. These are "old" and "new". The classification termed old describes existing customers (established prior to the year 2021) whereas "new" describes the new meter hookups set up in year 2021 and beyond.

The residential model identifies eight end-uses that are the primary drivers of natural gas demand. These are:

space heating

water heating

cooking

clothes drying

barbecue

pool heating

spa heating

fireplace

other (miscellaneous)

A set of post-model adjustments were applied to the model's annual demand forecast. The first adjustment calibrates to the recorded 2025 weather-adjusted demand, or the "base" year demand. Next, the annual Navigator forecast was parceled out to a series of monthly forecasts by applying weights based on the customer's predicted monthly usage share in total annual consumption. The shares were applied to annual totals to derive the stream of monthly forecasts which are conditional on the particular weather design specification for the entire year. An adjustment to the forecast offsets the throughput by the energy efficiency (EE) savings. The forecast was also reduced by the Additional Achievable Fuel Substitution (AAFS) Scenario 1 Programs and incremental Codes and Standards (PiCS) from the California Energy Commission's 2025

Integrated Energy Policy Report (IEPR). The final adjustment applied to the forecast was for anticipated climate change. To account for anticipated weather that is “less cold” and more variable, the average year weather design was reduced by 6.6 fewer heating degree days each year over the forecast period for SoCalGas.

Tables 1-4 in the following section illustrate the residential monthly forecast under each of the weather design scenarios. Table 5 shows the out-of-model adjustments including the climate change, energy efficiency and fuel substitution used to prepare the final forecasts.

Data Sources:

The data used to populate the Navigator model template and used to generate the unadjusted base forecast includes historical base year consumption and customer counts, price elasticities, historical meter counts (total and by vintage type), use per customer (total and by vintage type), saturation, fuel shares, and the unit energy consumption (UEC) values. The 2025 historical data is in Table 6. Tables 7-12 show accounts, units, saturations, fuel shares, UECs, and the inflation-adjusted rate forecasts for this market.

Southern California Gas Company
Residential Demand Forecast (Mdth)
Average Temperature
Table Res-1

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	30,408	25,443	22,959	16,466	13,087	11,851	11,223	10,748	10,238	12,657	20,013	31,765	216,858
2026	30,011	25,111	22,667	16,268	12,941	11,732	11,113	10,643	10,137	12,525	19,772	31,351	214,271
2027	29,562	24,735	22,335	16,041	12,773	11,593	10,984	10,519	10,018	12,371	19,497	30,883	211,311
2028	29,091	24,340	21,986	15,802	12,595	11,446	10,847	10,388	9,892	12,208	19,206	30,392	208,194
2029	28,616	23,942	21,635	15,561	12,416	11,296	10,708	10,255	9,765	12,043	18,913	29,895	205,044
2030	28,177	23,574	21,311	15,340	12,252	11,161	10,583	10,135	9,650	11,894	18,645	29,438	202,160
2031	27,736	23,205	20,985	15,117	12,088	11,025	10,457	10,015	9,534	11,743	18,374	28,978	199,255
2032	27,303	22,842	20,665	14,899	11,926	10,892	10,334	9,897	9,421	11,596	18,109	28,526	196,408
2033	26,938	22,537	20,397	14,718	11,795	10,787	10,236	9,804	9,331	11,477	17,889	28,146	194,055
2034	26,587	22,242	20,139	14,544	11,669	10,686	10,144	9,715	9,246	11,365	17,678	27,779	191,795
2035	26,223	21,937	19,871	14,364	11,538	10,581	10,046	9,622	9,156	11,246	17,459	27,399	189,442
2036	25,909	21,674	19,641	14,210	11,429	10,495	9,968	9,547	9,084	11,149	17,272	27,072	187,450
2037	25,595	21,411	19,411	14,057	11,319	10,409	9,889	9,472	9,011	11,052	17,086	26,745	185,457
2038	25,288	21,154	19,187	13,907	11,213	10,326	9,813	9,399	8,941	10,958	16,904	26,425	183,517
2039	24,995	20,908	18,973	13,765	11,112	10,248	9,742	9,332	8,876	10,870	16,732	26,120	181,674
2040	24,713	20,672	18,768	13,629	11,016	10,175	9,675	9,268	8,814	10,786	16,566	25,826	179,908

Southern California Gas Company
Residential Demand Forecast (Mdt)
Cold Temperature
Table Res-2

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	34,025	28,486	25,435	17,844	13,745	11,978	11,249	10,768	10,291	12,984	21,684	35,522	234,010
2026	33,636	28,159	25,147	17,648	13,601	11,859	11,139	10,663	10,190	12,853	21,446	35,115	231,455
2027	33,187	27,783	24,815	17,421	13,432	11,720	11,010	10,539	10,071	12,699	21,170	34,647	228,494
2028	32,718	27,390	24,468	17,183	13,255	11,573	10,873	10,408	9,946	12,536	20,881	34,158	225,389
2029	32,245	26,994	24,119	16,943	13,076	11,423	10,734	10,275	9,818	12,371	20,589	33,665	222,253
2030	31,810	26,630	23,797	16,723	12,913	11,288	10,609	10,156	9,703	12,222	20,322	33,211	219,384
2031	31,370	26,262	23,472	16,501	12,749	11,153	10,483	10,035	9,587	12,072	20,052	32,752	216,487
2032	30,940	25,901	23,154	16,284	12,588	11,020	10,360	9,917	9,474	11,925	19,788	32,303	213,655
2033	30,580	25,599	22,889	16,105	12,458	10,914	10,262	9,824	9,385	11,807	19,571	31,928	211,320
2034	30,233	25,308	22,634	15,932	12,333	10,814	10,170	9,735	9,299	11,694	19,362	31,566	209,080
2035	29,872	25,006	22,368	15,753	12,202	10,708	10,072	9,642	9,210	11,576	19,143	31,189	206,743
2036	29,564	24,748	22,143	15,602	12,094	10,623	9,994	9,567	9,137	11,480	18,960	30,868	204,780
2037	29,254	24,488	21,916	15,450	11,985	10,537	9,915	9,492	9,065	11,383	18,775	30,545	202,807
2038	28,950	24,233	21,693	15,301	11,879	10,454	9,839	9,420	8,995	11,289	18,595	30,228	200,877
2039	28,659	23,990	21,481	15,160	11,779	10,377	9,769	9,352	8,929	11,201	18,423	29,925	199,044
2040	28,379	23,754	21,276	15,024	11,683	10,303	9,702	9,288	8,868	11,117	18,259	29,632	197,285

Southern California Gas Company
Residential Demand Forecast (Mdt)
Hot Temperature
Table Res-3

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	26,790	22,400	20,483	15,089	12,428	11,724	11,197	10,728	10,185	12,330	18,343	28,008	199,706
2026	26,387	22,062	20,186	14,888	12,281	11,605	11,087	10,622	10,084	12,197	18,099	27,587	197,087
2027	25,938	21,686	19,854	14,661	12,113	11,466	10,958	10,499	9,965	12,043	17,823	27,119	194,127
2028	25,465	21,290	19,505	14,422	11,935	11,319	10,821	10,368	9,839	11,880	17,532	26,625	191,000
2029	24,986	20,889	19,151	14,179	11,755	11,169	10,682	10,235	9,711	11,715	17,238	26,126	187,836
2030	24,544	20,519	18,824	13,957	11,591	11,034	10,557	10,115	9,596	11,565	16,967	25,665	184,935
2031	24,101	20,148	18,497	13,734	11,426	10,898	10,431	9,994	9,480	11,414	16,696	25,203	182,023
2032	23,665	19,782	18,175	13,514	11,264	10,765	10,308	9,877	9,367	11,267	16,430	24,748	179,162
2033	23,297	19,474	17,905	13,332	11,132	10,659	10,210	9,783	9,278	11,148	16,208	24,364	176,790
2034	22,941	19,176	17,644	13,156	11,006	10,559	10,118	9,695	9,192	11,035	15,995	23,993	174,509
2035	22,573	18,868	17,374	12,974	10,874	10,453	10,020	9,602	9,103	10,916	15,774	23,610	172,140
2036	22,254	18,600	17,140	12,819	10,763	10,367	9,942	9,527	9,030	10,819	15,585	23,276	170,120
2037	21,936	18,333	16,907	12,664	10,653	10,281	9,863	9,452	8,957	10,721	15,397	22,944	168,108
2038	21,627	18,074	16,681	12,513	10,546	10,198	9,787	9,379	8,887	10,627	15,214	22,622	166,157
2039	21,332	17,827	16,466	12,370	10,445	10,120	9,716	9,311	8,822	10,538	15,040	22,315	164,303
2040	21,048	17,589	16,259	12,234	10,349	10,047	9,649	9,247	8,760	10,454	14,874	22,019	162,530

Southern California Gas Company
Residential Demand Forecast (Mdth)
Base Temperature
Table Res-4

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	10,827	9,779	10,827	10,478	10,827	10,478	10,827	10,827	10,478	10,827	10,478	10,827	127,481
2026	10,593	9,568	10,593	10,252	10,593	10,252	10,593	10,593	10,252	10,593	10,252	10,593	124,727
2027	10,342	9,341	10,342	10,008	10,342	10,008	10,342	10,342	10,008	10,342	10,008	10,342	121,767
2028	10,072	9,098	10,072	9,748	10,072	9,748	10,072	10,072	9,748	10,072	9,748	10,072	118,595
2029	9,799	8,850	9,799	9,483	9,799	9,483	9,799	9,799	9,483	9,799	9,483	9,799	115,372
2030	9,547	8,623	9,547	9,239	9,547	9,239	9,547	9,547	9,239	9,547	9,239	9,547	112,405
2031	9,297	8,397	9,297	8,997	9,297	8,997	9,297	9,297	8,997	9,297	8,997	9,297	109,459
2032	9,048	8,173	9,048	8,757	9,048	8,757	9,048	9,048	8,757	9,048	8,757	9,048	106,538
2033	8,840	7,985	8,840	8,555	8,840	8,555	8,840	8,840	8,555	8,840	8,555	8,840	104,088
2034	8,639	7,803	8,639	8,361	8,639	8,361	8,639	8,639	8,361	8,639	8,361	8,639	101,721
2035	8,432	7,616	8,432	8,160	8,432	8,160	8,432	8,432	8,160	8,432	8,160	8,432	99,283
2036	8,251	7,452	8,251	7,984	8,251	7,984	8,251	8,251	7,984	8,251	7,984	8,251	97,144
2037	8,073	7,292	8,073	7,812	8,073	7,812	8,073	8,073	7,812	8,073	7,812	8,073	95,051
2038	7,903	7,138	7,903	7,648	7,903	7,648	7,903	7,903	7,648	7,903	7,648	7,903	93,052
2039	7,742	6,993	7,742	7,492	7,742	7,492	7,742	7,742	7,492	7,742	7,492	7,742	91,156
2040	7,589	6,855	7,589	7,344	7,589	7,344	7,589	7,589	7,344	7,589	7,344	7,589	89,354

**Southern California Gas Company
Residential
Out-Of-Model Adjustments (Mdth)
Table Res-5**

Year	Climate Change	Energy Efficiency	AAFS
2025	0	0	0
2026	-479	-1,517	-996
2027	-957	-3,082	-1,912
2028	-1,436	-4,593	-3,174
2029	-1,917	-6,067	-4,546
2030	-2,398	-7,411	-5,805
2031	-2,879	-8,738	-7,002
2032	-3,362	-10,065	-8,220
2033	-3,846	-11,388	-9,000
2034	-4,332	-12,707	-9,715
2035	-4,818	-14,031	-10,465
2036	-5,309	-15,350	-11,004
2037	-5,798	-16,662	-11,437
2038	-6,285	-18,040	-11,655
2039	-6,772	-19,418	-11,761
2040	-7,259	-20,795	-11,751

**Southern California Gas Company
Residential
Base Year Throughput and Customer Counts
Table Res-6**

Business Type	2025 Weather- adjusted Therm Sales	2025 Meter Count	2025 Meter Count of Existing customers	2025 Meter Count of New Customers	Avg Use Per Meter of Existing Customers	Avg Use Per Meter of New Customers	Units Per Meter	Price Elasticity
SF	1,534,768,886	3,891,915	3,786,148	105,767	398	276	1	-0.05865
MF2	156,868,301	578,003	558,841	19,162	274	195	1	-0.04378
MF3	312,183,258	1,257,748	1,225,976	31,772	249	198	1	-0.03035
MM	132,903,702	36,656	35,864	792	3,439	12,100	19	-0.01933
SM	31,853,830	1,350	1,350	-	23,595	-	84	-0.05843
Total	2,168,577,977	5,765,672						

Southern California Gas Company
Residential
Accounts
Table Res-7

Segment ID	2025	2026	2027	2028	2029	2030	2031	2032
SF_vint_old	3,786,148	3,775,128	3,765,754	3,756,602	3,747,304	3,737,918	3,728,535	3,719,150
SF_vint_NEW	105,767	126,134	146,559	167,043	187,585	208,186	228,845	249,563
MF2_vint_old	558,841	556,850	555,101	553,384	551,645	549,891	548,137	546,382
MF2_vint_NEW	19,162	22,532	25,912	29,301	32,700	36,109	39,527	42,955
MF3_vint_old	1,225,976	1,223,002	1,220,562	1,218,195	1,215,783	1,213,345	1,210,909	1,208,474
MF3_vint_NEW	31,772	37,758	43,760	49,780	55,817	61,871	67,942	74,031
MM_vint_old	35,864	35,792	35,737	35,683	35,628	35,572	35,517	35,461
MM_vint_NEW	792	952	1,112	1,273	1,435	1,597	1,759	1,922
SM_vint_old	1,350	1,305	1,260	1,215	1,169	1,124	1,079	1,034
SM_vint_NEW	0	0	0	0	0	0	0	0

Segment ID	2033	2034	2035	2036	2037	2038	2039	2040
SF_vint_old	3,709,633	3,699,874	3,689,836	3,679,469	3,668,736	3,657,602	3,646,000	3,633,939
SF_vint_NEW	270,339	291,174	312,064	333,010	354,009	375,059	396,159	417,306
MF2_vint_old	544,606	542,793	540,938	539,033	537,073	535,053	532,963	530,803
MF2_vint_NEW	46,393	49,841	53,297	56,763	60,238	63,721	67,212	70,712
MF3_vint_old	1,205,999	1,203,446	1,200,805	1,198,059	1,195,197	1,192,206	1,189,065	1,185,777
MF3_vint_NEW	80,137	86,260	92,399	98,554	104,726	110,912	117,113	123,328
MM_vint_old	35,405	35,346	35,285	35,220	35,152	35,081	35,005	34,925
MM_vint_NEW	2,085	2,249	2,413	2,577	2,742	2,908	3,073	3,239
SM_vint_old	989	944	899	853	808	763	718	673
SM_vint_NEW	0	0	0	0	0	0	0	0

Note: For each business segment in the above and following tables in this section, there is a postfix that "vint_old" refers to the vintage on and before 2020 while "vint_new" refers to the vintage after 2020.

**Southern California Gas Company
Residential
Units
Table Res-8**

Segment ID	Units
SF_vint_old	3,786,148
SF_vint_NEW	105,767
MF2_vint_old	558,841
MF2_vint_NEW	19,162
MF3_vint_old	1,225,976
MF3_vint_NEW	31,772
MM_vint_old	680,721
MM_vint_NEW	15,033
SM_vint_old	113,147
SM_vint_NEW	0

Southern California Gas Company
Residential
Saturation
Table Res-9.1

Saturation	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SATURATION	Ex	SF_vint_old	Barbecue	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SATURATION	Ex	SF_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Drying	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	Ex	SF_vint_old	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	SF_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Pool	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
SATURATION	Ex	SF_vint_old	Spa	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SATURATION	Ex	SF_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Barbecue	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SATURATION	Ex	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Drying	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	Ex	SF_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Pool	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SATURATION	Ex	SF_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	SF_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Barbecue	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SATURATION	Ex	MF2_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Drying	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SATURATION	Ex	MF2_vint_old	Fireplace	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	Ex	MF2_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF2_vint_old	Spa	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
SATURATION	Ex	MF2_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Barbecue	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SATURATION	Ex	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Drying	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	MF2_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF2_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	MF2_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Barbecue	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	MF3_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Drying	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
SATURATION	Ex	MF3_vint_old	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	MF3_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF3_vint_old	Spa	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SATURATION	Ex	MF3_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Barbecue	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SATURATION	Ex	MF3_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF3_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	MF3_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

[illegible]

[illegible]

Southern California Gas Company
Residential
Saturation
Table Res-9.2

Saturation	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	Ex	SF_vint_old	Barbecue	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SATURATION	Ex	SF_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Drying	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	Ex	SF_vint_old	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	SF_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Pool	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
SATURATION	Ex	SF_vint_old	Spa	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SATURATION	Ex	SF_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Barbecue	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SATURATION	Ex	SF_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Drying	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	Ex	SF_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Pool	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SATURATION	Ex	SF_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	SF_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	SF_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Barbecue	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SATURATION	Ex	MF2_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Drying	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SATURATION	Ex	MF2_vint_old	Fireplace	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SATURATION	Ex	MF2_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF2_vint_old	Spa	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
SATURATION	Ex	MF2_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Barbecue	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SATURATION	Ex	MF2_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Drying	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	MF2_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF2_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	MF2_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF2_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Barbecue	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	MF3_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Drying	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
SATURATION	Ex	MF3_vint_old	Fireplace	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	MF3_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF3_vint_old	Spa	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SATURATION	Ex	MF3_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Barbecue	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	MF3_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SATURATION	Ex	MF3_vint_NEW	Fireplace	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SATURATION	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MF3_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	Ex	MF3_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MF3_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MM_vint_old	Barbecue	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	Ex	MM_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MM_vint_old	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SATURATION	Ex	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MM_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	MM_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

SATURATION	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MF3_vint_NEW	Spa	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SATURATION	New	MF3_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MF3_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_old	Barbecue	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	MM_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_old	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SATURATION	New	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	MM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	MM_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	MM_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_old	Barbecue	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	SM_vint_old	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_old	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SATURATION	New	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_old	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_NEW	Barbecue	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	SM_vint_NEW	Cooking	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_NEW	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	SM_vint_NEW	Space_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	SM_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

Southern California Gas Company
Residential
Gas Fuel Market Shares
Table Res-10.1

Share	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SHARE	Ex	SF_vint_old	Barbecue	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	SF_vint_old	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	SF_vint_old	Drying	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	SF_vint_old	Fireplace	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SHARE	Ex	SF_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	SF_vint_old	Pool	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SHARE	Ex	SF_vint_old	Spa	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	Ex	SF_vint_old	Space_Heat	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SHARE	Ex	SF_vint_old	Water_Heat	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
SHARE	Ex	SF_vint_NEW	Barbecue	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	SF_vint_NEW	Cooking	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SHARE	Ex	SF_vint_NEW	Drying	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
SHARE	Ex	SF_vint_NEW	Fireplace	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	SF_vint_NEW	Pool	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	SF_vint_NEW	Spa	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	Ex	SF_vint_NEW	Space_Heat	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SHARE	Ex	SF_vint_NEW	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SHARE	Ex	MF2_vint_old	Barbecue	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	MF2_vint_old	Cooking	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	MF2_vint_old	Drying	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	Ex	MF2_vint_old	Fireplace	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	Ex	MF2_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF2_vint_old	Spa	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	MF2_vint_old	Space_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	MF2_vint_old	Water_Heat	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SHARE	Ex	MF2_vint_NEW	Barbecue	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	Ex	MF2_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
SHARE	Ex	MF2_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	MF2_vint_NEW	Fireplace	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
SHARE	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF2_vint_NEW	Spa	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	MF2_vint_NEW	Space_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	MF2_vint_NEW	Water_Heat	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SHARE	Ex	MF3_vint_old	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	Ex	MF3_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	MF3_vint_old	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	Ex	MF3_vint_old	Fireplace	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SHARE	Ex	MF3_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF3_vint_old	Spa	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	Ex	MF3_vint_old	Space_Heat	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
SHARE	Ex	MF3_vint_old	Water_Heat	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	Ex	MF3_vint_NEW	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	Ex	MF3_vint_NEW	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	MF3_vint_NEW	Drying	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	Ex	MF3_vint_NEW	Fireplace	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SHARE	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

SHARE	Ex	MF3_vint_NEW	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	MF3_vint_NEW	Water_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	MM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	MM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	MM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_old	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	Ex	MM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MM_vint_NEW	Barbecue	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	MM_vint_NEW	Cooking	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	MM_vint_NEW	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MM_vint_NEW	Space_Heat	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	Ex	MM_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	SM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	SM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	SM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_old	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	Ex	SM_vint_old	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	Ex	SM_vint_NEW	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	SM_vint_NEW	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	SM_vint_NEW	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	Ex	SM_vint_NEW	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SF_vint_old	Barbecue	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	SF_vint_old	Cooking	0.80							

SHARE	New	MF3_vint_old	Water_Heat	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	New	MF3_vint_NEW	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	New	MF3_vint_NEW	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	New	MF3_vint_NEW	Drying	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	New	MF3_vint_NEW	Fireplace	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SHARE	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	MF3_vint_NEW	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	MF3_vint_NEW	Water_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	MM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	MM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	MM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	MM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	MM_vint_NEW	Barbecue	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	MM_vint_NEW	Cooking	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	MM_vint_NEW	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Space_Heat	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	New	MM_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	SM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	SM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	SM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_old	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_NEW	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	SM_vint_NEW	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_NEW	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93

Southern California Gas Company
Residential
Gas Fuel Market Shares
Table Res-10.2

Share	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SHARE	Ex	SF_vint_old	Barbecue	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	SF_vint_old	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	SF_vint_old	Drying	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	SF_vint_old	Fireplace	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SHARE	Ex	SF_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	SF_vint_old	Pool	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
SHARE	Ex	SF_vint_old	Spa	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	Ex	SF_vint_old	Space_Heat	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
SHARE	Ex	SF_vint_old	Water_Heat	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
SHARE	Ex	SF_vint_NEW	Barbecue	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	SF_vint_NEW	Cooking	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SHARE	Ex	SF_vint_NEW	Drying	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
SHARE	Ex	SF_vint_NEW	Fireplace	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	Ex	SF_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	SF_vint_NEW	Pool	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	SF_vint_NEW	Spa	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	Ex	SF_vint_NEW	Space_Heat	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SHARE	Ex	SF_vint_NEW	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SHARE	Ex	MF2_vint_old	Barbecue	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	MF2_vint_old	Cooking	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	MF2_vint_old	Drying	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SHARE	Ex	MF2_vint_old	Fireplace	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	Ex	MF2_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF2_vint_old	Spa	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	MF2_vint_old	Space_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	MF2_vint_old	Water_Heat	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SHARE	Ex	MF2_vint_NEW	Barbecue	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	Ex	MF2_vint_NEW	Cooking	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
SHARE	Ex	MF2_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	Ex	MF2_vint_NEW	Fireplace	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
SHARE	Ex	MF2_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF2_vint_NEW	Spa	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	MF2_vint_NEW	Space_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	MF2_vint_NEW	Water_Heat	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SHARE	Ex	MF3_vint_old	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	Ex	MF3_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	MF3_vint_old	Drying	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	Ex	MF3_vint_old	Fireplace	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
SHARE	Ex	MF3_vint_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF3_vint_old	Spa	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	Ex	MF3_vint_old	Space_Heat	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
SHARE	Ex	MF3_vint_old	Water_Heat	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	Ex	MF3_vint_NEW	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	Ex	MF3_vint_NEW	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	Ex	MF3_vint_NEW	Drying	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	Ex	MF3_vint_NEW	Fireplace	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SHARE	Ex	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

SHARE	New	MF3_vint_old	Water_Heat	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
SHARE	New	MF3_vint_NEW	Barbecue	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
SHARE	New	MF3_vint_NEW	Cooking	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SHARE	New	MF3_vint_NEW	Drying	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
SHARE	New	MF3_vint_NEW	Fireplace	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
SHARE	New	MF3_vint_NEW	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MF3_vint_NEW	Spa	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	MF3_vint_NEW	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	MF3_vint_NEW	Water_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	MM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	MM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	MM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	MM_vint_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	MM_vint_NEW	Barbecue	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	MM_vint_NEW	Cooking	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	MM_vint_NEW	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	MM_vint_NEW	Space_Heat	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	New	MM_vint_NEW	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	SM_vint_old	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	SM_vint_old	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	SM_vint_old	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_old	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_old	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_NEW	Barbecue	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	SM_vint_NEW	Cooking	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	SM_vint_NEW	Drying	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
SHARE	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	SM_vint_NEW	Space_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
SHARE	New	SM_vint_NEW	Water_Heat	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93

Southern California Gas Company
Residential
Average Gas Consumption Per Unit (therm)
Table Res-11.1

UEC	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
UEC	Ex	SF_vint_old	Barbecue	13.69	13.70	13.68	13.66	13.65	13.64	13.62	13.61
UEC	Ex	SF_vint_old	Cooking	26.56	26.58	26.53	26.51	26.48	26.46	26.43	26.41
UEC	Ex	SF_vint_old	Drying	27.97	28.00	27.95	27.92	27.90	27.88	27.84	27.82
UEC	Ex	SF_vint_old	Fireplace	10.24	10.25	10.23	10.22	10.21	10.21	10.19	10.19
UEC	Ex	SF_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SF_vint_old	Pool	133.85	133.97	133.74	133.60	133.48	133.39	133.22	133.11
UEC	Ex	SF_vint_old	Spa	90.80	90.88	90.72	90.63	90.55	90.48	90.37	90.30
UEC	Ex	SF_vint_old	Space_Heat	221.27	221.47	221.09	220.85	220.66	220.51	220.23	220.05
UEC	Ex	SF_vint_old	Water_Heat	115.69	115.79	115.59	115.46	115.37	115.28	115.14	115.05
UEC	Ex	SF_vint_NEW	Barbecue	11.34	11.35	11.33	11.32	11.31	11.30	11.29	11.28
UEC	Ex	SF_vint_NEW	Cooking	21.96	21.98	21.94	21.92	21.90	21.88	21.86	21.84
UEC	Ex	SF_vint_NEW	Drying	23.13	23.15	23.11	23.09	23.07	23.05	23.02	23.01
UEC	Ex	SF_vint_NEW	Fireplace	8.49	8.50	8.48	8.47	8.47	8.46	8.45	8.44
UEC	Ex	SF_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SF_vint_NEW	Pool	110.82	110.92	110.73	110.61	110.51	110.44	110.30	110.21
UEC	Ex	SF_vint_NEW	Spa	75.42	75.49	75.36	75.27	75.21	75.16	75.06	75.00
UEC	Ex	SF_vint_NEW	Space_Heat	182.97	183.13	182.81	182.62	182.46	182.33	182.11	181.95
UEC	Ex	SF_vint_NEW	Water_Heat	95.66	95.74	95.58	95.47	95.39	95.33	95.21	95.13
UEC	Ex	MF2_vint_old	Barbecue	14.10	14.11	14.09	14.08	14.07	14.06	14.05	14.04
UEC	Ex	MF2_vint_old	Cooking	28.33	28.35	28.31	28.29	28.27	28.25	28.23	28.21
UEC	Ex	MF2_vint_old	Drying	30.22	30.24	30.20	30.17	30.15	30.14	30.11	30.09
UEC	Ex	MF2_vint_old	Fireplace	6.43	6.44	6.43	6.42	6.42	6.42	6.41	6.41
UEC	Ex	MF2_vint_old	Other	18.80	18.81	18.79	18.77	18.76	18.75	18.73	18.72
UEC	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF2_vint_old	Spa	55.42	55.46	55.39	55.34	55.31	55.28	55.23	55.19
UEC	Ex	MF2_vint_old	Space_Heat	132.87	132.96	132.79	132.68	132.60	132.53	132.40	132.32
UEC	Ex	MF2_vint_old	Water_Heat	109.19	109.26	109.12	109.03	108.96	108.90	108.80	108.73
UEC	Ex	MF2_vint_NEW	Barbecue	10.01	10.02	10.00	9.99	9.99	9.98	9.97	9.97
UEC	Ex	MF2_vint_NEW	Cooking	19.96	19.97	19.95	19.93	19.92	19.91	19.89	19.88
UEC	Ex	MF2_vint_NEW	Drying	21.35	21.36	21.34	21.32	21.31	21.29	21.27	21.26
UEC	Ex	MF2_vint_NEW	Fireplace	6.43	6.44	6.43	6.42	6.42	6.42	6.41	6.41
UEC	Ex	MF2_vint_NEW	Other	18.80	18.81	18.79	18.77	18.76	18.75	18.73	18.72
UEC	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF2_vint_NEW	Spa	55.42	55.46	55.39	55.34	55.31	55.28	55.23	55.19
UEC	Ex	MF2_vint_NEW	Space_Heat	93.63	93.69	93.57	93.49	93.43	93.38	93.30	93.24
UEC	Ex	MF2_vint_NEW	Water_Heat	76.94	76.99	76.89	76.83	76.78	76.74	76.67	76.62
UEC	Ex	MF3_vint_old	Barbecue	11.90	11.90	11.89	11.89	11.88	11.88	11.87	11.86
UEC	Ex	MF3_vint_old	Cooking	20.41	20.42	20.40	20.39	20.38	20.37	20.36	20.35
UEC	Ex	MF3_vint_old	Drying	20.20	20.21	20.19	20.18	20.17	20.17	20.15	20.15
UEC	Ex	MF3_vint_old	Fireplace	5.23	5.23	5.22	5.22	5.22	5.22	5.21	5.21
UEC	Ex	MF3_vint_old	Other	42.60	42.62	42.59	42.56	42.54	42.53	42.50	42.48
UEC	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF3_vint_old	Spa	45.34	45.36	45.32	45.30	45.28	45.26	45.23	45.21
UEC	Ex	MF3_vint_old	Space_Heat	124.85	124.91	124.80	124.73	124.67	124.63	124.55	124.50
UEC	Ex	MF3_vint_old	Water_Heat	99.36	99.41	99.32	99.26	99.22	99.18	99.12	99.08
UEC	Ex	MF3_vint_NEW	Barbecue	7.84	7.85	7.84	7.84	7.83	7.83	7.83	7.82
UEC	Ex	MF3_vint_NEW	Cooking	13.33	13.34	13.33	13.32	13.31	13.31	13.30	13.30
UEC	Ex	MF3_vint_NEW	Drying	13.37	13.38	13.37	13.36	13.35	13.35	13.34	13.33
UEC	Ex	MF3_vint_NEW	Fireplace	5.23	5.23	5.22	5.22	5.22	5.22	5.21	5.21
UEC	Ex	MF3_vint_NEW	Other	42.60	42.62	42.59	42.56	42.54	42.53	42.50	42.48
UEC	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF3_vint_NEW	Spa	45.34	45.36	45.32	45.30	45.28	45.26	45.23	45.21

UEC	Ex	MF3_vint_NEW	Space_Heat	83.81	83.84	83.77	83.72	83.69	83.65	83.60	83.56
UEC	Ex	MF3_vint_NEW	Water_Heat	68.40	68.43	68.37	68.33	68.30	68.27	68.23	68.20
UEC	Ex	MM_vint_old	Barbecue	12.92	12.93	12.92	12.92	12.91	12.91	12.90	12.90
UEC	Ex	MM_vint_old	Cooking	23.61	23.62	23.61	23.60	23.59	23.59	23.58	23.57
UEC	Ex	MM_vint_old	Drying	23.68	23.69	23.68	23.67	23.66	23.65	23.65	23.64
UEC	Ex	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Space_Heat	84.42	84.44	84.39	84.36	84.34	84.32	84.29	84.26
UEC	Ex	MM_vint_old	Water_Heat	84.44	84.46	84.42	84.39	84.36	84.34	84.31	84.29
UEC	Ex	MM_vint_NEW	Barbecue	16.12	16.13	16.12	16.11	16.11	16.10	16.10	16.09
UEC	Ex	MM_vint_NEW	Cooking	30.02	30.02	30.01	30.00	29.99	29.98	29.97	29.96
UEC	Ex	MM_vint_NEW	Drying	29.77	29.78	29.77	29.75	29.75	29.74	29.73	29.72
UEC	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Space_Heat	107.31	107.34	107.28	107.25	107.22	107.19	107.15	107.12
UEC	Ex	MM_vint_NEW	Water_Heat	107.34	107.37	107.31	107.27	107.24	107.22	107.17	107.14
UEC	Ex	SM_vint_old	Barbecue	11.55	11.56	11.54	11.53	11.52	11.51	11.50	11.49
UEC	Ex	SM_vint_old	Cooking	21.85	21.87	21.83	21.81	21.79	21.78	21.75	21.73
UEC	Ex	SM_vint_old	Drying	23.88	23.90	23.86	23.83	23.81	23.79	23.76	23.74
UEC	Ex	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Space_Heat	174.05	174.21	173.91	173.72	173.57	173.45	173.24	173.09
UEC	Ex	SM_vint_old	Water_Heat	100.13	100.23	100.05	99.94	99.86	99.79	99.66	99.58
UEC	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_NEW	Barbecue	11.34	11.35	11.33	11.32	11.31	11.30	11.29	11.28
UEC	New	SF_vint_NEW	Cooking	21.96	21.98	21.94	21.92	21.90	21.88	21.86	21.84
UEC	New	SF_vint_NEW	Drying	23.13	23.15	23.11	23.09	23.07	23.05	23.02	23.01
UEC	New	SF_vint_NEW	Fireplace	8.49	8.50	8.48	8.47	8.47	8.46	8.45	8.44
UEC	New	SF_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_NEW	Pool	110.82	110.92	110.73	110.61	110.51	110.44	110.30	110.21
UEC	New	SF_vint_NEW	Spa	75.42	75.49	75.36	75.27	75.21	75.16	75.06	75.00
UEC	New	SF_vint_NEW	Space_Heat	182.97	183.13	182.81	182.62	182.46	182.33	182.11	181.95
UEC	New	SF_vint_NEW	Water_Heat	95.66	95.74	95.58	95.47	95.39	95.33	95.21	95.13
UEC	New	MF2_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_NEW	Barbecue	10.01	10.02	10.00	9.99	9.99	9.98	9.97	9.97
UEC	New	MF2_vint_NEW	Cooking	19.96	19.97	19.95	19.93	19.92	19.91	19.89	19.88
UEC	New	MF2_vint_NEW	Drying	21.35	21.36	21.34	21.32	21.31	21.29	21.27	21.26
UEC	New	MF2_vint_NEW	Fireplace	6.43	6.44	6.43	6.42	6.42	6.42	6.41	6.41
UEC	New	MF2_vint_NEW	Other	18.80	18.81	18.79	18.77	18.76	18.75	18.73	18.72
UEC	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_NEW	Spa	55.42	55.46	55.39	55.34	55.31	55.28	55.23	55.19
UEC	New	MF2_vint_NEW	Space_Heat	93.63	93.69	93.57	93.49	93.43	93.38	93.30	93.24
UEC	New	MF2_vint_NEW	Water_Heat	76.94	76.99	76.89	76.83	76.78	76.74	76.67	76.62
UEC	New	MF3_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

UEC	New	MF3_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_NEW	Barbecue	7.84	7.85	7.84	7.84	7.83	7.83	7.83	7.82
UEC	New	MF3_vint_NEW	Cooking	13.33	13.34	13.33	13.32	13.31	13.31	13.30	13.30
UEC	New	MF3_vint_NEW	Drying	13.37	13.38	13.37	13.36	13.35	13.35	13.34	13.33
UEC	New	MF3_vint_NEW	Fireplace	5.23	5.23	5.22	5.22	5.22	5.22	5.21	5.21
UEC	New	MF3_vint_NEW	Other	42.60	42.62	42.59	42.56	42.54	42.53	42.50	42.48
UEC	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_NEW	Spa	45.34	45.36	45.32	45.30	45.28	45.26	45.23	45.21
UEC	New	MF3_vint_NEW	Space_Heat	83.81	83.84	83.77	83.72	83.69	83.65	83.60	83.56
UEC	New	MF3_vint_NEW	Water_Heat	68.40	68.43	68.37	68.33	68.30	68.27	68.23	68.20
UEC	New	MM_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Barbecue	16.12	16.13	16.12	16.11	16.11	16.10	16.10	16.09
UEC	New	MM_vint_NEW	Cooking	30.02	30.02	30.01	30.00	29.99	29.98	29.97	29.96
UEC	New	MM_vint_NEW	Drying	29.77	29.78	29.77	29.75	29.75	29.74	29.73	29.72
UEC	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Space_Heat	107.31	107.34	107.28	107.25	107.22	107.19	107.15	107.12
UEC	New	MM_vint_NEW	Water_Heat	107.34	107.37	107.31	107.27	107.24	107.22	107.17	107.14
UEC	New	SM_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Southern California Gas Company
Residential
Average Gas Consumption Per Unit (therm)
Table Res-11.2

UEC	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
UEC	Ex	SF_vint_old	Barbecue	13.61	13.60	13.59	13.60	13.60	13.59	13.58	13.57
UEC	Ex	SF_vint_old	Cooking	26.40	26.39	26.37	26.38	26.38	26.36	26.35	26.33
UEC	Ex	SF_vint_old	Drying	27.80	27.80	27.78	27.79	27.78	27.77	27.75	27.73
UEC	Ex	SF_vint_old	Fireplace	10.18	10.18	10.17	10.17	10.17	10.17	10.16	10.15
UEC	Ex	SF_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SF_vint_old	Pool	133.04	133.00	132.92	132.97	132.94	132.86	132.79	132.70
UEC	Ex	SF_vint_old	Spa	90.25	90.22	90.17	90.20	90.18	90.13	90.08	90.02
UEC	Ex	SF_vint_old	Space_Heat	219.93	219.86	219.74	219.81	219.77	219.64	219.51	219.37
UEC	Ex	SF_vint_old	Water_Heat	114.98	114.95	114.88	114.92	114.90	114.83	114.77	114.69
UEC	Ex	SF_vint_NEW	Barbecue	11.27	11.27	11.26	11.27	11.26	11.26	11.25	11.24
UEC	Ex	SF_vint_NEW	Cooking	21.83	21.82	21.81	21.81	21.81	21.80	21.78	21.77
UEC	Ex	SF_vint_NEW	Drying	22.99	22.99	22.97	22.98	22.98	22.96	22.95	22.93
UEC	Ex	SF_vint_NEW	Fireplace	8.44	8.44	8.43	8.43	8.43	8.43	8.42	8.42
UEC	Ex	SF_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SF_vint_NEW	Pool	110.15	110.11	110.05	110.09	110.07	110.00	109.94	109.87
UEC	Ex	SF_vint_NEW	Spa	74.96	74.94	74.90	74.92	74.91	74.86	74.82	74.77
UEC	Ex	SF_vint_NEW	Space_Heat	181.86	181.80	181.70	181.76	181.72	181.61	181.51	181.39
UEC	Ex	SF_vint_NEW	Water_Heat	95.08	95.05	94.99	95.03	95.01	94.95	94.90	94.84
UEC	Ex	MF2_vint_old	Barbecue	14.03	14.03	14.02	14.03	14.02	14.02	14.01	14.01
UEC	Ex	MF2_vint_old	Cooking	28.20	28.19	28.18	28.19	28.18	28.17	28.16	28.14
UEC	Ex	MF2_vint_old	Drying	30.08	30.07	30.06	30.07	30.06	30.05	30.04	30.02
UEC	Ex	MF2_vint_old	Fireplace	6.40	6.40	6.40	6.40	6.40	6.40	6.40	6.39
UEC	Ex	MF2_vint_old	Other	18.71	18.71	18.70	18.71	18.70	18.69	18.69	18.68
UEC	Ex	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF2_vint_old	Spa	55.17	55.16	55.13	55.15	55.14	55.12	55.09	55.07
UEC	Ex	MF2_vint_old	Space_Heat	132.27	132.23	132.18	132.21	132.19	132.13	132.08	132.02
UEC	Ex	MF2_vint_old	Water_Heat	108.69	108.66	108.62	108.65	108.63	108.58	108.54	108.48
UEC	Ex	MF2_vint_NEW	Barbecue	9.96	9.96	9.96	9.96	9.96	9.95	9.95	9.94
UEC	Ex	MF2_vint_NEW	Cooking	19.87	19.86	19.86	19.86	19.86	19.85	19.84	19.83
UEC	Ex	MF2_vint_NEW	Drying	21.25	21.25	21.24	21.24	21.24	21.23	21.22	21.21
UEC	Ex	MF2_vint_NEW	Fireplace	6.40	6.40	6.40	6.40	6.40	6.40	6.40	6.39
UEC	Ex	MF2_vint_NEW	Other	18.71	18.71	18.70	18.71	18.70	18.69	18.69	18.68
UEC	Ex	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF2_vint_NEW	Spa	55.17	55.16	55.13	55.15	55.14	55.12	55.09	55.07
UEC	Ex	MF2_vint_NEW	Space_Heat	93.20	93.18	93.14	93.16	93.15	93.11	93.07	93.03
UEC	Ex	MF2_vint_NEW	Water_Heat	76.59	76.57	76.54	76.56	76.55	76.51	76.48	76.44
UEC	Ex	MF3_vint_old	Barbecue	11.86	11.86	11.86	11.86	11.86	11.85	11.85	11.85
UEC	Ex	MF3_vint_old	Cooking	20.35	20.34	20.34	20.34	20.34	20.33	20.33	20.32
UEC	Ex	MF3_vint_old	Drying	20.14	20.14	20.13	20.13	20.13	20.13	20.12	20.11
UEC	Ex	MF3_vint_old	Fireplace	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
UEC	Ex	MF3_vint_old	Other	42.47	42.46	42.45	42.46	42.45	42.44	42.43	42.41
UEC	Ex	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF3_vint_old	Spa	45.20	45.19	45.18	45.19	45.18	45.17	45.16	45.14
UEC	Ex	MF3_vint_old	Space_Heat	124.46	124.44	124.40	124.43	124.41	124.37	124.34	124.30
UEC	Ex	MF3_vint_old	Water_Heat	99.05	99.03	99.00	99.02	99.01	98.98	98.95	98.92
UEC	Ex	MF3_vint_NEW	Barbecue	7.82	7.82	7.82	7.82	7.82	7.81	7.81	7.81
UEC	Ex	MF3_vint_NEW	Cooking	13.29	13.29	13.29	13.29	13.29	13.28	13.28	13.27
UEC	Ex	MF3_vint_NEW	Drying	13.33	13.33	13.32	13.33	13.32	13.32	13.32	13.31
UEC	Ex	MF3_vint_NEW	Fireplace	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
UEC	Ex	MF3_vint_NEW	Other	42.47	42.46	42.45	42.46	42.45	42.44	42.43	42.41
UEC	Ex	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MF3_vint_NEW	Spa	45.20	45.19	45.18	45.19	45.18	45.17	45.16	45.14

UEC	Ex	MF3_vint_NEW	Space_Heat	83.54	83.53	83.50	83.52	83.51	83.48	83.46	83.43
UEC	Ex	MF3_vint_NEW	Water_Heat	68.18	68.17	68.15	68.16	68.16	68.13	68.11	68.09
UEC	Ex	MM_vint_old	Barbecue	12.90	12.90	12.90	12.90	12.90	12.89	12.89	12.89
UEC	Ex	MM_vint_old	Cooking	23.56	23.56	23.56	23.56	23.56	23.55	23.55	23.55
UEC	Ex	MM_vint_old	Drying	23.63	23.63	23.63	23.63	23.63	23.62	23.62	23.61
UEC	Ex	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_old	Space_Heat	84.25	84.24	84.22	84.23	84.23	84.21	84.20	84.18
UEC	Ex	MM_vint_old	Water_Heat	84.27	84.26	84.25	84.26	84.25	84.23	84.22	84.20
UEC	Ex	MM_vint_NEW	Barbecue	16.09	16.09	16.09	16.09	16.09	16.08	16.08	16.08
UEC	Ex	MM_vint_NEW	Cooking	29.96	29.95	29.95	29.95	29.95	29.94	29.94	29.93
UEC	Ex	MM_vint_NEW	Drying	29.71	29.71	29.71	29.71	29.71	29.70	29.70	29.69
UEC	Ex	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	MM_vint_NEW	Space_Heat	107.10	107.09	107.07	107.08	107.07	107.05	107.03	107.01
UEC	Ex	MM_vint_NEW	Water_Heat	107.13	107.11	107.09	107.11	107.10	107.08	107.06	107.04
UEC	Ex	SM_vint_old	Barbecue	11.48	11.48	11.47	11.48	11.47	11.47	11.46	11.45
UEC	Ex	SM_vint_old	Cooking	21.72	21.71	21.70	21.71	21.70	21.69	21.68	21.66
UEC	Ex	SM_vint_old	Drying	23.73	23.72	23.71	23.72	23.71	23.70	23.69	23.67
UEC	Ex	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_old	Space_Heat	173.00	172.94	172.85	172.91	172.87	172.77	172.67	172.56
UEC	Ex	SM_vint_old	Water_Heat	99.53	99.50	99.44	99.48	99.46	99.40	99.34	99.28
UEC	Ex	SM_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	Ex	SM_vint_NEW	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_NEW	Barbecue	11.27	11.27	11.26	11.27	11.26	11.26	11.25	11.24
UEC	New	SF_vint_NEW	Cooking	21.83	21.82	21.81	21.81	21.81	21.80	21.78	21.77
UEC	New	SF_vint_NEW	Drying	22.99	22.99	22.97	22.98	22.98	22.96	22.95	22.93
UEC	New	SF_vint_NEW	Fireplace	8.44	8.44	8.43	8.43	8.43	8.43	8.42	8.42
UEC	New	SF_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SF_vint_NEW	Pool	110.15	110.11	110.05	110.09	110.07	110.00	109.94	109.87
UEC	New	SF_vint_NEW	Spa	74.96	74.94	74.90	74.92	74.91	74.86	74.82	74.77
UEC	New	SF_vint_NEW	Space_Heat	181.86	181.80	181.70	181.76	181.72	181.61	181.51	181.39
UEC	New	SF_vint_NEW	Water_Heat	95.08	95.05	94.99	95.03	95.01	94.95	94.90	94.84
UEC	New	MF2_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_NEW	Barbecue	9.96	9.96	9.96	9.96	9.96	9.95	9.95	9.94
UEC	New	MF2_vint_NEW	Cooking	19.87	19.86	19.86	19.86	19.86	19.85	19.84	19.83
UEC	New	MF2_vint_NEW	Drying	21.25	21.25	21.24	21.24	21.24	21.23	21.22	21.21
UEC	New	MF2_vint_NEW	Fireplace	6.40	6.40	6.40	6.40	6.40	6.40	6.40	6.39
UEC	New	MF2_vint_NEW	Other	18.71	18.71	18.70	18.71	18.70	18.69	18.69	18.68
UEC	New	MF2_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF2_vint_NEW	Spa	55.17	55.16	55.13	55.15	55.14	55.12	55.09	55.07
UEC	New	MF2_vint_NEW	Space_Heat	93.20	93.18	93.14	93.16	93.15	93.11	93.07	93.03
UEC	New	MF2_vint_NEW	Water_Heat	76.59	76.57	76.54	76.56	76.55	76.51	76.48	76.44
UEC	New	MF3_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

UEC	New	MF3_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_NEW	Barbecue	7.82	7.82	7.82	7.82	7.82	7.81	7.81	7.81
UEC	New	MF3_vint_NEW	Cooking	13.29	13.29	13.29	13.29	13.29	13.28	13.28	13.27
UEC	New	MF3_vint_NEW	Drying	13.33	13.33	13.32	13.33	13.32	13.32	13.32	13.31
UEC	New	MF3_vint_NEW	Fireplace	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.20
UEC	New	MF3_vint_NEW	Other	42.47	42.46	42.45	42.46	42.45	42.44	42.43	42.41
UEC	New	MF3_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MF3_vint_NEW	Spa	45.20	45.19	45.18	45.19	45.18	45.17	45.16	45.14
UEC	New	MF3_vint_NEW	Space_Heat	83.54	83.53	83.50	83.52	83.51	83.48	83.46	83.43
UEC	New	MF3_vint_NEW	Water_Heat	68.18	68.17	68.15	68.16	68.16	68.13	68.11	68.09
UEC	New	MM_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Barbecue	16.09	16.09	16.09	16.09	16.09	16.08	16.08	16.08
UEC	New	MM_vint_NEW	Cooking	29.96	29.95	29.95	29.95	29.95	29.94	29.94	29.93
UEC	New	MM_vint_NEW	Drying	29.71	29.71	29.71	29.71	29.71	29.70	29.70	29.69
UEC	New	MM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	MM_vint_NEW	Space_Heat	107.10	107.09	107.07	107.08	107.07	107.05	107.03	107.01
UEC	New	MM_vint_NEW	Water_Heat	107.13	107.11	107.09	107.11	107.10	107.08	107.06	107.04
UEC	New	SM_vint_old	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_old	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Barbecue	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Fireplace	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Spa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Space_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
UEC	New	SM_vint_NEW	Water_Heat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Southern California Gas Company
Residential
Real Gas Rate Forecasts (\$/therm)
Table Res-12**

Year	Real Rate	
2025	\$	1.97
2026	\$	1.94
2027	\$	2.00
2028	\$	2.04
2029	\$	2.07
2030	\$	2.09
2031	\$	2.14
2032	\$	2.17
2033	\$	2.19
2034	\$	2.20
2035	\$	2.22
2036	\$	2.21
2037	\$	2.21
2038	\$	2.24
2039	\$	2.26
2040	\$	2.28

CORE COMMERCIAL

Core Commercial End-Use Model Description

Introduction:

SoCalGas used the Navigator model to generate annual gas demand forecasts for the core commercial G-10 market. The core commercial forecast consists of the commercial portion of G-10 load plus gas AC and gas engine load. To forecast the commercial portion of G-10, SoCalGas used the Navigator parametric end use model. The model's market segmentation description and end-use modeling framework are presented in the previous section of the SoCalGas workpapers.

The SoCalGas core commercial G-10 segmentation contains the following nine types:

- office
- restaurant
- retail
- laundry
- education
- health
- lodging
- agriculture
- other/miscellaneous

There are two vintages. These are "old" and "new". The classification termed old describes existing customers (established prior to the year 2021) whereas "new" describes the new commercial portion of the G-10 meter hookups set up in year 2021 and beyond.

The core commercial portion of the G-10 model identifies eleven end-uses that are the primary drivers of natural gas demand. These are:

- space heating
- water heating
- drying
- engine
- AC compressor
- cooking
- cooktop
- fryer
- griddle
- other cooking
- other/miscellaneous

A set of post-model adjustments were applied to the model's annual demand forecast. The first adjustment calibrates to the recorded 2025 weather-adjusted demand, or the "base" year demand. Next, the annual Navigator forecast was parceled out to a series of monthly forecasts by applying weights based on the customer's predicted monthly usage share in total annual consumption. The shares were applied to annual totals to derive the stream of monthly forecasts which are conditional on the particular weather design specification for the entire year. An adjustment to the forecast offsets the throughput by the energy efficiency (EE) savings. The forecast was also reduced by the Additional Achievable Fuel Substitution (AAFS) Scenario 1 Programs and incremental Codes and Standards (PiCS) from the California Energy Commission's 2025 Integrated Energy Policy Report (IEPR).

The forecast was adjusted further for anticipated climate change. To account for anticipated weather that is "less cold" and more variable, the average year weather design was reduced by 6.6 fewer heating degree days each year over the forecast period for SoCalGas. The core commercial portion of the G-10 load forecast was also modified to account for core to noncore transfers and City of Vernon migration.

Tables 1-4 in the following section illustrate the core commercial portion of the G-10 monthly forecast under each of the weather design scenarios (average year, cold year, hot year and base year). Table 5 shows the out of model adjustments. Table 13 and 14 contain the gas AC and gas engine forecasts. Table 15 and 16 contain the core to noncore transfers and City of Vernon migration forecasts.

Data Sources:

The data used to populate the Navigator model template and used to generate the unadjusted base forecast includes base year historical consumption and customer counts; price elasticities; historical meter counts (total and by vintage type), use per meter (total and by vintage type), saturation, fuel shares and unit energy consumption (UEC) values. The 2025 historical data is in Table 6. Tables 7-11 show accounts, units, saturations, fuel shares and UEC's. Table 12 contains the inflation-adjusted real gas rates forecast for this market.

Southern California Gas Company
Core Commercial Demand Forecast (Mdth)
Average Temperature
Table CoreCom-1

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	8,591	7,626	7,616	6,500	5,900	5,404	5,163	5,064	4,969	5,902	6,795	9,145	78,676
2026	8,422	7,477	7,470	6,379	5,793	5,308	5,072	4,975	4,881	5,797	6,667	8,965	77,204
2027	8,240	7,316	7,312	6,248	5,677	5,205	4,973	4,878	4,786	5,683	6,529	8,772	75,621
2028	8,070	7,166	7,165	6,126	5,569	5,109	4,882	4,789	4,698	5,577	6,401	8,591	74,144
2029	7,907	7,023	7,024	6,010	5,467	5,017	4,795	4,703	4,614	5,475	6,278	8,419	72,732
2030	7,797	6,926	6,930	5,933	5,400	4,958	4,739	4,649	4,560	5,410	6,197	8,302	71,801
2031	7,679	6,821	6,829	5,850	5,327	4,894	4,678	4,589	4,501	5,339	6,109	8,176	70,793
2032	7,566	6,722	6,732	5,771	5,259	4,834	4,621	4,533	4,446	5,272	6,025	8,056	69,838
2033	7,457	6,627	6,640	5,696	5,193	4,776	4,566	4,479	4,393	5,208	5,945	7,941	68,922
2034	7,352	6,534	6,550	5,623	5,130	4,720	4,513	4,427	4,342	5,146	5,868	7,830	68,036
2035	7,244	6,439	6,458	5,547	5,064	4,662	4,458	4,373	4,289	5,082	5,788	7,715	67,120
2036	7,150	6,356	6,377	5,482	5,008	4,613	4,412	4,328	4,244	5,028	5,719	7,615	66,331
2037	7,051	6,269	6,293	5,414	4,949	4,561	4,363	4,280	4,197	4,970	5,646	7,510	65,503
2038	6,946	6,177	6,204	5,342	4,886	4,505	4,310	4,228	4,146	4,909	5,569	7,400	64,622
2039	6,847	6,089	6,119	5,273	4,826	4,453	4,260	4,179	4,098	4,850	5,496	7,294	63,785
2040	6,753	6,007	6,039	5,208	4,770	4,404	4,214	4,134	4,053	4,796	5,427	7,194	62,998

Southern California Gas Company
Core Commercial Demand Forecast (Mdt)
Cold Temperature
Table CoreCom-2

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	9,248	8,179	8,066	6,750	6,019	5,427	5,167	5,068	4,978	5,962	7,098	9,827	81,791
2026	9,078	8,029	7,919	6,629	5,912	5,331	5,076	4,979	4,890	5,856	6,970	9,647	80,317
2027	8,894	7,866	7,759	6,497	5,796	5,228	4,978	4,882	4,796	5,742	6,831	9,451	78,719
2028	8,721	7,714	7,611	6,374	5,688	5,132	4,887	4,792	4,707	5,636	6,701	9,268	77,231
2029	8,556	7,568	7,469	6,257	5,585	5,040	4,799	4,707	4,623	5,534	6,577	9,092	75,809
2030	8,444	7,470	7,373	6,180	5,518	4,981	4,744	4,652	4,570	5,469	6,495	8,974	74,868
2031	8,323	7,363	7,270	6,095	5,445	4,917	4,683	4,593	4,511	5,398	6,406	8,845	73,848
2032	8,208	7,262	7,172	6,016	5,376	4,856	4,625	4,536	4,455	5,330	6,322	8,723	72,882
2033	8,098	7,165	7,078	5,940	5,310	4,798	4,571	4,483	4,403	5,266	6,241	8,606	71,957
2034	7,991	7,071	6,987	5,866	5,246	4,742	4,518	4,431	4,352	5,204	6,162	8,493	71,063
2035	7,881	6,974	6,893	5,790	5,180	4,684	4,463	4,377	4,299	5,140	6,082	8,376	70,138
2036	7,785	6,890	6,812	5,724	5,124	4,635	4,416	4,331	4,254	5,085	6,012	8,275	69,345
2037	7,685	6,802	6,727	5,656	5,064	4,583	4,367	4,283	4,206	5,028	5,939	8,169	68,510
2038	7,579	6,709	6,637	5,582	5,001	4,528	4,315	4,232	4,155	4,966	5,861	8,056	67,620
2039	7,477	6,620	6,551	5,513	4,941	4,475	4,265	4,183	4,107	4,907	5,787	7,949	66,774
2040	7,381	6,535	6,470	5,447	4,884	4,426	4,218	4,137	4,062	4,853	5,718	7,847	65,979

Southern California Gas Company
Core Commercial Demand Forecast (Mdth)
Hot Temperature
Table CoreCom-3

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	7,934	7,074	7,167	6,250	5,780	5,381	5,158	5,061	4,959	5,843	6,492	8,462	75,561
2026	7,765	6,925	7,020	6,129	5,673	5,285	5,067	4,971	4,871	5,737	6,364	8,283	74,090
2027	7,587	6,767	6,865	5,999	5,558	5,182	4,969	4,875	4,776	5,624	6,228	8,093	72,522
2028	7,419	6,619	6,720	5,879	5,451	5,086	4,877	4,785	4,688	5,518	6,100	7,915	71,057
2029	7,259	6,477	6,580	5,763	5,349	4,994	4,790	4,700	4,604	5,417	5,978	7,745	69,655
2030	7,150	6,381	6,487	5,687	5,282	4,936	4,734	4,645	4,551	5,352	5,898	7,630	68,733
2031	7,034	6,279	6,388	5,605	5,210	4,872	4,674	4,585	4,492	5,281	5,811	7,507	67,738
2032	6,924	6,182	6,293	5,527	5,142	4,811	4,616	4,529	4,437	5,214	5,729	7,389	66,793
2033	6,817	6,088	6,202	5,452	5,077	4,753	4,561	4,476	4,384	5,150	5,650	7,276	65,886
2034	6,714	5,997	6,113	5,380	5,014	4,698	4,509	4,424	4,333	5,089	5,573	7,167	65,008
2035	6,607	5,903	6,022	5,305	4,948	4,640	4,454	4,370	4,280	5,025	5,494	7,054	64,102
2036	6,514	5,821	5,942	5,241	4,892	4,591	4,407	4,324	4,235	4,970	5,425	6,955	63,318
2037	6,416	5,735	5,859	5,173	4,833	4,539	4,358	4,276	4,188	4,913	5,353	6,852	62,496
2038	6,314	5,645	5,771	5,101	4,771	4,483	4,306	4,225	4,137	4,851	5,277	6,743	61,624
2039	6,216	5,559	5,688	5,033	4,711	4,431	4,256	4,176	4,089	4,793	5,205	6,639	60,795
2040	6,124	5,478	5,609	4,969	4,655	4,382	4,209	4,130	4,044	4,739	5,137	6,542	60,018

Southern California Gas Company
Core Commercial Demand Forecast (Mdth)
Base Temperature
Table CoreCom-4

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	5,303	4,790	5,303	5,132	5,303	5,132	5,303	5,303	5,132	5,303	5,132	5,303	62,444
2026	5,179	4,678	5,179	5,012	5,179	5,012	5,179	5,179	5,012	5,179	5,012	5,179	60,981
2027	5,051	4,562	5,051	4,888	5,051	4,888	5,051	5,051	4,888	5,051	4,888	5,051	59,475
2028	4,931	4,454	4,931	4,772	4,931	4,772	4,931	4,931	4,772	4,931	4,772	4,931	58,059
2029	4,815	4,349	4,815	4,660	4,815	4,660	4,815	4,815	4,660	4,815	4,660	4,815	56,699
2030	4,740	4,282	4,740	4,588	4,740	4,588	4,740	4,740	4,588	4,740	4,588	4,740	55,815
2031	4,660	4,209	4,660	4,510	4,660	4,510	4,660	4,660	4,510	4,660	4,510	4,660	54,873
2032	4,584	4,140	4,584	4,436	4,584	4,436	4,584	4,584	4,436	4,584	4,436	4,584	53,972
2033	4,510	4,074	4,510	4,365	4,510	4,365	4,510	4,510	4,365	4,510	4,365	4,510	53,103
2034	4,438	4,009	4,438	4,295	4,438	4,295	4,438	4,438	4,295	4,438	4,295	4,438	52,259
2035	4,365	3,942	4,365	4,224	4,365	4,224	4,365	4,365	4,224	4,365	4,224	4,365	51,392
2036	4,300	3,884	4,300	4,161	4,300	4,161	4,300	4,300	4,161	4,300	4,161	4,300	50,627
2037	4,232	3,823	4,232	4,096	4,232	4,096	4,232	4,232	4,096	4,232	4,096	4,232	49,834
2038	4,162	3,759	4,162	4,027	4,162	4,027	4,162	4,162	4,027	4,162	4,027	4,162	48,999
2039	4,094	3,698	4,094	3,962	4,094	3,962	4,094	4,094	3,962	4,094	3,962	4,094	48,207
2040	4,031	3,641	4,031	3,901	4,031	3,901	4,031	4,031	3,901	4,031	3,901	4,031	47,467

**Southern California Gas Company
Core Commercial G-10
Out-Of-Model Adjustments (Mdth)
Table CoreCom-5**

Year	Climate Change	Energy Efficiency	AAFS	City of Vernon Migration	Core to NonCore Migration
2025	0	0	0	0	0
2026	-87	-650	-458	-4	-232
2027	-173	-1319	-912	-4	-232
2028	-258	-1966	-1361	-4	-232
2029	-343	-2598	-1806	-4	-232
2030	-427	-3173	-1845	-4	-232
2031	-510	-3741	-1884	-4	-232
2032	-594	-4309	-1923	-4	-232
2033	-676	-4876	-1962	-4	-232
2034	-759	-5441	-1998	-4	-232
2035	-841	-6007	-2032	-4	-232
2036	-923	-6572	-2058	-4	-232
2037	-1005	-7134	-2070	-4	-232
2038	-1085	-7724	-2058	-4	-232
2039	-1165	-8314	-2006	-4	-232
2040	-1245	-8904	-1897	-4	-232

**Southern California Gas Company
Core Commercial G-10
Base Year Throughput and Customer Counts
Table CoreCom-6**

Business Type	2025 Weather- adjusted Therm Sales	2025 Meter Count	2025 Meter Count of Existing customers	2025 Meter Count of New Customers	Avg Use Per Meter of Existing Customers	Avg Use Per Meter of New Customers	Price Elasticity
Office	75,611,996	43,360	42,684	676	1,698	4,632	-0.14531
Restaurant	239,127,087	43,050	41,011	2,039	5,574	5,162	-0.04060
Retail	57,018,401	22,615	21,974	641	2,503	3,150	-0.05117
Laundry	50,210,271	3,316	3,282	34	15,106	18,647	-0.03455
Education	61,339,893	9,230	9,107	123	6,664	5,326	-0.17509
Health	57,906,162	5,975	5,898	77	9,539	21,346	-0.02334
Lodging	56,002,237	4,640	4,543	97	11,703	29,253	-0.03985
Misc	149,256,082	53,120	52,327	793	2,716	8,980	-0.08681
Agriculture	40,286,668	1,166	1,139	27	34,373	42,055	-0.19548
Total	786,758,797	186,472					

Southern California Gas Company
Core Commercial G-10
Accounts
Table CoreCom-7

Segment ID	2025	2026	2027	2028	2029	2030	2031	2032
Agriculture_new	27	33	39	45	51	57	63	70
Agriculture_old	1,139	1,133	1,127	1,121	1,115	1,110	1,104	1,097
Health_new	77	94	111	128	145	162	179	196
Health_old	5,898	5,881	5,865	5,849	5,833	5,817	5,801	5,784
Laundry_new	34	41	48	55	62	69	75	82
Laundry_old	3,282	3,275	3,269	3,262	3,256	3,250	3,243	3,236
Lodging_new	97	118	139	160	182	203	224	245
Lodging_old	4,543	4,522	4,502	4,481	4,461	4,441	4,420	4,399
Misc_new	793	1,149	1,506	1,862	2,219	2,575	2,932	3,288
Misc_old	52,327	51,972	51,626	51,273	50,928	50,585	50,232	49,876
Office_new	676	815	955	1,094	1,233	1,373	1,512	1,652
Office_old	42,684	42,546	42,414	42,277	42,147	42,018	41,882	41,743
Restaurant_new	2,039	2,257	2,476	2,694	2,912	3,130	3,349	3,567
Restaurant_old	41,011	40,794	40,582	40,366	40,157	39,947	39,732	39,514
Retail_new	641	763	885	1,006	1,128	1,250	1,372	1,494
Retail_old	21,974	21,853	21,735	21,614	21,498	21,381	21,261	21,139
Education_new	123	150	176	203	229	256	283	309
Education_old	9,107	9,081	9,056	9,030	9,005	8,981	8,955	8,928

Segment ID	2033	2034	2035	2036	2037	2038	2039	2040
Agriculture_new	76	82	88	94	100	106	112	118
Agriculture_old	1,091	1,085	1,079	1,073	1,067	1,061	1,055	1,050
Health_new	213	230	247	264	281	298	315	332
Health_old	5,767	5,750	5,732	5,715	5,699	5,683	5,667	5,652
Laundry_new	89	96	103	110	117	124	131	138
Laundry_old	3,229	3,223	3,215	3,209	3,202	3,196	3,190	3,183
Lodging_new	266	287	309	330	351	372	393	414
Lodging_old	4,377	4,356	4,335	4,314	4,293	4,273	4,252	4,232
Misc_new	3,645	4,002	4,358	4,715	5,071	5,428	5,785	6,142
Misc_old	49,518	49,161	48,802	48,446	48,098	47,752	47,404	47,059
Office_new	1,791	1,930	2,070	2,209	2,349	2,488	2,628	2,767
Office_old	41,602	41,463	41,321	41,182	41,049	40,918	40,785	40,655
Restaurant_new	3,786	4,004	4,222	4,441	4,659	4,878	5,096	5,315
Restaurant_old	39,294	39,076	38,856	38,638	38,425	38,214	38,002	37,792
Retail_new	1,616	1,738	1,860	1,982	2,104	2,226	2,347	2,469
Retail_old	21,016	20,894	20,771	20,650	20,531	20,414	20,295	20,178
Education_new	336	362	389	416	442	469	495	522
Education_old	8,901	8,875	8,848	8,821	8,796	8,771	8,746	8,721

Note: For each business segment in the above and following tables in this section, there is a postfix that "_old" refers to the vintage on and before 2020 while "_new" refers to the vintage after 2020.

Southern California Gas Company
Core Commercial G-10
Units
Table CoreCom-8

Segment ID	Units
Agriculture_new	27
Agriculture_old	1,139
Health_new	77
Health_old	5,898
Laundry_new	34
Laundry_old	3,282
Lodging_new	97
Lodging_old	4,543
Misc_new	793
Misc_old	52,327
Office_new	676
Office_old	42,684
Restaurant_new	2,039
Restaurant_old	41,011
Retail_new	641
Retail_old	21,974
Education_new	123
Education_old	9,107

Southern California Gas Company
Core Commercial G-10
Saturation
Table CoreCom-9.1

Saturation	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SATURATION	Ex	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_new	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	Ex	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Agriculture_new	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	Ex	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_old	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	Ex	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Agriculture_old	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	Ex	Health_new	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	Ex	Health_new	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_new	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_new	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	Ex	Health_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_old	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	Ex	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_old	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	Ex	Health_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Laundry_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Laundry_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Lodging_new	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

SATURATION	Ex	Restaurant_new	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	Ex	Restaurant_old	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	Ex	Restaurant_old	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	Ex	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Restaurant_old	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	Ex	Restaurant_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Restaurant_old	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	Ex	Restaurant_old	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Restaurant_old	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	Ex	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	Ex	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	Ex	Retail_new	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	Ex	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	Ex	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	Ex	Retail_old	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	Ex	EDUCATION_new	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	Ex	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_new	Space_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	Ex	EDUCATION_new	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SATURATION	Ex	EDUCATION_old	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	Ex	EDUCATION_old	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_old	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_old	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	EDUCATION_old	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_old	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	Ex	EDUCATION_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SATURATION	New	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Agriculture_new	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	New	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Agriculture_new	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	New	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Agriculture_old	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	New	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

SATURATION	New	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Agriculture_old	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	New	Health_new	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	Health_new	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_new	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_new	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	New	Health_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_old	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_old	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	New	Health_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Laundry_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Laundry_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_new	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	New	Lodging_new	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_new	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_new	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	New	Lodging_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_old	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	New	Lodging_old	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_old	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_old	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	New	Lodging_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Misc_new	AC_Compressor	0.34	0.34	0.34	0.34	0.34	0.34	0.34
SATURATION	New	Misc_new	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	New	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Misc_new	Engine	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	New	Misc_new	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03

SATURATION	New	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	New	Retail_old	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	New	EDUCATION_new	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	New	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Space_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	EDUCATION_new	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SATURATION	New	EDUCATION_old	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	New	EDUCATION_old	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	EDUCATION_old	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	New	EDUCATION_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

Southern California Gas Company
Core Commercial G-10
Saturation
Table CoreCom-9.2

Saturation	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	Ex	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_new	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	Ex	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Agriculture_new	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	Ex	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_old	Engine	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SATURATION	Ex	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Agriculture_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Agriculture_old	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	Ex	Health_new	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	Ex	Health_new	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_new	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_new	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_new	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	Ex	Health_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_old	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	Ex	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Health_old	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Health_old	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	Ex	Health_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Laundry_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Laundry_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Laundry_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Lodging_new	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

SATURATION	Ex	Restaurant_new	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	Ex	Restaurant_old	AC_Compressor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
SATURATION	Ex	Restaurant_old	Cook_top	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
SATURATION	Ex	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Restaurant_old	Fryer	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Restaurant_old	Griddle	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SATURATION	Ex	Restaurant_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Restaurant_old	Other_Cooking	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	Ex	Restaurant_old	Space_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	Ex	Restaurant_old	Water_Heat	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
SATURATION	Ex	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	Ex	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_new	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	Ex	Retail_new	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	Ex	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Cooking	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
SATURATION	Ex	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	Retail_old	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	Ex	Retail_old	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	Ex	EDUCATION_new	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	Ex	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	Ex	EDUCATION_new	Fryer	0.15	0.15	0.15	0				

SATURATION	New	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Agriculture_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Agriculture_old	Water_Heat	0.69	0.69	0.69	0.69	0.69	0.69	0.69
SATURATION	New	Health_new	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	Health_new	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_new	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_new	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_new	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	New	Health_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_old	AC_Compressor	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Health_old	Other_Cooking	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	New	Health_old	Space_Heat	0.94	0.94	0.94	0.94	0.94	0.94	0.94
SATURATION	New	Health_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Laundry_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Drying	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Laundry_old	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	New	Laundry_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_new	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	New	Lodging_new	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_new	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_new	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_new	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_new	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	New	Lodging_new	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_old	AC_Compressor	0.80	0.80	0.80	0.80	0.80	0.80	0.80
SATURATION	New	Lodging_old	Cook_top	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_old	Drying	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SATURATION	New	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Lodging_old	Fryer	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Griddle	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Lodging_old	Other_Cooking	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SATURATION	New	Lodging_old	Space_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SATURATION	New	Lodging_old	Water_Heat	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Misc_new	AC_Compressor	0.34	0.34	0.34	0.34	0.34	0.34	0.34
SATURATION	New	Misc_new	Cook_top	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SATURATION	New	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Misc_new	Engine	0.18	0.18	0.18	0.18	0.18	0.18	0.18
SATURATION	New	Misc_new	Fryer	0.03	0.03	0.03	0.03	0.03	0.03	0.03

SATURATION	New	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	Retail_old	Space_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SATURATION	New	Retail_old	Water_Heat	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SATURATION	New	EDUCATION_new	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	New	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_new	Space_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SATURATION	New	EDUCATION_new	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SATURATION	New	EDUCATION_old	AC_Compressor	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
SATURATION	New	EDUCATION_old	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SATURATION	New	EDUCATION_old	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	New	EDUCATION_old	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	New	EDUCATION_old	Space_Heat	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
SATURATION	New	EDUCATION_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

Southern California Gas Company
Core Commercial G-10
Gas Fuel Market Shares
Table CoreCom-10.1

Share	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SHARE	Ex	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Agriculture_new	Engine	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Other	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Space_Heat	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SHARE	Ex	Agriculture_new	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Agriculture_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Space_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Agriculture_old	Water_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	Ex	Health_new	AC_Compressor	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Health_new	Cook_top	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_new	Drying	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
SHARE	Ex	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_new	Fryer	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Griddle	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Other	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	Ex	Health_new	Other_Cooking	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Health_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	Ex	Health_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Health_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Health_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Health_old	Space_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Health_old	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SHARE	Ex	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	Ex	Laundry_new	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Laundry_old	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Lodging_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

SHARE	Ex	Lodging_new	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	Ex	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Space_Heat	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Lodging_new	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	Ex	Lodging_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Lodging_old	Cook_top	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Fryer	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Griddle	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Other_Cooking	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Lodging_old	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_new	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_new	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Misc_new	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Misc_new	Other_Cooking	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SHARE	Ex	Misc_new	Space_Heat	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	Ex	Misc_new	Water_Heat	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
SHARE	Ex	Misc_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_old	Fryer	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	Ex	Misc_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_old	Other	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SHARE	Ex	Misc_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Misc_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Misc_old	Water_Heat	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	Ex	Office_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Office_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Office_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Office_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Space_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	Office_new	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	Ex	Office_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Office_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Office_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Office_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Space_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	Ex	Office_old	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Restaurant_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Cook_top	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Fryer	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Griddle	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Other_Cooking	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	Ex	Restaurant_new	Space_Heat	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

SHARE	Ex	Restaurant_new	Water_Heat	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Restaurant_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Restaurant_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Restaurant_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Other_Cooking	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Restaurant_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Restaurant_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Cooking	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Other	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	Ex	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Space_Heat	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	Ex	Retail_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Space_Heat	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	Ex	Retail_old	Water_Heat	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	EDUCATION_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	Ex	EDUCATION_new	Water_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SHARE	Ex	EDUCATION_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	EDUCATION_old	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	Ex	EDUCATION_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	New	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Agriculture_new	Engine	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Other	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Space_Heat	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SHARE	New	Agriculture_new	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Agriculture_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95

SHARE	New	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Space_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	New	Agriculture_old	Water_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	New	Health_new	AC_Compressor	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Health_new	Cook_top	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_new	Drying	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
SHARE	New	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_new	Fryer	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Griddle	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Other	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	New	Health_new	Other_Cooking	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Health_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	New	Health_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	New	Health_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Health_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Health_old	Space_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Health_old	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SHARE	New	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	New	Laundry_new	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Laundry_old	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Lodging_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Lodging_new	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	New	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Space_Heat	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Lodging_new	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	New	Lodging_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Lodging_old	Cook_top	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Fryer	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Griddle	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Other_Cooking	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	New	Lodging_old	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Misc_new	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_new	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

SHARE	New	Misc_new	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Misc_new	Other_Cooking	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SHARE	New	Misc_new	Space_Heat	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	New	Misc_new	Water_Heat	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
SHARE	New	Misc_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_old	Fryer	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	New	Misc_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_old	Other	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SHARE	New	Misc_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Misc_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Misc_old	Water_Heat	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	New	Office_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Office_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Office_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Office_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Space_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	Office_new	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	New	Office_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Office_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Office_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Office_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Space_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	New	Office_old	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Restaurant_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Cook_top	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Fryer	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Griddle	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Other_Cooking	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	New	Restaurant_new	Space_Heat	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Restaurant_new	Water_Heat	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Restaurant_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	New	Restaurant_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Restaurant_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Other_Cooking	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Restaurant_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Restaurant_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	New	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Cooking	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Other	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	New	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Space_Heat	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	New	Retail_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SHARE	New	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Space_Heat	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	New	Retail_old	Water_Heat	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	EDUCATION_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	New	EDUCATION_new	Water_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SHARE	New	EDUCATION_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	EDUCATION_old	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	New	EDUCATION_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77

Southern California Gas Company
Core Commercial G-10
Gas Fuel Market Shares
Table CoreCom-10.2

Share	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SHARE	Ex	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Agriculture_new	Engine	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Other	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_new	Space_Heat	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SHARE	Ex	Agriculture_new	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Agriculture_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Agriculture_old	Space_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Agriculture_old	Water_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	Ex	Health_new	AC_Compressor	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Health_new	Cook_top	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_new	Drying	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
SHARE	Ex	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_new	Fryer	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Griddle	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_new	Other	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	Ex	Health_new	Other_Cooking	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Health_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	Ex	Health_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Health_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	Ex	Health_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Health_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Health_old	Space_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Health_old	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	Ex	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SHARE	Ex	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_new	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	Ex	Laundry_new	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Laundry_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Laundry_old	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Lodging_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

SHARE	Ex	Lodging_new	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	Ex	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_new	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	Ex	Lodging_new	Space_Heat	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Lodging_new	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	Ex	Lodging_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Lodging_old	Cook_top	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Fryer	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Griddle	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Lodging_old	Other_Cooking	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Lodging_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Lodging_old	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_new	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_new	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Misc_new	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_new	Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	Ex	Misc_new	Other_Cooking	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SHARE	Ex	Misc_new	Space_Heat	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	Ex	Misc_new	Water_Heat	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
SHARE	Ex	Misc_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Misc_old	Fryer	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	Ex	Misc_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Misc_old	Other	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SHARE	Ex	Misc_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	Ex	Misc_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Misc_old	Water_Heat	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	Ex	Office_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Office_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Office_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Office_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_new	Space_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	Ex	Office_new	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	Ex	Office_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Office_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Office_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Office_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Office_old	Space_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	Ex	Office_old	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Restaurant_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Cook_top	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Fryer	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Griddle	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_new	Other_Cooking	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	Ex	Restaurant_new	Space_Heat	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

SHARE	Ex	Restaurant_new	Water_Heat	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Restaurant_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Restaurant_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Restaurant_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Restaurant_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Restaurant_old	Other_Cooking	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	Ex	Restaurant_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	Ex	Restaurant_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	Ex	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Cooking	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Other	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	Ex	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_new	Space_Heat	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	Ex	Retail_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	Ex	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Retail_old	Space_Heat	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	Ex	Retail_old	Water_Heat	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	EDUCATION_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	EDUCATION_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	Ex	EDUCATION_new	Water_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SHARE	Ex	EDUCATION_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	EDUCATION_old	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	EDUCATION_old	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	EDUCATION_old	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	Ex	EDUCATION_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	New	Agriculture_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Agriculture_new	Engine	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Agriculture_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Other	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Agriculture_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_new	Space_Heat	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SHARE	New	Agriculture_new	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Agriculture_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Drying	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Agriculture_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Agriculture_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95

SHARE	New	Agriculture_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Agriculture_old	Space_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	New	Agriculture_old	Water_Heat	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SHARE	New	Health_new	AC_Compressor	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Health_new	Cook_top	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_new	Drying	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
SHARE	New	Health_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_new	Fryer	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Griddle	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_new	Other	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	New	Health_new	Other_Cooking	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Health_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	New	Health_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	New	Health_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Health_old	Cook_top	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Health_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Health_old	Fryer	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Griddle	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SHARE	New	Health_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Health_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Health_old	Space_Heat	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Health_old	Water_Heat	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
SHARE	New	Laundry_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Drying	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
SHARE	New	Laundry_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Laundry_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_new	Space_Heat	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
SHARE	New	Laundry_new	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Laundry_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Laundry_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Laundry_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Laundry_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Laundry_old	Water_Heat	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Lodging_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Lodging_new	Cook_top	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Drying	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
SHARE	New	Lodging_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Fryer	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Griddle	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_new	Other_Cooking	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
SHARE	New	Lodging_new	Space_Heat	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Lodging_new	Water_Heat	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	New	Lodging_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Lodging_old	Cook_top	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Drying	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Lodging_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Fryer	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Griddle	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Lodging_old	Other_Cooking	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Lodging_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	New	Lodging_old	Water_Heat	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	AC_Compressor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Misc_new	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_new	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92

SHARE	New	Misc_new	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_new	Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SHARE	New	Misc_new	Other_Cooking	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SHARE	New	Misc_new	Space_Heat	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SHARE	New	Misc_new	Water_Heat	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
SHARE	New	Misc_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Misc_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Misc_old	Fryer	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
SHARE	New	Misc_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Misc_old	Other	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SHARE	New	Misc_old	Other_Cooking	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
SHARE	New	Misc_old	Space_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Misc_old	Water_Heat	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
SHARE	New	Office_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Office_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Office_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Office_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_new	Space_Heat	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
SHARE	New	Office_new	Water_Heat	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
SHARE	New	Office_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Office_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Cooking	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Office_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Office_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Office_old	Space_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SHARE	New	Office_old	Water_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Restaurant_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Cook_top	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Fryer	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Griddle	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_new	Other_Cooking	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SHARE	New	Restaurant_new	Space_Heat	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Restaurant_new	Water_Heat	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Restaurant_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Restaurant_old	Cook_top	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Restaurant_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Fryer	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	New	Restaurant_old	Griddle	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Restaurant_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Restaurant_old	Other_Cooking	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
SHARE	New	Restaurant_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SHARE	New	Restaurant_old	Water_Heat	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
SHARE	New	Retail_new	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Cooking	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Retail_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Other	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SHARE	New	Retail_new	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_new	Space_Heat	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
SHARE	New	Retail_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Retail_old	AC_Compressor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Cook_top	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Cooking	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Retail_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

SHARE	New	Retail_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Fryer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Griddle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Other	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
SHARE	New	Retail_old	Other_Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Retail_old	Space_Heat	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
SHARE	New	Retail_old	Water_Heat	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	EDUCATION_new	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	EDUCATION_new	Cook_top	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Fryer	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Griddle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_new	Other_Cooking	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	New	EDUCATION_new	Space_Heat	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
SHARE	New	EDUCATION_new	Water_Heat	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
SHARE	New	EDUCATION_old	AC_Compressor	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	EDUCATION_old	Cook_top	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Cooking	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Drying	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Fryer	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Griddle	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	EDUCATION_old	Other_Cooking	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	New	EDUCATION_old	Space_Heat	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
SHARE	New	EDUCATION_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77

Southern California Gas Company
Core Commercial G-10
Average Gas Consumption Per Unit (therm)
Table CoreCom-11.1

UEC	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
UEC	Ex	Agriculture_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Drying	18,062	18,128	17,993	17,909	17,843	17,789	17,691	17,627
UEC	Ex	Agriculture_new	Engine	77,662	77,944	77,365	77,002	76,720	76,486	76,068	75,790
UEC	Ex	Agriculture_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Other	849	852	846	842	839	836	832	829
UEC	Ex	Agriculture_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Space_Heat	13,108	13,156	13,058	12,997	12,949	12,910	12,839	12,792
UEC	Ex	Agriculture_new	Water_Heat	17,335	17,398	17,269	17,188	17,125	17,072	16,979	16,917
UEC	Ex	Agriculture_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Drying	19,240	19,310	19,167	19,077	19,007	18,949	18,845	18,777
UEC	Ex	Agriculture_old	Engine	77,662	77,944	77,365	77,002	76,720	76,486	76,068	75,790
UEC	Ex	Agriculture_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Other	905	908	901	897	894	891	886	883
UEC	Ex	Agriculture_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Space_Heat	13,108	13,156	13,058	12,997	12,949	12,910	12,839	12,792
UEC	Ex	Agriculture_old	Water_Heat	17,335	17,398	17,269	17,188	17,125	17,072	16,979	16,917
UEC	Ex	Health_new	AC_Compressor	2,343	2,344	2,342	2,340	2,339	2,338	2,337	2,336
UEC	Ex	Health_new	Cook_top	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Health_new	Drying	3,006	3,008	3,005	3,003	3,002	3,001	2,999	2,998
UEC	Ex	Health_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Health_new	Fryer	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_new	Griddle	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_new	Other	278	278	278	277	277	277	277	277
UEC	Ex	Health_new	Other_Cooking	544	544	543	543	543	543	542	542
UEC	Ex	Health_new	Space_Heat	1,413	1,414	1,413	1,412	1,411	1,411	1,410	1,409
UEC	Ex	Health_new	Water_Heat	8,247	8,251	8,243	8,239	8,235	8,232	8,227	8,223
UEC	Ex	Health_old	AC_Compressor	2,343	2,344	2,342	2,340	2,339	2,338	2,337	2,336
UEC	Ex	Health_old	Cook_top	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Health_old	Drying	3,006	3,008	3,005	3,003	3,002	3,001	2,999	2,998
UEC	Ex	Health_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Health_old	Fryer	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_old	Griddle	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	Ex	Health_old	Other	293	293	293	293	293	293	292	292
UEC	Ex	Health_old	Other_Cooking	544	544	543	543	543	543	542	542
UEC	Ex	Health_old	Space_Heat	1,413	1,414	1,413	1,412	1,411	1,411	1,410	1,409
UEC	Ex	Health_old	Water_Heat	8,247	8,251	8,243	8,239	8,235	8,232	8,227	8,223
UEC	Ex	Laundry_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Drying	19,974	19,987	19,961	19,944	19,931	19,920	19,901	19,888
UEC	Ex	Laundry_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Other	743	744	743	742	742	741	740	740
UEC	Ex	Laundry_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Space_Heat	195	195	195	195	195	195	194	194
UEC	Ex	Laundry_new	Water_Heat	3,544	3,547	3,542	3,539	3,537	3,535	3,531	3,529
UEC	Ex	Laundry_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Drying	19,974	19,987	19,961	19,944	19,931	19,920	19,901	19,888
UEC	Ex	Laundry_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Griddle	0	0	0	0	0	0	0	0

UEC	Ex	Laundry_old	Other	720	721	720	719	719	718	718	717
UEC	Ex	Laundry_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Space_Heat	195	195	195	195	195	195	194	194
UEC	Ex	Laundry_old	Water_Heat	3,544	3,547	3,542	3,539	3,537	3,535	3,531	3,529
UEC	Ex	Lodging_new	AC_Compressor	782	783	781	781	780	780	779	778
UEC	Ex	Lodging_new	Cook_top	4,424	4,427	4,420	4,416	4,413	4,410	4,405	4,402
UEC	Ex	Lodging_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Drying	2,373	2,374	2,371	2,369	2,367	2,365	2,363	2,361
UEC	Ex	Lodging_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Fryer	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	Ex	Lodging_new	Griddle	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	Ex	Lodging_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Other_Cooking	572	572	571	571	570	570	569	569
UEC	Ex	Lodging_new	Space_Heat	5,299	5,303	5,295	5,289	5,285	5,282	5,276	5,272
UEC	Ex	Lodging_new	Water_Heat	9,653	9,660	9,645	9,636	9,629	9,623	9,612	9,605
UEC	Ex	Lodging_old	AC_Compressor	782	783	781	781	780	780	779	778
UEC	Ex	Lodging_old	Cook_top	4,424	4,427	4,420	4,416	4,413	4,410	4,405	4,402
UEC	Ex	Lodging_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Drying	2,373	2,374	2,371	2,369	2,367	2,365	2,363	2,361
UEC	Ex	Lodging_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Fryer	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	Ex	Lodging_old	Griddle	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	Ex	Lodging_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Other_Cooking	572	572	571	571	570	570	569	569
UEC	Ex	Lodging_old	Space_Heat	5,299	5,303	5,295	5,289	5,285	5,282	5,276	5,272
UEC	Ex	Lodging_old	Water_Heat	9,485	9,492	9,478	9,469	9,462	9,456	9,445	9,438
UEC	Ex	Misc_new	AC_Compressor	3,367	3,373	3,361	3,354	3,349	3,344	3,336	3,331
UEC	Ex	Misc_new	Cook_top	1,866	1,869	1,863	1,859	1,856	1,853	1,849	1,846
UEC	Ex	Misc_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Misc_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Misc_new	Engine	62,498	62,599	62,392	62,262	62,161	62,076	61,926	61,825
UEC	Ex	Misc_new	Fryer	294	295	294	293	293	292	291	291
UEC	Ex	Misc_new	Griddle	819	820	818	816	815	814	812	810
UEC	Ex	Misc_new	Other	682	683	680	679	678	677	675	674
UEC	Ex	Misc_new	Other_Cooking	320	320	319	318	318	317	317	316
UEC	Ex	Misc_new	Space_Heat	1,434	1,436	1,432	1,429	1,426	1,424	1,421	1,419
UEC	Ex	Misc_new	Water_Heat	2,647	2,651	2,643	2,637	2,633	2,629	2,623	2,619
UEC	Ex	Misc_old	AC_Compressor	2,361	2,365	2,357	2,352	2,348	2,345	2,339	2,335
UEC	Ex	Misc_old	Cook_top	834	835	833	831	830	828	826	825
UEC	Ex	Misc_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Misc_old	Engine	61,515	61,614	61,411	61,283	61,184	61,101	60,952	60,853
UEC	Ex	Misc_old	Fryer	815	816	814	812	811	810	808	806
UEC	Ex	Misc_old	Griddle	829	830	827	826	824	823	821	820
UEC	Ex	Misc_old	Other	121	121	120	120	120	120	119	119
UEC	Ex	Misc_old	Other_Cooking	814	816	813	811	810	809	807	806
UEC	Ex	Misc_old	Space_Heat	3,225	3,230	3,220	3,213	3,208	3,203	3,196	3,190
UEC	Ex	Misc_old	Water_Heat	3,113	3,118	3,108	3,101	3,096	3,092	3,084	3,079
UEC	Ex	Office_new	AC_Compressor	735	737	733	731	729	727	724	722
UEC	Ex	Office_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Cooking	232	233	232	231	230	230	229	228
UEC	Ex	Office_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Other	82	83	82	82	82	81	81	81
UEC	Ex	Office_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Space_Heat	2,139	2,145	2,133	2,126	2,120	2,115	2,107	2,101
UEC	Ex	Office_new	Water_Heat	321	322	320	319	318	317	316	315
UEC	Ex	Office_old	AC_Compressor	735	737	733	731	729	727	724	722
UEC	Ex	Office_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Cooking	232	233	232	231	230	230	229	228
UEC	Ex	Office_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Other	84	84	84	83	83	83	83	82
UEC	Ex	Office_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Space_Heat	2,139	2,145	2,133	2,126	2,120	2,115	2,107	2,101
UEC	Ex	Office_old	Water_Heat	321	322	320	319	318	317	316	315
UEC	Ex	Restaurant_new	AC_Compressor	335	336	335	335	335	334	334	334

UEC	Ex	Restaurant_new	Cook_top	1,982	1,983	1,980	1,978	1,977	1,975	1,973	1,972
UEC	Ex	Restaurant_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Fryer	1,784	1,786	1,783	1,781	1,780	1,779	1,777	1,775
UEC	Ex	Restaurant_new	Griddle	1,506	1,507	1,505	1,503	1,502	1,501	1,499	1,498
UEC	Ex	Restaurant_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Other_Cooking	1,606	1,607	1,605	1,603	1,602	1,601	1,599	1,598
UEC	Ex	Restaurant_new	Space_Heat	194	194	194	193	193	193	193	193
UEC	Ex	Restaurant_new	Water_Heat	1,376	1,377	1,375	1,373	1,372	1,371	1,370	1,369
UEC	Ex	Restaurant_old	AC_Compressor	335	336	335	335	335	334	334	334
UEC	Ex	Restaurant_old	Cook_top	2,063	2,065	2,062	2,060	2,058	2,057	2,054	2,053
UEC	Ex	Restaurant_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Fryer	1,784	1,786	1,783	1,781	1,780	1,779	1,777	1,775
UEC	Ex	Restaurant_old	Griddle	1,557	1,558	1,555	1,554	1,553	1,552	1,550	1,549
UEC	Ex	Restaurant_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Other_Cooking	1,606	1,607	1,605	1,603	1,602	1,601	1,599	1,598
UEC	Ex	Restaurant_old	Space_Heat	194	194	194	193	193	193	193	193
UEC	Ex	Restaurant_old	Water_Heat	1,376	1,377	1,375	1,373	1,372	1,371	1,370	1,369
UEC	Ex	Retail_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Cooking	6,039	6,045	6,033	6,026	6,020	6,015	6,007	6,001
UEC	Ex	Retail_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Other	90	90	90	90	90	90	90	90
UEC	Ex	Retail_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Space_Heat	4,791	4,795	4,786	4,780	4,776	4,772	4,765	4,760
UEC	Ex	Retail_new	Water_Heat	2,057	2,059	2,055	2,053	2,051	2,049	2,046	2,044
UEC	Ex	Retail_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Cooking	6,039	6,045	6,033	6,026	6,020	6,015	6,007	6,001
UEC	Ex	Retail_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Other	95	95	95	95	95	95	94	94
UEC	Ex	Retail_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Space_Heat	4,791	4,795	4,786	4,780	4,776	4,772	4,765	4,760
UEC	Ex	Retail_old	Water_Heat	2,057	2,059	2,055	2,053	2,051	2,049	2,046	2,044
UEC	Ex	EDUCATION_new	AC_Compressor	3,572	3,584	3,560	3,545	3,533	3,524	3,506	3,495
UEC	Ex	EDUCATION_new	Cook_top	1,668	1,673	1,662	1,655	1,650	1,645	1,637	1,632
UEC	Ex	EDUCATION_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Fryer	1,670	1,675	1,664	1,657	1,651	1,647	1,639	1,633
UEC	Ex	EDUCATION_new	Griddle	1,670	1,675	1,664	1,657	1,651	1,647	1,639	1,633
UEC	Ex	EDUCATION_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Other_Cooking	1,668	1,673	1,662	1,655	1,650	1,645	1,637	1,632
UEC	Ex	EDUCATION_new	Space_Heat	7,004	7,027	6,980	6,951	6,928	6,909	6,875	6,853
UEC	Ex	EDUCATION_new	Water_Heat	8,823	8,852	8,793	8,756	8,727	8,703	8,661	8,632
UEC	Ex	EDUCATION_old	AC_Compressor	2,863	2,872	2,853	2,841	2,832	2,824	2,810	2,801
UEC	Ex	EDUCATION_old	Cook_top	1,690	1,696	1,685	1,678	1,672	1,668	1,659	1,654
UEC	Ex	EDUCATION_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Fryer	1,693	1,699	1,687	1,680	1,675	1,670	1,662	1,657
UEC	Ex	EDUCATION_old	Griddle	1,693	1,699	1,687	1,680	1,675	1,670	1,662	1,657
UEC	Ex	EDUCATION_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Other_Cooking	1,690	1,696	1,685	1,678	1,672	1,668	1,659	1,654
UEC	Ex	EDUCATION_old	Space_Heat	4,066	4,079	4,052	4,035	4,022	4,011	3,991	3,978
UEC	Ex	EDUCATION_old	Water_Heat	5,254	5,271	5,236	5,214	5,197	5,183	5,157	5,140
UEC	New	Agriculture_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Drying	18,062	18,128	17,993	17,909	17,843	17,789	17,691	17,627
UEC	New	Agriculture_new	Engine	77,662	77,944	77,365	77,002	76,720	76,486	76,068	75,790
UEC	New	Agriculture_new	Fryer	0	0	0	0	0	0	0	0

UEC	New	Agriculture_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Other	849	852	846	842	839	836	832	829
UEC	New	Agriculture_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Space_Heat	13,108	13,156	13,058	12,997	12,949	12,910	12,839	12,792
UEC	New	Agriculture_new	Water_Heat	17,335	17,398	17,269	17,188	17,125	17,072	16,979	16,917
UEC	New	Agriculture_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Other	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Health_new	AC_Compressor	2,343	2,344	2,342	2,340	2,339	2,338	2,337	2,336
UEC	New	Health_new	Cook_top	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	New	Health_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_new	Drying	3,006	3,008	3,005	3,003	3,002	3,001	2,999	2,998
UEC	New	Health_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Health_new	Fryer	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	New	Health_new	Griddle	5,419	5,421	5,416	5,413	5,411	5,409	5,405	5,403
UEC	New	Health_new	Other	278	278	278	277	277	277	277	277
UEC	New	Health_new	Other_Cooking	544	544	543	543	543	543	542	542
UEC	New	Health_new	Space_Heat	1,413	1,414	1,413	1,412	1,411	1,411	1,410	1,409
UEC	New	Health_new	Water_Heat	8,247	8,251	8,243	8,239	8,235	8,232	8,227	8,223
UEC	New	Health_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Health_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Health_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Health_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Health_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Health_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Health_old	Other	0	0	0	0	0	0	0	0
UEC	New	Health_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Health_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Drying	19,974	19,987	19,961	19,944	19,931	19,920	19,901	19,888
UEC	New	Laundry_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Other	743	744	743	742	742	741	740	740
UEC	New	Laundry_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Space_Heat	195	195	195	195	195	195	194	194
UEC	New	Laundry_new	Water_Heat	3,544	3,547	3,542	3,539	3,537	3,535	3,531	3,529
UEC	New	Laundry_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Other	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	AC_Compressor	782	783	781	781	780	780	779	778
UEC	New	Lodging_new	Cook_top	4,424	4,427	4,420	4,416	4,413	4,410	4,405	4,402
UEC	New	Lodging_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Drying	2,373	2,374	2,371	2,369	2,367	2,365	2,363	2,361
UEC	New	Lodging_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Fryer	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	New	Lodging_new	Griddle	5,757	5,762	5,753	5,747	5,743	5,739	5,733	5,729
UEC	New	Lodging_new	Other	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Other_Cooking	572	572	571	571	570	570	569	569
UEC	New	Lodging_new	Space_Heat	5,299	5,303	5,295	5,289	5,285	5,282	5,276	5,272
UEC	New	Lodging_new	Water_Heat	9,653	9,660	9,645	9,636	9,629	9,623	9,612	9,605

UEC	New	Lodging_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Other	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_new	AC_Compressor	3,367	3,373	3,361	3,354	3,349	3,344	3,336	3,331
UEC	New	Misc_new	Cook_top	1,866	1,869	1,863	1,859	1,856	1,853	1,849	1,846
UEC	New	Misc_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_new	Engine	62,498	62,599	62,392	62,262	62,161	62,076	61,926	61,825
UEC	New	Misc_new	Fryer	294	295	294	293	293	292	291	291
UEC	New	Misc_new	Griddle	819	820	818	816	815	814	812	810
UEC	New	Misc_new	Other	682	683	680	679	678	677	675	674
UEC	New	Misc_new	Other_Cooking	320	320	319	318	318	317	317	316
UEC	New	Misc_new	Space_Heat	1,434	1,436	1,432	1,429	1,426	1,424	1,421	1,419
UEC	New	Misc_new	Water_Heat	2,647	2,651	2,643	2,637	2,633	2,629	2,623	2,619
UEC	New	Misc_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Office_new	AC_Compressor	735	737	733	731	729	727	724	722
UEC	New	Office_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Office_new	Cooking	232	233	232	231	230	230	229	228
UEC	New	Office_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Office_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Office_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Office_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Office_new	Other	82	83	82	82	82	81	81	81
UEC	New	Office_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_new	Space_Heat	2,139	2,145	2,133	2,126	2,120	2,115	2,107	2,101
UEC	New	Office_new	Water_Heat	321	322	320	319	318	317	316	315
UEC	New	Office_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Office_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Office_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Office_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Office_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Office_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Office_old	Other	0	0	0	0	0	0	0	0
UEC	New	Office_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Office_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	AC_Compressor	335	336	335	335	335	334	334	334
UEC	New	Restaurant_new	Cook_top	1,982	1,983	1,980	1,978	1,977	1,975	1,973	1,972
UEC	New	Restaurant_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Fryer	1,784	1,786	1,783	1,781	1,780	1,779	1,777	1,775
UEC	New	Restaurant_new	Griddle	1,506	1,507	1,505	1,503	1,502	1,501	1,499	1,498
UEC	New	Restaurant_new	Other	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Other_Cooking	1,606	1,607	1,605	1,603	1,602	1,601	1,599	1,598
UEC	New	Restaurant_new	Space_Heat	194	194	194	193	193	193	193	193
UEC	New	Restaurant_new	Water_Heat	1,376	1,377	1,375	1,373	1,372	1,371	1,370	1,369
UEC	New	Restaurant_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Engine	0	0	0	0	0	0	0	0

UEC	New	Restaurant_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Other	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Retail_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Cooking	6,039	6,045	6,033	6,026	6,020	6,015	6,007	6,001
UEC	New	Retail_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Other	90	90	90	90	90	90	90	90
UEC	New	Retail_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Space_Heat	4,791	4,795	4,786	4,780	4,776	4,772	4,765	4,760
UEC	New	Retail_new	Water_Heat	2,057	2,059	2,055	2,053	2,051	2,049	2,046	2,044
UEC	New	Retail_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Other	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	AC_Compressor	3,572	3,584	3,560	3,545	3,533	3,524	3,506	3,495
UEC	New	EDUCATION_new	Cook_top	1,668	1,673	1,662	1,655	1,650	1,645	1,637	1,632
UEC	New	EDUCATION_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Drying	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Engine	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Fryer	1,670	1,675	1,664	1,657	1,651	1,647	1,639	1,633
UEC	New	EDUCATION_new	Griddle	1,670	1,675	1,664	1,657	1,651	1,647	1,639	1,633
UEC	New	EDUCATION_new	Other	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Other_Cooking	1,668	1,673	1,662	1,655	1,650	1,645	1,637	1,632
UEC	New	EDUCATION_new	Space_Heat	7,004	7,027	6,980	6,951	6,928	6,909	6,875	6,853
UEC	New	EDUCATION_new	Water_Heat	8,823	8,852	8,793	8,756	8,727	8,703	8,661	8,632
UEC	New	EDUCATION_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Drying	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Engine	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Other	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Water_Heat	0	0	0	0	0	0	0	0

Southern California Gas Company
Core Commercial G-10
Average Gas Consumption Per Unit (therm)
Table CoreCom-11.2

UEC	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
UEC	Ex	Agriculture_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Drying	17,586	17,559	17,515	17,538	17,521	17,473	17,429	17,378
UEC	Ex	Agriculture_new	Engine	75,614	75,498	75,311	75,409	75,336	75,130	74,939	74,719
UEC	Ex	Agriculture_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Other	827	826	824	825	824	822	820	817
UEC	Ex	Agriculture_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_new	Space_Heat	12,763	12,743	12,711	12,728	12,716	12,681	12,649	12,612
UEC	Ex	Agriculture_new	Water_Heat	16,878	16,852	16,810	16,832	16,816	16,770	16,727	16,678
UEC	Ex	Agriculture_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Drying	18,733	18,704	18,658	18,682	18,664	18,613	18,565	18,511
UEC	Ex	Agriculture_old	Engine	75,614	75,498	75,311	75,409	75,336	75,130	74,939	74,719
UEC	Ex	Agriculture_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Other	881	880	877	878	878	875	873	870
UEC	Ex	Agriculture_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Agriculture_old	Space_Heat	12,763	12,743	12,711	12,728	12,716	12,681	12,649	12,612
UEC	Ex	Agriculture_old	Water_Heat	16,878	16,852	16,810	16,832	16,816	16,770	16,727	16,678
UEC	Ex	Health_new	AC_Compressor	2,335	2,335	2,334	2,334	2,334	2,333	2,333	2,332
UEC	Ex	Health_new	Cook_top	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Health_new	Drying	2,997	2,996	2,995	2,996	2,995	2,994	2,994	2,992
UEC	Ex	Health_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Health_new	Fryer	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_new	Griddle	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_new	Other	277	277	277	277	277	277	276	276
UEC	Ex	Health_new	Other_Cooking	542	542	542	542	542	542	541	541
UEC	Ex	Health_new	Space_Heat	1,409	1,408	1,408	1,408	1,408	1,408	1,407	1,407
UEC	Ex	Health_new	Water_Heat	8,221	8,219	8,217	8,218	8,217	8,215	8,212	8,209
UEC	Ex	Health_old	AC_Compressor	2,335	2,335	2,334	2,334	2,334	2,333	2,333	2,332
UEC	Ex	Health_old	Cook_top	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Health_old	Drying	2,997	2,996	2,995	2,996	2,995	2,994	2,994	2,992
UEC	Ex	Health_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Health_old	Fryer	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_old	Griddle	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	Ex	Health_old	Other	292	292	292	292	292	292	292	292
UEC	Ex	Health_old	Other_Cooking	542	542	542	542	542	542	541	541
UEC	Ex	Health_old	Space_Heat	1,409	1,408	1,408	1,408	1,408	1,408	1,407	1,407
UEC	Ex	Health_old	Water_Heat	8,221	8,219	8,217	8,218	8,217	8,215	8,212	8,209
UEC	Ex	Laundry_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Drying	19,880	19,875	19,866	19,871	19,867	19,858	19,849	19,838
UEC	Ex	Laundry_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Other	740	739	739	739	739	739	738	738
UEC	Ex	Laundry_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_new	Space_Heat	194	194	194	194	194	194	194	194
UEC	Ex	Laundry_new	Water_Heat	3,528	3,527	3,525	3,526	3,525	3,524	3,522	3,520
UEC	Ex	Laundry_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Drying	19,880	19,875	19,866	19,871	19,867	19,858	19,849	19,838
UEC	Ex	Laundry_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Other	717	717	716	716	716	716	716	715
UEC	Ex	Laundry_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Laundry_old	Space_Heat	194	194	194	194	194	194	194	194
UEC	Ex	Laundry_old	Water_Heat	3,528	3,527	3,525	3,526	3,525	3,524	3,522	3,520
UEC	Ex	Lodging_new	AC_Compressor	778	777	777	777	777	777	776	776

UEC	Ex	Lodging_new	Cook_top	4,400	4,399	4,396	4,397	4,397	4,394	4,392	4,389
UEC	Ex	Lodging_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Drying	2,360	2,359	2,358	2,359	2,358	2,357	2,356	2,354
UEC	Ex	Lodging_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Fryer	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	Ex	Lodging_new	Griddle	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	Ex	Lodging_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_new	Other_Cooking	569	569	568	568	568	568	568	567
UEC	Ex	Lodging_new	Space_Heat	5,270	5,268	5,266	5,267	5,266	5,263	5,260	5,257
UEC	Ex	Lodging_new	Water_Heat	9,600	9,597	9,593	9,595	9,593	9,588	9,583	9,577
UEC	Ex	Lodging_old	AC_Compressor	778	777	777	777	777	777	776	776
UEC	Ex	Lodging_old	Cook_top	4,400	4,399	4,396	4,397	4,397	4,394	4,392	4,389
UEC	Ex	Lodging_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Drying	2,360	2,359	2,358	2,359	2,358	2,357	2,356	2,354
UEC	Ex	Lodging_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Fryer	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	Ex	Lodging_old	Griddle	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	Ex	Lodging_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Lodging_old	Other_Cooking	569	569	568	568	568	568	568	567
UEC	Ex	Lodging_old	Space_Heat	5,270	5,268	5,266	5,267	5,266	5,263	5,260	5,257
UEC	Ex	Lodging_old	Water_Heat	9,434	9,431	9,426	9,429	9,427	9,422	9,417	9,411
UEC	Ex	Misc_new	AC_Compressor	3,328	3,325	3,322	3,324	3,322	3,318	3,314	3,310
UEC	Ex	Misc_new	Cook_top	1,844	1,843	1,841	1,842	1,841	1,839	1,837	1,834
UEC	Ex	Misc_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Misc_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Misc_new	Engine	61,762	61,719	61,652	61,687	61,661	61,586	61,516	61,436
UEC	Ex	Misc_new	Fryer	291	290	290	290	290	290	290	289
UEC	Ex	Misc_new	Griddle	809	809	808	809	808	807	806	805
UEC	Ex	Misc_new	Other	674	673	672	673	672	672	671	670
UEC	Ex	Misc_new	Other_Cooking	316	316	315	315	315	315	315	314
UEC	Ex	Misc_new	Space_Heat	1,417	1,416	1,415	1,415	1,415	1,413	1,412	1,410
UEC	Ex	Misc_new	Water_Heat	2,616	2,614	2,611	2,613	2,612	2,608	2,605	2,602
UEC	Ex	Misc_old	AC_Compressor	2,333	2,331	2,329	2,330	2,329	2,326	2,324	2,321
UEC	Ex	Misc_old	Cook_top	824	824	823	823	823	822	821	820
UEC	Ex	Misc_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Misc_old	Engine	60,791	60,749	60,682	60,717	60,691	60,618	60,549	60,470
UEC	Ex	Misc_old	Fryer	806	805	804	805	804	803	802	801
UEC	Ex	Misc_old	Griddle	819	818	818	818	818	817	816	815
UEC	Ex	Misc_old	Other	119	119	119	119	119	119	119	119
UEC	Ex	Misc_old	Other_Cooking	805	804	803	804	804	803	802	801
UEC	Ex	Misc_old	Space_Heat	3,187	3,185	3,181	3,183	3,182	3,178	3,174	3,170
UEC	Ex	Misc_old	Water_Heat	3,076	3,074	3,071	3,072	3,071	3,067	3,064	3,060
UEC	Ex	Office_new	AC_Compressor	721	720	719	719	719	717	716	715
UEC	Ex	Office_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Cooking	228	227	227	227	227	227	226	226
UEC	Ex	Office_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Other	81	81	81	81	81	80	80	80
UEC	Ex	Office_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Office_new	Space_Heat	2,097	2,095	2,091	2,093	2,092	2,087	2,083	2,079
UEC	Ex	Office_new	Water_Heat	315	314	314	314	314	313	313	312
UEC	Ex	Office_old	AC_Compressor	721	720	719	719	719	717	716	715
UEC	Ex	Office_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Cooking	228	227	227	227	227	227	226	226
UEC	Ex	Office_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Other	82	82	82	82	82	82	82	82
UEC	Ex	Office_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Office_old	Space_Heat	2,097	2,095	2,091	2,093	2,092	2,087	2,083	2,079
UEC	Ex	Office_old	Water_Heat	315	314	314	314	314	313	313	312
UEC	Ex	Restaurant_new	AC_Compressor	334	334	333	333	333	333	333	333
UEC	Ex	Restaurant_new	Cook_top	1,971	1,970	1,969	1,970	1,969	1,968	1,967	1,966
UEC	Ex	Restaurant_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Fryer	1,775	1,774	1,773	1,774	1,773	1,772	1,771	1,770
UEC	Ex	Restaurant_new	Griddle	1,497	1,497	1,496	1,497	1,496	1,495	1,495	1,494
UEC	Ex	Restaurant_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_new	Other_Cooking	1,597	1,597	1,596	1,596	1,596	1,595	1,594	1,593
UEC	Ex	Restaurant_new	Space_Heat	193	193	193	193	193	192	192	192

UEC	Ex	Restaurant_new	Water_Heat	1,368	1,368	1,367	1,367	1,367	1,366	1,366	1,365
UEC	Ex	Restaurant_old	AC_Compressor	334	334	333	333	333	333	333	333
UEC	Ex	Restaurant_old	Cook_top	2,052	2,051	2,050	2,051	2,050	2,049	2,048	2,047
UEC	Ex	Restaurant_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Fryer	1,775	1,774	1,773	1,774	1,773	1,772	1,771	1,770
UEC	Ex	Restaurant_old	Griddle	1,548	1,548	1,547	1,547	1,547	1,546	1,545	1,544
UEC	Ex	Restaurant_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Restaurant_old	Other_Cooking	1,597	1,597	1,596	1,596	1,596	1,595	1,594	1,593
UEC	Ex	Restaurant_old	Space_Heat	193	193	193	193	193	192	192	192
UEC	Ex	Restaurant_old	Water_Heat	1,368	1,368	1,367	1,367	1,367	1,366	1,366	1,365
UEC	Ex	Retail_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Cooking	5,997	5,995	5,991	5,993	5,992	5,987	5,983	5,979
UEC	Ex	Retail_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Other	90	90	89	90	89	89	89	89
UEC	Ex	Retail_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Retail_new	Space_Heat	4,758	4,756	4,753	4,754	4,753	4,750	4,746	4,743
UEC	Ex	Retail_new	Water_Heat	2,043	2,042	2,041	2,042	2,041	2,040	2,038	2,037
UEC	Ex	Retail_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Cook_top	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Cooking	5,997	5,995	5,991	5,993	5,992	5,987	5,983	5,979
UEC	Ex	Retail_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Fryer	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Griddle	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Other	94	94	94	94	94	94	94	94
UEC	Ex	Retail_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	Ex	Retail_old	Space_Heat	4,758	4,756	4,753	4,754	4,753	4,750	4,746	4,743
UEC	Ex	Retail_old	Water_Heat	2,043	2,042	2,041	2,042	2,041	2,040	2,038	2,037
UEC	Ex	EDUCATION_new	AC_Compressor	3,488	3,483	3,475	3,479	3,476	3,468	3,460	3,451
UEC	Ex	EDUCATION_new	Cook_top	1,628	1,626	1,623	1,624	1,623	1,619	1,615	1,611
UEC	Ex	EDUCATION_new	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Drying	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Fryer	1,630	1,628	1,624	1,626	1,625	1,621	1,617	1,613
UEC	Ex	EDUCATION_new	Griddle	1,630	1,628	1,624	1,626	1,625	1,621	1,617	1,613
UEC	Ex	EDUCATION_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_new	Other_Cooking	1,628	1,626	1,623	1,624	1,623	1,619	1,615	1,611
UEC	Ex	EDUCATION_new	Space_Heat	6,839	6,829	6,814	6,822	6,816	6,799	6,784	6,766
UEC	Ex	EDUCATION_new	Water_Heat	8,614	8,603	8,583	8,593	8,586	8,565	8,545	8,523
UEC	Ex	EDUCATION_old	AC_Compressor	2,795	2,792	2,785	2,789	2,786	2,779	2,773	2,766
UEC	Ex	EDUCATION_old	Cook_top	1,650	1,648	1,645	1,646	1,645	1,641	1,637	1,633
UEC	Ex	EDUCATION_old	Cooking	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Drying	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Fryer	1,653	1,651	1,647	1,649	1,648	1,644	1,640	1,636
UEC	Ex	EDUCATION_old	Griddle	1,653	1,651	1,647	1,649	1,648	1,644	1,640	1,636
UEC	Ex	EDUCATION_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	EDUCATION_old	Other_Cooking	1,650	1,648	1,645	1,646	1,645	1,641	1,637	1,633
UEC	Ex	EDUCATION_old	Space_Heat	3,970	3,964	3,955	3,960	3,957	3,947	3,938	3,927
UEC	Ex	EDUCATION_old	Water_Heat	5,130	5,123	5,111	5,117	5,113	5,100	5,089	5,075
UEC	New	Agriculture_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Drying	17,586	17,559	17,515	17,538	17,521	17,473	17,429	17,378
UEC	New	Agriculture_new	Engine	75,614	75,498	75,311	75,409	75,336	75,130	74,939	74,719
UEC	New	Agriculture_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Other	827	826	824	825	824	822	820	817
UEC	New	Agriculture_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_new	Space_Heat	12,763	12,743	12,711	12,728	12,716	12,681	12,649	12,612
UEC	New	Agriculture_new	Water_Heat	16,878	16,852	16,810	16,832	16,816	16,770	16,727	16,678
UEC	New	Agriculture_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Other	0	0	0	0	0	0	0	0

UEC	New	Agriculture_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Agriculture_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Health_new	AC_Compressor	2,335	2,335	2,334	2,334	2,334	2,333	2,333	2,332
UEC	New	Health_new	Cook_top	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	New	Health_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_new	Drying	2,997	2,996	2,995	2,996	2,995	2,994	2,994	2,992
UEC	New	Health_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Health_new	Fryer	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	New	Health_new	Griddle	5,402	5,401	5,399	5,400	5,399	5,397	5,396	5,394
UEC	New	Health_new	Other	277	277	277	277	277	277	276	276
UEC	New	Health_new	Other_Cooking	542	542	542	542	542	542	541	541
UEC	New	Health_new	Space_Heat	1,409	1,408	1,408	1,408	1,408	1,408	1,407	1,407
UEC	New	Health_new	Water_Heat	8,221	8,219	8,217	8,218	8,217	8,215	8,212	8,209
UEC	New	Health_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Health_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Health_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Health_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Health_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Health_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Health_old	Other	0	0	0	0	0	0	0	0
UEC	New	Health_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Health_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Health_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Drying	19,880	19,875	19,866	19,871	19,867	19,858	19,849	19,838
UEC	New	Laundry_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Other	740	739	739	739	739	739	738	738
UEC	New	Laundry_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_new	Space_Heat	194	194	194	194	194	194	194	194
UEC	New	Laundry_new	Water_Heat	3,528	3,527	3,525	3,526	3,525	3,524	3,522	3,520
UEC	New	Laundry_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Other	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Laundry_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	AC_Compressor	778	777	777	777	777	777	776	776
UEC	New	Lodging_new	Cook_top	4,400	4,399	4,396	4,397	4,397	4,394	4,392	4,389
UEC	New	Lodging_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Drying	2,360	2,359	2,358	2,359	2,358	2,357	2,356	2,354
UEC	New	Lodging_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Fryer	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	New	Lodging_new	Griddle	5,726	5,724	5,721	5,723	5,722	5,719	5,716	5,712
UEC	New	Lodging_new	Other	0	0	0	0	0	0	0	0
UEC	New	Lodging_new	Other_Cooking	569	569	568	568	568	568	568	567
UEC	New	Lodging_new	Space_Heat	5,270	5,268	5,266	5,267	5,266	5,263	5,260	5,257
UEC	New	Lodging_new	Water_Heat	9,600	9,597	9,593	9,595	9,593	9,588	9,583	9,577
UEC	New	Lodging_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Other	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Lodging_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_new	AC_Compressor	3,328	3,325	3,322	3,324	3,322	3,318	3,314	3,310
UEC	New	Misc_new	Cook_top	1,844	1,843	1,841	1,842	1,841	1,839	1,837	1,834
UEC	New	Misc_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_new	Engine	61,762	61,719	61,652	61,687	61,661	61,586	61,516	61,436
UEC	New	Misc_new	Fryer	291	290	290	290	290	290	290	289

UEC	New	Misc_new	Griddle	809	809	808	809	808	807	806	805
UEC	New	Misc_new	Other	674	673	672	673	672	672	671	670
UEC	New	Misc_new	Other_Cooking	316	316	315	315	315	315	315	314
UEC	New	Misc_new	Space_Heat	1,417	1,416	1,415	1,415	1,415	1,413	1,412	1,410
UEC	New	Misc_new	Water_Heat	2,616	2,614	2,611	2,613	2,612	2,608	2,605	2,602
UEC	New	Misc_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Office_new	AC_Compressor	721	720	719	719	719	717	716	715
UEC	New	Office_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Office_new	Cooking	228	227	227	227	227	227	226	226
UEC	New	Office_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Office_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Office_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Office_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Office_new	Other	81	81	81	81	81	80	80	80
UEC	New	Office_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_new	Space_Heat	2,097	2,095	2,091	2,093	2,092	2,087	2,083	2,079
UEC	New	Office_new	Water_Heat	315	314	314	314	314	313	313	312
UEC	New	Office_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Office_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Office_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Office_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Office_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Office_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Office_old	Other	0	0	0	0	0	0	0	0
UEC	New	Office_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Office_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Office_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	AC_Compressor	334	334	333	333	333	333	333	333
UEC	New	Restaurant_new	Cook_top	1,971	1,970	1,969	1,970	1,969	1,968	1,967	1,966
UEC	New	Restaurant_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Fryer	1,775	1,774	1,773	1,774	1,773	1,772	1,771	1,770
UEC	New	Restaurant_new	Griddle	1,497	1,497	1,496	1,497	1,496	1,495	1,495	1,494
UEC	New	Restaurant_new	Other	0	0	0	0	0	0	0	0
UEC	New	Restaurant_new	Other_Cooking	1,597	1,597	1,596	1,596	1,596	1,595	1,594	1,593
UEC	New	Restaurant_new	Space_Heat	193	193	193	193	193	192	192	192
UEC	New	Restaurant_new	Water_Heat	1,368	1,368	1,367	1,367	1,367	1,366	1,366	1,365
UEC	New	Restaurant_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Other	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Restaurant_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Retail_new	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Cooking	5,997	5,995	5,991	5,993	5,992	5,987	5,983	5,979
UEC	New	Retail_new	Drying	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Fryer	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Griddle	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Other	90	90	89	90	89	89	89	89
UEC	New	Retail_new	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_new	Space_Heat	4,758	4,756	4,753	4,754	4,753	4,750	4,746	4,743
UEC	New	Retail_new	Water_Heat	2,043	2,042	2,041	2,042	2,041	2,040	2,038	2,037
UEC	New	Retail_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Drying	0	0	0	0	0	0	0	0

UEC	New	Retail_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Other	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Retail_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	AC_Compressor	3,488	3,483	3,475	3,479	3,476	3,468	3,460	3,451
UEC	New	EDUCATION_new	Cook_top	1,628	1,626	1,623	1,624	1,623	1,619	1,615	1,611
UEC	New	EDUCATION_new	Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Drying	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Engine	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Fryer	1,630	1,628	1,624	1,626	1,625	1,621	1,617	1,613
UEC	New	EDUCATION_new	Griddle	1,630	1,628	1,624	1,626	1,625	1,621	1,617	1,613
UEC	New	EDUCATION_new	Other	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_new	Other_Cooking	1,628	1,626	1,623	1,624	1,623	1,619	1,615	1,611
UEC	New	EDUCATION_new	Space_Heat	6,839	6,829	6,814	6,822	6,816	6,799	6,784	6,766
UEC	New	EDUCATION_new	Water_Heat	8,614	8,603	8,583	8,593	8,586	8,565	8,545	8,523
UEC	New	EDUCATION_old	AC_Compressor	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Cook_top	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Drying	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Engine	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Fryer	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Griddle	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Other	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Other_Cooking	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	EDUCATION_old	Water_Heat	0	0	0	0	0	0	0	0

**Southern California Gas Company
Core Commercial G-10
Real Gas Rate Forecasts (\$/therm)
Table CoreCom-12**

Year	Real Rate	
2025	\$	1.48
2026	\$	1.45
2027	\$	1.50
2028	\$	1.54
2029	\$	1.57
2030	\$	1.59
2031	\$	1.64
2032	\$	1.67
2033	\$	1.69
2034	\$	1.70
2035	\$	1.72
2036	\$	1.71
2037	\$	1.72
2038	\$	1.74
2039	\$	1.77
2040	\$	1.79

**Southern California Gas Company
Gas AC Demand Forecast (MdtH)
Table CoreCom-13**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	0.91	0.84	0.99	1.01	0.57	0.52	0.70	0.48	0.70	0.71	0.30	0.24	7.98
2026	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2027	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2028	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2029	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2030	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2031	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2032	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2033	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2034	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2035	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2036	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2037	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2038	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2039	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54
2040	0.35	0.40	0.56	0.71	0.78	0.89	1.07	0.96	1.01	0.93	0.52	0.36	8.54

**Southern California Gas Company
Gas Engine Demand Forecast (Mdth)
Table CoreCom-14**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	81	80	95	128	179	225	228	245	236	155	104	72	1,829
2026	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2027	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2028	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2029	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2030	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2031	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2032	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2033	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2034	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2035	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2036	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2037	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2038	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2039	61	71	92	120	161	210	233	242	213	155	107	74	1,740
2040	61	71	92	120	161	210	233	242	213	155	107	74	1,740

**Southern California Gas Company
City of Vernon Migration Forecasts (Mdth)
Table CoreCom-15**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2027	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2028	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2029	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2030	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2031	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2032	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2033	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2034	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2035	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2036	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2037	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2038	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2039	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70
2040	0.40	0.36	0.36	0.31	0.28	0.25	0.24	0.24	0.23	0.28	0.32	0.43	3.70

Southern California Gas Company
Core to NonCore Migration Forecasts (MdtH)
Table CoreCom-16

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	25	22	22	19	17	16	15	15	15	17	20	27	232
2027	25	22	22	19	17	16	15	15	15	17	20	27	232
2028	25	22	22	19	17	16	15	15	15	17	20	27	232
2029	25	22	22	19	17	16	15	15	15	17	20	27	232
2030	25	22	22	19	17	16	15	15	15	17	20	27	232
2031	25	22	22	19	17	16	15	15	15	17	20	27	232
2032	25	22	22	19	17	16	15	15	15	17	20	27	232
2033	25	22	22	19	17	16	15	15	15	17	20	27	232
2034	25	22	22	19	17	16	15	15	15	17	20	27	232
2035	25	22	22	19	17	16	15	15	15	17	20	27	232
2036	25	22	22	19	17	16	15	15	15	17	20	27	232
2037	25	22	22	19	17	16	15	15	15	17	20	27	232
2038	25	22	22	19	17	16	15	15	15	17	20	27	232
2039	25	22	22	19	17	16	15	15	15	17	20	27	232
2040	25	22	22	19	17	16	15	15	15	17	20	27	232

CORE INDUSTRIAL

Core Industrial End-Use Model Description

Introduction:

SoCalGas used the Navigator end-use model to generate annual gas demand forecasts for the Core Industrial G-10 market. The model's market segmentation description and end-use modeling framework are presented in the previous sections of the SoCalGas workpapers.

The SoCalGas Core Industrial segmentation contains the following 8 types:

- Food & Beverage Manufacturing
- Textiles
- Chemicals
- Petroleum Products
- Primary Metals
- Fabricated Metals
- Transportation Equipment
- Miscellaneous

There are two vintages, same as Residential and Core Commercial markets, "Old" and "New". The "Old" describes existing customers (established prior to the year 2021) whereas "New" describes the new meter hookups (established in year 2021 and beyond).

The Core Industrial model identifies 9 end-uses that are the primary drivers of natural gas demand. These are:

- Space Heating
- Water Heating
- Drying
- Engine
- AC Compressor
- Fire-tube Boiler
- Water-tube Boiler
- Furnace/Oven/Kiln
- Other/Miscellaneous

A set of post-model adjustments were applied to the Navigator end-use model's Core Industrial annual demand forecasts in the same way as described in the Core Commercial market. These post-model adjustments included the climate change adjustments, the Energy Efficiency savings, core to noncore transfers, and City of Vernon migration. The forecast was also reduced by the

Additional Achievable Fuel Substitution (AAFS) Scenario 1 Programs and incremental Codes and Standards (PiCS) from the California Energy Commission's 2025 Integrated Energy Policy Report (IEPR). The annual forecasts were also distributed into monthly forecasts by applying estimated monthly consumption shares in the annual consumption.

Data Sources and Tables:

The data used to populate the Navigator model parameter template and used to generate the forecasts includes historical base year consumption and customer counts, price elasticities, the inflation-adjusted gas rate forecasts, historical and forecasted account counts, saturation, fuel shares, and unit energy consumption (UEC) values.

Tables 1-4 illustrate the Core Industrial monthly forecasts under each of the weather design scenarios (Average, Cold, Hot and Base). Table 5 contains the annual out-of-model adjustments. The 2025 historical data is in Table 6. Tables 7-12 show accounts, units, saturations, inflation-adjusted gas rate forecasts, fuel shares and UECs. Table 13 and 14 contain the core to noncore transfers and City of Vernon migration forecasts.

Southern California Gas Company
Core Industrial Demand Forecast (Mdt)
Average Temperature
Table CoreInd-1

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	1,612	1,637	1,683	1,595	1,577	1,447	1,477	1,478	1,513	1,674	1,699	1,732	19,124
2026	1,578	1,602	1,647	1,562	1,545	1,417	1,447	1,447	1,482	1,639	1,663	1,695	18,725
2027	1,555	1,580	1,624	1,540	1,524	1,398	1,428	1,428	1,462	1,617	1,640	1,671	18,467
2028	1,534	1,558	1,603	1,520	1,504	1,380	1,409	1,409	1,444	1,596	1,619	1,649	18,225
2029	1,513	1,538	1,582	1,501	1,485	1,362	1,391	1,392	1,425	1,576	1,598	1,627	17,990
2030	1,493	1,518	1,561	1,482	1,466	1,345	1,374	1,374	1,408	1,557	1,578	1,605	17,762
2031	1,473	1,497	1,540	1,462	1,447	1,328	1,357	1,357	1,390	1,536	1,557	1,583	17,527
2032	1,453	1,477	1,520	1,443	1,429	1,311	1,340	1,340	1,372	1,517	1,537	1,562	17,302
2033	1,434	1,458	1,501	1,425	1,411	1,295	1,323	1,323	1,355	1,498	1,517	1,542	17,084
2034	1,416	1,440	1,482	1,408	1,394	1,280	1,307	1,307	1,339	1,480	1,498	1,522	16,872
2035	1,397	1,421	1,463	1,390	1,376	1,264	1,291	1,291	1,322	1,462	1,479	1,502	16,658
2036	1,380	1,404	1,445	1,373	1,360	1,249	1,276	1,276	1,307	1,445	1,462	1,484	16,461
2037	1,362	1,386	1,427	1,356	1,344	1,234	1,261	1,261	1,291	1,427	1,444	1,465	16,258
2038	1,344	1,367	1,408	1,339	1,326	1,219	1,245	1,245	1,275	1,409	1,425	1,445	16,048
2039	1,326	1,349	1,390	1,322	1,310	1,203	1,229	1,229	1,259	1,392	1,406	1,426	15,841
2040	1,308	1,331	1,371	1,304	1,293	1,188	1,214	1,214	1,243	1,374	1,388	1,406	15,634

Southern California Gas Company
Core Industrial Demand Forecast (Mdth)
Cold Temperature
Table CoreInd-2

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	1,658	1,676	1,714	1,613	1,586	1,448	1,478	1,478	1,514	1,678	1,720	1,780	19,342
2026	1,623	1,641	1,679	1,579	1,553	1,418	1,447	1,447	1,483	1,644	1,684	1,743	18,941
2027	1,600	1,617	1,655	1,558	1,532	1,399	1,428	1,428	1,463	1,621	1,661	1,718	18,680
2028	1,578	1,596	1,633	1,537	1,512	1,381	1,410	1,410	1,444	1,600	1,639	1,695	18,435
2029	1,557	1,575	1,612	1,517	1,493	1,364	1,392	1,392	1,426	1,580	1,618	1,672	18,198
2030	1,537	1,554	1,591	1,498	1,474	1,347	1,375	1,375	1,408	1,561	1,598	1,650	17,968
2031	1,516	1,533	1,570	1,478	1,455	1,330	1,357	1,357	1,390	1,540	1,576	1,628	17,731
2032	1,496	1,513	1,549	1,459	1,436	1,313	1,340	1,340	1,373	1,521	1,556	1,606	17,503
2033	1,476	1,494	1,530	1,441	1,419	1,297	1,323	1,324	1,356	1,502	1,537	1,586	17,284
2034	1,457	1,475	1,510	1,423	1,401	1,281	1,307	1,308	1,340	1,484	1,518	1,565	17,070
2035	1,438	1,456	1,491	1,405	1,384	1,265	1,291	1,291	1,323	1,466	1,498	1,545	16,854
2036	1,421	1,438	1,473	1,389	1,368	1,251	1,276	1,277	1,308	1,449	1,481	1,526	16,655
2037	1,403	1,420	1,455	1,372	1,351	1,236	1,261	1,261	1,292	1,431	1,462	1,506	16,449
2038	1,384	1,401	1,436	1,354	1,334	1,220	1,245	1,245	1,276	1,413	1,443	1,486	16,237
2039	1,365	1,382	1,417	1,337	1,317	1,205	1,230	1,230	1,260	1,395	1,425	1,467	16,028
2040	1,347	1,364	1,398	1,319	1,300	1,189	1,214	1,214	1,244	1,377	1,406	1,447	15,820

Southern California Gas Company
Core Industrial Demand Forecast (Mdt)
Hot Temperature
Table CoreInd-3

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	1,566	1,598	1,651	1,578	1,569	1,445	1,477	1,477	1,513	1,670	1,678	1,685	18,907
2026	1,532	1,564	1,616	1,545	1,536	1,415	1,447	1,447	1,482	1,635	1,642	1,648	18,510
2027	1,510	1,542	1,594	1,523	1,515	1,396	1,427	1,427	1,462	1,613	1,620	1,625	18,254
2028	1,489	1,521	1,572	1,503	1,496	1,378	1,409	1,409	1,443	1,592	1,598	1,602	18,014
2029	1,469	1,501	1,552	1,484	1,477	1,361	1,391	1,391	1,425	1,572	1,577	1,581	17,781
2030	1,450	1,481	1,532	1,465	1,458	1,344	1,374	1,374	1,407	1,553	1,557	1,560	17,556
2031	1,430	1,461	1,511	1,446	1,439	1,327	1,356	1,356	1,389	1,533	1,537	1,539	17,323
2032	1,411	1,442	1,491	1,427	1,421	1,310	1,339	1,339	1,372	1,513	1,517	1,518	17,100
2033	1,392	1,423	1,472	1,409	1,403	1,294	1,323	1,323	1,355	1,495	1,498	1,498	16,885
2034	1,374	1,405	1,453	1,392	1,386	1,278	1,307	1,307	1,338	1,476	1,479	1,479	16,675
2035	1,356	1,386	1,435	1,374	1,369	1,262	1,291	1,291	1,322	1,458	1,460	1,459	16,463
2036	1,339	1,369	1,417	1,358	1,353	1,248	1,276	1,276	1,307	1,441	1,443	1,441	16,268
2037	1,322	1,352	1,399	1,341	1,336	1,233	1,260	1,261	1,291	1,424	1,425	1,423	16,066
2038	1,304	1,334	1,381	1,324	1,319	1,217	1,245	1,245	1,275	1,406	1,406	1,403	15,858
2039	1,286	1,316	1,363	1,307	1,302	1,202	1,229	1,229	1,259	1,388	1,388	1,385	15,653
2040	1,269	1,298	1,345	1,289	1,286	1,187	1,213	1,214	1,243	1,370	1,370	1,366	15,449

Southern California Gas Company
Core Industrial Demand Forecast (Mdth)
Base Temperature
Table CoreInd-4

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	1,528	1,380	1,528	1,479	1,528	1,479	1,528	1,528	1,479	1,528	1,479	1,528	17,990
2026	1,495	1,350	1,495	1,447	1,495	1,447	1,495	1,495	1,447	1,495	1,447	1,495	17,601
2027	1,474	1,331	1,474	1,427	1,474	1,427	1,474	1,474	1,427	1,474	1,427	1,474	17,356
2028	1,455	1,314	1,455	1,408	1,455	1,408	1,455	1,455	1,408	1,455	1,408	1,455	17,126
2029	1,436	1,297	1,436	1,389	1,436	1,389	1,436	1,436	1,389	1,436	1,389	1,436	16,903
2030	1,417	1,280	1,417	1,372	1,417	1,372	1,417	1,417	1,372	1,417	1,372	1,417	16,687
2031	1,398	1,263	1,398	1,353	1,398	1,353	1,398	1,398	1,353	1,398	1,353	1,398	16,464
2032	1,380	1,247	1,380	1,336	1,380	1,336	1,380	1,380	1,336	1,380	1,336	1,380	16,251
2033	1,363	1,231	1,363	1,319	1,363	1,319	1,363	1,363	1,319	1,363	1,319	1,363	16,044
2034	1,346	1,215	1,346	1,302	1,346	1,302	1,346	1,346	1,302	1,346	1,302	1,346	15,843
2035	1,328	1,200	1,328	1,285	1,328	1,285	1,328	1,328	1,285	1,328	1,285	1,328	15,640
2036	1,312	1,185	1,312	1,270	1,312	1,270	1,312	1,312	1,270	1,312	1,270	1,312	15,453
2037	1,296	1,171	1,296	1,254	1,296	1,254	1,296	1,296	1,254	1,296	1,254	1,296	15,260
2038	1,279	1,155	1,279	1,238	1,279	1,238	1,279	1,279	1,238	1,279	1,238	1,279	15,061
2039	1,262	1,140	1,262	1,222	1,262	1,222	1,262	1,262	1,222	1,262	1,222	1,262	14,864
2040	1,246	1,125	1,246	1,206	1,246	1,206	1,246	1,246	1,206	1,246	1,206	1,246	14,668

**Southern California Gas Company
Core Industrial G-10
Out-Of-Model Adjustments (Mdth)
Table CoreInd-5**

Year	Climate Change	Energy Efficiency	AAFS	City of Vernon Migration	Core to NonCore Migration
2025	0	0	0	0	0
2026	-6	-28	0	-6	-182
2027	-12	-57	0	-6	-182
2028	-18	-85	0	-6	-182
2029	-23	-113	0	-6	-182
2030	-29	-138	0	-6	-182
2031	-34	-162	0	-6	-182
2032	-39	-187	0	-6	-182
2033	-44	-212	0	-6	-182
2034	-49	-236	0	-6	-182
2035	-54	-261	0	-6	-182
2036	-59	-285	0	-6	-182
2037	-64	-310	0	-6	-182
2038	-69	-335	0	-6	-182
2039	-73	-361	0	-6	-182
2040	-77	-386	0	-6	-182

**Southern California Gas Company
Core Industrial G-10
Base Year Throughput and Customer Counts
Table CoreInd-6**

Business Type	2025 Weather- adjusted Therm Sales	2025 Meter Count	2025 Meter Count of Existing customers	2025 Meter Count of New Customers	Avg Use Per Meter of Existing Customers	Avg Use Per Meter of New Customers	Price Elasticity
Food	71,624,590	2,544	2,436	108	29,120	6,372	-0.03075
Textile	6,271,186	327	325	2	19,268	4,476	-0.04337
Chemical	17,208,555	871	853	18	19,721	21,490	-0.01859
Petroleum	11,717,125	113	111	2	102,328	179,350	-0.11707
Prim_Metal	7,333,255	243	241	2	29,169	151,732	-0.01213
Fab_Metal	21,915,624	1,671	1,653	18	13,253	424	-0.03872
Transport	12,490,097	1,106	1,099	7	11,352	2,019	-0.09379
Misc	42,683,169	5,387	5,327	60	7,821	17,001	-0.05709
Total	191,243,601	12,262					

Southern California Gas Company
Core Industrial G-10
Accounts
Table CoreInd-7

Segment ID	2025	2026	2027	2028	2029	2030	2031	2032
Chemical_new	18	21	25	28	32	35	38	42
Chemical_old	853	841	829	817	805	793	782	770
Fab_Metal_new	18	21	24	27	30	33	36	39
Fab_Metal_old	1,653	1,633	1,613	1,594	1,575	1,556	1,537	1,518
Food_new	108	128	147	166	185	204	223	242
Food_old	2,436	2,392	2,348	2,305	2,262	2,219	2,177	2,136
Misc_new	60	70	80	90	100	109	119	128
Misc_old	5,327	5,261	5,195	5,130	5,066	5,003	4,940	4,877
Petroleum_new	2	2	2	2	2	2	2	2
Petroleum_old	111	110	109	108	106	105	104	103
Prim_Metal_new	2	2	2	2	2	2	2	2
Prim_Metal_old	241	238	236	233	231	228	226	224
Textile_new	2	2	2	2	2	2	2	2
Textile_old	325	321	318	314	311	307	304	300
Transport_new	7	8	9	10	11	12	13	14
Transport_old	1,099	1,086	1,074	1,061	1,049	1,036	1,024	1,012

Segment ID	2033	2034	2035	2036	2037	2038	2039	2040
Chemical_new	45	48	51	55	58	61	64	67
Chemical_old	759	748	736	725	714	704	693	682
Fab_Metal_new	42	45	48	51	54	56	59	62
Fab_Metal_old	1,500	1,481	1,463	1,445	1,428	1,410	1,393	1,375
Food_new	260	278	296	314	331	349	366	383
Food_old	2,095	2,054	2,014	1,974	1,934	1,895	1,856	1,818
Misc_new	138	147	156	165	174	183	192	201
Misc_old	4,816	4,755	4,694	4,635	4,576	4,517	4,459	4,402
Petroleum_new	2	2	2	2	2	2	2	2
Petroleum_old	102	101	100	99	98	97	96	95
Prim_Metal_new	2	2	2	2	2	2	2	2
Prim_Metal_old	221	219	217	214	212	210	208	205
Textile_new	2	2	2	2	2	2	2	2
Textile_old	297	293	290	287	283	280	277	274
Transport_new	15	16	17	18	19	20	21	22
Transport_old	1,000	988	977	965	954	942	931	920

Note: For each business segment in the above and following tables in this section, there is a postfix that "_old" refers to the vintage on and before 2020 while "_new" refers to the vintage after 2020.

Southern California Gas Company
Core Industrial G-10
Units
Table CoreInd-8

Segment ID	Units
Chemical_new	18
Chemical_old	853
Fab_Metal_new	18
Fab_Metal_old	1,653
Food_new	108
Food_old	2,436
Misc_new	60
Misc_old	5,327
Petroleum_new	2
Petroleum_old	111
Prim_Metal_new	2
Prim_Metal_old	241
Textile_new	2
Textile_old	325
Transport_new	7
Transport_old	1,099

Southern California Gas Company
Core Industrial G-10
Saturation
Table CoreInd-9.1

Saturation	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SATURATION	Ex	Chemical_new	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SATURATION	Ex	Chemical_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Chemical_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Chemical_new	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Chemical_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Chemical_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_new	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_old	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SATURATION	Ex	Chemical_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Chemical_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Chemical_old	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Chemical_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Chemical_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_old	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_old	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Fab_Metal_new	AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SATURATION	Ex	Fab_Metal_new	Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	Fab_Metal_new	Engine	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	Ex	Fab_Metal_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Fab_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Fab_Metal_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Fab_Metal_new	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	Ex	Fab_Metal_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_old	AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SATURATION	Ex	Fab_Metal_old	Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	Fab_Metal_old	Engine	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	Ex	Fab_Metal_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Fab_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Fab_Metal_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Fab_Metal_old	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	Ex	Fab_Metal_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Food_new	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Food_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Food_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Food_new	Fire_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_new	Furnace_Oven_Kiln	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SATURATION	Ex	Food_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Food_new	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SATURATION	Ex	Food_new	Water_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SATURATION	Ex	Food_new	Water_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_old	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Food_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Food_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Food_old	Fire_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_old	Furnace_Oven_Kiln	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SATURATION	Ex	Food_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Food_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SATURATION	Ex	Food_old	Water_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SATURATION	Ex	Food_old	Water_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Misc_new	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_new	Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	Ex	Misc_new	Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SATURATION	Ex	Misc_new	Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Misc_new	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SATURATION	Ex	Misc_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Misc_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Misc_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_new	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Misc_old	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_old	Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	Ex	Misc_old	Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SATURATION	Ex	Misc_old	Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Southern California Gas Company
Core Industrial G-10
Saturation
Table CoreInd-9.2

Saturation	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SATURATION	Ex	Chemical_new	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SATURATION	Ex	Chemical_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Chemical_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Chemical_new	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Chemical_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Chemical_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_new	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_old	AC	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
SATURATION	Ex	Chemical_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Chemical_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Chemical_old	Fire_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Chemical_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Chemical_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Chemical_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_old	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Chemical_old	Water_Tube_Boiler	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
SATURATION	Ex	Fab_Metal_new	AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SATURATION	Ex	Fab_Metal_new	Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	Fab_Metal_new	Engine	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	Ex	Fab_Metal_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_new	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Fab_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Fab_Metal_new	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Fab_Metal_new	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	Ex	Fab_Metal_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_old	AC	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
SATURATION	Ex	Fab_Metal_old	Drying	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SATURATION	Ex	Fab_Metal_old	Engine	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
SATURATION	Ex	Fab_Metal_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Fab_Metal_old	Furnace_Oven_Kiln	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
SATURATION	Ex	Fab_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Fab_Metal_old	Space_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Fab_Metal_old	Water_Heat	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
SATURATION	Ex	Fab_Metal_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SATURATION	Ex	Food_new	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Food_new	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Food_new	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Food_new	Fire_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_new	Furnace_Oven_Kiln	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SATURATION	Ex	Food_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Food_new	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SATURATION	Ex	Food_new	Water_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SATURATION	Ex	Food_new	Water_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_old	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Food_old	Drying	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Food_old	Engine	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
SATURATION	Ex	Food_old	Fire_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Food_old	Furnace_Oven_Kiln	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SATURATION	Ex	Food_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Food_old	Space_Heat	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
SATURATION	Ex	Food_old	Water_Heat	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
SATURATION	Ex	Food_old	Water_Tube_Boiler	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
SATURATION	Ex	Misc_new	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_new	Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	Ex	Misc_new	Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SATURATION	Ex	Misc_new	Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Misc_new	Furnace_Oven_Kiln	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SATURATION	Ex	Misc_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SATURATION	Ex	Misc_new	Space_Heat	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
SATURATION	Ex	Misc_new	Water_Heat	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_new	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SATURATION	Ex	Misc_old	AC	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
SATURATION	Ex	Misc_old	Drying	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SATURATION	Ex	Misc_old	Engine	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
SATURATION	Ex	Misc_old	Fire_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

[illegible]

Southern California Gas Company
Core Industrial G-10
Gas Fuel Market Shares
Table CoreInd-10.1

Share	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
SHARE	Ex	Chemical_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Chemical_new	Drying	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Chemical_new	Engine	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Chemical_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Chemical_new	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Chemical_new	Water_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Chemical_new	Water_Tube_Boiler	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Chemical_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Chemical_old	Drying	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Chemical_old	Engine	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Chemical_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Chemical_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Chemical_old	Water_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Chemical_old	Water_Tube_Boiler	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Fab_Metal_new	Drying	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_new	Fire_Tube_Boiler	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_new	Furnace_Oven_Kiln	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Fab_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Fab_Metal_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Fab_Metal_new	Water_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Fab_Metal_new	Water_Tube_Boiler	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Fab_Metal_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Fab_Metal_old	Drying	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_old	Fire_Tube_Boiler	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_old	Furnace_Oven_Kiln	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Fab_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Fab_Metal_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Fab_Metal_old	Water_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Fab_Metal_old	Water_Tube_Boiler	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Food_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Food_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Food_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_new	Fire_Tube_Boiler	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Food_new	Furnace_Oven_Kiln	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Food_new	Space_Heat	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	Food_new	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	Ex	Food_new	Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Food_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Food_old	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Food_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_old	Fire_Tube_Boiler	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Food_old	Furnace_Oven_Kiln	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Food_old	Space_Heat	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	Food_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	Ex	Food_old	Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Misc_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Misc_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Misc_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Misc_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Misc_new	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Misc_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Misc_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Misc_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

SHARE	Ex	Misc_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Misc_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_old	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Misc_old	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Petroleum_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Petroleum_new	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Petroleum_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Petroleum_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Petroleum_new	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Petroleum_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Petroleum_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Petroleum_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Petroleum_new	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Petroleum_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Petroleum_old	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Petroleum_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Petroleum_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Petroleum_old	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Petroleum_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Petroleum_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Petroleum_old	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Petroleum_old	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Prim_Metal_new	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Prim_Metal_new	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	Ex	Prim_Metal_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Prim_Metal_new	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Prim_Metal_new	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	Ex	Prim_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Prim_Metal_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Prim_Metal_new	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	Ex	Prim_Metal_new	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Prim_Metal_old	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Prim_Metal_old	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	Ex	Prim_Metal_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Prim_Metal_old	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Prim_Metal_old	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	Ex	Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	Ex	Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Textile_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Textile_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	Ex	Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

SHARE	New	Petroleum_new	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Petroleum_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Petroleum_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Petroleum_new	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Petroleum_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Petroleum_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Petroleum_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Petroleum_new	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Petroleum_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Petroleum_old	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Petroleum_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Petroleum_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Petroleum_old	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Petroleum_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Petroleum_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Petroleum_old	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Petroleum_old	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Prim_Metal_new	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Prim_Metal_new	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	New	Prim_Metal_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Prim_Metal_new	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Prim_Metal_new	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	New	Prim_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Prim_Metal_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	New	Prim_Metal_new	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	New	Prim_Metal_new	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Prim_Metal_old	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Prim_Metal_old	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	New	Prim_Metal_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Prim_Metal_old	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Prim_Metal_old	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	New	Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	New	Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	New	Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Textile_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Textile_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	New	Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_old	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	New	Transport_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Southern California Gas Company
Core Industrial G-10
Gas Fuel Market Shares
Table CoreInd-10.2

Share	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
SHARE	Ex	Chemical_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Chemical_new	Drying	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Chemical_new	Engine	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Chemical_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Chemical_new	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Chemical_new	Water_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Chemical_new	Water_Tube_Boiler	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Chemical_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Chemical_old	Drying	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Chemical_old	Engine	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Chemical_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Chemical_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Chemical_old	Space_Heat	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
SHARE	Ex	Chemical_old	Water_Heat	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
SHARE	Ex	Chemical_old	Water_Tube_Boiler	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Fab_Metal_new	Drying	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_new	Fire_Tube_Boiler	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_new	Furnace_Oven_Kiln	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Fab_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Fab_Metal_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Fab_Metal_new	Water_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Fab_Metal_new	Water_Tube_Boiler	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Fab_Metal_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Fab_Metal_old	Drying	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
SHARE	Ex	Fab_Metal_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_old	Fire_Tube_Boiler	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Fab_Metal_old	Furnace_Oven_Kiln	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Fab_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Fab_Metal_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Fab_Metal_old	Water_Heat	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Fab_Metal_old	Water_Tube_Boiler	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Food_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Food_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Food_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_new	Fire_Tube_Boiler	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Food_new	Furnace_Oven_Kiln	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Food_new	Space_Heat	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	Food_new	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	Ex	Food_new	Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Food_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Food_old	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Food_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_old	Fire_Tube_Boiler	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Food_old	Furnace_Oven_Kiln	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Food_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Food_old	Space_Heat	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
SHARE	Ex	Food_old	Water_Heat	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
SHARE	Ex	Food_old	Water_Tube_Boiler	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_new	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Misc_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Misc_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Misc_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Misc_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_new	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Misc_new	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Misc_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Misc_old	Drying	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Misc_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Misc_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

SHARE	Ex	Misc_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Misc_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Misc_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Misc_old	Water_Heat	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
SHARE	Ex	Misc_old	Water_Tube_Boiler	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
SHARE	Ex	Petroleum_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Petroleum_new	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Petroleum_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Petroleum_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Petroleum_new	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Petroleum_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Petroleum_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Petroleum_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Petroleum_new	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Petroleum_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Petroleum_old	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	Ex	Petroleum_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	Ex	Petroleum_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Petroleum_old	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	Ex	Petroleum_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Petroleum_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Petroleum_old	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	Ex	Petroleum_old	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	Ex	Prim_Metal_new	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Prim_Metal_new	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	Ex	Prim_Metal_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Prim_Metal_new	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Prim_Metal_new	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	Ex	Prim_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Prim_Metal_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Prim_Metal_new	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	Ex	Prim_Metal_new	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Prim_Metal_old	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Prim_Metal_old	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	Ex	Prim_Metal_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Prim_Metal_old	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Prim_Metal_old	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	Ex	Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	Ex	Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	Ex	Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	Ex	Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Textile_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	Ex	Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	Ex	Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Textile_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	Ex	Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	Ex	Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	Ex	Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	Ex	Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	Ex	Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	Ex	Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	Ex	Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	Ex	Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	Ex	Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	Ex	Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	Ex	Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

SHARE	New	Petroleum_new	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Petroleum_new	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Petroleum_new	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Petroleum_new	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Petroleum_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Petroleum_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Petroleum_new	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Petroleum_new	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Petroleum_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Petroleum_old	Drying	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
SHARE	New	Petroleum_old	Engine	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
SHARE	New	Petroleum_old	Fire_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Petroleum_old	Furnace_Oven_Kiln	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
SHARE	New	Petroleum_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Petroleum_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Petroleum_old	Water_Heat	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
SHARE	New	Petroleum_old	Water_Tube_Boiler	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
SHARE	New	Prim_Metal_new	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Prim_Metal_new	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	New	Prim_Metal_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Prim_Metal_new	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Prim_Metal_new	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	New	Prim_Metal_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Prim_Metal_new	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	New	Prim_Metal_new	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	New	Prim_Metal_new	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Prim_Metal_old	AC	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Prim_Metal_old	Drying	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
SHARE	New	Prim_Metal_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Prim_Metal_old	Fire_Tube_Boiler	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Prim_Metal_old	Furnace_Oven_Kiln	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
SHARE	New	Prim_Metal_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Prim_Metal_old	Space_Heat	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
SHARE	New	Prim_Metal_old	Water_Heat	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
SHARE	New	Prim_Metal_old	Water_Tube_Boiler	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
SHARE	New	Textile_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_new	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Textile_new	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_new	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Textile_new	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Textile_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Textile_new	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Textile_new	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Textile_new	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	Textile_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_old	Drying	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
SHARE	New	Textile_old	Engine	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Textile_old	Fire_Tube_Boiler	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Textile_old	Furnace_Oven_Kiln	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
SHARE	New	Textile_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Textile_old	Space_Heat	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SHARE	New	Textile_old	Water_Heat	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
SHARE	New	Textile_old	Water_Tube_Boiler	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
SHARE	New	Transport_new	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Transport_new	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_new	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Transport_new	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Transport_new	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Transport_new	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Transport_new	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_new	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	New	Transport_new	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
SHARE	New	Transport_old	AC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHARE	New	Transport_old	Drying	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_old	Engine	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
SHARE	New	Transport_old	Fire_Tube_Boiler	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
SHARE	New	Transport_old	Furnace_Oven_Kiln	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SHARE	New	Transport_old	Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SHARE	New	Transport_old	Space_Heat	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
SHARE	New	Transport_old	Water_Heat	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
SHARE	New	Transport_old	Water_Tube_Boiler	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Southern California Gas Company
Core Industrial G-10
Average Gas Consumption Per Unit (therm)
Table CoreInd-11.1

UEC	Existing/New	Segment ID	End Use	2025	2026	2027	2028	2029	2030	2031	2032
UEC	Ex	Chemical_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Chemical_new	Drying	94,418	94,451	94,384	94,342	94,309	94,282	94,233	94,200
UEC	Ex	Chemical_new	Engine	3,993	3,994	3,992	3,990	3,988	3,987	3,985	3,984
UEC	Ex	Chemical_new	Fire_Tube_Boiler	231,330	231,410	231,246	231,143	231,063	230,995	230,875	230,795
UEC	Ex	Chemical_new	Furnace_Oven_Kiln	254,836	254,924	254,744	254,630	254,541	254,467	254,335	254,247
UEC	Ex	Chemical_new	Other	918	918	917	917	917	916	916	916
UEC	Ex	Chemical_new	Space_Heat	15,699	15,704	15,693	15,686	15,681	15,676	15,668	15,663
UEC	Ex	Chemical_new	Water_Heat	4,446	4,448	4,445	4,443	4,441	4,440	4,437	4,436
UEC	Ex	Chemical_new	Water_Tube_Boiler	187,871	187,936	187,803	187,719	187,654	187,600	187,502	187,437
UEC	Ex	Chemical_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Chemical_old	Drying	94,418	94,451	94,384	94,342	94,309	94,282	94,233	94,200
UEC	Ex	Chemical_old	Engine	3,993	3,994	3,992	3,990	3,988	3,987	3,985	3,984
UEC	Ex	Chemical_old	Fire_Tube_Boiler	231,330	231,410	231,246	231,143	231,063	230,995	230,875	230,795
UEC	Ex	Chemical_old	Furnace_Oven_Kiln	254,836	254,924	254,744	254,630	254,541	254,467	254,335	254,247
UEC	Ex	Chemical_old	Other	918	918	917	917	917	916	916	916
UEC	Ex	Chemical_old	Space_Heat	15,699	15,704	15,693	15,686	15,681	15,676	15,668	15,663
UEC	Ex	Chemical_old	Water_Heat	4,446	4,448	4,445	4,443	4,441	4,440	4,437	4,436
UEC	Ex	Chemical_old	Water_Tube_Boiler	187,871	187,936	187,803	187,719	187,654	187,600	187,502	187,437
UEC	Ex	Fab_Metal_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Fab_Metal_new	Drying	96,988	97,058	96,915	96,825	96,755	96,696	96,592	96,522
UEC	Ex	Fab_Metal_new	Engine	1,417	1,418	1,416	1,415	1,414	1,413	1,411	1,410
UEC	Ex	Fab_Metal_new	Fire_Tube_Boiler	526,496	526,875	526,100	525,611	525,230	524,912	524,343	523,965
UEC	Ex	Fab_Metal_new	Furnace_Oven_Kiln	323,262	323,494	323,018	322,718	322,484	322,289	321,940	321,707
UEC	Ex	Fab_Metal_new	Other	481	481	480	480	480	479	479	478
UEC	Ex	Fab_Metal_new	Space_Heat	2,455	2,457	2,453	2,451	2,449	2,448	2,445	2,443
UEC	Ex	Fab_Metal_new	Water_Heat	5,000	5,004	4,996	4,992	4,988	4,985	4,980	4,976
UEC	Ex	Fab_Metal_new	Water_Tube_Boiler	170,889	171,012	170,760	170,601	170,478	170,374	170,190	170,067
UEC	Ex	Fab_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Fab_Metal_old	Drying	96,988	97,058	96,915	96,825	96,755	96,696	96,592	96,522
UEC	Ex	Fab_Metal_old	Engine	1,417	1,418	1,416	1,415	1,414	1,413	1,411	1,410
UEC	Ex	Fab_Metal_old	Fire_Tube_Boiler	526,497	526,875	526,100	525,611	525,230	524,912	524,343	523,965
UEC	Ex	Fab_Metal_old	Furnace_Oven_Kiln	323,262	323,494	323,018	322,718	322,484	322,289	321,939	321,707
UEC	Ex	Fab_Metal_old	Other	481	481	480	480	480	479	479	478
UEC	Ex	Fab_Metal_old	Space_Heat	2,455	2,457	2,453	2,451	2,449	2,448	2,445	2,443
UEC	Ex	Fab_Metal_old	Water_Heat	5,000	5,004	4,996	4,992	4,988	4,985	4,980	4,976
UEC	Ex	Fab_Metal_old	Water_Tube_Boiler	170,889	171,012	170,760	170,601	170,477	170,374	170,190	170,067
UEC	Ex	Food_new	AC	49,581	49,609	49,551	49,515	49,486	49,462	49,420	49,391
UEC	Ex	Food_new	Drying	233,636	233,770	233,496	233,324	233,190	233,078	232,877	232,743
UEC	Ex	Food_new	Engine	16,464	16,473	16,454	16,442	16,432	16,424	16,410	16,401
UEC	Ex	Food_new	Fire_Tube_Boiler	138,605	138,684	138,522	138,420	138,340	138,274	138,155	138,075
UEC	Ex	Food_new	Furnace_Oven_Kiln	2,789	2,790	2,787	2,785	2,783	2,782	2,780	2,778
UEC	Ex	Food_new	Other	1,053	1,054	1,053	1,052	1,051	1,051	1,050	1,049
UEC	Ex	Food_new	Space_Heat	1,190	1,191	1,189	1,188	1,188	1,187	1,186	1,185
UEC	Ex	Food_new	Water_Heat	5,399	5,402	5,395	5,391	5,388	5,386	5,381	5,378
UEC	Ex	Food_new	Water_Tube_Boiler	131,370	131,445	131,292	131,195	131,119	131,056	130,944	130,868
UEC	Ex	Food_old	AC	49,581	49,609	49,551	49,515	49,486	49,462	49,420	49,391
UEC	Ex	Food_old	Drying	233,636	233,770	233,496	233,324	233,190	233,078	232,877	232,743
UEC	Ex	Food_old	Engine	16,464	16,473	16,454	16,442	16,432	16,424	16,410	16,401
UEC	Ex	Food_old	Fire_Tube_Boiler	138,605	138,684	138,522	138,420	138,340	138,273	138,154	138,075
UEC	Ex	Food_old	Furnace_Oven_Kiln	2,789	2,790	2,787	2,785	2,783	2,782	2,780	2,778
UEC	Ex	Food_old	Other	1,053	1,054	1,053	1,052	1,051	1,051	1,050	1,049
UEC	Ex	Food_old	Space_Heat	1,190	1,191	1,189	1,188	1,188	1,187	1,186	1,185
UEC	Ex	Food_old	Water_Heat	5,399	5,402	5,395	5,391	5,388	5,386	5,381	5,378
UEC	Ex	Food_old	Water_Tube_Boiler	131,370	131,445	131,292	131,195	131,119	131,056	130,944	130,868
UEC	Ex	Misc_new	AC	30	30	30	30	30	30	30	30
UEC	Ex	Misc_new	Drying	93,233	93,332	93,129	93,002	92,902	92,819	92,671	92,573
UEC	Ex	Misc_new	Engine	3,545	3,549	3,541	3,536	3,533	3,530	3,524	3,520
UEC	Ex	Misc_new	Fire_Tube_Boiler	343,087	343,451	342,706	342,236	341,870	341,565	341,019	340,657
UEC	Ex	Misc_new	Furnace_Oven_Kiln	109,368	109,484	109,247	109,097	108,980	108,883	108,709	108,594
UEC	Ex	Misc_new	Other	284	284	284	283	283	283	282	282
UEC	Ex	Misc_new	Space_Heat	3,040	3,043	3,037	3,033	3,029	3,027	3,022	3,019
UEC	Ex	Misc_new	Water_Heat	2,184	2,186	2,181	2,178	2,176	2,174	2,171	2,168
UEC	Ex	Misc_new	Water_Tube_Boiler	178,535	178,724	178,336	178,092	177,901	177,743	177,459	177,270
UEC	Ex	Misc_old	AC	30	30	30	30	30	30	30	30
UEC	Ex	Misc_old	Drying	93,233	93,332	93,129	93,002	92,902	92,819	92,671	92,573
UEC	Ex	Misc_old	Engine	3,545	3,549	3,541	3,536	3,533	3,530	3,524	3,520
UEC	Ex	Misc_old	Fire_Tube_Boiler	343,087	343,451	342,706	342,236	341,870	341,565	341,019	340,657

UEC	Ex	Misc_old	Furnace_Oven_Kiln	109,368	109,484	109,247	109,097	108,980	108,883	108,709	108,594
UEC	Ex	Misc_old	Other	284	284	284	283	283	283	282	282
UEC	Ex	Misc_old	Space_Heat	3,040	3,043	3,037	3,033	3,029	3,027	3,022	3,019
UEC	Ex	Misc_old	Water_Heat	2,184	2,186	2,181	2,178	2,176	2,174	2,171	2,168
UEC	Ex	Misc_old	Water_Tube_Boiler	178,535	178,724	178,336	178,092	177,901	177,743	177,459	177,270
UEC	Ex	Petroleum_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Petroleum_new	Drying	1,796,846	1,800,754	1,792,739	1,787,705	1,783,784	1,780,519	1,774,686	1,770,812
UEC	Ex	Petroleum_new	Engine	306,833	307,501	306,132	305,272	304,603	304,045	303,049	302,388
UEC	Ex	Petroleum_new	Fire_Tube_Boiler	275,830	276,429	275,199	274,426	273,824	273,323	272,428	271,833
UEC	Ex	Petroleum_new	Furnace_Oven_Kiln	3,026	3,033	3,019	3,011	3,004	2,999	2,989	2,982
UEC	Ex	Petroleum_new	Other	3,799	3,808	3,791	3,780	3,772	3,765	3,753	3,744
UEC	Ex	Petroleum_new	Space_Heat	1,426	1,429	1,423	1,419	1,416	1,413	1,408	1,405
UEC	Ex	Petroleum_new	Water_Heat	1,038	1,040	1,035	1,033	1,030	1,028	1,025	1,023
UEC	Ex	Petroleum_new	Water_Tube_Boiler	805,903	807,656	804,062	801,804	800,045	798,581	795,965	794,227
UEC	Ex	Petroleum_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Petroleum_old	Drying	1,796,846	1,800,754	1,792,739	1,787,705	1,783,784	1,780,519	1,774,686	1,770,812
UEC	Ex	Petroleum_old	Engine	318,730	319,424	318,002	317,109	316,413	315,834	314,800	314,113
UEC	Ex	Petroleum_old	Fire_Tube_Boiler	286,525	287,148	285,870	285,067	284,442	283,921	282,991	282,373
UEC	Ex	Petroleum_old	Furnace_Oven_Kiln	3,144	3,150	3,136	3,128	3,121	3,115	3,105	3,098
UEC	Ex	Petroleum_old	Other	3,799	3,808	3,791	3,780	3,772	3,765	3,753	3,744
UEC	Ex	Petroleum_old	Space_Heat	1,481	1,484	1,478	1,474	1,470	1,468	1,463	1,460
UEC	Ex	Petroleum_old	Water_Heat	1,078	1,080	1,076	1,073	1,070	1,068	1,065	1,062
UEC	Ex	Petroleum_old	Water_Tube_Boiler	837,152	838,972	835,239	832,893	831,066	829,545	826,828	825,023
UEC	Ex	Prim_Metal_new	AC	2,810	2,811	2,809	2,809	2,808	2,807	2,807	2,806
UEC	Ex	Prim_Metal_new	Drying	121,600	121,628	121,572	121,536	121,509	121,486	121,445	121,417
UEC	Ex	Prim_Metal_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Prim_Metal_new	Fire_Tube_Boiler	647,359	647,505	647,206	647,018	646,871	646,748	646,529	646,382
UEC	Ex	Prim_Metal_new	Furnace_Oven_Kiln	323,403	323,476	323,327	323,233	323,159	323,098	322,988	322,915
UEC	Ex	Prim_Metal_new	Other	1,209	1,210	1,209	1,209	1,208	1,208	1,208	1,207
UEC	Ex	Prim_Metal_new	Space_Heat	2,029	2,030	2,029	2,028	2,028	2,027	2,027	2,026
UEC	Ex	Prim_Metal_new	Water_Heat	4,396	4,397	4,395	4,394	4,393	4,392	4,391	4,390
UEC	Ex	Prim_Metal_new	Water_Tube_Boiler	360,165	360,246	360,080	359,975	359,894	359,825	359,703	359,622
UEC	Ex	Prim_Metal_old	AC	2,919	2,920	2,918	2,918	2,917	2,916	2,915	2,915
UEC	Ex	Prim_Metal_old	Drying	126,315	126,343	126,285	126,248	126,219	126,195	126,153	126,124
UEC	Ex	Prim_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Prim_Metal_old	Fire_Tube_Boiler	672,455	672,607	672,297	672,101	671,948	671,821	671,593	671,441
UEC	Ex	Prim_Metal_old	Furnace_Oven_Kiln	335,940	336,016	335,861	335,763	335,687	335,624	335,510	335,434
UEC	Ex	Prim_Metal_old	Other	1,209	1,210	1,209	1,209	1,208	1,208	1,208	1,207
UEC	Ex	Prim_Metal_old	Space_Heat	2,108	2,108	2,107	2,107	2,106	2,106	2,105	2,105
UEC	Ex	Prim_Metal_old	Water_Heat	4,567	4,568	4,566	4,564	4,563	4,562	4,561	4,560
UEC	Ex	Prim_Metal_old	Water_Tube_Boiler	374,128	374,212	374,039	373,931	373,846	373,775	373,648	373,563
UEC	Ex	Textile_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Drying	85,159	85,228	85,087	84,999	84,930	84,872	84,769	84,701
UEC	Ex	Textile_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Fire_Tube_Boiler	85,758	85,827	85,685	85,596	85,527	85,469	85,365	85,296
UEC	Ex	Textile_new	Furnace_Oven_Kiln	25,275	25,295	25,254	25,227	25,207	25,190	25,159	25,139
UEC	Ex	Textile_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Space_Heat	430	430	430	429	429	429	428	428
UEC	Ex	Textile_new	Water_Heat	3,865	3,868	3,862	3,858	3,855	3,852	3,847	3,844
UEC	Ex	Textile_new	Water_Tube_Boiler	74,387	74,447	74,324	74,247	74,187	74,136	74,046	73,987
UEC	Ex	Textile_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Drying	88,454	88,526	88,380	88,288	88,216	88,156	88,049	87,978
UEC	Ex	Textile_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Fire_Tube_Boiler	89,076	89,148	89,001	88,908	88,836	88,776	88,668	88,596
UEC	Ex	Textile_old	Furnace_Oven_Kiln	26,253	26,274	26,231	26,204	26,182	26,165	26,133	26,112
UEC	Ex	Textile_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Space_Heat	447	447	446	446	445	445	445	444
UEC	Ex	Textile_old	Water_Heat	4,015	4,018	4,011	4,007	4,004	4,001	3,996	3,993
UEC	Ex	Textile_old	Water_Tube_Boiler	77,265	77,328	77,200	77,120	77,057	77,005	76,912	76,849
UEC	Ex	Transport_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Transport_new	Drying	73,161	73,289	73,028	72,863	72,735	72,629	72,438	72,311
UEC	Ex	Transport_new	Engine	51,010	51,099	50,917	50,802	50,713	50,638	50,506	50,417
UEC	Ex	Transport_new	Fire_Tube_Boiler	361,272	361,901	360,611	359,800	359,168	358,641	357,700	357,074
UEC	Ex	Transport_new	Furnace_Oven_Kiln	136,744	136,983	136,494	136,187	135,948	135,749	135,392	135,155
UEC	Ex	Transport_new	Other	376	376	375	374	374	373	372	371
UEC	Ex	Transport_new	Space_Heat	12,741	12,763	12,718	12,689	12,667	12,648	12,615	12,593
UEC	Ex	Transport_new	Water_Heat	5,060	5,069	5,051	5,040	5,031	5,023	5,010	5,001
UEC	Ex	Transport_new	Water_Tube_Boiler	344,612	345,212	343,981	343,207	342,604	342,102	341,204	340,608
UEC	Ex	Transport_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Transport_old	Drying	73,161	73,289	73,028	72,863	72,735	72,629	72,438	72,311
UEC	Ex	Transport_old	Engine	51,010	51,099	50,917	50,802	50,713	50,638	50,506	50,417
UEC	Ex	Transport_old	Fire_Tube_Boiler	361,272	361,901	360,611	359,800	359,167	358,641	357,700	357,074
UEC	Ex	Transport_old	Furnace_Oven_Kiln	136,744	136,983	136,494	136,187	135,948	135,748	135,392	135,155
UEC	Ex	Transport_old	Other	376	376	375	374	374	373	372	371
UEC	Ex	Transport_old	Space_Heat	12,741	12,763	12,718	12,689	12,667	12,648	12,615	12,593

UEC	Ex	Transport_old	Water_Heat	5,060	5,069	5,051	5,040	5,031	5,023	5,010	5,001
UEC	Ex	Transport_old	Water_Tube_Boiler	344,612	345,212	343,981	343,207	342,604	342,102	341,204	340,608
UEC	New	Chemical_new	AC	0	0	0	0	0	0	0	0
UEC	New	Chemical_new	Drying	94,418	94,451	94,384	94,342	94,309	94,282	94,233	94,200
UEC	New	Chemical_new	Engine	3,993	3,994	3,992	3,990	3,988	3,987	3,985	3,984
UEC	New	Chemical_new	Fire_Tube_Boiler	231,330	231,410	231,246	231,143	231,063	230,995	230,875	230,795
UEC	New	Chemical_new	Furnace_Oven_Kiln	254,836	254,924	254,744	254,630	254,541	254,467	254,335	254,247
UEC	New	Chemical_new	Other	918	918	917	917	917	916	916	916
UEC	New	Chemical_new	Space_Heat	15,699	15,704	15,693	15,686	15,681	15,676	15,668	15,663
UEC	New	Chemical_new	Water_Heat	4,446	4,448	4,445	4,443	4,441	4,440	4,437	4,436
UEC	New	Chemical_new	Water_Tube_Boiler	187,871	187,936	187,803	187,719	187,654	187,600	187,502	187,437
UEC	New	Chemical_old	AC	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Other	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_new	AC	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_new	Drying	96,988	97,058	96,915	96,825	96,755	96,696	96,592	96,522
UEC	New	Fab_Metal_new	Engine	1,417	1,418	1,416	1,415	1,414	1,413	1,411	1,410
UEC	New	Fab_Metal_new	Fire_Tube_Boiler	526,496	526,875	526,100	525,611	525,230	524,912	524,343	523,965
UEC	New	Fab_Metal_new	Furnace_Oven_Kiln	323,262	323,494	323,018	322,718	322,484	322,289	321,940	321,707
UEC	New	Fab_Metal_new	Other	481	481	480	480	480	479	479	478
UEC	New	Fab_Metal_new	Space_Heat	2,455	2,457	2,453	2,451	2,449	2,448	2,445	2,443
UEC	New	Fab_Metal_new	Water_Heat	5,000	5,004	4,996	4,992	4,988	4,985	4,980	4,976
UEC	New	Fab_Metal_new	Water_Tube_Boiler	170,889	171,012	170,760	170,601	170,478	170,374	170,190	170,067
UEC	New	Fab_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Other	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Food_new	AC	49,581	49,609	49,551	49,515	49,486	49,462	49,420	49,391
UEC	New	Food_new	Drying	233,636	233,770	233,496	233,324	233,190	233,078	232,877	232,743
UEC	New	Food_new	Engine	16,464	16,473	16,454	16,442	16,432	16,424	16,410	16,401
UEC	New	Food_new	Fire_Tube_Boiler	138,605	138,684	138,522	138,420	138,340	138,274	138,155	138,075
UEC	New	Food_new	Furnace_Oven_Kiln	2,789	2,790	2,787	2,785	2,783	2,782	2,780	2,778
UEC	New	Food_new	Other	1,053	1,054	1,053	1,052	1,051	1,051	1,050	1,049
UEC	New	Food_new	Space_Heat	1,190	1,191	1,189	1,188	1,188	1,187	1,186	1,185
UEC	New	Food_new	Water_Heat	5,399	5,402	5,395	5,391	5,388	5,386	5,381	5,378
UEC	New	Food_new	Water_Tube_Boiler	131,370	131,445	131,292	131,195	131,119	131,056	130,944	130,868
UEC	New	Food_old	AC	0	0	0	0	0	0	0	0
UEC	New	Food_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Food_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Food_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Food_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Food_old	Other	0	0	0	0	0	0	0	0
UEC	New	Food_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Food_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Food_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Misc_new	AC	30	30	30	30	30	30	30	30
UEC	New	Misc_new	Drying	93,233	93,332	93,129	93,002	92,902	92,819	92,671	92,573
UEC	New	Misc_new	Engine	3,545	3,549	3,541	3,536	3,533	3,530	3,524	3,520
UEC	New	Misc_new	Fire_Tube_Boiler	343,087	343,451	342,706	342,236	341,870	341,565	341,019	340,657
UEC	New	Misc_new	Furnace_Oven_Kiln	109,368	109,484	109,247	109,097	108,980	108,883	108,709	108,594
UEC	New	Misc_new	Other	284	284	284	283	283	283	282	282
UEC	New	Misc_new	Space_Heat	3,040	3,043	3,037	3,033	3,029	3,027	3,022	3,019
UEC	New	Misc_new	Water_Heat	2,184	2,186	2,181	2,178	2,176	2,174	2,171	2,168
UEC	New	Misc_new	Water_Tube_Boiler	178,535	178,724	178,336	178,092	177,901	177,743	177,459	177,270
UEC	New	Misc_old	AC	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Petroleum_new	AC	0	0	0	0	0	0	0	0

UEC	New	Petroleum_new	Drying	1,796,846	1,800,754	1,792,739	1,787,705	1,783,784	1,780,519	1,774,686	1,770,812
UEC	New	Petroleum_new	Engine	306,833	307,501	306,132	305,272	304,603	304,045	303,049	302,388
UEC	New	Petroleum_new	Fire_Tube_Boiler	275,830	276,429	275,199	274,426	273,824	273,323	272,428	271,833
UEC	New	Petroleum_new	Furnace_Oven_Kiln	3,026	3,033	3,019	3,011	3,004	2,999	2,989	2,982
UEC	New	Petroleum_new	Other	3,799	3,808	3,791	3,780	3,772	3,765	3,753	3,744
UEC	New	Petroleum_new	Space_Heat	1,426	1,429	1,423	1,419	1,416	1,413	1,408	1,405
UEC	New	Petroleum_new	Water_Heat	1,038	1,040	1,035	1,033	1,030	1,028	1,025	1,023
UEC	New	Petroleum_new	Water_Tube_Boiler	805,903	807,656	804,062	801,804	800,045	798,581	795,965	794,227
UEC	New	Petroleum_old	AC	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Other	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_new	AC	2,810	2,811	2,809	2,809	2,808	2,807	2,807	2,806
UEC	New	Prim_Metal_new	Drying	121,600	121,628	121,572	121,536	121,509	121,486	121,445	121,417
UEC	New	Prim_Metal_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_new	Fire_Tube_Boiler	647,359	647,505	647,206	647,018	646,871	646,748	646,529	646,382
UEC	New	Prim_Metal_new	Furnace_Oven_Kiln	323,403	323,476	323,327	323,233	323,159	323,098	322,988	322,915
UEC	New	Prim_Metal_new	Other	1,209	1,210	1,209	1,209	1,208	1,208	1,208	1,207
UEC	New	Prim_Metal_new	Space_Heat	2,029	2,030	2,029	2,028	2,028	2,027	2,027	2,026
UEC	New	Prim_Metal_new	Water_Heat	4,396	4,397	4,395	4,394	4,393	4,392	4,391	4,390
UEC	New	Prim_Metal_new	Water_Tube_Boiler	360,165	360,246	360,080	359,975	359,894	359,825	359,703	359,622
UEC	New	Prim_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Other	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Textile_new	AC	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Drying	85,159	85,228	85,087	84,999	84,930	84,872	84,769	84,701
UEC	New	Textile_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Fire_Tube_Boiler	85,758	85,827	85,685	85,596	85,527	85,469	85,365	85,296
UEC	New	Textile_new	Furnace_Oven_Kiln	25,275	25,295	25,254	25,227	25,207	25,190	25,159	25,139
UEC	New	Textile_new	Other	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Space_Heat	430	430	430	429	429	429	428	428
UEC	New	Textile_new	Water_Heat	3,865	3,868	3,862	3,858	3,855	3,852	3,847	3,844
UEC	New	Textile_new	Water_Tube_Boiler	74,387	74,447	74,324	74,247	74,187	74,136	74,046	73,987
UEC	New	Textile_old	AC	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Other	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Transport_new	AC	0	0	0	0	0	0	0	0
UEC	New	Transport_new	Drying	73,161	73,289	73,028	72,863	72,735	72,629	72,438	72,311
UEC	New	Transport_new	Engine	51,010	51,099	50,917	50,802	50,713	50,638	50,506	50,417
UEC	New	Transport_new	Fire_Tube_Boiler	361,272	361,901	360,611	359,800	359,168	358,641	357,700	357,074
UEC	New	Transport_new	Furnace_Oven_Kiln	136,744	136,983	136,494	136,187	135,948	135,749	135,392	135,155
UEC	New	Transport_new	Other	376	376	375	374	374	373	372	371
UEC	New	Transport_new	Space_Heat	12,741	12,763	12,718	12,689	12,667	12,648	12,615	12,593
UEC	New	Transport_new	Water_Heat	5,060	5,069	5,051	5,040	5,031	5,023	5,010	5,001
UEC	New	Transport_new	Water_Tube_Boiler	344,612	345,212	343,981	343,207	342,604	342,102	341,204	340,608
UEC	New	Transport_old	AC	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Other	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0

Southern California Gas Company
Core Industrial G-10
Average Gas Consumption Per Unit (therm)
Table CoreInd-11.2

UEC	Existing/New	Segment ID	End Use	2033	2034	2035	2036	2037	2038	2039	2040
UEC	Ex	Chemical_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Chemical_new	Drying	94,179	94,165	94,143	94,155	94,146	94,122	94,099	94,073
UEC	Ex	Chemical_new	Engine	3,983	3,982	3,981	3,982	3,982	3,980	3,980	3,978
UEC	Ex	Chemical_new	Fire_Tube_Boiler	230,744	230,710	230,656	230,685	230,664	230,604	230,548	230,483
UEC	Ex	Chemical_new	Furnace_Oven_Kiln	254,191	254,153	254,094	254,125	254,102	254,036	253,974	253,903
UEC	Ex	Chemical_new	Other	915	915	915	915	915	915	915	914
UEC	Ex	Chemical_new	Space_Heat	15,659	15,657	15,653	15,655	15,654	15,650	15,646	15,641
UEC	Ex	Chemical_new	Water_Heat	4,435	4,434	4,433	4,434	4,433	4,432	4,431	4,430
UEC	Ex	Chemical_new	Water_Tube_Boiler	187,396	187,368	187,324	187,347	187,330	187,281	187,236	187,184
UEC	Ex	Chemical_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Chemical_old	Drying	94,179	94,165	94,143	94,155	94,146	94,122	94,099	94,073
UEC	Ex	Chemical_old	Engine	3,983	3,982	3,981	3,982	3,982	3,980	3,980	3,978
UEC	Ex	Chemical_old	Fire_Tube_Boiler	230,744	230,711	230,656	230,685	230,664	230,604	230,548	230,483
UEC	Ex	Chemical_old	Furnace_Oven_Kiln	254,191	254,153	254,094	254,125	254,102	254,036	253,974	253,903
UEC	Ex	Chemical_old	Other	915	915	915	915	915	915	915	914
UEC	Ex	Chemical_old	Space_Heat	15,659	15,657	15,653	15,655	15,654	15,650	15,646	15,641
UEC	Ex	Chemical_old	Water_Heat	4,435	4,434	4,433	4,434	4,433	4,432	4,431	4,430
UEC	Ex	Chemical_old	Water_Tube_Boiler	187,396	187,368	187,324	187,347	187,330	187,281	187,236	187,184
UEC	Ex	Fab_Metal_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Fab_Metal_new	Drying	96,478	96,448	96,401	96,426	96,407	96,355	96,306	96,250
UEC	Ex	Fab_Metal_new	Engine	1,410	1,409	1,408	1,409	1,409	1,408	1,407	1,406
UEC	Ex	Fab_Metal_new	Fire_Tube_Boiler	523,723	523,564	523,307	523,442	523,342	523,058	522,794	522,491
UEC	Ex	Fab_Metal_new	Furnace_Oven_Kiln	321,559	321,461	321,304	321,386	321,325	321,151	320,988	320,802
UEC	Ex	Fab_Metal_new	Other	478	478	478	478	478	478	477	477
UEC	Ex	Fab_Metal_new	Space_Heat	2,442	2,441	2,440	2,441	2,440	2,439	2,438	2,436
UEC	Ex	Fab_Metal_new	Water_Heat	4,974	4,972	4,970	4,971	4,970	4,967	4,965	4,962
UEC	Ex	Fab_Metal_new	Water_Tube_Boiler	169,989	169,937	169,853	169,897	169,865	169,773	169,687	169,588
UEC	Ex	Fab_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Fab_Metal_old	Drying	96,478	96,448	96,401	96,426	96,407	96,355	96,306	96,250
UEC	Ex	Fab_Metal_old	Engine	1,410	1,409	1,408	1,409	1,409	1,408	1,407	1,406
UEC	Ex	Fab_Metal_old	Fire_Tube_Boiler	523,723	523,564	523,307	523,442	523,342	523,058	522,794	522,491
UEC	Ex	Fab_Metal_old	Furnace_Oven_Kiln	321,559	321,461	321,303	321,386	321,325	321,151	320,988	320,802
UEC	Ex	Fab_Metal_old	Other	478	478	478	478	478	478	477	477
UEC	Ex	Fab_Metal_old	Space_Heat	2,442	2,441	2,440	2,441	2,440	2,439	2,438	2,436
UEC	Ex	Fab_Metal_old	Water_Heat	4,974	4,972	4,970	4,971	4,970	4,967	4,965	4,962
UEC	Ex	Fab_Metal_old	Water_Tube_Boiler	169,989	169,937	169,853	169,897	169,865	169,773	169,687	169,588
UEC	Ex	Food_new	AC	49,373	49,361	49,342	49,352	49,345	49,323	49,304	49,281
UEC	Ex	Food_new	Drying	232,658	232,602	232,512	232,559	232,524	232,424	232,331	232,223
UEC	Ex	Food_new	Engine	16,395	16,391	16,384	16,388	16,385	16,378	16,372	16,364
UEC	Ex	Food_new	Fire_Tube_Boiler	138,025	137,991	137,938	137,966	137,945	137,886	137,830	137,767
UEC	Ex	Food_new	Furnace_Oven_Kiln	2,777	2,776	2,775	2,776	2,775	2,774	2,773	2,772
UEC	Ex	Food_new	Other	1,049	1,049	1,048	1,049	1,048	1,048	1,048	1,047
UEC	Ex	Food_new	Space_Heat	1,185	1,185	1,184	1,184	1,184	1,184	1,183	1,183
UEC	Ex	Food_new	Water_Heat	5,376	5,375	5,373	5,374	5,373	5,371	5,368	5,366
UEC	Ex	Food_new	Water_Tube_Boiler	130,821	130,789	130,738	130,765	130,745	130,689	130,636	130,576
UEC	Ex	Food_old	AC	49,373	49,361	49,342	49,352	49,345	49,323	49,304	49,281
UEC	Ex	Food_old	Drying	232,658	232,602	232,512	232,559	232,524	232,424	232,330	232,223
UEC	Ex	Food_old	Engine	16,395	16,391	16,384	16,388	16,385	16,378	16,372	16,364
UEC	Ex	Food_old	Fire_Tube_Boiler	138,025	137,991	137,938	137,966	137,945	137,886	137,830	137,767
UEC	Ex	Food_old	Furnace_Oven_Kiln	2,777	2,776	2,775	2,776	2,775	2,774	2,773	2,772
UEC	Ex	Food_old	Other	1,049	1,049	1,048	1,049	1,048	1,048	1,048	1,047
UEC	Ex	Food_old	Space_Heat	1,185	1,185	1,184	1,184	1,184	1,184	1,183	1,183
UEC	Ex	Food_old	Water_Heat	5,376	5,375	5,373	5,374	5,373	5,371	5,368	5,366
UEC	Ex	Food_old	Water_Tube_Boiler	130,821	130,789	130,738	130,765	130,745	130,689	130,636	130,576
UEC	Ex	Misc_new	AC	30	30	30	30	30	30	30	30
UEC	Ex	Misc_new	Drying	92,510	92,468	92,401	92,436	92,410	92,337	92,268	92,189
UEC	Ex	Misc_new	Engine	3,518	3,516	3,514	3,515	3,514	3,511	3,509	3,506
UEC	Ex	Misc_new	Fire_Tube_Boiler	340,425	340,272	340,026	340,155	340,060	339,788	339,535	339,244
UEC	Ex	Misc_new	Furnace_Oven_Kiln	108,520	108,471	108,393	108,434	108,403	108,317	108,236	108,143
UEC	Ex	Misc_new	Other	282	282	282	282	282	281	281	281
UEC	Ex	Misc_new	Space_Heat	3,017	3,015	3,013	3,014	3,013	3,011	3,009	3,006

UEC	Ex	Misc_new	Water_Heat	2,167	2,166	2,164	2,165	2,164	2,163	2,161	2,159
UEC	Ex	Misc_new	Water_Tube_Boiler	177,150	177,070	176,942	177,009	176,959	176,818	176,686	176,535
UEC	Ex	Misc_old	AC	30	30	30	30	30	30	30	30
UEC	Ex	Misc_old	Drying	92,510	92,468	92,401	92,436	92,410	92,337	92,268	92,189
UEC	Ex	Misc_old	Engine	3,518	3,516	3,514	3,515	3,514	3,511	3,509	3,506
UEC	Ex	Misc_old	Fire_Tube_Boiler	340,425	340,272	340,026	340,155	340,060	339,788	339,535	339,244
UEC	Ex	Misc_old	Furnace_Oven_Kiln	108,520	108,471	108,393	108,434	108,403	108,317	108,236	108,143
UEC	Ex	Misc_old	Other	282	282	282	282	282	281	281	281
UEC	Ex	Misc_old	Space_Heat	3,017	3,015	3,013	3,014	3,013	3,011	3,009	3,006
UEC	Ex	Misc_old	Water_Heat	2,167	2,166	2,164	2,165	2,164	2,163	2,161	2,159
UEC	Ex	Misc_old	Water_Tube_Boiler	177,150	177,070	176,942	177,009	176,959	176,818	176,686	176,535
UEC	Ex	Petroleum_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Petroleum_new	Drying	1,768,349	1,766,719	1,764,101	1,765,473	1,764,456	1,761,564	1,758,873	1,755,786
UEC	Ex	Petroleum_new	Engine	301,967	301,689	301,242	301,476	301,302	300,808	300,349	299,822
UEC	Ex	Petroleum_new	Fire_Tube_Boiler	271,455	271,205	270,803	271,014	270,857	270,414	270,000	269,527
UEC	Ex	Petroleum_new	Furnace_Oven_Kiln	2,978	2,975	2,971	2,973	2,972	2,967	2,962	2,957
UEC	Ex	Petroleum_new	Other	3,739	3,736	3,730	3,733	3,731	3,725	3,719	3,713
UEC	Ex	Petroleum_new	Space_Heat	1,403	1,402	1,400	1,401	1,400	1,398	1,396	1,393
UEC	Ex	Petroleum_new	Water_Heat	1,021	1,020	1,019	1,020	1,019	1,017	1,016	1,014
UEC	Ex	Petroleum_new	Water_Tube_Boiler	793,122	792,391	791,217	791,832	791,376	790,079	788,872	787,488
UEC	Ex	Petroleum_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Petroleum_old	Drying	1,768,349	1,766,719	1,764,101	1,765,473	1,764,456	1,761,564	1,758,873	1,755,786
UEC	Ex	Petroleum_old	Engine	313,676	313,386	312,922	313,165	312,985	312,472	311,995	311,447
UEC	Ex	Petroleum_old	Fire_Tube_Boiler	281,981	281,721	281,303	281,522	281,360	280,899	280,469	279,977
UEC	Ex	Petroleum_old	Furnace_Oven_Kiln	3,094	3,091	3,086	3,089	3,087	3,082	3,077	3,072
UEC	Ex	Petroleum_old	Other	3,739	3,736	3,730	3,733	3,731	3,725	3,719	3,713
UEC	Ex	Petroleum_old	Space_Heat	1,458	1,456	1,454	1,455	1,454	1,452	1,450	1,447
UEC	Ex	Petroleum_old	Water_Heat	1,061	1,060	1,058	1,059	1,059	1,057	1,055	1,053
UEC	Ex	Petroleum_old	Water_Tube_Boiler	823,875	823,116	821,896	822,535	822,061	820,714	819,460	818,022
UEC	Ex	Prim_Metal_new	AC	2,805	2,805	2,805	2,805	2,805	2,804	2,804	2,803
UEC	Ex	Prim_Metal_new	Drying	121,400	121,388	121,369	121,379	121,372	121,351	121,332	121,310
UEC	Ex	Prim_Metal_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Prim_Metal_new	Fire_Tube_Boiler	646,289	646,228	646,128	646,180	646,142	646,032	645,930	645,812
UEC	Ex	Prim_Metal_new	Furnace_Oven_Kiln	322,869	322,838	322,788	322,814	322,795	322,740	322,689	322,630
UEC	Ex	Prim_Metal_new	Other	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,206
UEC	Ex	Prim_Metal_new	Space_Heat	2,026	2,026	2,025	2,025	2,025	2,025	2,025	2,024
UEC	Ex	Prim_Metal_new	Water_Heat	4,389	4,388	4,388	4,388	4,388	4,387	4,386	4,386
UEC	Ex	Prim_Metal_new	Water_Tube_Boiler	359,570	359,536	359,480	359,509	359,488	359,427	359,370	359,305
UEC	Ex	Prim_Metal_old	AC	2,914	2,914	2,914	2,914	2,914	2,913	2,913	2,912
UEC	Ex	Prim_Metal_old	Drying	126,106	126,094	126,075	126,085	126,077	126,056	126,036	126,013
UEC	Ex	Prim_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Prim_Metal_old	Fire_Tube_Boiler	671,344	671,280	671,177	671,231	671,191	671,077	670,971	670,849
UEC	Ex	Prim_Metal_old	Furnace_Oven_Kiln	335,385	335,353	335,302	335,329	335,309	335,252	335,199	335,138
UEC	Ex	Prim_Metal_old	Other	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,206
UEC	Ex	Prim_Metal_old	Space_Heat	2,104	2,104	2,104	2,104	2,104	2,104	2,103	2,103
UEC	Ex	Prim_Metal_old	Water_Heat	4,559	4,559	4,558	4,558	4,558	4,557	4,557	4,556
UEC	Ex	Prim_Metal_old	Water_Tube_Boiler	373,509	373,474	373,416	373,447	373,424	373,361	373,302	373,234
UEC	Ex	Textile_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Drying	84,657	84,628	84,582	84,606	84,588	84,537	84,489	84,434
UEC	Ex	Textile_new	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Fire_Tube_Boiler	85,252	85,223	85,176	85,201	85,183	85,131	85,083	85,027
UEC	Ex	Textile_new	Furnace_Oven_Kiln	25,126	25,117	25,104	25,111	25,106	25,090	25,076	25,060
UEC	Ex	Textile_new	Other	0	0	0	0	0	0	0	0
UEC	Ex	Textile_new	Space_Heat	427	427	427	427	427	427	427	426
UEC	Ex	Textile_new	Water_Heat	3,842	3,841	3,839	3,840	3,839	3,837	3,835	3,832
UEC	Ex	Textile_new	Water_Tube_Boiler	73,948	73,923	73,883	73,904	73,888	73,843	73,801	73,754
UEC	Ex	Textile_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Drying	87,933	87,903	87,854	87,880	87,861	87,807	87,758	87,701
UEC	Ex	Textile_old	Engine	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Fire_Tube_Boiler	88,551	88,520	88,472	88,497	88,478	88,425	88,375	88,317
UEC	Ex	Textile_old	Furnace_Oven_Kiln	26,098	26,089	26,075	26,082	26,077	26,061	26,046	26,029
UEC	Ex	Textile_old	Other	0	0	0	0	0	0	0	0
UEC	Ex	Textile_old	Space_Heat	444	444	444	444	444	443	443	443
UEC	Ex	Textile_old	Water_Heat	3,991	3,990	3,987	3,989	3,988	3,985	3,983	3,981
UEC	Ex	Textile_old	Water_Tube_Boiler	76,810	76,783	76,741	76,763	76,747	76,700	76,657	76,607
UEC	Ex	Transport_new	AC	0	0	0	0	0	0	0	0
UEC	Ex	Transport_new	Drying	72,231	72,177	72,092	72,137	72,103	72,009	71,921	71,819
UEC	Ex	Transport_new	Engine	50,361	50,324	50,264	50,295	50,272	50,206	50,145	50,074
UEC	Ex	Transport_new	Fire_Tube_Boiler	356,676	356,413	355,990	356,211	356,047	355,580	355,144	354,645
UEC	Ex	Transport_new	Furnace_Oven_Kiln	135,005	134,905	134,745	134,829	134,767	134,590	134,425	134,236

UEC	Ex	Transport_new	Other	371	371	370	371	370	370	369	369
UEC	Ex	Transport_new	Space_Heat	12,579	12,570	12,555	12,563	12,557	12,540	12,525	12,507
UEC	Ex	Transport_new	Water_Heat	4,996	4,992	4,986	4,989	4,987	4,980	4,974	4,967
UEC	Ex	Transport_new	Water_Tube_Boiler	340,228	339,977	339,573	339,785	339,628	339,182	338,767	338,290
UEC	Ex	Transport_old	AC	0	0	0	0	0	0	0	0
UEC	Ex	Transport_old	Drying	72,231	72,177	72,092	72,137	72,103	72,009	71,921	71,819
UEC	Ex	Transport_old	Engine	50,361	50,324	50,264	50,295	50,272	50,206	50,145	50,074
UEC	Ex	Transport_old	Fire_Tube_Boiler	356,676	356,413	355,990	356,211	356,047	355,579	355,144	354,645
UEC	Ex	Transport_old	Furnace_Oven_Kiln	135,005	134,905	134,745	134,829	134,767	134,590	134,425	134,236
UEC	Ex	Transport_old	Other	371	371	370	371	370	370	369	369
UEC	Ex	Transport_old	Space_Heat	12,579	12,570	12,555	12,563	12,557	12,540	12,525	12,507
UEC	Ex	Transport_old	Water_Heat	4,996	4,992	4,986	4,989	4,987	4,980	4,974	4,967
UEC	Ex	Transport_old	Water_Tube_Boiler	340,228	339,977	339,573	339,785	339,628	339,182	338,767	338,290
UEC	New	Chemical_new	AC	0	0	0	0	0	0	0	0
UEC	New	Chemical_new	Drying	94,179	94,165	94,143	94,155	94,146	94,122	94,099	94,073
UEC	New	Chemical_new	Engine	3,983	3,982	3,981	3,982	3,982	3,980	3,980	3,978
UEC	New	Chemical_new	Fire_Tube_Boiler	230,744	230,710	230,656	230,685	230,664	230,604	230,548	230,483
UEC	New	Chemical_new	Furnace_Oven_Kiln	254,191	254,153	254,094	254,125	254,102	254,036	253,974	253,903
UEC	New	Chemical_new	Other	915	915	915	915	915	915	915	914
UEC	New	Chemical_new	Space_Heat	15,659	15,657	15,653	15,655	15,654	15,650	15,646	15,641
UEC	New	Chemical_new	Water_Heat	4,435	4,434	4,433	4,434	4,433	4,432	4,431	4,430
UEC	New	Chemical_new	Water_Tube_Boiler	187,396	187,368	187,324	187,347	187,330	187,281	187,236	187,184
UEC	New	Chemical_old	AC	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Other	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Chemical_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_new	AC	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_new	Drying	96,478	96,448	96,401	96,426	96,407	96,355	96,306	96,250
UEC	New	Fab_Metal_new	Engine	1,410	1,409	1,408	1,409	1,409	1,408	1,407	1,406
UEC	New	Fab_Metal_new	Fire_Tube_Boiler	523,723	523,564	523,307	523,442	523,342	523,058	522,794	522,491
UEC	New	Fab_Metal_new	Furnace_Oven_Kiln	321,559	321,461	321,304	321,386	321,325	321,151	320,988	320,802
UEC	New	Fab_Metal_new	Other	478	478	478	478	478	478	477	477
UEC	New	Fab_Metal_new	Space_Heat	2,442	2,441	2,440	2,441	2,440	2,439	2,438	2,436
UEC	New	Fab_Metal_new	Water_Heat	4,974	4,972	4,970	4,971	4,970	4,967	4,965	4,962
UEC	New	Fab_Metal_new	Water_Tube_Boiler	169,989	169,937	169,853	169,897	169,865	169,773	169,687	169,588
UEC	New	Fab_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Other	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Fab_Metal_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Food_new	AC	49,373	49,361	49,342	49,352	49,345	49,323	49,304	49,281
UEC	New	Food_new	Drying	232,658	232,602	232,512	232,559	232,524	232,424	232,331	232,223
UEC	New	Food_new	Engine	16,395	16,391	16,384	16,388	16,385	16,378	16,372	16,364
UEC	New	Food_new	Fire_Tube_Boiler	138,025	137,991	137,938	137,966	137,945	137,886	137,830	137,767
UEC	New	Food_new	Furnace_Oven_Kiln	2,777	2,776	2,775	2,776	2,775	2,774	2,773	2,772
UEC	New	Food_new	Other	1,049	1,049	1,048	1,049	1,048	1,048	1,048	1,047
UEC	New	Food_new	Space_Heat	1,185	1,185	1,184	1,184	1,184	1,184	1,183	1,183
UEC	New	Food_new	Water_Heat	5,376	5,375	5,373	5,374	5,373	5,371	5,368	5,366
UEC	New	Food_new	Water_Tube_Boiler	130,821	130,789	130,738	130,765	130,745	130,689	130,636	130,576
UEC	New	Food_old	AC	0	0	0	0	0	0	0	0
UEC	New	Food_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Food_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Food_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Food_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Food_old	Other	0	0	0	0	0	0	0	0
UEC	New	Food_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Food_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Food_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Misc_new	AC	30	30	30	30	30	30	30	30
UEC	New	Misc_new	Drying	92,510	92,468	92,401	92,436	92,410	92,337	92,268	92,189
UEC	New	Misc_new	Engine	3,518	3,516	3,514	3,515	3,514	3,511	3,509	3,506

UEC	New	Misc_new	Fire_Tube_Boiler	340,425	340,272	340,026	340,155	340,060	339,788	339,535	339,244
UEC	New	Misc_new	Furnace_Oven_Kiln	108,520	108,471	108,393	108,434	108,403	108,317	108,236	108,143
UEC	New	Misc_new	Other	282	282	282	282	282	281	281	281
UEC	New	Misc_new	Space_Heat	3,017	3,015	3,013	3,014	3,013	3,011	3,009	3,006
UEC	New	Misc_new	Water_Heat	2,167	2,166	2,164	2,165	2,164	2,163	2,161	2,159
UEC	New	Misc_new	Water_Tube_Boiler	177,150	177,070	176,942	177,009	176,959	176,818	176,686	176,535
UEC	New	Misc_old	AC	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Other	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Misc_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Petroleum_new	AC	0	0	0	0	0	0	0	0
UEC	New	Petroleum_new	Drying	1,768,349	1,766,719	1,764,101	1,765,473	1,764,456	1,761,564	1,758,873	1,755,786
UEC	New	Petroleum_new	Engine	301,967	301,689	301,242	301,476	301,302	300,808	300,349	299,822
UEC	New	Petroleum_new	Fire_Tube_Boiler	271,455	271,205	270,803	271,014	270,857	270,414	270,000	269,527
UEC	New	Petroleum_new	Furnace_Oven_Kiln	2,978	2,975	2,971	2,973	2,972	2,967	2,962	2,957
UEC	New	Petroleum_new	Other	3,739	3,736	3,730	3,733	3,731	3,725	3,719	3,713
UEC	New	Petroleum_new	Space_Heat	1,403	1,402	1,400	1,401	1,400	1,398	1,396	1,393
UEC	New	Petroleum_new	Water_Heat	1,021	1,020	1,019	1,020	1,019	1,017	1,016	1,014
UEC	New	Petroleum_new	Water_Tube_Boiler	793,122	792,391	791,217	791,832	791,376	790,079	788,872	787,488
UEC	New	Petroleum_old	AC	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Other	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Petroleum_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_new	AC	2,805	2,805	2,805	2,805	2,805	2,804	2,804	2,803
UEC	New	Prim_Metal_new	Drying	121,400	121,388	121,369	121,379	121,372	121,351	121,332	121,310
UEC	New	Prim_Metal_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_new	Fire_Tube_Boiler	646,289	646,228	646,128	646,180	646,142	646,032	645,930	645,812
UEC	New	Prim_Metal_new	Furnace_Oven_Kiln	322,869	322,838	322,788	322,814	322,795	322,740	322,689	322,630
UEC	New	Prim_Metal_new	Other	1,207	1,207	1,207	1,207	1,207	1,207	1,207	1,206
UEC	New	Prim_Metal_new	Space_Heat	2,026	2,026	2,025	2,025	2,025	2,025	2,025	2,024
UEC	New	Prim_Metal_new	Water_Heat	4,389	4,388	4,388	4,388	4,388	4,387	4,386	4,386
UEC	New	Prim_Metal_new	Water_Tube_Boiler	359,570	359,536	359,480	359,509	359,488	359,427	359,370	359,305
UEC	New	Prim_Metal_old	AC	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Other	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Prim_Metal_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Textile_new	AC	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Drying	84,657	84,628	84,582	84,606	84,588	84,537	84,489	84,434
UEC	New	Textile_new	Engine	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Fire_Tube_Boiler	85,252	85,223	85,176	85,201	85,183	85,131	85,083	85,027
UEC	New	Textile_new	Furnace_Oven_Kiln	25,126	25,117	25,104	25,111	25,106	25,090	25,076	25,060
UEC	New	Textile_new	Other	0	0	0	0	0	0	0	0
UEC	New	Textile_new	Space_Heat	427	427	427	427	427	427	427	426
UEC	New	Textile_new	Water_Heat	3,842	3,841	3,839	3,840	3,839	3,837	3,835	3,832
UEC	New	Textile_new	Water_Tube_Boiler	73,948	73,923	73,883	73,904	73,888	73,843	73,801	73,754
UEC	New	Textile_old	AC	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Other	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Textile_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Transport_new	AC	0	0	0	0	0	0	0	0

UEC	New	Transport_new	Drying	72,231	72,177	72,092	72,137	72,103	72,009	71,921	71,819
UEC	New	Transport_new	Engine	50,361	50,324	50,264	50,295	50,272	50,206	50,145	50,074
UEC	New	Transport_new	Fire_Tube_Boiler	356,676	356,413	355,990	356,211	356,047	355,580	355,144	354,645
UEC	New	Transport_new	Furnace_Oven_Kiln	135,005	134,905	134,745	134,829	134,767	134,590	134,425	134,236
UEC	New	Transport_new	Other	371	371	370	371	370	370	369	369
UEC	New	Transport_new	Space_Heat	12,579	12,570	12,555	12,563	12,557	12,540	12,525	12,507
UEC	New	Transport_new	Water_Heat	4,996	4,992	4,986	4,989	4,987	4,980	4,974	4,967
UEC	New	Transport_new	Water_Tube_Boiler	340,228	339,977	339,573	339,785	339,628	339,182	338,767	338,290
UEC	New	Transport_old	AC	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Drying	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Engine	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Fire_Tube_Boiler	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Furnace_Oven_Kiln	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Other	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Space_Heat	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Water_Heat	0	0	0	0	0	0	0	0
UEC	New	Transport_old	Water_Tube_Boiler	0	0	0	0	0	0	0	0

**Southern California Gas Company
Core Industrial G-10
Real Gas Rate Forecasts (\$/therm)
Table CoreInd-12**

Year	Real Rate	
2025	\$	1.48
2026	\$	1.45
2027	\$	1.50
2028	\$	1.54
2029	\$	1.57
2030	\$	1.59
2031	\$	1.64
2032	\$	1.67
2033	\$	1.69
2034	\$	1.70
2035	\$	1.72
2036	\$	1.71
2037	\$	1.72
2038	\$	1.74
2039	\$	1.77
2040	\$	1.79

**Southern California Gas Company
Core Industrial Demand Forecast (MdtH)
City Of Vernon Migration Forecasts
Table CoreInd-13**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2027	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2028	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2029	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2030	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2031	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2032	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2033	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2034	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2035	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2036	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2037	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2038	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2039	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85
2040	0.49	0.50	0.51	0.49	0.48	0.44	0.45	0.45	0.46	0.51	0.52	0.53	5.85

**Southern California Gas Company
Core Industrial Demand Forecast (Mdth)
Core to NonCore Migration Forecasts
Table CoreInd-14**

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2025	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	15	16	16	15	15	14	14	14	14	16	16	17	182
2027	15	16	16	15	15	14	14	14	14	16	16	17	182
2028	15	16	16	15	15	14	14	14	14	16	16	17	182
2029	15	16	16	15	15	14	14	14	14	16	16	17	182
2030	15	16	16	15	15	14	14	14	14	16	16	17	182
2031	15	16	16	15	15	14	14	14	14	16	16	17	182
2032	15	16	16	15	15	14	14	14	14	16	16	17	182
2033	15	16	16	15	15	14	14	14	14	16	16	17	182
2034	15	16	16	15	15	14	14	14	14	16	16	17	182
2035	15	16	16	15	15	14	14	14	14	16	16	17	182
2036	15	16	16	15	15	14	14	14	14	16	16	17	182
2037	15	16	16	15	15	14	14	14	14	16	16	17	182
2038	15	16	16	15	15	14	14	14	14	16	16	17	182
2039	15	16	16	15	15	14	14	14	14	16	16	17	182
2040	15	16	16	15	15	14	14	14	14	16	16	17	182

NONCORE COMMERCIAL

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, additional achievable Fuel Substitution (AAFS) 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 2010-2025.

B. Natural Gas Price

The natural gas prices used to forecast demand were based on the price of gas at the burner-tip in each market segment, 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 2025. 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 history and forecast through 2040 is based on S&P Market Intelligence's regional forecast. S&P Market Intelligence prepares regular regional employment forecast for California and the 12 counties in SoCalGas' service area. The monthly employment used in the model was generated by summing the employment data over the commercial and industrial NAICS codes. Seasonality was added to S&P Market Intelligence's seasonally adjusted history and forecast using seasonality factors derived from California

Employment and Development Department (CA EDD) monthly historical not seasonally adjusted (NSA) data.

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. These include the utility's energy saving goals and additional achievable Fuel Substitution (AAFS) 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 is forecasted using a base econometric employing monthly historic data from 2010 through 2025. 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.

Below are SAS base econometric forecast model results.

The AUTOREG Procedure					
Maximum Likelihood Estimates					
SSE	949769.44	DFE			176
MSE	5396	Root MSE			73.46031
SBC	2262.63305	AIC			2210.51313
MAE	44.3981296	AICC			2213.6217
MAPE	2.95532907	HQC			2231.62208
Log Likelihood	-1089.2566	Transformed Regression R-Square			0.8366
Durbin-Watson	1.9364	Total R-Square			0.9037
		Observations			192

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t
Intercept	1	1284	171.1316	7.50	<.0001
HDD	1	1.3976	0.1469	9.52	<.0001
Employment	1	0.0226	0.0219	1.03	0.3044
Price	1	-2.0509	2.2509	-0.91	0.3635
Month_01	1	33.8265	22.3980	1.51	0.1328
Month_02	1	-102.4104	27.3274	-3.75	0.0002
Month_03	1	0.9986	31.5303	0.03	0.9748
Month_04	1	-92.8596	39.2864	-2.36	0.0192
Month_05	1	-109.0850	43.7446	-2.49	0.0136
Month_06	1	-209.4819	48.1795	-4.35	<.0001
Month_07	1	-232.6053	48.9858	-4.75	<.0001
Month_08	1	-186.4517	48.4926	-3.84	0.0002
Month_09	1	149.2661	47.2025	3.16	0.0018
Month_10	1	18.7091	43.3846	0.43	0.6668
Month_11	1	-96.3667	28.4824	-3.38	0.0009
AR1	1	-0.5723	0.0622	-9.20	<.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 (2026-2040)

Month	HDD	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-26	259.1	9.119	1	0	0	0	0	0	0	0	0	0	0	1,784.1
Feb-26	217.9	7.885	0	1	0	0	0	0	0	0	0	0	0	1,619.7
Mar-26	177.3	8.199	0	0	1	0	0	0	0	0	0	0	0	1,680.6
Apr-26	98.6	7.869	0	0	0	1	0	0	0	0	0	0	0	1,483.5
May-26	47.1	7.905	0	0	0	0	1	0	0	0	0	0	0	1,400.7
Jun-26	9.1	7.996	0	0	0	0	0	1	0	0	0	0	0	1,249.9
Jul-26	1.8	8.837	0	0	0	0	0	0	1	0	0	0	0	1,214.9
Aug-26	1.4	9.374	0	0	0	0	0	0	0	1	0	0	0	1,261.4
Sep-26	3.8	9.204	0	0	0	0	0	0	0	0	1	0	0	1,602.5
Oct-26	23.4	9.132	0	0	0	0	0	0	0	0	0	1	0	1,502.7
Nov-26	119.6	9.444	0	0	0	0	0	0	0	0	0	0	1	1,523.4
Dec-26	269.1	10.059	0	0	0	0	0	0	0	0	0	0	0	1,827.7
Jan-27	257.7	11.298	1	0	0	0	0	0	0	0	0	0	0	1,837.4
Feb-27	216.7	10.871	0	1	0	0	0	0	0	0	0	0	0	1,646.3
Mar-27	176.4	9.310	0	0	1	0	0	0	0	0	0	0	0	1,696.8
Apr-27	98.1	8.808	0	0	0	1	0	0	0	0	0	0	0	1,492.3
May-27	46.9	8.452	0	0	0	0	1	0	0	0	0	0	0	1,405.9
Jun-27	9.0	8.855	0	0	0	0	0	1	0	0	0	0	0	1,252.0
Jul-27	1.8	9.335	0	0	0	0	0	0	1	0	0	0	0	1,216.3
Aug-27	1.4	9.546	0	0	0	0	0	0	0	1	0	0	0	1,262.6
Sep-27	3.8	9.112	0	0	0	0	0	0	0	0	1	0	0	1,603.7
Oct-27	23.3	8.649	0	0	0	0	0	0	0	0	0	1	0	1,504.2
Nov-27	119.0	8.507	0	0	0	0	0	0	0	0	0	0	1	1,525.0
Dec-27	267.6	9.705	0	0	0	0	0	0	0	0	0	0	0	1,826.8
Jan-28	256.3	10.313	1	0	0	0	0	0	0	0	0	0	0	1,837.8
Feb-28	215.6	10.545	0	1	0	0	0	0	0	0	0	0	0	1,645.6
Mar-28	175.4	9.879	0	0	1	0	0	0	0	0	0	0	0	1,694.5
Apr-28	97.6	9.034	0	0	0	1	0	0	0	0	0	0	0	1,491.3
May-28	46.6	8.364	0	0	0	0	1	0	0	0	0	0	0	1,406.0
Jun-28	9.0	8.801	0	0	0	0	0	1	0	0	0	0	0	1,252.3
Jul-28	1.8	9.488	0	0	0	0	0	0	1	0	0	0	0	1,216.3
Aug-28	1.4	10.104	0	0	0	0	0	0	0	1	0	0	0	1,261.9
Sep-28	3.8	9.928	0	0	0	0	0	0	0	0	1	0	0	1,602.5
Oct-28	23.2	9.857	0	0	0	0	0	0	0	0	0	1	0	1,502.1
Nov-28	118.3	10.009	0	0	0	0	0	0	0	0	0	0	1	1,521.5
Dec-28	266.2	10.751	0	0	0	0	0	0	0	0	0	0	0	1,823.2

Base Forecast of Noncore Commercial Gas Demand (2026-2040)

Month	HDD	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-29	254.9	10.747	1	0	0	0	0	0	0	0	0	0	0	1,835.6
Feb-29	214.4	10.088	0	1	0	0	0	0	0	0	0	0	0	1,645.6
Mar-29	174.5	9.881	0	0	1	0	0	0	0	0	0	0	0	1,693.9
Apr-29	97.0	9.856	0	0	0	1	0	0	0	0	0	0	0	1,489.6
May-29	46.4	9.162	0	0	0	0	1	0	0	0	0	0	0	1,404.7
Jun-29	8.9	9.332	0	0	0	0	0	1	0	0	0	0	0	1,251.8
Jul-29	1.8	10.100	0	0	0	0	0	0	1	0	0	0	0	1,215.7
Aug-29	1.4	10.386	0	0	0	0	0	0	0	1	0	0	0	1,261.8
Sep-29	3.7	10.102	0	0	0	0	0	0	0	0	1	0	0	1,602.7
Oct-29	23.1	9.969	0	0	0	0	0	0	0	0	0	1	0	1,502.3
Nov-29	117.7	10.303	0	0	0	0	0	0	0	0	0	0	1	1,520.7
Dec-29	264.7	10.848	0	0	0	0	0	0	0	0	0	0	0	1,821.6
Jan-30	253.5	11.657	1	0	0	0	0	0	0	0	0	0	0	1,832.4
Feb-30	213.2	11.271	0	1	0	0	0	0	0	0	0	0	0	1,642.2
Mar-30	173.5	10.293	0	0	1	0	0	0	0	0	0	0	0	1,692.4
Apr-30	96.5	9.663	0	0	0	1	0	0	0	0	0	0	0	1,489.9
May-30	46.1	9.393	0	0	0	0	1	0	0	0	0	0	0	1,404.6
Jun-30	8.9	9.687	0	0	0	0	0	1	0	0	0	0	0	1,251.8
Jul-30	1.8	10.255	0	0	0	0	0	0	1	0	0	0	0	1,216.1
Aug-30	1.4	10.382	0	0	0	0	0	0	0	1	0	0	0	1,262.5
Sep-30	3.7	10.277	0	0	0	0	0	0	0	0	1	0	0	1,602.9
Oct-30	22.9	10.030	0	0	0	0	0	0	0	0	0	1	0	1,502.6
Nov-30	117.0	10.150	0	0	0	0	0	0	0	0	0	0	1	1,520.7
Dec-30	263.3	10.993	0	0	0	0	0	0	0	0	0	0	0	1,819.9
Jan-31	252.1	11.791	1	0	0	0	0	0	0	0	0	0	0	1,830.7
Feb-31	212.1	11.470	0	1	0	0	0	0	0	0	0	0	0	1,640.6
Mar-31	172.6	10.989	0	0	1	0	0	0	0	0	0	0	0	1,690.1
Apr-31	96.0	10.368	0	0	0	1	0	0	0	0	0	0	0	1,488.2
May-31	45.9	10.034	0	0	0	0	1	0	0	0	0	0	0	1,403.3
Jun-31	8.8	10.174	0	0	0	0	0	1	0	0	0	0	0	1,251.1
Jul-31	1.8	10.631	0	0	0	0	0	0	1	0	0	0	0	1,215.6
Aug-31	1.4	10.685	0	0	0	0	0	0	0	1	0	0	0	1,262.3
Sep-31	3.7	10.571	0	0	0	0	0	0	0	0	1	0	0	1,602.7
Oct-31	22.8	10.571	0	0	0	0	0	0	0	0	0	1	0	1,501.8
Nov-31	116.4	10.946	0	0	0	0	0	0	0	0	0	0	1	1,518.6
Dec-31	261.8	11.438	0	0	0	0	0	0	0	0	0	0	0	1,817.4

Base Forecast of Noncore Commercial Gas Demand (2026-2040)

Month	HDD	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-32	250.7	12.173	1	0	0	0	0	0	0	0	0	0	0	1,828.4
Feb-32	210.9	11.800	0	1	0	0	0	0	0	0	0	0	0	1,638.8
Mar-32	171.6	11.244	0	0	1	0	0	0	0	0	0	0	0	1,688.7
Apr-32	95.5	10.795	0	0	0	1	0	0	0	0	0	0	0	1,486.9
May-32	45.6	10.588	0	0	0	0	1	0	0	0	0	0	0	1,402.2
Jun-32	8.8	10.736	0	0	0	0	0	1	0	0	0	0	0	1,250.3
Jul-32	1.8	10.911	0	0	0	0	0	0	1	0	0	0	0	1,215.4
Aug-32	1.4	10.932	0	0	0	0	0	0	0	1	0	0	0	1,262.1
Sep-32	3.7	10.761	0	0	0	0	0	0	0	0	1	0	0	1,602.7
Oct-32	22.7	10.747	0	0	0	0	0	0	0	0	0	1	0	1,501.6
Nov-32	115.8	11.265	0	0	0	0	0	0	0	0	0	0	1	1,517.4
Dec-32	260.4	11.709	0	0	0	0	0	0	0	0	0	0	0	1,815.2
Jan-33	249.4	12.233	1	0	0	0	0	0	0	0	0	0	0	1,826.8
Feb-33	209.7	11.811	0	1	0	0	0	0	0	0	0	0	0	1,637.5
Mar-33	170.6	11.450	0	0	1	0	0	0	0	0	0	0	0	1,687.3
Apr-33	94.9	11.022	0	0	0	1	0	0	0	0	0	0	0	1,486.2
May-33	45.4	10.841	0	0	0	0	1	0	0	0	0	0	0	1,401.7
Jun-33	8.7	11.044	0	0	0	0	0	1	0	0	0	0	0	1,250.0
Jul-33	1.8	11.253	0	0	0	0	0	0	1	0	0	0	0	1,215.1
Aug-33	1.4	11.313	0	0	0	0	0	0	0	1	0	0	0	1,261.8
Sep-33	3.7	11.076	0	0	0	0	0	0	0	0	1	0	0	1,602.4
Oct-33	22.5	11.063	0	0	0	0	0	0	0	0	0	1	0	1,501.2
Nov-33	115.1	11.499	0	0	0	0	0	0	0	0	0	0	1	1,516.5
Dec-33	259.0	11.822	0	0	0	0	0	0	0	0	0	0	0	1,813.4
Jan-34	248.0	12.360	1	0	0	0	0	0	0	0	0	0	0	1,824.9
Feb-34	208.5	12.016	0	1	0	0	0	0	0	0	0	0	0	1,635.8
Mar-34	169.7	11.598	0	0	1	0	0	0	0	0	0	0	0	1,686.0
Apr-34	94.4	11.217	0	0	0	1	0	0	0	0	0	0	0	1,485.3
May-34	45.1	11.016	0	0	0	0	1	0	0	0	0	0	0	1,401.4
Jun-34	8.7	11.223	0	0	0	0	0	1	0	0	0	0	0	1,249.9
Jul-34	1.8	11.417	0	0	0	0	0	0	1	0	0	0	0	1,215.1
Aug-34	1.4	11.459	0	0	0	0	0	0	0	1	0	0	0	1,261.8
Sep-34	3.6	11.240	0	0	0	0	0	0	0	0	1	0	0	1,602.4
Oct-34	22.4	11.256	0	0	0	0	0	0	0	0	0	1	0	1,501.0
Nov-34	114.5	11.704	0	0	0	0	0	0	0	0	0	0	1	1,515.5
Dec-34	257.5	11.858	0	0	0	0	0	0	0	0	0	0	0	1,811.6

Base Forecast of Noncore Commercial Gas Demand (2026-2040)

Month	HDD	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-35	246.6	12.532	1	0	0	0	0	0	0	0	0	0	0	1,823.0
Feb-35	207.4	12.172	0	1	0	0	0	0	0	0	0	0	0	1,634.2
Mar-35	168.7	11.983	0	0	1	0	0	0	0	0	0	0	0	1,684.3
Apr-35	93.9	11.451	0	0	0	1	0	0	0	0	0	0	0	1,484.5
May-35	44.9	11.282	0	0	0	0	1	0	0	0	0	0	0	1,400.9
Jun-35	8.6	11.462	0	0	0	0	0	1	0	0	0	0	0	1,249.7
Jul-35	1.8	11.656	0	0	0	0	0	0	1	0	0	0	0	1,215.0
Aug-35	1.4	11.717	0	0	0	0	0	0	0	1	0	0	0	1,261.7
Sep-35	3.6	11.569	0	0	0	0	0	0	0	0	1	0	0	1,602.1
Oct-35	22.3	11.556	0	0	0	0	0	0	0	0	0	1	0	1,500.6
Nov-35	113.8	11.797	0	0	0	0	0	0	0	0	0	0	1	1,514.8
Dec-35	256.1	12.039	0	0	0	0	0	0	0	0	0	0	0	1,809.7
Jan-36	245.2	12.453	1	0	0	0	0	0	0	0	0	0	0	1,821.6
Feb-36	206.2	12.180	0	1	0	0	0	0	0	0	0	0	0	1,633.0
Mar-36	167.8	11.628	0	0	1	0	0	0	0	0	0	0	0	1,684.1
Apr-36	93.3	11.381	0	0	0	1	0	0	0	0	0	0	0	1,484.3
May-36	44.6	11.189	0	0	0	0	1	0	0	0	0	0	0	1,401.1
Jun-36	8.6	11.373	0	0	0	0	0	1	0	0	0	0	0	1,250.2
Jul-36	1.7	11.540	0	0	0	0	0	0	1	0	0	0	0	1,215.6
Aug-36	1.4	11.572	0	0	0	0	0	0	0	1	0	0	0	1,262.3
Sep-36	3.6	11.500	0	0	0	0	0	0	0	0	1	0	0	1,602.6
Oct-36	22.2	11.497	0	0	0	0	0	0	0	0	0	1	0	1,501.0
Nov-36	113.2	11.838	0	0	0	0	0	0	0	0	0	0	1	1,514.3
Dec-36	254.6	12.056	0	0	0	0	0	0	0	0	0	0	0	1,808.0
Jan-37	243.8	12.534	1	0	0	0	0	0	0	0	0	0	0	1,819.9
Feb-37	205.0	12.332	0	1	0	0	0	0	0	0	0	0	0	1,631.5
Mar-37	166.8	11.715	0	0	1	0	0	0	0	0	0	0	0	1,683.1
Apr-37	92.8	11.462	0	0	0	1	0	0	0	0	0	0	0	1,483.9
May-37	44.4	11.245	0	0	0	0	1	0	0	0	0	0	0	1,401.1
Jun-37	8.5	11.445	0	0	0	0	0	1	0	0	0	0	0	1,250.5
Jul-37	1.7	11.646	0	0	0	0	0	0	1	0	0	0	0	1,215.9
Aug-37	1.4	11.713	0	0	0	0	0	0	0	1	0	0	0	1,262.6
Sep-37	3.6	11.630	0	0	0	0	0	0	0	0	1	0	0	1,602.9
Oct-37	22.0	11.636	0	0	0	0	0	0	0	0	0	1	0	1,501.1
Nov-37	112.6	11.959	0	0	0	0	0	0	0	0	0	0	1	1,513.8
Dec-37	253.2	12.262	0	0	0	0	0	0	0	0	0	0	0	1,806.3

Base Forecast of Noncore Commercial Gas Demand (2026-2040)

Month	HDD	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-38	242.4	12.725	1	0	0	0	0	0	0	0	0	0	0	1,818.3
Feb-38	203.9	12.478	0	1	0	0	0	0	0	0	0	0	0	1,630.3
Mar-38	165.9	12.087	0	0	1	0	0	0	0	0	0	0	0	1,681.7
Apr-38	92.3	11.820	0	0	0	1	0	0	0	0	0	0	0	1,483.2
May-38	44.1	11.545	0	0	0	0	1	0	0	0	0	0	0	1,400.9
Jun-38	8.5	11.767	0	0	0	0	0	1	0	0	0	0	0	1,250.6
Jul-38	1.7	11.960	0	0	0	0	0	0	1	0	0	0	0	1,216.1
Aug-38	1.3	12.017	0	0	0	0	0	0	0	1	0	0	0	1,262.8
Sep-38	3.6	11.872	0	0	0	0	0	0	0	0	1	0	0	1,603.3
Oct-38	21.9	11.866	0	0	0	0	0	0	0	0	0	1	0	1,501.4
Nov-38	111.9	12.166	0	0	0	0	0	0	0	0	0	0	1	1,513.4
Dec-38	251.7	12.468	0	0	0	0	0	0	0	0	0	0	0	1,804.8
Jan-39	241.0	12.984	1	0	0	0	0	0	0	0	0	0	0	1,816.7
Feb-39	202.7	12.615	0	1	0	0	0	0	0	0	0	0	0	1,629.3
Mar-39	164.9	12.223	0	0	1	0	0	0	0	0	0	0	0	1,681.0
Apr-39	91.7	12.108	0	0	0	1	0	0	0	0	0	0	0	1,482.7
May-39	43.9	11.843	0	0	0	0	1	0	0	0	0	0	0	1,400.9
Jun-39	8.4	11.992	0	0	0	0	0	1	0	0	0	0	0	1,250.9
Jul-39	1.7	12.230	0	0	0	0	0	0	1	0	0	0	0	1,216.4
Aug-39	1.3	12.311	0	0	0	0	0	0	0	1	0	0	0	1,263.0
Sep-39	3.5	12.110	0	0	0	0	0	0	0	0	1	0	0	1,603.6
Oct-39	21.8	12.092	0	0	0	0	0	0	0	0	0	1	0	1,501.6
Nov-39	111.3	12.537	0	0	0	0	0	0	0	0	0	0	1	1,512.6
Dec-39	250.3	12.777	0	0	0	0	0	0	0	0	0	0	0	1,803.0
Jan-40	239.6	13.338	1	0	0	0	0	0	0	0	0	0	0	1,814.9
Feb-40	201.5	13.113	0	1	0	0	0	0	0	0	0	0	0	1,627.5
Mar-40	164.0	12.624	0	0	1	0	0	0	0	0	0	0	0	1,679.8
Apr-40	91.2	12.339	0	0	0	1	0	0	0	0	0	0	0	1,482.5
May-40	43.6	12.088	0	0	0	0	1	0	0	0	0	0	0	1,401.0
Jun-40	8.4	12.279	0	0	0	0	0	1	0	0	0	0	0	1,251.3
Jul-40	1.7	12.508	0	0	0	0	0	0	1	0	0	0	0	1,216.8
Aug-40	1.3	12.606	0	0	0	0	0	0	0	1	0	0	0	1,263.5
Sep-40	3.5	12.440	0	0	0	0	0	0	0	0	1	0	0	1,604.0
Oct-40	21.7	12.318	0	0	0	0	0	0	0	0	0	1	0	1,502.0
Nov-40	110.6	12.721	0	0	0	0	0	0	0	0	0	0	1	1,512.4
Dec-40	248.8	12.964	0	0	0	0	0	0	0	0	0	0	0	1,801.6

Noncore Commercial Annual Post-model Adjustment (2025-2040)

Year	Base Econometric Model Output (MDth)	Vernon Migration	EE Program (MDth)	AAFS	Migration: core --> noncore	Final Average Year Forecast (MDth)	Adjustment %
2025	17,892.7	0.0	0.0	0.0	0.0	17,892.7	0.00%
2026	18,151.0	0.0	0.0	105.3	232.1	18,277.8	0.70%
2027	18,269.3	0.0	0.0	209.5	232.1	18,291.8	0.12%
2028	18,255.2	0.0	0.0	312.6	232.1	18,174.7	-0.44%
2029	18,245.9	0.0	0.0	414.9	232.1	18,063.0	-1.00%
2030	18,237.9	0.0	0.0	424.0	232.1	18,046.0	-1.05%
2031	18,222.4	0.0	0.0	433.0	232.1	18,021.5	-1.10%
2032	18,209.8	0.0	0.0	442.0	232.1	17,999.9	-1.15%
2033	18,199.8	0.0	0.0	450.8	232.1	17,981.1	-1.20%
2034	18,190.6	0.0	0.0	459.2	232.1	17,963.5	-1.25%
2035	18,180.5	0.0	0.0	466.9	232.1	17,945.7	-1.29%
2036	18,178.3	0.0	0.0	472.8	232.1	17,937.5	-1.32%
2037	18,172.5	0.0	0.0	475.7	232.1	17,928.9	-1.34%
2038	18,166.8	0.0	0.0	472.9	232.1	17,926.0	-1.33%
2039	18,161.8	0.0	0.0	461.0	232.1	17,932.9	-1.26%
2040	18,157.3	0.0	0.0	436.0	232.1	17,953.4	-1.12%

Noncore Commercial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdt)	Average Year Adjustment %	Final Average Year Forecast (Mdt)
Jan-26	1,784.1	0.70%	1,796.5
Feb-26	1,619.7	0.70%	1,631.0
Mar-26	1,680.6	0.70%	1,692.3
Apr-26	1,483.5	0.70%	1,493.8
May-26	1,400.7	0.70%	1,410.5
Jun-26	1,249.9	0.70%	1,258.6
Jul-26	1,214.9	0.70%	1,223.4
Aug-26	1,261.4	0.70%	1,270.2
Sep-26	1,602.5	0.70%	1,613.7
Oct-26	1,502.7	0.70%	1,513.2
Nov-26	1,523.4	0.70%	1,534.0
Dec-26	1,827.7	0.70%	1,840.4
Jan-27	1,837.4	0.12%	1,839.7
Feb-27	1,646.3	0.12%	1,648.4
Mar-27	1,696.8	0.12%	1,698.9
Apr-27	1,492.3	0.12%	1,494.1
May-27	1,405.9	0.12%	1,407.6
Jun-27	1,252.0	0.12%	1,253.5
Jul-27	1,216.3	0.12%	1,217.8
Aug-27	1,262.6	0.12%	1,264.1
Sep-27	1,603.7	0.12%	1,605.7
Oct-27	1,504.2	0.12%	1,506.1
Nov-27	1,525.0	0.12%	1,526.9
Dec-27	1,826.8	0.12%	1,829.1
Jan-28	1,837.8	-0.44%	1,829.7
Feb-28	1,645.6	-0.44%	1,638.4
Mar-28	1,694.5	-0.44%	1,687.0
Apr-28	1,491.3	-0.44%	1,484.7
May-28	1,406.0	-0.44%	1,399.8
Jun-28	1,252.3	-0.44%	1,246.8
Jul-28	1,216.3	-0.44%	1,211.0
Aug-28	1,261.9	-0.44%	1,256.3
Sep-28	1,602.5	-0.44%	1,595.4
Oct-28	1,502.1	-0.44%	1,495.5
Nov-28	1,521.5	-0.44%	1,514.8
Dec-28	1,823.2	-0.44%	1,815.1
Jan-29	1,835.6	-1.00%	1,817.2
Feb-29	1,645.6	-1.00%	1,629.1
Mar-29	1,693.9	-1.00%	1,676.9
Apr-29	1,489.6	-1.00%	1,474.6
May-29	1,404.7	-1.00%	1,390.6
Jun-29	1,251.8	-1.00%	1,239.3
Jul-29	1,215.7	-1.00%	1,203.5
Aug-29	1,261.8	-1.00%	1,249.2
Sep-29	1,602.7	-1.00%	1,586.6
Oct-29	1,502.3	-1.00%	1,487.2
Nov-29	1,520.7	-1.00%	1,505.4
Dec-29	1,821.6	-1.00%	1,803.4

Noncore Commercial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdt)	Average Year Adjustment %	Final Average Year Forecast (Mdt)
Jan-30	1,832.4	-1.05%	1,813.2
Feb-30	1,642.2	-1.05%	1,624.9
Mar-30	1,692.4	-1.05%	1,674.6
Apr-30	1,489.9	-1.05%	1,474.2
May-30	1,404.6	-1.05%	1,389.8
Jun-30	1,251.8	-1.05%	1,238.6
Jul-30	1,216.1	-1.05%	1,203.3
Aug-30	1,262.5	-1.05%	1,249.2
Sep-30	1,602.9	-1.05%	1,586.1
Oct-30	1,502.6	-1.05%	1,486.8
Nov-30	1,520.7	-1.05%	1,504.7
Dec-30	1,819.9	-1.05%	1,800.7
Jan-31	1,830.7	-1.10%	1,810.5
Feb-31	1,640.6	-1.10%	1,622.6
Mar-31	1,690.1	-1.10%	1,671.5
Apr-31	1,488.2	-1.10%	1,471.7
May-31	1,403.3	-1.10%	1,387.8
Jun-31	1,251.1	-1.10%	1,237.3
Jul-31	1,215.6	-1.10%	1,202.2
Aug-31	1,262.3	-1.10%	1,248.4
Sep-31	1,602.7	-1.10%	1,585.0
Oct-31	1,501.8	-1.10%	1,485.2
Nov-31	1,518.6	-1.10%	1,501.9
Dec-31	1,817.4	-1.10%	1,797.4
Jan-32	1,828.4	-1.15%	1,807.4
Feb-32	1,638.8	-1.15%	1,619.9
Mar-32	1,688.7	-1.15%	1,669.2
Apr-32	1,486.9	-1.15%	1,469.8
May-32	1,402.2	-1.15%	1,386.0
Jun-32	1,250.3	-1.15%	1,235.8
Jul-32	1,215.4	-1.15%	1,201.4
Aug-32	1,262.1	-1.15%	1,247.6
Sep-32	1,602.7	-1.15%	1,584.2
Oct-32	1,501.6	-1.15%	1,484.3
Nov-32	1,517.4	-1.15%	1,499.9
Dec-32	1,815.2	-1.15%	1,794.3
Jan-33	1,826.8	-1.20%	1,804.8
Feb-33	1,637.5	-1.20%	1,617.8
Mar-33	1,687.3	-1.20%	1,667.0
Apr-33	1,486.2	-1.20%	1,468.3
May-33	1,401.7	-1.20%	1,384.9
Jun-33	1,250.0	-1.20%	1,235.0
Jul-33	1,215.1	-1.20%	1,200.5
Aug-33	1,261.8	-1.20%	1,246.6
Sep-33	1,602.4	-1.20%	1,583.2
Oct-33	1,501.2	-1.20%	1,483.2
Nov-33	1,516.5	-1.20%	1,498.2
Dec-33	1,813.4	-1.20%	1,791.6

Noncore Commercial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-34	1,824.9	-1.25%	1,802.1
Feb-34	1,635.8	-1.25%	1,615.4
Mar-34	1,686.0	-1.25%	1,665.0
Apr-34	1,485.3	-1.25%	1,466.8
May-34	1,401.4	-1.25%	1,383.9
Jun-34	1,249.9	-1.25%	1,234.3
Jul-34	1,215.1	-1.25%	1,199.9
Aug-34	1,261.8	-1.25%	1,246.0
Sep-34	1,602.4	-1.25%	1,582.3
Oct-34	1,501.0	-1.25%	1,482.2
Nov-34	1,515.5	-1.25%	1,496.6
Dec-34	1,811.6	-1.25%	1,789.0
Jan-35	1,823.0	-1.29%	1,799.4
Feb-35	1,634.2	-1.29%	1,613.1
Mar-35	1,684.3	-1.29%	1,662.5
Apr-35	1,484.5	-1.29%	1,465.3
May-35	1,400.9	-1.29%	1,382.8
Jun-35	1,249.7	-1.29%	1,233.6
Jul-35	1,215.0	-1.29%	1,199.3
Aug-35	1,261.7	-1.29%	1,245.4
Sep-35	1,602.1	-1.29%	1,581.4
Oct-35	1,500.6	-1.29%	1,481.2
Nov-35	1,514.8	-1.29%	1,495.3
Dec-35	1,809.7	-1.29%	1,786.3
Jan-36	1,821.6	-1.32%	1,797.5
Feb-36	1,633.0	-1.32%	1,611.4
Mar-36	1,684.1	-1.32%	1,661.8
Apr-36	1,484.3	-1.32%	1,464.7
May-36	1,401.1	-1.32%	1,382.6
Jun-36	1,250.2	-1.32%	1,233.7
Jul-36	1,215.6	-1.32%	1,199.5
Aug-36	1,262.3	-1.32%	1,245.6
Sep-36	1,602.6	-1.32%	1,581.4
Oct-36	1,501.0	-1.32%	1,481.1
Nov-36	1,514.3	-1.32%	1,494.2
Dec-36	1,808.0	-1.32%	1,784.1
Jan-37	1,819.9	-1.34%	1,795.5
Feb-37	1,631.5	-1.34%	1,609.6
Mar-37	1,683.1	-1.34%	1,660.5
Apr-37	1,483.9	-1.34%	1,464.0
May-37	1,401.1	-1.34%	1,382.3
Jun-37	1,250.5	-1.34%	1,233.7
Jul-37	1,215.9	-1.34%	1,199.6
Aug-37	1,262.6	-1.34%	1,245.7
Sep-37	1,602.9	-1.34%	1,581.4
Oct-37	1,501.1	-1.34%	1,481.0
Nov-37	1,513.8	-1.34%	1,493.5
Dec-37	1,806.3	-1.34%	1,782.1

Noncore Commercial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdt)	Average Year Adjustment %	Final Average Year Forecast (Mdt)
Jan-38	1,818.3	-1.33%	1,794.2
Feb-38	1,630.3	-1.33%	1,608.7
Mar-38	1,681.7	-1.33%	1,659.4
Apr-38	1,483.2	-1.33%	1,463.5
May-38	1,400.9	-1.33%	1,382.4
Jun-38	1,250.6	-1.33%	1,234.0
Jul-38	1,216.1	-1.33%	1,200.0
Aug-38	1,262.8	-1.33%	1,246.1
Sep-38	1,603.3	-1.33%	1,582.0
Oct-38	1,501.4	-1.33%	1,481.5
Nov-38	1,513.4	-1.33%	1,493.3
Dec-38	1,804.8	-1.33%	1,780.9
Jan-39	1,816.7	-1.26%	1,793.8
Feb-39	1,629.3	-1.26%	1,608.7
Mar-39	1,681.0	-1.26%	1,659.8
Apr-39	1,482.7	-1.26%	1,464.1
May-39	1,400.9	-1.26%	1,383.2
Jun-39	1,250.9	-1.26%	1,235.2
Jul-39	1,216.4	-1.26%	1,201.1
Aug-39	1,263.0	-1.26%	1,247.1
Sep-39	1,603.6	-1.26%	1,583.4
Oct-39	1,501.6	-1.26%	1,482.7
Nov-39	1,512.6	-1.26%	1,493.5
Dec-39	1,803.0	-1.26%	1,780.3
Jan-40	1,814.9	-1.12%	1,794.5
Feb-40	1,627.5	-1.12%	1,609.2
Mar-40	1,679.8	-1.12%	1,660.9
Apr-40	1,482.5	-1.12%	1,465.8
May-40	1,401.0	-1.12%	1,385.2
Jun-40	1,251.3	-1.12%	1,237.2
Jul-40	1,216.8	-1.12%	1,203.2
Aug-40	1,263.5	-1.12%	1,249.3
Sep-40	1,604.0	-1.12%	1,586.0
Oct-40	1,502.0	-1.12%	1,485.2
Nov-40	1,512.4	-1.12%	1,495.4
Dec-40	1,801.6	-1.12%	1,781.4

NONCORE INDUSTRIAL

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 2010-2025.

B. Natural Gas Price

The natural gas prices used to forecast demand were based on the price of gas at the burner-tip in each market segment, 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 2025. 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 history and forecast through 2040 is based on S&P Market Intelligence's regional forecast. S&P Market Intelligence prepares regular regional employment forecast for California and the 12 counties in SoCalGas' service area. The monthly employment used in the model was generated by summing the employment data over the commercial and industrial NAICS codes. Seasonality was added to S&P Market Intelligence's seasonally

adjusted history and forecast using seasonality factors derived from California Employment and Development Department (CA EDD) monthly historical not seasonally adjusted (NSA) data.

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. The utility's energy saving goals 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 historic data from 2010 through 2025. 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.

Below are SAS base econometric forecast model results.

The AUTOREG Procedure					
Maximum Likelihood Estimates					
SSE	3175793.53	DFE			176
MSE	18044	Root MSE			134.32900
SBC	2494.36941	AIC			2442.24949
MAE	98.0896476	AICC			2445.35806
MAPE	2.38310032	HQC			2463.35844
Log Likelihood	-1205.1247	Transformed Regression R-Square			0.8007
Durbin-Watson	2.0625	Total R-Square			0.8908
		Observations			192

Parameter Estimates					
Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t
Intercept	1	-1323	560.3300	-2.36	0.0193
HDD	1	0.4514	0.2686	1.68	0.0946
Employment	1	7.3995	0.8147	9.08	<.0001
Price	1	-5.5008	4.1625	-1.32	0.1880
Month_01	1	299.0382	39.5627	7.56	<.0001
Month_02	1	-22.6582	49.1652	-0.46	0.6455
Month_03	1	368.8945	56.8514	6.49	<.0001
Month_04	1	471.2425	70.5157	6.68	<.0001
Month_05	1	570.8970	78.6284	7.26	<.0001
Month_06	1	400.8817	86.6870	4.62	<.0001
Month_07	1	750.0820	87.8895	8.53	<.0001
Month_08	1	1092	87.4422	12.49	<.0001
Month_09	1	847.1764	85.5097	9.91	<.0001
Month_10	1	514.1039	79.1788	6.49	<.0001
Month_11	1	124.8660	52.2137	2.39	0.0178
AR1	1	-0.5568	0.0628	-8.87	<.0001

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

Base Forecast of Noncore Industrial Gas Demand (2026-2040)

Month	HDD	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-26	259.1	8.400	1	0	0	0	0	0	0	0	0	0	0	3,533.1
Feb-26	217.9	7.168	0	1	0	0	0	0	0	0	0	0	0	3,248.4
Mar-26	177.3	7.483	0	0	1	0	0	0	0	0	0	0	0	3,625.2
Apr-26	98.6	7.155	0	0	0	1	0	0	0	0	0	0	0	3,661.0
May-26	47.1	7.192	0	0	0	0	1	0	0	0	0	0	0	3,767.5
Jun-26	9.1	7.285	0	0	0	0	0	1	0	0	0	0	0	3,608.0
Jul-26	1.8	8.127	0	0	0	0	0	0	1	0	0	0	0	3,955.8
Aug-26	1.4	8.665	0	0	0	0	0	0	0	1	0	0	0	4,289.5
Sep-26	3.8	8.497	0	0	0	0	0	0	0	0	1	0	0	4,017.4
Oct-26	23.4	8.426	0	0	0	0	0	0	0	0	0	1	0	3,700.0
Nov-26	119.6	8.740	0	0	0	0	0	0	0	0	0	0	1	3,331.0
Dec-26	269.1	9.356	0	0	0	0	0	0	0	0	0	0	0	3,252.2
Jan-27	257.7	10.578	1	0	0	0	0	0	0	0	0	0	0	3,489.5
Feb-27	216.7	10.152	0	1	0	0	0	0	0	0	0	0	0	3,184.1
Mar-27	176.4	8.593	0	0	1	0	0	0	0	0	0	0	0	3,560.8
Apr-27	98.1	8.092	0	0	0	1	0	0	0	0	0	0	0	3,593.3
May-27	46.9	7.738	0	0	0	0	1	0	0	0	0	0	0	3,698.4
Jun-27	9.0	8.141	0	0	0	0	0	1	0	0	0	0	0	3,534.5
Jul-27	1.8	8.623	0	0	0	0	0	0	1	0	0	0	0	3,891.6
Aug-27	1.4	8.835	0	0	0	0	0	0	0	1	0	0	0	4,234.9
Sep-27	3.8	8.403	0	0	0	0	0	0	0	0	1	0	0	3,972.3
Oct-27	23.3	7.941	0	0	0	0	0	0	0	0	0	1	0	3,661.1
Nov-27	119.0	7.801	0	0	0	0	0	0	0	0	0	0	1	3,298.7
Dec-27	267.6	8.999	0	0	0	0	0	0	0	0	0	0	0	3,220.7
Jan-28	256.3	9.595	1	0	0	0	0	0	0	0	0	0	0	3,459.0
Feb-28	215.6	9.828	0	1	0	0	0	0	0	0	0	0	0	3,146.8
Mar-28	175.4	9.163	0	0	1	0	0	0	0	0	0	0	0	3,515.7
Apr-28	97.6	8.319	0	0	0	1	0	0	0	0	0	0	0	3,543.6
May-28	46.6	7.650	0	0	0	0	1	0	0	0	0	0	0	3,643.1
Jun-28	9.0	8.089	0	0	0	0	0	1	0	0	0	0	0	3,471.7
Jul-28	1.8	8.776	0	0	0	0	0	0	1	0	0	0	0	3,819.7
Aug-28	1.4	9.394	0	0	0	0	0	0	0	1	0	0	0	4,152.9
Sep-28	3.8	9.219	0	0	0	0	0	0	0	0	1	0	0	3,881.6
Oct-28	23.2	9.150	0	0	0	0	0	0	0	0	0	1	0	3,561.8
Nov-28	118.3	9.303	0	0	0	0	0	0	0	0	0	0	1	3,191.7
Dec-28	266.2	10.046	0	0	0	0	0	0	0	0	0	0	0	3,110.0

Base Forecast of Noncore Industrial Gas Demand (2026-2040)

Month	HDD	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-29	254.9	10.030	1	0	0	0	0	0	0	0	0	0	0	3,353.8
Feb-29	214.4	9.372	0	1	0	0	0	0	0	0	0	0	0	3,046.9
Mar-29	174.5	9.166	0	0	1	0	0	0	0	0	0	0	0	3,414.5
Apr-29	97.0	9.143	0	0	0	1	0	0	0	0	0	0	0	3,443.1
May-29	46.4	8.450	0	0	0	0	1	0	0	0	0	0	0	3,546.5
Jun-29	8.9	8.621	0	0	0	0	0	1	0	0	0	0	0	3,380.5
Jul-29	1.8	9.390	0	0	0	0	0	0	1	0	0	0	0	3,733.0
Aug-29	1.4	9.678	0	0	0	0	0	0	0	1	0	0	0	4,073.3
Sep-29	3.7	9.395	0	0	0	0	0	0	0	0	1	0	0	3,808.2
Oct-29	23.1	9.263	0	0	0	0	0	0	0	0	0	1	0	3,492.3
Nov-29	117.7	9.599	0	0	0	0	0	0	0	0	0	0	1	3,125.1
Dec-29	264.7	10.145	0	0	0	0	0	0	0	0	0	0	0	3,048.1
Jan-30	253.5	10.941	1	0	0	0	0	0	0	0	0	0	0	3,290.2
Feb-30	213.2	10.557	0	1	0	0	0	0	0	0	0	0	0	2,983.5
Mar-30	173.5	9.580	0	0	1	0	0	0	0	0	0	0	0	3,357.5
Apr-30	96.5	8.952	0	0	0	1	0	0	0	0	0	0	0	3,391.6
May-30	46.1	8.683	0	0	0	0	1	0	0	0	0	0	0	3,494.1
Jun-30	8.9	8.978	0	0	0	0	0	1	0	0	0	0	0	3,328.7
Jul-30	1.8	9.547	0	0	0	0	0	0	1	0	0	0	0	3,683.2
Aug-30	1.4	9.675	0	0	0	0	0	0	0	1	0	0	0	4,025.2
Sep-30	3.7	9.572	0	0	0	0	0	0	0	0	1	0	0	3,760.2
Oct-30	22.9	9.327	0	0	0	0	0	0	0	0	0	1	0	3,444.6
Nov-30	117.0	9.447	0	0	0	0	0	0	0	0	0	0	1	3,078.4
Dec-30	263.3	10.292	0	0	0	0	0	0	0	0	0	0	0	2,999.3
Jan-31	252.1	11.078	1	0	0	0	0	0	0	0	0	0	0	3,241.4
Feb-31	212.1	10.758	0	1	0	0	0	0	0	0	0	0	0	2,933.4
Mar-31	172.6	10.278	0	0	1	0	0	0	0	0	0	0	0	3,304.3
Apr-31	96.0	9.659	0	0	0	1	0	0	0	0	0	0	0	3,338.0
May-31	45.9	9.326	0	0	0	0	1	0	0	0	0	0	0	3,439.8
Jun-31	8.8	9.468	0	0	0	0	0	1	0	0	0	0	0	3,274.1
Jul-31	1.8	9.926	0	0	0	0	0	0	1	0	0	0	0	3,627.8
Aug-31	1.4	9.981	0	0	0	0	0	0	0	1	0	0	0	3,969.1
Sep-31	3.7	9.869	0	0	0	0	0	0	0	0	1	0	0	3,703.2
Oct-31	22.8	9.870	0	0	0	0	0	0	0	0	0	1	0	3,385.9
Nov-31	116.4	10.246	0	0	0	0	0	0	0	0	0	0	1	3,018.0
Dec-31	261.8	10.739	0	0	0	0	0	0	0	0	0	0	0	2,940.5

Base Forecast of Noncore Industrial Gas Demand (2026-2040)

Month	HDD	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-32	250.7	11.463	1	0	0	0	0	0	0	0	0	0	0	3,183.9
Feb-32	210.9	11.091	0	1	0	0	0	0	0	0	0	0	0	2,876.4
Mar-32	171.6	10.537	0	0	1	0	0	0	0	0	0	0	0	3,248.3
Apr-32	95.5	10.088	0	0	0	1	0	0	0	0	0	0	0	3,282.1
May-32	45.6	9.883	0	0	0	0	1	0	0	0	0	0	0	3,383.3
Jun-32	8.8	10.032	0	0	0	0	0	1	0	0	0	0	0	3,217.8
Jul-32	1.8	10.208	0	0	0	0	0	0	1	0	0	0	0	3,573.1
Aug-32	1.4	10.231	0	0	0	0	0	0	0	1	0	0	0	3,914.7
Sep-32	3.7	10.061	0	0	0	0	0	0	0	0	1	0	0	3,649.5
Oct-32	22.7	10.048	0	0	0	0	0	0	0	0	0	1	0	3,331.5
Nov-32	115.8	10.568	0	0	0	0	0	0	0	0	0	0	1	2,962.2
Dec-32	260.4	11.012	0	0	0	0	0	0	0	0	0	0	0	2,884.2
Jan-33	249.4	11.526	1	0	0	0	0	0	0	0	0	0	0	3,127.8
Feb-33	209.7	11.105	0	1	0	0	0	0	0	0	0	0	0	2,818.6
Mar-33	170.6	10.746	0	0	1	0	0	0	0	0	0	0	0	3,187.9
Apr-33	94.9	10.318	0	0	0	1	0	0	0	0	0	0	0	3,220.3
May-33	45.4	10.138	0	0	0	0	1	0	0	0	0	0	0	3,319.1
Jun-33	8.7	10.343	0	0	0	0	0	1	0	0	0	0	0	3,151.0
Jul-33	1.8	10.553	0	0	0	0	0	0	1	0	0	0	0	3,504.2
Aug-33	1.4	10.614	0	0	0	0	0	0	0	1	0	0	0	3,843.7
Sep-33	3.7	10.378	0	0	0	0	0	0	0	0	1	0	0	3,577.4
Oct-33	22.5	10.367	0	0	0	0	0	0	0	0	0	1	0	3,257.8
Nov-33	115.1	10.804	0	0	0	0	0	0	0	0	0	0	1	2,887.6
Dec-33	259.0	11.129	0	0	0	0	0	0	0	0	0	0	0	2,808.7
Jan-34	248.0	11.656	1	0	0	0	0	0	0	0	0	0	0	3,052.4
Feb-34	208.5	11.313	0	1	0	0	0	0	0	0	0	0	0	2,741.7
Mar-34	169.7	10.896	0	0	1	0	0	0	0	0	0	0	0	3,110.8
Apr-34	94.4	10.517	0	0	0	1	0	0	0	0	0	0	0	3,143.7
May-34	45.1	10.317	0	0	0	0	1	0	0	0	0	0	0	3,242.3
Jun-34	8.7	10.525	0	0	0	0	0	1	0	0	0	0	0	3,073.8
Jul-34	1.8	10.720	0	0	0	0	0	0	1	0	0	0	0	3,427.0
Aug-34	1.4	10.763	0	0	0	0	0	0	0	1	0	0	0	3,766.8
Sep-34	3.6	10.546	0	0	0	0	0	0	0	0	1	0	0	3,501.0
Oct-34	22.4	10.563	0	0	0	0	0	0	0	0	0	1	0	3,181.0
Nov-34	114.5	11.012	0	0	0	0	0	0	0	0	0	0	1	2,810.8
Dec-34	257.5	11.168	0	0	0	0	0	0	0	0	0	0	0	2,732.7

Base Forecast of Noncore Industrial Gas Demand (2026-2040)

Month	HDD	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-35	246.6	11.832	1	0	0	0	0	0	0	0	0	0	0	2,978.7
Feb-35	207.4	11.473	0	1	0	0	0	0	0	0	0	0	0	2,669.8
Mar-35	168.7	11.285	0	0	1	0	0	0	0	0	0	0	0	3,040.1
Apr-35	93.9	10.755	0	0	0	1	0	0	0	0	0	0	0	3,076.5
May-35	44.9	10.586	0	0	0	0	1	0	0	0	0	0	0	3,176.6
Jun-35	8.6	10.768	0	0	0	0	0	1	0	0	0	0	0	3,009.9
Jul-35	1.8	10.963	0	0	0	0	0	0	1	0	0	0	0	3,364.7
Aug-35	1.4	11.025	0	0	0	0	0	0	0	1	0	0	0	3,706.1
Sep-35	3.6	10.879	0	0	0	0	0	0	0	0	1	0	0	3,442.0
Oct-35	22.3	10.867	0	0	0	0	0	0	0	0	0	1	0	3,124.0
Nov-35	113.8	11.109	0	0	0	0	0	0	0	0	0	0	1	2,756.9
Dec-35	256.1	11.352	0	0	0	0	0	0	0	0	0	0	0	2,680.0
Jan-36	245.2	11.756	1	0	0	0	0	0	0	0	0	0	0	2,931.1
Feb-36	206.2	11.485	0	1	0	0	0	0	0	0	0	0	0	2,624.6
Mar-36	167.8	10.934	0	0	1	0	0	0	0	0	0	0	0	3,000.0
Apr-36	93.3	10.688	0	0	0	1	0	0	0	0	0	0	0	3,039.5
May-36	44.6	10.497	0	0	0	0	1	0	0	0	0	0	0	3,143.7
Jun-36	8.6	10.682	0	0	0	0	0	1	0	0	0	0	0	2,981.0
Jul-36	1.7	10.850	0	0	0	0	0	0	1	0	0	0	0	3,340.6
Aug-36	1.4	10.884	0	0	0	0	0	0	0	1	0	0	0	3,686.9
Sep-36	3.6	10.812	0	0	0	0	0	0	0	0	1	0	0	3,427.1
Oct-36	22.2	10.810	0	0	0	0	0	0	0	0	0	1	0	3,114.3
Nov-36	113.2	11.153	0	0	0	0	0	0	0	0	0	0	1	2,751.7
Dec-36	254.6	11.372	0	0	0	0	0	0	0	0	0	0	0	2,680.0
Jan-37	243.8	11.840	1	0	0	0	0	0	0	0	0	0	0	2,932.9
Feb-37	205.0	11.640	0	1	0	0	0	0	0	0	0	0	0	2,628.3
Mar-37	166.8	11.024	0	0	1	0	0	0	0	0	0	0	0	3,006.4
Apr-37	92.8	10.772	0	0	0	1	0	0	0	0	0	0	0	3,046.7
May-37	44.4	10.557	0	0	0	0	1	0	0	0	0	0	0	3,151.8
Jun-37	8.5	10.758	0	0	0	0	0	1	0	0	0	0	0	2,989.9
Jul-37	1.7	10.960	0	0	0	0	0	0	1	0	0	0	0	3,348.8
Aug-37	1.4	11.028	0	0	0	0	0	0	0	1	0	0	0	3,694.4
Sep-37	3.6	10.946	0	0	0	0	0	0	0	0	1	0	0	3,434.0
Oct-37	22.0	10.954	0	0	0	0	0	0	0	0	0	1	0	3,120.7
Nov-37	112.6	11.278	0	0	0	0	0	0	0	0	0	0	1	2,757.5
Dec-37	253.2	11.582	0	0	0	0	0	0	0	0	0	0	0	2,684.4

Base Forecast of Noncore Industrial Gas Demand (2026-2040)

Month	HDD	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-38	242.4	12.036	1	0	0	0	0	0	0	0	0	0	0	2,937.9
Feb-38	203.9	11.790	0	1	0	0	0	0	0	0	0	0	0	2,634.2
Mar-38	165.9	11.400	0	0	1	0	0	0	0	0	0	0	0	3,011.8
Apr-38	92.3	11.135	0	0	0	1	0	0	0	0	0	0	0	3,052.7
May-38	44.1	10.860	0	0	0	0	1	0	0	0	0	0	0	3,158.8
Jun-38	8.5	11.084	0	0	0	0	0	1	0	0	0	0	0	2,997.3
Jul-38	1.7	11.278	0	0	0	0	0	0	1	0	0	0	0	3,356.8
Aug-38	1.3	11.336	0	0	0	0	0	0	0	1	0	0	0	3,702.9
Sep-38	3.6	11.192	0	0	0	0	0	0	0	0	1	0	0	3,443.3
Oct-38	21.9	11.188	0	0	0	0	0	0	0	0	0	1	0	3,129.4
Nov-38	111.9	11.489	0	0	0	0	0	0	0	0	0	0	1	2,765.6
Dec-38	251.7	11.792	0	0	0	0	0	0	0	0	0	0	0	2,691.6
Jan-39	241.0	12.299	1	0	0	0	0	0	0	0	0	0	0	2,944.0
Feb-39	202.7	11.931	0	1	0	0	0	0	0	0	0	0	0	2,640.5
Mar-39	164.9	11.540	0	0	1	0	0	0	0	0	0	0	0	3,017.4
Apr-39	91.7	11.427	0	0	0	1	0	0	0	0	0	0	0	3,057.4
May-39	43.9	11.163	0	0	0	0	1	0	0	0	0	0	0	3,163.4
Jun-39	8.4	11.313	0	0	0	0	0	1	0	0	0	0	0	3,002.3
Jul-39	1.7	11.553	0	0	0	0	0	0	1	0	0	0	0	3,361.8
Aug-39	1.3	11.634	0	0	0	0	0	0	0	1	0	0	0	3,708.1
Sep-39	3.5	11.434	0	0	0	0	0	0	0	0	1	0	0	3,449.0
Oct-39	21.8	11.417	0	0	0	0	0	0	0	0	0	1	0	3,135.8
Nov-39	111.3	11.863	0	0	0	0	0	0	0	0	0	0	1	2,771.5
Dec-39	250.3	12.105	0	0	0	0	0	0	0	0	0	0	0	2,698.0
Jan-40	239.6	12.658	1	0	0	0	0	0	0	0	0	0	0	2,950.2
Feb-40	201.5	12.433	0	1	0	0	0	0	0	0	0	0	0	2,646.2
Mar-40	164.0	11.946	0	0	1	0	0	0	0	0	0	0	0	3,023.8
Apr-40	91.2	11.662	0	0	0	1	0	0	0	0	0	0	0	3,063.4
May-40	43.6	11.412	0	0	0	0	1	0	0	0	0	0	0	3,168.0
Jun-40	8.4	11.604	0	0	0	0	0	1	0	0	0	0	0	3,005.2
Jul-40	1.7	11.834	0	0	0	0	0	0	1	0	0	0	0	3,368.2
Aug-40	1.3	11.934	0	0	0	0	0	0	0	1	0	0	0	3,717.6
Sep-40	3.5	11.769	0	0	0	0	0	0	0	0	1	0	0	3,461.6
Oct-40	21.7	11.648	0	0	0	0	0	0	0	0	0	1	0	3,147.3
Nov-40	110.6	12.052	0	0	0	0	0	0	0	0	0	0	1	2,781.3
Dec-40	248.8	12.297	0	0	0	0	0	0	0	0	0	0	0	2,705.9

Noncore Industrial Annual Post-model Adjustment (2025-2040)

Year	Base Econometric Model Output (MDth)	Vernon Migration	EE Program (MDth)	Migration: core --> noncore	Final Average Year Forecast (MDth)	Adjustment %
2025	43,180.0	0.0	0.0	0.0	43,180.0	0.0%
2026	43,989.0	8.2	0.0	182.3	44,163.1	0.4%
2027	43,340.0	16.4	0.0	182.3	43,506.0	0.4%
2028	42,497.5	24.6	0.0	182.3	42,655.3	0.4%
2029	41,465.4	32.8	0.0	182.3	41,615.0	0.4%
2030	40,836.4	41.0	0.0	182.3	40,977.7	0.3%
2031	40,175.4	49.2	0.0	182.3	40,308.5	0.3%
2032	39,507.1	57.4	0.0	182.3	39,632.0	0.3%
2033	38,704.2	65.6	0.0	182.3	38,820.9	0.3%
2034	37,784.2	73.8	0.0	182.3	37,892.7	0.3%
2035	37,025.4	82.0	0.0	182.3	37,125.7	0.3%
2036	36,720.4	90.2	0.0	182.3	36,812.5	0.3%
2037	36,795.7	98.4	0.0	182.3	36,879.6	0.2%
2038	36,882.3	106.6	0.0	182.3	36,958.0	0.2%
2039	36,949.1	114.8	0.0	182.3	37,016.6	0.2%
2040	37,038.8	123.0	0.0	182.3	37,098.1	0.2%

Noncore Industrial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-26	3,533.1	0.40%	3,547.1
Feb-26	3,248.4	0.40%	3,261.3
Mar-26	3,625.2	0.40%	3,639.6
Apr-26	3,661.0	0.40%	3,675.5
May-26	3,767.5	0.40%	3,782.4
Jun-26	3,608.0	0.40%	3,622.3
Jul-26	3,955.8	0.40%	3,971.5
Aug-26	4,289.5	0.40%	4,306.5
Sep-26	4,017.4	0.40%	4,033.3
Oct-26	3,700.0	0.40%	3,714.6
Nov-26	3,331.0	0.40%	3,344.2
Dec-26	3,252.2	0.40%	3,265.0
Jan-27	3,489.5	0.38%	3,502.9
Feb-27	3,184.1	0.38%	3,196.3
Mar-27	3,560.8	0.38%	3,574.4
Apr-27	3,593.3	0.38%	3,607.1
May-27	3,698.4	0.38%	3,712.5
Jun-27	3,534.5	0.38%	3,548.1
Jul-27	3,891.6	0.38%	3,906.5
Aug-27	4,234.9	0.38%	4,251.1
Sep-27	3,972.3	0.38%	3,987.5
Oct-27	3,661.1	0.38%	3,675.1
Nov-27	3,298.7	0.38%	3,311.4
Dec-27	3,220.7	0.38%	3,233.0
Jan-28	3,459.0	0.37%	3,471.8
Feb-28	3,146.8	0.37%	3,158.5
Mar-28	3,515.7	0.37%	3,528.7
Apr-28	3,543.6	0.37%	3,556.7
May-28	3,643.1	0.37%	3,656.6
Jun-28	3,471.7	0.37%	3,484.6
Jul-28	3,819.7	0.37%	3,833.9
Aug-28	4,152.9	0.37%	4,168.3
Sep-28	3,881.6	0.37%	3,896.0
Oct-28	3,561.8	0.37%	3,575.0
Nov-28	3,191.7	0.37%	3,203.6
Dec-28	3,110.0	0.37%	3,121.6
Jan-29	3,353.8	0.36%	3,365.9
Feb-29	3,046.9	0.36%	3,057.9
Mar-29	3,414.5	0.36%	3,426.8
Apr-29	3,443.1	0.36%	3,455.5
May-29	3,546.5	0.36%	3,559.3
Jun-29	3,380.5	0.36%	3,392.6
Jul-29	3,733.0	0.36%	3,746.5
Aug-29	4,073.3	0.36%	4,088.0
Sep-29	3,808.2	0.36%	3,821.9
Oct-29	3,492.3	0.36%	3,504.9
Nov-29	3,125.1	0.36%	3,136.4
Dec-29	3,048.1	0.36%	3,059.1

Noncore Industrial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdth)	Average Year Adjustment %	Final Average Year Forecast (Mdth)
Jan-30	3,290.2	0.35%	3,301.5
Feb-30	2,983.5	0.35%	2,993.8
Mar-30	3,357.5	0.35%	3,369.1
Apr-30	3,391.6	0.35%	3,403.4
May-30	3,494.1	0.35%	3,506.2
Jun-30	3,328.7	0.35%	3,340.2
Jul-30	3,683.2	0.35%	3,695.9
Aug-30	4,025.2	0.35%	4,039.1
Sep-30	3,760.2	0.35%	3,773.2
Oct-30	3,444.6	0.35%	3,456.5
Nov-30	3,078.4	0.35%	3,089.0
Dec-30	2,999.3	0.35%	3,009.7
Jan-31	3,241.4	0.33%	3,252.1
Feb-31	2,933.4	0.33%	2,943.1
Mar-31	3,304.3	0.33%	3,315.2
Apr-31	3,338.0	0.33%	3,349.1
May-31	3,439.8	0.33%	3,451.2
Jun-31	3,274.1	0.33%	3,285.0
Jul-31	3,627.8	0.33%	3,639.9
Aug-31	3,969.1	0.33%	3,982.2
Sep-31	3,703.2	0.33%	3,715.4
Oct-31	3,385.9	0.33%	3,397.1
Nov-31	3,018.0	0.33%	3,028.0
Dec-31	2,940.5	0.33%	2,950.3
Jan-32	3,183.9	0.32%	3,194.0
Feb-32	2,876.4	0.32%	2,885.5
Mar-32	3,248.3	0.32%	3,258.5
Apr-32	3,282.1	0.32%	3,292.5
May-32	3,383.3	0.32%	3,394.0
Jun-32	3,217.8	0.32%	3,228.0
Jul-32	3,573.1	0.32%	3,584.4
Aug-32	3,914.7	0.32%	3,927.0
Sep-32	3,649.5	0.32%	3,661.1
Oct-32	3,331.5	0.32%	3,342.1
Nov-32	2,962.2	0.32%	2,971.6
Dec-32	2,884.2	0.32%	2,893.3
Jan-33	3,127.8	0.30%	3,137.2
Feb-33	2,818.6	0.30%	2,827.1
Mar-33	3,187.9	0.30%	3,197.5
Apr-33	3,220.3	0.30%	3,230.0
May-33	3,319.1	0.30%	3,329.1
Jun-33	3,151.0	0.30%	3,160.5
Jul-33	3,504.2	0.30%	3,514.7
Aug-33	3,843.7	0.30%	3,855.3
Sep-33	3,577.4	0.30%	3,588.2
Oct-33	3,257.8	0.30%	3,267.6
Nov-33	2,887.6	0.30%	2,896.3
Dec-33	2,808.7	0.30%	2,817.2

Noncore Industrial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdt)	Average Year Adjustment %	Final Average Year Forecast (Mdt)
Jan-34	3,052.4	0.29%	3,061.2
Feb-34	2,741.7	0.29%	2,749.5
Mar-34	3,110.8	0.29%	3,119.7
Apr-34	3,143.7	0.29%	3,152.7
May-34	3,242.3	0.29%	3,251.6
Jun-34	3,073.8	0.29%	3,082.6
Jul-34	3,427.0	0.29%	3,436.9
Aug-34	3,766.8	0.29%	3,777.6
Sep-34	3,501.0	0.29%	3,511.1
Oct-34	3,181.0	0.29%	3,190.2
Nov-34	2,810.8	0.29%	2,818.9
Dec-34	2,732.7	0.29%	2,740.6
Jan-35	2,978.7	0.27%	2,986.8
Feb-35	2,669.8	0.27%	2,677.1
Mar-35	3,040.1	0.27%	3,048.3
Apr-35	3,076.5	0.27%	3,084.8
May-35	3,176.6	0.27%	3,185.2
Jun-35	3,009.9	0.27%	3,018.1
Jul-35	3,364.7	0.27%	3,373.9
Aug-35	3,706.1	0.27%	3,716.2
Sep-35	3,442.0	0.27%	3,451.3
Oct-35	3,124.0	0.27%	3,132.4
Nov-35	2,756.9	0.27%	2,764.3
Dec-35	2,680.0	0.27%	2,687.3
Jan-36	2,931.1	0.25%	2,938.4
Feb-36	2,624.6	0.25%	2,631.1
Mar-36	3,000.0	0.25%	3,007.6
Apr-36	3,039.5	0.25%	3,047.1
May-36	3,143.7	0.25%	3,151.6
Jun-36	2,981.0	0.25%	2,988.5
Jul-36	3,340.6	0.25%	3,349.0
Aug-36	3,686.9	0.25%	3,696.1
Sep-36	3,427.1	0.25%	3,435.7
Oct-36	3,114.3	0.25%	3,122.1
Nov-36	2,751.7	0.25%	2,758.6
Dec-36	2,680.0	0.25%	2,686.7
Jan-37	2,932.9	0.23%	2,939.5
Feb-37	2,628.3	0.23%	2,634.3
Mar-37	3,006.4	0.23%	3,013.2
Apr-37	3,046.7	0.23%	3,053.6
May-37	3,151.8	0.23%	3,159.0
Jun-37	2,989.9	0.23%	2,996.7
Jul-37	3,348.8	0.23%	3,356.4
Aug-37	3,694.4	0.23%	3,702.8
Sep-37	3,434.0	0.23%	3,441.9
Oct-37	3,120.7	0.23%	3,127.8
Nov-37	2,757.5	0.23%	2,763.8
Dec-37	2,684.4	0.23%	2,690.6

Noncore Industrial Monthly Post-model Adjustment (2026-2040)

Month	Base Econometric Model Output (Mdt)	Average Year Adjustment %	Final Average Year Forecast (Mdt)
Jan-38	2,937.9	0.21%	2,943.9
Feb-38	2,634.2	0.21%	2,639.7
Mar-38	3,011.8	0.21%	3,017.9
Apr-38	3,052.7	0.21%	3,059.0
May-38	3,158.8	0.21%	3,165.3
Jun-38	2,997.3	0.21%	3,003.5
Jul-38	3,356.8	0.21%	3,363.7
Aug-38	3,702.9	0.21%	3,710.5
Sep-38	3,443.3	0.21%	3,450.4
Oct-38	3,129.4	0.21%	3,135.9
Nov-38	2,765.6	0.21%	2,771.2
Dec-38	2,691.6	0.21%	2,697.1
Jan-39	2,944.0	0.18%	2,949.4
Feb-39	2,640.5	0.18%	2,645.3
Mar-39	3,017.4	0.18%	3,022.9
Apr-39	3,057.4	0.18%	3,063.0
May-39	3,163.4	0.18%	3,169.2
Jun-39	3,002.3	0.18%	3,007.8
Jul-39	3,361.8	0.18%	3,368.0
Aug-39	3,708.1	0.18%	3,714.8
Sep-39	3,449.0	0.18%	3,455.3
Oct-39	3,135.8	0.18%	3,141.5
Nov-39	2,771.5	0.18%	2,776.5
Dec-39	2,698.0	0.18%	2,702.9
Jan-40	2,950.2	0.16%	2,954.9
Feb-40	2,646.2	0.16%	2,650.4
Mar-40	3,023.8	0.16%	3,028.7
Apr-40	3,063.4	0.16%	3,068.3
May-40	3,168.0	0.16%	3,173.1
Jun-40	3,005.2	0.16%	3,010.0
Jul-40	3,368.2	0.16%	3,373.5
Aug-40	3,717.6	0.16%	3,723.6
Sep-40	3,461.6	0.16%	3,467.2
Oct-40	3,147.3	0.16%	3,152.4
Nov-40	2,781.3	0.16%	2,785.8
Dec-40	2,705.9	0.16%	2,710.2

NATURAL GAS VEHICLES

Table of Contents	
Workpaper NGV-1	SoCalGas G-NGV Forecast of Volumes

Table 1 - SoCalGas Historic Volumes ¹				
Years	Compressed		Uncompressed	
	Volume	Annual Growth	Volume	Annual Growth
	MM CCF	%	MM CCF	%
2021	5.82	-	149.2	-
2022	9.24	58.67%	170.7	14.39%
2023	11.63	25.96%	185.4	8.60%
2024	11.70	0.57%	194.2	4.76%

1. Title - SoCalGas G-NGV Forecast of Volume and Meter Count Growth

2. Data

Table 1 - SoCalGas Historic Volume and Meter Count Growth Rates ¹		
Description	Uncompressed	
	Volume	Meter Count
2-Year Average Growth Rate	6.68%	-
3-Year Average Growth Rate	-	1.88%
Annual Growth Rate Change (2026-2035)	-1.57%	-

Table 2 - SoCalGas Compressed Volumes - Utility Use ²			
Year	CNG Fleet Vehicles		Volume
	Number	Growth Rate	MMCCF
2024	1,605	-	224.1
2025	1,629	1.5%	227.4
Annual Growth Rate (2026-2040)		0.0%	-

Table 3 - SoCalGas Compressed Volumes - Public Use ³		
Description	Units	Value
Estimated Incremental Class 8 Heavy-Duty Trucks	trucks per year	50
Estimated Class 8 Heavy-Duty Truck Fuel Use	gallons per year	9,595
Incremental Volume at SoCalGas Stations	gallons per year	479,748
	therms per year	599,685
	M decatherms per year	60.0
Estimated Truck Life	years	7.0
Estimated Fueling Period per Truck	years	1.6

Table 4 - Incremental LCFS Fuel Card Program Volumes (M decatherms)																
Year	2025 Solicitation	2026 Solicitation	2027 Solicitation	2028 Solicitation	2029 Solicitation	2030 Solicitation	2031 Solicitation	2032 Solicitation	2033 Solicitation	2034 Solicitation	2035 Solicitation	2036 Solicitation	2037 Solicitation	2038 Solicitation	2039 Solicitation	Total
2025	18.0															18.0
2026	60.0	18.0														78.0
2027	18.0	60.0	18.0													95.9
2028	30.0	18.0	60.0	18.0												125.9
2029	30.0	30.0	18.0	60.0	18.0											155.9
2030	30.0	30.0	30.0	18.0	60.0	18.0										185.9
2031	30.0	30.0	30.0	30.0	18.0	60.0	18.0									215.9
2032	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0								215.9
2033	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0							215.9
2034	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0						215.9
2035	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0					215.9
2036	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0				215.9
2037	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0			215.9
2038	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0		215.9
2039	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0	18.0	60.0	18.0	215.9

3. Footnotes

¹ 2-year average growth used for uncompressed volumes since 2022 annual growth was an outlier (significantly higher) compared to other years as the market recovered from the prior COVID-19 downturn. Future annual growth rate change used to account for expected loss of urban transit bus volumes due to CARB ICT regulations (100% required in 2040).

² CNG fleet vehicle data provided by Fleet Services. No CNG fleet vehicle forecast beyond 2025 is currently available.

³ Incremental compressed volumes are based on continued implementation of the LCFS Fuel Card Program as approved under Advice Letter 6024 and executed in 2024. Further, it assumed RNG related LCFS revenue will cease in 2040 based on the latest changes to the CARB LCFS regulations.

1. Title - SoCalGas G-NGV Forecast of Meter Count

2. Data

Table 1 - SoCalGas Historic Meter Counts ¹								
Years	Uncompressed				Compressed			
	P-1	P-2A	Total	Annual	Public Access	Fleet	P-1	P-2A
2021	211	122	333	-	16	11	19	8
2022	204	128	332	-0.30%	16	11	15	12
2023	210	131	341	2.71%	16	11	15	12
2024	212	140	352	3.23%	16	11	14	13

Table 2 - SoCalGas Forecasted Meter Counts								
Years	Uncompressed			Compressed				
	P-1	P-2A	Total	Public Access	Fleet	Total	P-1	P-2
2025	215	142	357	16	11	27	14	13
2026	219	144	363	15	11	26	13	13
2027	223	146	369	15	11	26	13	13
2028	227	148	375	15	11	26	13	13
2029	231	150	381	15	11	26	13	13
2030	235	152	387	15	11	26	13	13
2031	239	154	393	15	11	26	13	13
2032	243	156	399	15	11	26	13	13
2033	247	158	405	15	11	26	13	13
2034	251	160	411	15	11	26	13	13
2035	255	163	418	15	11	26	13	13
2036	259	166	425	15	11	26	13	13
2037	263	169	432	15	11	26	13	13
2038	267	172	439	15	11	26	13	13
2039	272	175	447	15	11	26	13	13
2040	277	178	455	15	11	26	13	13
2041	282	181	463	15	11	26	13	13
2042	287	184	471	15	11	26	13	13
2043	292	187	479	15	11	26	13	13
2044	297	190	487	15	11	26	13	13
2045	302	193	495	15	11	26	13	13

3. Footnotes

¹ Historic data provided by utility public access CNG stations point of sale and dispensing database and utility G-NGV billing data.

ENERGY EFFICIENCY

	Reported 2006 Therms	Reported 2007 Therms	Reported 2008 Therms	Reported 2009 Therms	Reported 2010 Therms	Reported 2011 Therms	Reported 2012 Therms	Reported 2013	Reported 2014	Reported 2015	Reported 2016	Reported 2017 NET	Reported 2018 NET	Reported 2019 NET	Reported 2020 NET	Reported 2021 NET	Reported 2022 NET	Reported 2023 NET	Reported 2024 NET	Reported 2025 NET	Forecast 2026	Forecast 2027	Forecast 2028	Forecast 2029	Forecast 2030	Forecast 2031	Forecast 2032	Forecast 2033	Forecast 2034	Forecast 2035	Forecast 2036	
SoCalGas EE Program TOTAL	11,062,485	29,194,539	27,113,766	24,991,452	27,413,193	37,233,416	32,077,678	25,817,960	28,856,009	21,620,562	30,155,462	33,326,672	48,732,219	54,991,678	46,372,812	43,488,671	44,614,747	46,033,312	52,259,590	52,462,878												
PUC Goal	14,790,000	19,300,000	23,300,000	27,200,000	28,500,000	30,900,000	32,600,000	24,120,000	23,100,000	21,300,000	29,100,000	30,300,000	46,000,000	48,000,000	35,400,000	37,400,000	38,000,000	43,000,000	36,400,000	38,100,000	23,020,000	23,730,000	22,920,000	22,360,000	20,400,000	20,120,000	20,130,000	20,080,000	20,000,000	20,080,000	20,010,000	
Difference	(3,637,515)	9,894,539	3,813,766	(2,608,548)	(586,807)	7,233,416	77,678	1,697,960	5,666,009	(3,679,438)	1,055,462	3,020,672	2,732,219	6,991,678	10,972,812	6,088,671	6,614,747	3,033,312	15,859,590	14,362,878												
SoCalGas	2006 therms	2007 therms	2008 therms	2009 therms	2010 therms	2011 therms	2012 therms	2013 therms	2014 therms	2015 therms	2016 therms	2017 therms	2018 therms	2019 therms	2020 therms	2021 therms	2022 therms	2023 therms	2024 therms	2025 therms												
Core Residential	2,185,863	3,380,334	2,284,755	5,334,568	9,072,269	12,594,473	8,445,190	5,173,595	7,311,223	7,337,522	14,912,118	20,833,175	25,227,014	41,194,306	52,770,342	33,073,453	29,916,817	31,928,999	30,128,150	34,563,748												
Core Commercial	3,059,253	10,326,400	10,091,230	7,423,112	7,457,290	10,030,218	9,608,803	2,360,370	4,953,690	6,286,602	11,216,376	10,448,422	11,831,578	12,705,490	9,523,631	7,692,250	13,638,054	12,995,967	19,072,342	14,807,431												
Core Industrial	1,097,965	3,302,628	3,069,837	2,258,173	2,269,570	3,051,276	2,923,078	2,803,233	2,457,163	1,928,620	1,236,543	611,937	456,371	487,431	346,005	669,019	245,732	109,813	631,346	642,561												
NonCore Commercial	915,069	1,502,486	1,440,058	1,059,337	1,064,214	1,431,391	1,391,252	253,874	2,188,951	1,878,668	335,445	250,945	56,422	363,345	65,288	-	-	-	-	-												
NonCore Industrial retail	1,201,827	3,505,800	3,360,229	2,471,785	2,483,166	3,339,913	3,199,588	4,184,881	6,592,493	2,495,191	1,562,769	1,013,868	1,063,600	130,374	480,317	1,807,371	914,334	993,513	2,147,752	-												
NonCore Industrial refinery	2,452,236	7,154,091	6,857,607	5,044,459	5,057,894	6,816,146	6,529,736	7,982,006	6,172,266	1,953,739	892,312	122,423	67,235	120,752	3,207,229	256,877	-	-	1,250,000	2,429,139												
Total	11,062,485	29,194,539	27,113,766	24,991,452	27,413,193	37,233,416	32,077,678	25,817,960	28,856,009	21,620,562	30,155,462	33,326,672	48,732,219	54,991,678	46,372,812	43,488,671	44,614,747	46,033,312	52,259,590	52,462,878												
Proportionally scale it down or up to match PUC Goals for 2010 - 2014																																
ANNUAL NET SAVINGS	2006 MWh	2007 MWh	2008 MWh	2009 MWh	2010 MWh	2011 MWh	2012 MWh	2013 MWh	2014 MWh	2015 MWh	2016 MWh	2017 MWh	2018 MWh	2019 MWh	2020 MWh	2021 MWh	2022 MWh	2023 MWh	2024 MWh	2025 MWh	2026 MWh	2027 MWh	2028 MWh	2029 MWh	2030 MWh	2031 MWh	2032 MWh	2033 MWh	2034 MWh	2035 MWh	2036 MWh	
Core Residential	219	530	229	633	927	1,012	842	764	592	704	1,491	2,063	3,503	4,118	3,277	3,307	3,362	3,193	3,016	3,458	1,517	1,064	1,511	1,474	1,345	1,326	1,327	1,324	1,318	1,324	1,318	
Core Commercial	361	1,053	1,009	742	762	808	959	222	329	629	1,122	1,045	1,183	1,271	952	768	1,364	1,300	1,807	1,481	650	670	647	631	576	568	568	567	564	567	565	
Core Industrial	110	320	307	228	232	246	292	262	197	193	124	61	46	49	36	67	25	11	63	64	28	29	28	27	25	25	25	24	25	24	25	
NonCore Commercial	52	150	144	106	109	115	137	27	174	188	34	29	6	36	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NonCore Industrial retail	120	351	336	247	254	269	319	391	530	250	156	101	109	13	48	181	91	99	215	0	-	-	-	-	-	-	-	-	-	-	-	
NonCore Industrial refinery	245	715	686	504	518	649	651	768	495	199	89	12	7	12	321	26	-	125	243	107	110	106	104	94	93	93	93	93	93	93	93	
Total	1,106	2,919	2,711	2,489	2,800	3,000	3,200	2,412	2,319	2,162	3,016	3,332	4,873	5,499	4,837	4,349	4,461	4,603	5,226	5,246	2,302	2,373	2,292	2,236	2,040	2,012	2,013	2,008	2,000	2,008	2,001	
Cumulative Savings MWh							2012 MWh	2013 MWh	2014 MWh	2015 MWh	2016 MWh	2017 MWh	2018 MWh	2019 MWh	2020 MWh	2021 MWh	2022 MWh	2023 MWh	2024 MWh	2025 MWh	2026 MWh	2027 MWh	2028 MWh	2029 MWh	2030 MWh	2031 MWh	2032 MWh	2033 MWh	2034 MWh	2035 MWh	2036 MWh	
Core Residential							1,517	3,082	4,593	6,067	7,411	8,738	10,055	11,388	12,707	14,031	15,350															
Core Commercial							650	1,319	1,966	2,598	3,173	3,741	4,309	4,876	5,441	6,007	6,572															
Core Industrial							28	57	85	113	138	162	187	212	236	261	285															
NonCore Commercial							-	-	-	-	-	-	-	-	-	-	-															
NonCore Industrial retail							107	216	323	426	521	614	707	800	893	985	1,078															
NonCore Industrial refinery							2,302	4,675	6,967	9,203	11,243	13,255	15,268	17,276	19,276	21,284	23,285															
Total Load Impacts																																
Cumulative Savings MWhC							2012 MWhC	2013 MWhC	2014 MWhC	2015 MWhC	2016 MWhC	2017 MWhC	2018 MWhC	2019 MWhC	2020 MWhC	2021 MWhC	2022 MWhC	2023 MWhC	2024 MWhC	2025 MWhC	2026 MWhC	2027 MWhC	2028 MWhC	2029 MWhC	2030 MWhC	2031 MWhC	2032 MWhC	2033 MWhC	2034 MWhC	2035 MWhC	2036 MWhC	
Core Residential							1,479	3,004	4,476	5,913	7,224	8,517	9,810	11,100	12,385	13,675	14,961															
Core Commercial							633	1,296	1,917	2,532	3,093	3,646	4,200	4,753	5,303	5,855	6,408															
Core Industrial							27	56	83	110	134	158	182	206	230	254	278															
NonCore Commercial							-	-	-	-	-	-	-	-	-	-	-															
NonCore Industrial retail							104	211	314	415	507	598	689	780	870	961	1,051															
NonCore Industrial refinery							2,244	4,557	6,791	8,970	10,959	12,919	14,881	16,839	18,745	20,696																
Total Cumulative Load																																

Forecast Year =====>

Life cycle is 15 years.

1 2 3 4 5 6 7 8 9 10 11

	Reported 2006 Therms	Reported 2007 Therms	Reported 2008 Therms	Reported 2009 Therms	Reported 2010 Therms	Reported 2011 Therms	Reported 2012 Therms	Reported 2013 Therms	Reported 2014 Therms	Reported 2015 Therms	Reported 2016 Therms	Reported 2017 NET	Reported 2018 NET	Reported 2019 NET	Reported 2020 NET	Reported 2021 NET	Reported 2022 NET	Reported 2023 NET	Reported 2024 NET	Reported 2025 NET	Forecast 2026	Forecast 2027	Forecast 2028	Forecast 2029	Forecast 2030	Forecast 2031	Forecast 2032	Forecast 2033	Forecast 2034	Forecast 2035	Forecast 2036
SoCalGas EE Program TOTAL	11,062,488	29,194,539	27,113,766	24,991,452	27,413,193	37,233,416	32,077,678	25,817,960	28,856,000	21,620,562	10,465,969	8,891,583	19,380,337	22,040,272	28,000,725	24,088,915	25,969,138	23,909,002	29,280,313	25,095,305											
PUC Goal	14,760,000	19,300,000	23,300,000	27,200,000	28,000,000	30,000,000	32,800,000	24,120,000	23,190,000	23,300,000	17,300,000	16,100,000	20,000,000	22,000,000	14,400,000	15,400,000	19,600,000	21,000,000	10,800,000	13,100,000	13,760,000	13,880,000	13,960,000	13,890,000	12,060,000	12,050,000	12,210,000	12,310,000	12,430,000	12,650,000	12,820,000
Difference	(3,697,512)	(9,894,539)	(3,813,766)	(2,608,548)	(586,807)	7,233,416	77,678	1,697,960	5,666,000	(3,679,438)	(6,834,431)	(9,248,417)	(10,618,663)	40,272	13,600,725	8,688,915	6,369,138	2,909,002	18,480,313	11,995,305											
2006 therms	2007 therms	2008 therms	2009 therms	2010 therms	2011 therms	2012 therms	2013 therms	2014 therms	2015 therms	2016 therms	2017 therms	2018 therms	2019 therms	2020 therms	2021 therms	2022 therms	2023 therms	2024 therms	2025 therms												
Core Residential	2,185,663	3,300,334	2,994,755	6,334,588	9,072,269	12,584,473	8,445,190	8,173,155	7,371,223	7,037,322	3,980,507	4,298,916	13,457,604	16,576,010	19,623,972	17,811,931	14,794,910	17,080,962	14,038,714	10,477,603											
Core Commercial	3,609,253	10,528,400	10,091,230	7,423,112	7,457,290	10,030,218	9,608,803	2,380,370	4,093,890	6,286,602	2,458,094	2,515,592	4,249,106	4,362,380	5,298,914	3,544,017	9,614,162	5,725,614	10,614,502	5,510,006											
Core Industrial	1,097,965	3,302,628	3,095,637	2,258,173	2,208,570	2,923,078	2,803,223	2,457,183	1,958,620	1,236,543	611,937	456,371	487,421	346,005	669,019	245,732	109,613	631,346	642,561												
NonCore Commercial	515,069	1,592,498	1,440,088	1,059,337	1,084,214	1,431,361	1,371,252	293,874	2,189,861	1,878,668	335,445	290,845	56,422	383,325	65,286	-	-	-	-												
NonCore Industrial retail	1,201,827	3,505,800	3,360,229	2,471,785	2,483,186	3,339,913	3,199,588	4,184,881	6,592,493	2,495,191	1,562,769	1,013,868	1,093,600	130,374	460,317	1,807,371	914,334	993,513	2,147,752	-											
NonCore Industrial refinery	2,452,738	7,154,991	6,857,607	5,041,459	5,057,884	6,816,146	6,529,768	7,982,006	6,172,269	1,993,759	892,717	122,423	67,235	120,762	3,207,229	266,577	-	1,250,000	2,428,139												
Total	11,062,488	29,194,539	27,113,766	24,991,452	27,413,193	37,233,416	32,077,678	25,817,960	28,856,000	21,620,562	10,465,969	8,891,583	19,380,337	22,040,272	28,000,725	24,088,915	25,969,138	23,909,002	29,280,313	25,095,305											
Proportionally scale it down or up to match PUC Goals for 2010 - 2014	2006 Mwh	2007 Mwh	2008 Mwh	2009 Mwh	2010 Mwh	2011 Mwh	2012 Mwh	2013 Mwh	2014 Mwh	2015 Mwh	2016 Mwh	2017 Mwh	2018 Mwh	2019 Mwh	2020 Mwh	2021 Mwh	2022 Mwh	2023 Mwh	2024 Mwh	2025 Mwh	2026 Mwh	2027 Mwh	2028 Mwh	2029 Mwh	2030 Mwh	2031 Mwh	2032 Mwh	2033 Mwh	2034 Mwh	2035 Mwh	2036 Mwh
ANNUAL NET SAVINGS	219	330	229	633	927	1,012	842	764	592	704	398	430	1,346	1,658	1,862	1,781	1,479	1,708	1,464	1,048	905	913	918	913	793	792	803	809	817	832	843
Core Residential	361	1,053	1,009	742	782	808	969	222	329	609	249	252	425	436	530	354	961	673	1,061	551	303	305	307	305	265	265	268	271	273	278	282
Core Commercial	110	320	307	226	232	246	252	197	193	124	61	46	49	35	67	25	11	63	64	35	36	36	36	36	31	31	31	32	32	32	33
Core Industrial	52	150	144	106	109	115	137	27	174	188	34	29	6	36	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NonCore Commercial	120	351	336	247	254	269	319	391	530	250	156	101	109	13	46	181	91	99	215	-	-	-	-	-	-	-	-	-	-	-	-
NonCore Industrial retail	245	715	685	504	518	549	651	746	695	199	89	12	7	12	321	26	-	125	243	133	133	135	135	135	117	117	118	119	120	123	124
NonCore Industrial refinery																															
Total	1,106	2,919	2,711	2,459	2,800	3,000	3,200	2,412	2,319	2,162	1,047	885	1,938	2,204	2,800	2,409	2,587	2,391	2,928	2,506	1,376	1,388	1,396	1,389	1,206	1,205	1,221	1,231	1,243	1,268	1,282
Cumulative Savings Mwh							2012 Mwh	2013 Mwh	2014 Mwh	2015 Mwh	2016 Mwh	2017 Mwh	2018 Mwh	2019 Mwh	2020 Mwh	2021 Mwh	2022 Mwh	2023 Mwh	2024 Mwh	2025 Mwh	2026 Mwh	2027 Mwh	2028 Mwh	2029 Mwh	2030 Mwh	2031 Mwh	2032 Mwh	2033 Mwh	2034 Mwh	2035 Mwh	2036 Mwh
Core Residential																					905	1,817	2,735	3,649	4,442	5,234	6,037	6,846	7,664	8,495	9,338
Core Commercial																					303	608	915	1,220	1,485	1,750	2,019	2,289	2,563	2,841	3,123
Core Industrial																					35	71	107	142	173	204	235	267	299	331	364
NonCore Commercial																					-	-	-	-	-	-	-	-	-	-	-
NonCore Industrial retail																					-	-	-	-	-	-	-	-	-	-	-
NonCore Industrial refinery																					133	268	403	538	665	772	890	1,000	1,130	1,252	1,377
Total Load Impacts																					1,376	2,764	4,160	5,549	6,765	7,960	9,181	10,412	11,655	12,929	14,202
Cumulative Savings Mmcf							2012 mmcf	2013 mmcf	2014 mmcf	2015 mmcf	2016 mmcf	2017 mmcf	2018 mmcf	2019 mmcf	2020 mmcf	2021 mmcf	2022 mmcf	2023 mmcf	2024 mmcf	2025 mmcf	2026 mmcf	2027 mmcf	2028 mmcf	2029 mmcf	2030 mmcf	2031 mmcf	2032 mmcf	2033 mmcf	2034 mmcf	2035 mmcf	2036 mmcf
Core Residential																															
Core Commercial																					882	1,771	2,666	3,556	4,329	5,102	5,884	6,673	7,470	8,260	9,102
Core Industrial																					295	592	890	1,189	1,448	1,706	1,968	2,231	2,498	2,769	3,044
NonCore Commercial																					34	69	104	139	169	199	229	260	291	323	355
NonCore Industrial retail																					-	-	-	-	-	-	-	-	-	-	-
NonCore Industrial refinery																					-	-	-	-	-	-	-	-	-	-	-
Total Cumulative Load																					1,341	2,694	4,055	5,405	6,664	7,758	8,949	10,148	11,360	12,593	13,842

Forecast Year =====>

Life cycle is 15 years.

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EXCHANGE

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
2026	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2027	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2028	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2029	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2030	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2031	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2032	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2033	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2034	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2035	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2036	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2037	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2038	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2039	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3
2040	65.0	52.4	55.1	38.9	32.8	27.9	28.2	26.8	24.8	38.8	189.3	418.4	998.3

ENHANCED OIL RECOVERY-RELATED COGENERATION

Enhanced Oil Recovery (EOR)

Forecasted demand for 2024 to 2040 assumes that, for both Steaming & Cogen use, EOR is going to remain volatile but will gradually decrease. Forecasted break out by service levels (Medium Pressure Distribution (MPD), High Pressure Distribution (HPD), and Transmission Level Service (TLS) was determined by using the service level distributions from 2023 actuals.

Year	MDTH/Year				MDTH/Year				MDTH/Year			
	MPD	Steaming HPD	TLS	Total	MPD	Cogen HPD	TLS	Total	MPD	HPD	Total TLS	Total
2024 Actual	13	8,393	1,251	9,657	0	317	243	560	13	8,710	1,494	10,217
2025 Actual	8	5,424	808	6,241	0	75	58	133	8	5,500	866	6,374
2026 forecast	8	5,070	756	5,834	0	52	40	91	8	5,122	795	5,925
2027 forecast	7	4,739	706	5,452	0	35	27	62	7	4,774	733	5,515
2028 forecast	7	4,429	660	5,096	0	24	19	43	7	4,453	679	5,139
2029 forecast	6	4,140	617	4,763	0	17	13	29	6	4,156	630	4,793
2030 forecast	6	3,869	577	4,452	0	11	9	20	6	3,881	585	4,472
2031 forecast	6	3,617	539	4,161	0	8	6	14	6	3,624	545	4,175
2032 forecast	5	3,380	504	3,889	0	5	4	10	5	3,386	508	3,899
2033 forecast	5	3,159	471	3,635	0	4	3	7	5	3,163	474	3,642
2034 forecast	5	2,953	440	3,398	0	3	2	4	5	2,956	442	3,402
2035 forecast	4	2,760	411	3,176	0	2	1	3	4	2,762	413	3,179
2036 forecast	4	2,580	384	2,968	0	1	1	2	4	2,581	385	2,970
2037 forecast	4	2,411	359	2,774	0	1	1	1	4	2,412	360	2,776
2038 forecast	3	2,254	336	2,593	0	1	0	1	3	2,254	336	2,594
2039 forecast	3	2,106	314	2,424	0	0	0	1	3	2,107	314	2,424
2040 forecast	3	1,969	293	2,265	0	0	0	0	3	1,969	294	2,266

REFINERIES

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 2025 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:

$$\text{LN(Ref_MDth/d)} = 5.6969917 + (-0.0005224) \times \text{LN(G/P)} + 0.0915402 \times D_{2016-2021} + 0.0452913 \times D_{2022-2024} + (-0.0079688) \times D_{2025+}$$

where

G = Gas burner-tip price,

P = Propane price,

$D_{2016-2021}$ = 1 for years 2016-2021, 0 otherwise,

$D_{2022-2024}$ = 1 for years 2022-2024, 0 otherwise, and

D_{2025+} = 1 for years 2025 and later, 0 otherwise.

The parameters of this equation were estimated from monthly data for Jan-2010 through Dec-2025.

EXAMPLE OF FORECAST CALCULATIONS

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

$$\text{Ref_MDth/mo} = (\# \text{days in month}) \times \text{EXP}[\text{LN}(\text{Ref_MDth/d})].$$

For example, the calculation of total refinery gas demand for August 2028 is as follows:

$$\begin{aligned} \text{LN}[\text{Ref_MDth/d}] &= 5.6969917 + (-0.0005224) \times \text{LN}(6.994/7.7232) + 0.0915402 \times 0 \\ &+ 0.0452913 \times 0 + (-0.0079688) \times 1 \end{aligned}$$

$$\text{LN}[\text{Ref_MDth/d}] = 5.6890747$$

$$\begin{aligned} \text{Ref_MDth} &= (31 \text{ days}) \times (\text{EXP}[5.6890747]) \\ &= (31 \text{ days}) \times (295.61996 \text{ MDth/d}) \\ &= (9,164.2 \text{ MDth}) \end{aligned}$$

This total refinery gas demand was “split” between G-30 and G-50 load using the 2025 monthly proportions that the G-30 load represented relative to the total refinery load. The table below provides these proportions.

Month	2025 G-30 % of total Refinery
Jan	81.859%
Feb	84.104%
Mar	83.315%
Apr	80.357%
May	82.869%
Jun	79.928%
Jul	78.434%
Aug	79.118%
Sep	78.463%
Oct	77.182%
Nov	83.065%
Dec	80.309%

Based on the August 2028 example above, the total refinery gas demand is split into G-30 and G-50 values:

$$\begin{aligned} \text{Ref_G-30} &= (7,250.5 \text{ MDth}) = (9,164.2 \text{ MDth}) \times (79.118\%), \text{ and} \\ \text{Ref_G-50} &= (1,913.7 \text{ MDth}) = (9,164.2 \text{ MDth}) \times (20.882\%) \end{aligned}$$

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 (2025-2040)

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-25	81.86%	31	1	9,329.1	300.9	5.7069	-0.5838	5.5020	9.8650
Feb-25	84.10%	28	2	8,250.9	294.7	5.6859	-0.6728	5.1680	10.1277
Mar-25	83.32%	31	3	9,310.6	300.3	5.7049	-0.5468	5.5130	9.5255
Apr-25	80.36%	30	4	9,728.3	324.3	5.7816	-0.7247	4.4870	9.2628
May-25	82.87%	31	5	9,180.2	296.1	5.6908	-0.7162	3.9910	8.1679
Jun-25	79.93%	30	6	8,973.4	299.1	5.7008	-0.6057	4.5170	8.2774
Jul-25	78.43%	31	7	9,165.6	295.7	5.6892	-0.4220	5.1050	7.7847
Aug-25	79.12%	31	8	9,148.8	295.1	5.6874	-0.3466	5.1870	7.3358
Sep-25	78.46%	30	9	8,471.3	282.4	5.6432	-0.4524	4.7920	7.5328
Oct-25	77.18%	31	10	8,874.9	286.3	5.6570	-0.4705	4.3640	6.9854
Nov-25	83.07%	30	11	8,865.6	295.5	5.6887	-0.1103	5.9320	6.6241
Dec-25	80.31%	31	12	8,679.7	280.0	5.6348	-0.1043	6.3730	7.0730
Jan-26	81.86%	31	1	9,165.5	295.7	5.6892	-0.3693	5.7550	8.3254
Feb-26	84.10%	28	2	8,279.8	295.7	5.6894	-0.6726	4.5230	8.8620
Mar-26	83.32%	31	3	9,166.2	295.7	5.6893	-0.5121	4.8470	8.0885
Apr-26	80.36%	30	4	8,870.8	295.7	5.6893	-0.5661	4.5180	7.9579
May-26	82.87%	31	5	9,165.8	295.7	5.6892	-0.4212	4.5820	6.9813
Jun-26	79.93%	30	6	8,870.2	295.7	5.6893	-0.4506	4.6770	7.3391
Jul-26	78.43%	31	7	9,165.0	295.6	5.6892	-0.2720	5.5550	7.2907
Aug-26	79.12%	31	8	9,164.3	295.6	5.6891	-0.1165	6.1320	6.8895
Sep-26	78.46%	30	9	8,868.5	295.6	5.6891	-0.0809	5.9930	6.4978
Oct-26	77.18%	31	10	9,164.4	295.6	5.6891	-0.1471	5.8930	6.8266
Nov-26	83.07%	30	11	8,868.5	295.6	5.6891	-0.0817	6.2730	6.8073
Dec-26	80.31%	31	12	9,163.7	295.6	5.6890	0.0107	6.9340	6.8604
Jan-27	81.86%	31	1	9,164.0	295.6	5.6891	-0.0585	8.1470	8.6376
Feb-27	84.10%	28	2	8,277.7	295.6	5.6891	-0.1740	7.7260	9.1943
Mar-27	83.32%	31	3	9,165.3	295.7	5.6892	-0.3170	6.1120	8.3918
Apr-27	80.36%	30	4	8,869.9	295.7	5.6892	-0.3889	5.5960	8.2563
May-27	82.87%	31	5	9,165.3	295.7	5.6892	-0.3212	5.2530	7.2431
Jun-27	79.93%	30	6	8,869.5	295.7	5.6892	-0.2939	5.6750	7.6143
Jul-27	78.43%	31	7	9,164.7	295.6	5.6891	-0.1992	6.1980	7.5641
Aug-27	79.12%	31	8	9,164.2	295.6	5.6891	-0.1030	6.4480	7.1478
Sep-27	78.46%	30	9	8,868.7	295.6	5.6891	-0.1117	6.0290	6.7415
Oct-27	77.18%	31	10	9,164.9	295.6	5.6892	-0.2505	5.5130	7.0826
Nov-27	83.07%	30	11	8,869.4	295.6	5.6892	-0.2646	5.4210	7.0625
Dec-27	80.31%	31	12	9,164.0	295.6	5.6891	-0.0589	6.7100	7.1177
Jan-28	81.86%	31	1	9,165.1	295.6	5.6892	-0.2735	7.1000	9.3329
Feb-28	84.10%	29	2	8,573.9	295.7	5.6892	-0.2991	7.3660	9.9345
Mar-28	83.32%	31	3	9,165.2	295.7	5.6892	-0.3077	6.6650	9.0673
Apr-28	80.36%	30	4	8,870.2	295.7	5.6893	-0.4352	5.7730	8.9210
May-28	82.87%	31	5	9,165.8	295.7	5.6892	-0.4309	5.0860	7.8262
Jun-28	79.93%	30	6	8,870.0	295.7	5.6892	-0.3928	5.5550	8.2272
Jul-28	78.43%	31	7	9,165.0	295.6	5.6892	-0.2593	6.3060	8.1730
Aug-28	79.12%	31	8	9,164.2	295.6	5.6891	-0.0992	6.9940	7.7232
Sep-28	78.46%	30	9	8,868.4	295.6	5.6891	-0.0630	6.8400	7.2842
Oct-28	77.18%	31	10	9,164.4	295.6	5.6891	-0.1275	6.7370	7.6527
Nov-28	83.07%	30	11	8,868.6	295.6	5.6891	-0.0915	6.9640	7.6311
Dec-28	80.31%	31	12	9,163.7	295.6	5.6890	0.0132	7.7930	7.6907
Jan-29	81.86%	31	1	9,165.2	295.7	5.6892	-0.2962	7.5160	10.1076
Feb-29	84.10%	28	2	8,278.9	295.7	5.6893	-0.4556	6.8220	10.7592
Mar-29	83.32%	31	3	9,165.6	295.7	5.6892	-0.3968	6.6040	9.8200
Apr-29	80.36%	30	4	8,869.9	295.7	5.6892	-0.3833	6.5850	9.6615
May-29	82.87%	31	5	9,165.5	295.7	5.6892	-0.3694	5.8580	8.4759
Jun-29	79.93%	30	6	8,869.9	295.7	5.6892	-0.3879	6.0460	8.9102
Jul-29	78.43%	31	7	9,164.9	295.6	5.6892	-0.2482	6.9060	8.8515
Aug-29	79.12%	31	8	9,164.4	295.6	5.6891	-0.1429	7.2500	8.3643
Sep-29	78.46%	30	9	8,868.7	295.6	5.6891	-0.1229	6.9770	7.8889
Oct-29	77.18%	31	10	9,164.7	295.6	5.6891	-0.1979	6.8000	8.2880
Nov-29	83.07%	30	11	8,868.8	295.6	5.6891	-0.1334	7.2320	8.2646
Dec-29	80.31%	31	12	9,164.0	295.6	5.6891	-0.0578	7.8610	8.3291

Base Forecast of Refinery Gas Demand (2025-2040)

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-30	81.86%	31	1	9,165.1	295.6	5.6892	-0.2897	8.4640	11.3085
Feb-30	84.10%	28	2	8,278.7	295.7	5.6892	-0.4011	8.0600	12.0375
Mar-30	83.32%	31	3	9,165.9	295.7	5.6893	-0.4534	6.9820	10.9868
Apr-30	80.36%	30	4	8,870.6	295.7	5.6893	-0.5414	6.2900	10.8094
May-30	82.87%	31	5	9,165.9	295.7	5.6893	-0.4542	6.0210	9.4829
Jun-30	79.93%	30	6	8,870.2	295.7	5.6893	-0.4511	6.3500	9.9689
Jul-30	78.43%	31	7	9,165.4	295.7	5.6892	-0.3460	7.0060	9.9032
Aug-30	79.12%	31	8	9,165.0	295.6	5.6892	-0.2650	7.1800	9.3581
Sep-30	78.46%	30	9	8,869.1	295.6	5.6891	-0.2173	7.1030	8.8262
Oct-30	77.18%	31	10	9,165.2	295.7	5.6892	-0.3111	6.7930	9.2727
Nov-30	83.07%	30	11	8,869.4	295.6	5.6892	-0.2792	6.9940	9.2465
Dec-30	80.31%	31	12	9,164.5	295.6	5.6891	-0.1560	7.9730	9.3187
Jan-31	81.86%	31	1	9,165.4	295.7	5.6892	-0.3534	8.5650	12.1952
Feb-31	84.10%	28	2	8,278.9	295.7	5.6893	-0.4563	8.2250	12.9813
Mar-31	83.32%	31	3	9,165.8	295.7	5.6892	-0.4325	7.6880	11.8482
Apr-31	80.36%	30	4	8,870.5	295.7	5.6893	-0.5109	6.9940	11.6570
May-31	82.87%	31	5	9,165.8	295.7	5.6892	-0.4307	6.6480	10.2264
Jun-31	79.93%	30	6	8,870.3	295.7	5.6893	-0.4565	6.8100	10.7505
Jul-31	78.43%	31	7	9,165.5	295.7	5.6892	-0.3729	7.3550	10.6797
Aug-31	79.12%	31	8	9,165.2	295.7	5.6892	-0.3035	7.4500	10.0919
Sep-31	78.46%	30	9	8,869.3	295.6	5.6892	-0.2567	7.3630	9.5182
Oct-31	77.18%	31	10	9,165.2	295.7	5.6892	-0.3107	7.3290	9.9998
Nov-31	83.07%	30	11	8,869.3	295.6	5.6891	-0.2415	7.8320	9.9715
Dec-31	80.31%	31	12	9,164.6	295.6	5.6891	-0.1758	8.4290	10.0494
Jan-32	81.86%	31	1	9,165.5	295.7	5.6892	-0.3740	9.0200	13.1111
Feb-32	84.10%	29	2	8,574.7	295.7	5.6893	-0.4824	8.6150	13.9563
Mar-32	83.32%	31	3	9,166.0	295.7	5.6893	-0.4677	7.9800	12.7381
Apr-32	80.36%	30	4	8,870.5	295.7	5.6893	-0.5177	7.4680	12.5325
May-32	82.87%	31	5	9,165.7	295.7	5.6892	-0.4144	7.2650	10.9945
Jun-32	79.93%	30	6	8,870.2	295.7	5.6893	-0.4405	7.4400	11.5579
Jul-32	78.43%	31	7	9,165.7	295.7	5.6892	-0.4036	7.6680	11.4818
Aug-32	79.12%	31	8	9,165.4	295.7	5.6892	-0.3392	7.7290	10.8498
Sep-32	78.46%	30	9	8,869.5	295.7	5.6892	-0.3011	7.5730	10.2331
Oct-32	77.18%	31	10	9,165.5	295.7	5.6892	-0.3573	7.5210	10.7508
Nov-32	83.07%	30	11	8,869.4	295.6	5.6892	-0.2674	8.2050	10.7204
Dec-32	80.31%	31	12	9,164.7	295.6	5.6891	-0.2098	8.7590	10.8041
Jan-33	81.86%	31	1	9,165.7	295.7	5.6892	-0.4101	9.1020	13.7168
Feb-33	84.10%	28	2	8,279.2	295.7	5.6893	-0.5259	8.6290	14.6010
Mar-33	83.32%	31	3	9,166.1	295.7	5.6893	-0.4843	8.2110	13.3265
Apr-33	80.36%	30	4	8,870.6	295.7	5.6893	-0.5306	7.7130	13.1114
May-33	82.87%	31	5	9,165.8	295.7	5.6892	-0.4230	7.5350	11.5024
Jun-33	79.93%	30	6	8,870.2	295.7	5.6893	-0.4411	7.7790	12.0918
Jul-33	78.43%	31	7	9,165.7	295.7	5.6892	-0.3998	8.0540	12.0122
Aug-33	79.12%	31	8	9,165.3	295.7	5.6892	-0.3299	8.1620	11.3510
Sep-33	78.46%	30	9	8,869.5	295.7	5.6892	-0.3008	7.9240	10.7058
Oct-33	77.18%	31	10	9,165.5	295.7	5.6892	-0.3569	7.8720	11.2475
Nov-33	83.07%	30	11	8,869.4	295.6	5.6892	-0.2803	8.4740	11.2156
Dec-33	80.31%	31	12	9,164.9	295.6	5.6891	-0.2395	8.8950	11.3032
Jan-34	81.86%	31	1	9,165.8	295.7	5.6892	-0.4193	9.2490	14.0667
Feb-34	84.10%	28	2	8,279.2	295.7	5.6893	-0.5247	8.8600	14.9734
Mar-34	83.32%	31	3	9,166.1	295.7	5.6893	-0.4911	8.3630	13.6664
Apr-34	80.36%	30	4	8,870.6	295.7	5.6893	-0.5303	7.9120	13.4459
May-34	82.87%	31	5	9,165.8	295.7	5.6892	-0.4257	7.7060	11.7958
Jun-34	79.93%	30	6	8,870.2	295.7	5.6893	-0.4432	7.9600	12.4003
Jul-34	78.43%	31	7	9,165.7	295.7	5.6892	-0.4043	8.2220	12.3186
Aug-34	79.12%	31	8	9,165.4	295.7	5.6892	-0.3369	8.3110	11.6406
Sep-34	78.46%	30	9	8,869.6	295.7	5.6892	-0.3050	8.0930	10.9789
Oct-34	77.18%	31	10	9,165.5	295.7	5.6892	-0.3568	8.0730	11.5344
Nov-34	83.07%	30	11	8,869.4	295.6	5.6892	-0.2787	8.7040	11.5017
Dec-34	80.31%	31	12	9,165.0	295.6	5.6892	-0.2610	8.9280	11.5916

Base Forecast of Refinery Gas Demand (2025-2040)

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-35	81.86%	31	1	9,165.8	295.7	5.6892	-0.4293	9.4430	14.5050
Feb-35	84.10%	28	2	8,279.3	295.7	5.6893	-0.5367	9.0270	15.4400
Mar-35	83.32%	31	3	9,166.0	295.7	5.6893	-0.4704	8.8040	14.0923
Apr-35	80.36%	30	4	8,870.6	295.7	5.6893	-0.5305	8.1570	13.8649
May-35	82.87%	31	5	9,165.8	295.7	5.6892	-0.4205	7.9880	12.1633
Jun-35	79.93%	30	6	8,870.2	295.7	5.6893	-0.4425	8.2150	12.7867
Jul-35	78.43%	31	7	9,165.7	295.7	5.6892	-0.4037	8.4830	12.7024
Aug-35	79.12%	31	8	9,165.3	295.7	5.6892	-0.3335	8.5990	12.0033
Sep-35	78.46%	30	9	8,869.5	295.6	5.6892	-0.2908	8.4650	11.3210
Oct-35	77.18%	31	10	9,165.4	295.7	5.6892	-0.3469	8.4080	11.8938
Nov-35	83.07%	30	11	8,869.5	295.7	5.6892	-0.2992	8.7930	11.8601
Dec-35	80.31%	31	12	9,165.0	295.6	5.6892	-0.2692	9.1320	11.9528
Jan-36	81.86%	31	1	9,166.1	295.7	5.6893	-0.4852	9.3100	15.1241
Feb-36	84.10%	29	2	8,575.1	295.7	5.6893	-0.5822	8.9940	16.0990
Mar-36	83.32%	31	3	9,166.5	295.7	5.6893	-0.5706	8.3040	14.6937
Apr-36	80.36%	30	4	8,870.9	295.7	5.6893	-0.5915	8.0020	14.4566
May-36	82.87%	31	5	9,166.1	295.7	5.6893	-0.4863	7.7990	12.6824
Jun-36	79.93%	30	6	8,870.5	295.7	5.6893	-0.5066	8.0340	13.3324
Jul-36	78.43%	31	7	9,166.0	295.7	5.6893	-0.4708	8.2710	13.2445
Aug-36	79.12%	31	8	9,165.7	295.7	5.6892	-0.4045	8.3520	12.5156
Sep-36	78.46%	30	9	8,869.8	295.7	5.6892	-0.3511	8.3090	11.8042
Oct-36	77.18%	31	10	9,165.7	295.7	5.6892	-0.4062	8.2610	12.4014
Nov-36	83.07%	30	11	8,869.7	295.7	5.6892	-0.3420	8.7840	12.3663
Dec-36	80.31%	31	12	9,165.3	295.7	5.6892	-0.3147	9.0980	12.4629
Jan-37	81.86%	31	1	9,166.3	295.7	5.6893	-0.5267	9.3450	15.8235
Feb-37	84.10%	28	2	8,279.6	295.7	5.6893	-0.6141	9.1140	16.8434
Mar-37	83.32%	31	3	9,166.7	295.7	5.6893	-0.6131	8.3270	15.3732
Apr-37	80.36%	30	4	8,871.1	295.7	5.6894	-0.6356	8.0100	15.1251
May-37	82.87%	31	5	9,166.3	295.7	5.6893	-0.5349	7.7720	13.2689
Jun-37	79.93%	30	6	8,870.7	295.7	5.6893	-0.5519	8.0330	13.9489
Jul-37	78.43%	31	7	9,166.2	295.7	5.6893	-0.5101	8.3210	13.8570
Aug-37	79.12%	31	8	9,165.8	295.7	5.6893	-0.4382	8.4480	13.0943
Sep-37	78.46%	30	9	8,869.9	295.7	5.6892	-0.3862	8.3930	12.3500
Oct-37	77.18%	31	10	9,165.8	295.7	5.6893	-0.4399	8.3570	12.9749
Nov-37	83.07%	30	11	8,869.9	295.7	5.6892	-0.3777	8.8690	12.9381
Dec-37	80.31%	31	12	9,165.4	295.7	5.6892	-0.3378	9.3010	13.0392
Jan-38	81.86%	31	1	9,166.4	295.7	5.6893	-0.5452	9.5110	16.4070
Feb-38	84.10%	28	2	8,279.7	295.7	5.6894	-0.6392	9.2160	17.4646
Mar-38	83.32%	31	3	9,166.6	295.7	5.6893	-0.6043	8.7110	15.9401
Apr-38	80.36%	30	4	8,871.0	295.7	5.6894	-0.6278	8.3710	15.6829
May-38	82.87%	31	5	9,166.3	295.7	5.6893	-0.5359	8.0510	13.7582
Jun-38	79.93%	30	6	8,870.7	295.7	5.6893	-0.5497	8.3470	14.4633
Jul-38	78.43%	31	7	9,166.2	295.7	5.6893	-0.5096	8.6310	14.3680
Aug-38	79.12%	31	8	9,165.8	295.7	5.6893	-0.4394	8.7500	13.5772
Sep-38	78.46%	30	9	8,870.0	295.7	5.6892	-0.3968	8.6110	12.8055
Oct-38	77.18%	31	10	9,165.9	295.7	5.6893	-0.4523	8.5580	13.4534
Nov-38	83.07%	30	11	8,870.0	295.7	5.6892	-0.3935	9.0510	13.4152
Dec-38	80.31%	31	12	9,165.4	295.7	5.6892	-0.3536	9.4930	13.5200
Jan-39	81.86%	31	1	9,166.4	295.7	5.6893	-0.5508	9.7530	16.9178
Feb-39	84.10%	28	2	8,279.8	295.7	5.6894	-0.6621	9.2880	18.0084
Mar-39	83.32%	31	3	9,166.8	295.7	5.6894	-0.6281	8.7710	16.4364
Apr-39	80.36%	30	4	8,871.1	295.7	5.6894	-0.6283	8.6270	16.1712
May-39	82.87%	31	5	9,166.3	295.7	5.6893	-0.5341	8.3160	14.1866
Jun-39	79.93%	30	6	8,870.7	295.7	5.6893	-0.5600	8.5190	14.9136
Jul-39	78.43%	31	7	9,166.2	295.7	5.6893	-0.5129	8.8710	14.8154
Aug-39	79.12%	31	8	9,165.8	295.7	5.6893	-0.4393	9.0230	14.0000
Sep-39	78.46%	30	9	8,870.0	295.7	5.6892	-0.4051	8.8060	13.2042
Oct-39	77.18%	31	10	9,166.0	295.7	5.6893	-0.4627	8.7340	13.8722
Nov-39	83.07%	30	11	8,869.9	295.7	5.6892	-0.3826	9.4350	13.8329
Dec-39	80.31%	31	12	9,165.4	295.7	5.6892	-0.3521	9.8040	13.9410

Base Forecast of Refinery Gas Demand (2025-2040)

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-40	81.86%	31	1	9,166.4	295.7	5.6893	-0.5458	10.1060	17.4424
Feb-40	84.10%	29	2	8,575.4	295.7	5.6894	-0.6360	9.8300	18.5667
Mar-40	83.32%	31	3	9,166.7	295.7	5.6893	-0.6140	9.1710	16.9461
Apr-40	80.36%	30	4	8,871.1	295.7	5.6894	-0.6398	8.7930	16.6726
May-40	82.87%	31	5	9,166.3	295.7	5.6893	-0.5433	8.4960	14.6265
Jun-40	79.93%	30	6	8,870.7	295.7	5.6893	-0.5623	8.7630	15.3761
Jul-40	78.43%	31	7	9,166.2	295.7	5.6893	-0.5167	9.1110	15.2748
Aug-40	79.12%	31	8	9,165.9	295.7	5.6893	-0.4401	9.2950	14.4340
Sep-40	78.46%	30	9	8,870.0	295.7	5.6892	-0.4002	9.1240	13.6136
Oct-40	77.18%	31	10	9,166.0	295.7	5.6893	-0.4735	8.9080	14.3024
Nov-40	83.07%	30	11	8,870.0	295.7	5.6892	-0.3990	9.5690	14.2619
Dec-40	80.31%	31	12	9,165.5	295.7	5.6892	-0.3677	9.9510	14.3733

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 2028 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-2028 = $(7,250.5) - (27.3) = (7,223.2 \text{ MDth})$.

The reduction of 27.3 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 2028 is:

G-50 Refinery Gas Demand, Aug-2028 = $(1,913.7 \text{ MDth})$.

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 2025, while forecasts cover years 2026-2040.

B. Monthly Forecast Tables

The additional four tables below provide monthly gas demand for the refinery segment. Recorded data are for year 2025, while forecasts cover years 2026-2040.

Annual Refinery Gas Demand: Recorded (2025)

Forecast (2026-2040) (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)
2025	107,978	87,189	0	87,189	365	20,789	0	20,789
2026	107,806	87,114	107	87,007	365	20,799	0	20,799
2027	107,691	87,109	216	86,893	365	20,798	0	20,798
2028	107,882	87,359	323	87,036	366	20,845	0	20,845
2029	107,484	87,112	426	86,686	365	20,799	0	20,799
2030	107,395	87,116	521	86,595	365	20,800	0	20,800
2031	107,302	87,116	614	86,502	365	20,800	0	20,800
2032	107,506	87,366	707	86,659	366	20,847	0	20,847
2033	107,118	87,118	800	86,318	365	20,800	0	20,800
2034	107,026	87,118	893	86,225	365	20,800	0	20,800
2035	106,933	87,118	985	86,132	365	20,800	0	20,800
2036	107,139	87,369	1,078	86,291	366	20,848	0	20,848
2037	106,753	87,122	1,170	85,952	365	20,801	0	20,801
2038	106,657	87,123	1,267	85,856	365	20,801	0	20,801
2039	106,560	87,123	1,364	85,759	365	20,801	0	20,801
2040	106,760	87,372	1,461	85,911	366	20,848	0	20,848

Monthly Refinery Gas Demand: Recorded (2025)

Forecast (2026-2040) (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-25	9,329	7,637	0	7,637	31	1,692	0	1,692
Feb-25	8,251	6,939	0	6,939	28	1,312	0	1,312
Mar-25	9,311	7,757	0	7,757	31	1,553	0	1,553
Apr-25	9,728	7,817	0	7,817	30	1,911	0	1,911
May-25	9,180	7,607	0	7,607	31	1,573	0	1,573
Jun-25	8,973	7,172	0	7,172	30	1,801	0	1,801
Jul-25	9,166	7,189	0	7,189	31	1,977	0	1,977
Aug-25	9,149	7,238	0	7,238	31	1,910	0	1,910
Sep-25	8,471	6,647	0	6,647	30	1,824	0	1,824
Oct-25	8,875	6,850	0	6,850	31	2,025	0	2,025
Nov-25	8,866	7,364	0	7,364	30	1,501	0	1,501
Dec-25	8,680	6,971	0	6,971	31	1,709	0	1,709
Jan-26	9,156	7,503	9	7,494	31	1,663	0	1,663
Feb-26	8,272	6,964	8	6,955	28	1,316	0	1,316
Mar-26	9,157	7,637	9	7,628	31	1,529	0	1,529
Apr-26	8,862	7,128	9	7,119	30	1,743	0	1,743
May-26	9,157	7,596	9	7,587	31	1,570	0	1,570
Jun-26	8,861	7,090	9	7,081	30	1,780	0	1,780
Jul-26	9,156	7,189	9	7,180	31	1,976	0	1,976
Aug-26	9,155	7,251	9	7,242	31	1,914	0	1,914
Sep-26	8,860	6,959	9	6,950	30	1,910	0	1,910
Oct-26	9,155	7,073	9	7,064	31	2,091	0	2,091
Nov-26	8,860	7,367	9	7,358	30	1,502	0	1,502
Dec-26	9,155	7,359	9	7,350	31	1,804	0	1,804
Jan-27	9,146	7,502	18	7,483	31	1,662	0	1,662
Feb-27	8,261	6,962	17	6,945	28	1,316	0	1,316
Mar-27	9,147	7,636	18	7,618	31	1,529	0	1,529
Apr-27	8,852	7,128	18	7,110	30	1,742	0	1,742
May-27	9,147	7,595	18	7,577	31	1,570	0	1,570
Jun-27	8,852	7,089	18	7,071	30	1,780	0	1,780
Jul-27	9,146	7,188	18	7,170	31	1,976	0	1,976
Aug-27	9,146	7,251	18	7,232	31	1,914	0	1,914
Sep-27	8,851	6,959	18	6,941	30	1,910	0	1,910
Oct-27	9,147	7,074	18	7,055	31	2,091	0	2,091
Nov-27	8,852	7,367	18	7,350	30	1,502	0	1,502
Dec-27	9,146	7,360	18	7,341	31	1,804	0	1,804
Jan-28	9,138	7,502	27	7,475	31	1,663	0	1,663
Feb-28	8,548	7,211	26	7,185	29	1,363	0	1,363
Mar-28	9,138	7,636	27	7,609	31	1,529	0	1,529
Apr-28	8,844	7,128	26	7,101	30	1,742	0	1,742
May-28	9,138	7,596	27	7,568	31	1,570	0	1,570
Jun-28	8,844	7,090	26	7,063	30	1,780	0	1,780
Jul-28	9,138	7,189	27	7,161	31	1,976	0	1,976
Aug-28	9,137	7,251	27	7,223	31	1,914	0	1,914
Sep-28	8,842	6,958	26	6,932	30	1,910	0	1,910
Oct-28	9,137	7,073	27	7,046	31	2,091	0	2,091
Nov-28	8,842	7,367	26	7,340	30	1,502	0	1,502
Dec-28	9,136	7,359	27	7,332	31	1,804	0	1,804
Jan-29	9,129	7,503	36	7,466	31	1,663	0	1,663
Feb-29	8,246	6,963	33	6,930	28	1,316	0	1,316
Mar-29	9,129	7,636	36	7,600	31	1,529	0	1,529
Apr-29	8,835	7,128	35	7,093	30	1,742	0	1,742
May-29	9,129	7,595	36	7,559	31	1,570	0	1,570
Jun-29	8,835	7,090	35	7,055	30	1,780	0	1,780
Jul-29	9,129	7,188	36	7,152	31	1,976	0	1,976
Aug-29	9,128	7,251	36	7,214	31	1,914	0	1,914
Sep-29	8,834	6,959	35	6,924	30	1,910	0	1,910
Oct-29	9,129	7,073	36	7,037	31	2,091	0	2,091
Nov-29	8,834	7,367	35	7,332	30	1,502	0	1,502
Dec-29	9,128	7,360	36	7,323	31	1,804	0	1,804

Monthly Refinery Gas Demand: Recorded (2025)

Forecast (2026-2040) (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-30	9,121	7,503	44	7,458	31	1,663	0	1,663
Feb-30	8,239	6,963	40	6,923	28	1,316	0	1,316
Mar-30	9,122	7,637	44	7,592	31	1,529	0	1,529
Apr-30	8,828	7,128	43	7,085	30	1,743	0	1,743
May-30	9,122	7,596	44	7,551	31	1,570	0	1,570
Jun-30	8,827	7,090	43	7,047	30	1,780	0	1,780
Jul-30	9,121	7,189	44	7,145	31	1,977	0	1,977
Aug-30	9,121	7,251	44	7,207	31	1,914	0	1,914
Sep-30	8,826	6,959	43	6,916	30	1,910	0	1,910
Oct-30	9,121	7,074	44	7,030	31	2,091	0	2,091
Nov-30	8,827	7,367	43	7,325	30	1,502	0	1,502
Dec-30	9,120	7,360	44	7,316	31	1,805	0	1,805
Jan-31	9,113	7,503	52	7,451	31	1,663	0	1,663
Feb-31	8,232	6,963	47	6,916	28	1,316	0	1,316
Mar-31	9,114	7,637	52	7,584	31	1,529	0	1,529
Apr-31	8,820	7,128	50	7,078	30	1,742	0	1,742
May-31	9,114	7,596	52	7,543	31	1,570	0	1,570
Jun-31	8,820	7,090	50	7,039	30	1,780	0	1,780
Jul-31	9,113	7,189	52	7,137	31	1,977	0	1,977
Aug-31	9,113	7,251	52	7,199	31	1,914	0	1,914
Sep-31	8,819	6,959	50	6,909	30	1,910	0	1,910
Oct-31	9,113	7,074	52	7,022	31	2,091	0	2,091
Nov-31	8,819	7,367	50	7,317	30	1,502	0	1,502
Dec-31	9,112	7,360	52	7,308	31	1,805	0	1,805
Jan-32	9,106	7,503	60	7,443	31	1,663	0	1,663
Feb-32	8,519	7,212	56	7,156	29	1,363	0	1,363
Mar-32	9,106	7,637	60	7,577	31	1,529	0	1,529
Apr-32	8,813	7,128	58	7,070	30	1,742	0	1,742
May-32	9,106	7,596	60	7,536	31	1,570	0	1,570
Jun-32	8,812	7,090	58	7,032	30	1,780	0	1,780
Jul-32	9,106	7,189	60	7,129	31	1,977	0	1,977
Aug-32	9,105	7,251	60	7,192	31	1,914	0	1,914
Sep-32	8,812	6,959	58	6,901	30	1,910	0	1,910
Oct-32	9,106	7,074	60	7,014	31	2,091	0	2,091
Nov-32	8,811	7,367	58	7,309	30	1,502	0	1,502
Dec-32	9,105	7,360	60	7,300	31	1,805	0	1,805
Jan-33	9,098	7,503	68	7,435	31	1,663	0	1,663
Feb-33	8,218	6,963	61	6,902	28	1,316	0	1,316
Mar-33	9,098	7,637	68	7,569	31	1,529	0	1,529
Apr-33	8,805	7,128	66	7,062	30	1,742	0	1,742
May-33	9,098	7,596	68	7,528	31	1,570	0	1,570
Jun-33	8,804	7,090	66	7,024	30	1,780	0	1,780
Jul-33	9,098	7,189	68	7,121	31	1,977	0	1,977
Aug-33	9,097	7,251	68	7,183	31	1,914	0	1,914
Sep-33	8,804	6,959	66	6,894	30	1,910	0	1,910
Oct-33	9,098	7,074	68	7,006	31	2,091	0	2,091
Nov-33	8,804	7,367	66	7,302	30	1,502	0	1,502
Dec-33	9,097	7,360	68	7,292	31	1,805	0	1,805
Jan-34	9,090	7,503	76	7,427	31	1,663	0	1,663
Feb-34	8,211	6,963	68	6,895	28	1,316	0	1,316
Mar-34	9,090	7,637	76	7,561	31	1,529	0	1,529
Apr-34	8,797	7,128	73	7,055	30	1,742	0	1,742
May-34	9,090	7,596	76	7,520	31	1,570	0	1,570
Jun-34	8,797	7,090	73	7,016	30	1,780	0	1,780
Jul-34	9,090	7,189	76	7,113	31	1,977	0	1,977
Aug-34	9,090	7,251	76	7,176	31	1,914	0	1,914
Sep-34	8,796	6,959	73	6,886	30	1,910	0	1,910
Oct-34	9,090	7,074	76	6,998	31	2,091	0	2,091
Nov-34	8,796	7,367	73	7,294	30	1,502	0	1,502
Dec-34	9,089	7,360	76	7,285	31	1,805	0	1,805

Monthly Refinery Gas Demand: Recorded (2025)

Forecast (2026-2040) (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-35	9,082	7,503	84	7,419	31	1,663	0	1,663
Feb-35	8,204	6,963	76	6,888	28	1,316	0	1,316
Mar-35	9,082	7,637	84	7,553	31	1,529	0	1,529
Apr-35	8,790	7,128	81	7,047	30	1,742	0	1,742
May-35	9,082	7,596	84	7,512	31	1,570	0	1,570
Jun-35	8,789	7,090	81	7,009	30	1,780	0	1,780
Jul-35	9,082	7,189	84	7,105	31	1,977	0	1,977
Aug-35	9,082	7,251	84	7,168	31	1,914	0	1,914
Sep-35	8,788	6,959	81	6,878	30	1,910	0	1,910
Oct-35	9,082	7,074	84	6,990	31	2,091	0	2,091
Nov-35	8,789	7,367	81	7,286	30	1,502	0	1,502
Dec-35	9,081	7,360	84	7,277	31	1,805	0	1,805
Jan-36	9,075	7,503	91	7,412	31	1,663	0	1,663
Feb-36	8,490	7,212	85	7,127	29	1,363	0	1,363
Mar-36	9,075	7,637	91	7,546	31	1,529	0	1,529
Apr-36	8,783	7,128	88	7,040	30	1,743	0	1,743
May-36	9,075	7,596	91	7,504	31	1,570	0	1,570
Jun-36	8,782	7,090	88	7,002	30	1,780	0	1,780
Jul-36	9,075	7,189	91	7,098	31	1,977	0	1,977
Aug-36	9,074	7,252	91	7,160	31	1,914	0	1,914
Sep-36	8,781	6,959	88	6,871	30	1,910	0	1,910
Oct-36	9,074	7,074	91	6,983	31	2,091	0	2,091
Nov-36	8,781	7,368	88	7,279	30	1,502	0	1,502
Dec-36	9,074	7,361	91	7,269	31	1,805	0	1,805
Jan-37	9,067	7,503	99	7,404	31	1,663	0	1,663
Feb-37	8,190	6,963	90	6,874	28	1,316	0	1,316
Mar-37	9,067	7,637	99	7,538	31	1,529	0	1,529
Apr-37	8,775	7,128	96	7,032	30	1,743	0	1,743
May-37	9,067	7,596	99	7,497	31	1,570	0	1,570
Jun-37	8,775	7,090	96	6,994	30	1,781	0	1,781
Jul-37	9,067	7,189	99	7,090	31	1,977	0	1,977
Aug-37	9,066	7,252	99	7,152	31	1,914	0	1,914
Sep-37	8,774	6,960	96	6,863	30	1,910	0	1,910
Oct-37	9,066	7,074	99	6,975	31	2,091	0	2,091
Nov-37	8,774	7,368	96	7,272	30	1,502	0	1,502
Dec-37	9,066	7,361	99	7,261	31	1,805	0	1,805
Jan-38	9,059	7,504	108	7,396	31	1,663	0	1,663
Feb-38	8,182	6,964	97	6,866	28	1,316	0	1,316
Mar-38	9,059	7,637	108	7,530	31	1,529	0	1,529
Apr-38	8,767	7,128	104	7,024	30	1,743	0	1,743
May-38	9,059	7,596	108	7,488	31	1,570	0	1,570
Jun-38	8,767	7,090	104	6,986	30	1,781	0	1,781
Jul-38	9,059	7,189	108	7,082	31	1,977	0	1,977
Aug-38	9,058	7,252	108	7,144	31	1,914	0	1,914
Sep-38	8,766	6,960	104	6,856	30	1,910	0	1,910
Oct-38	9,058	7,074	108	6,967	31	2,092	0	2,092
Nov-38	8,766	7,368	104	7,264	30	1,502	0	1,502
Dec-38	9,058	7,361	108	7,253	31	1,805	0	1,805
Jan-39	9,051	7,504	116	7,388	31	1,663	0	1,663
Feb-39	8,175	6,964	105	6,859	28	1,316	0	1,316
Mar-39	9,051	7,637	116	7,521	31	1,529	0	1,529
Apr-39	8,759	7,128	112	7,016	30	1,743	0	1,743
May-39	9,050	7,596	116	7,480	31	1,570	0	1,570
Jun-39	8,759	7,090	112	6,978	30	1,781	0	1,781
Jul-39	9,050	7,189	116	7,074	31	1,977	0	1,977
Aug-39	9,050	7,252	116	7,136	31	1,914	0	1,914
Sep-39	8,758	6,960	112	6,848	30	1,910	0	1,910
Oct-39	9,050	7,074	116	6,959	31	2,092	0	2,092
Nov-39	8,758	7,368	112	7,256	30	1,502	0	1,502
Dec-39	9,050	7,361	116	7,245	31	1,805	0	1,805

Monthly Refinery Gas Demand: Recorded (2025)

Forecast (2026-2040) (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 <i>plus</i> Out-of- model Adj (MDth)
Jan-40	9,043	7,504	124	7,380	31	1,663	0	1,663
Feb-40	8,460	7,212	116	7,096	29	1,363	0	1,363
Mar-40	9,043	7,637	124	7,514	31	1,529	0	1,529
Apr-40	8,751	7,129	120	7,009	30	1,743	0	1,743
May-40	9,043	7,596	124	7,472	31	1,570	0	1,570
Jun-40	8,751	7,090	120	6,970	30	1,781	0	1,781
Jul-40	9,043	7,189	124	7,066	31	1,977	0	1,977
Aug-40	9,042	7,252	124	7,128	31	1,914	0	1,914
Sep-40	8,750	6,960	120	6,840	30	1,910	0	1,910
Oct-40	9,042	7,074	124	6,951	31	2,092	0	2,092
Nov-40	8,750	7,368	120	7,248	30	1,502	0	1,502
Dec-40	9,042	7,361	124	7,237	31	1,805	0	1,805

ELECTRIC GENERATION

NON-COGENERATION EG

Schedule 1: Form 1.5a - STATEWIDE
California Energy Demand 2024-2050 Forecast - Planning Forecast
Total Energy to Serve Load by Agency and Balancing Authority (GWh)

Balancing Authority	Agency	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Average Annual Growth (2024-2050)	
	PG&E Service Area - Greater Bay Area	34,045	34,604	35,900	37,740	39,988	45,426	49,301	52,099	54,840	57,375	60,036	62,883	65,655	67,931	69,962	71,724	73,376	74,699	75,905	77,067	78,094	78,861	79,566	80,155	80,716	81,262	81,770	82,196	3.38%	
	NCPA - Greater Bay Area	1,391	1,386	1,403	1,444	1,530	1,642	1,722	1,795	1,867	1,943	2,025	2,115	2,209	2,284	2,351	2,411	2,466	2,515	2,559	2,600	2,635	2,662	2,685	2,704	2,721	2,737	2,751	2,761	2.69%	
	Power Enterprise of the San Francisco PUC	1,045	1,126	1,178	1,216	1,249	1,279	1,309	1,347	1,383	1,419	1,458	1,502	1,549	1,587	1,620	1,651	1,689	1,717	1,744	1,767	1,789	1,808	1,823	1,837	1,854	1,868	1,882	1,896	2.02%	
	Silicon Valley Power	4,792	5,028	5,730	6,109	6,506	6,947	7,411	7,757	8,567	9,181	9,762	10,452	11,088	11,679	12,118	12,499	12,863	13,192	13,311	13,420	13,508	13,576	13,636	13,686	13,729	13,770	13,803	13,830	3.97%	
	Other NP15 LSEs - Bay Area	35	34	34	34	35	35	36	37	37	38	39	40	41	42	43	44	44	45	45	46	46	46	46	47	47	47	47	47	1.30%	
	CDWR - Greater Bay Area	1,543	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	0.00%
	WAPA - Greater Bay Area	636	544	548	554	563	573	586	602	618	636	656	679	703	723	740	755	770	782	793	804	812	819	826	831	837	842	846	850	1.74%	
Greater Bay Area Subtotal		43,487	43,456	45,529	47,833	50,605	56,638	61,102	64,372	68,049	71,328	74,712	78,408	81,981	84,981	87,570	89,820	91,943	93,686	95,093	96,438	97,620	98,508	99,317	99,995	100,638	101,262	101,834	102,316	3.35%	
	PG&E Service Area - Non Bay Area	38,195	37,927	38,292	39,279	40,629	44,082	47,579	51,628	55,283	57,041	59,296	61,324	63,357	65,005	66,538	67,926	69,211	70,390	71,483	72,546	73,461	74,170	74,815	75,345	75,855	76,359	76,784	77,091	2.77%	
	NCPA - Non Bay Area	1,024	1,021	1,028	1,050	1,084	1,125	1,173	1,227	1,281	1,338	1,402	1,470	1,539	1,595	1,646	1,693	1,736	1,776	1,811	1,847	1,877	1,901	1,922	1,940	1,957	1,975	1,988	1,998	2.62%	
	Other NP15 LSEs - Non Bay Area	170	169	169	172	177	182	188	196	203	211	221	231	241	249	257	263	269	275	279	284	288	291	293	295	297	299	300	302	2.26%	
	CDWR - Non Bay Area	1,575	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	751	0.00%
	WAPA - Non Bay Area	2,186	1,888	1,906	1,927	1,959	1,996	2,044	2,099	2,159	2,221	2,295	2,376	2,461	2,530	2,591	2,645	2,697	2,742	2,782	2,819	2,850	2,876	2,898	2,919	2,939	2,957	2,973	2,988	1.78%	
Total North of Path 15		86,636	85,212	87,675	91,012	95,205	104,772	112,837	120,272	127,725	132,891	138,675	144,558	150,329	155,110	159,352	163,098	166,606	169,619	172,199	174,685	176,847	178,496	179,997	181,245	182,438	183,602	184,631	185,446	3.04%	
	PG&E Service Area - ZP26	7,359	9,279	9,359	9,578	9,821	10,092	10,393	10,960	11,309	11,685	12,335	12,778	13,216	13,573	13,900	14,189	14,462	14,708	14,937	15,145	15,326	15,463	15,585	15,679	15,768	15,855	15,929	15,982	2.11%	
	CDWR - ZP26	3,256	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	1,552	0.00%	
	WAPA - ZP26	173	148	149	150	153	155	159	163	168	173	178	184	191	196	201	205	209	212	215	218	220	222	224	226	227	228	230	231	1.74%	
Total Zone Path 26		10,787	10,979	11,060	11,280	11,526	11,800	12,104	12,676	13,029	13,409	14,065	14,515	14,959	15,321	15,652	15,946	16,223	16,472	16,705	16,915	17,098	17,238	17,361	17,457	17,547	17,636	17,711	17,764	1.87%	
Total Valley		53,936	52,735	53,206	54,459	56,125	59,935	63,839	68,576	72,705	74,972	78,028	80,665	83,307	85,450	87,435	89,224	90,886	92,405	93,811	95,161	96,325	97,226	98,040	98,707	99,347	99,976	100,507	100,894	2.53%	
Total North of Path 26 (Total PG&E TAC Area)		97,423	96,191	98,735	102,292	106,731	116,572	124,940	132,948	140,754	146,300	152,740	159,073	165,287	170,431	175,005	179,044	182,829	186,091	188,904	191,599	193,945	195,734	197,358	198,702	199,985	201,238	202,341	203,210	2.92%	
	Turlock Irrigation District	2,371	2,484	2,509	2,552	2,612	2,687	2,771	2,866	2,971	3,085	3,221	3,362	3,503	3,617	3,715	3,800	3,875	3,938	3,991	4,038	4,078	4,127	4,144	4,159	4,175	4,188	4,202	2.04%		
	Merced Irrigation District	534	557	565	577	591	608	626	646	669	693	723	753	783	807	829	848	865	879	891	902	911	917	922	926	929	933	936	940	2.03%	
Total Turlock Irrigation District Control Area		2,905	3,041	3,074	3,128	3,203	3,295	3,397	3,513	3,640	3,778	3,944	4,115	4,286	4,425	4,544	4,648	4,739	4,817	4,882	4,940	4,990	5,025	5,049	5,069	5,089	5,108	5,125	5,142	2.04%	
	Sacramento Municipal Utility District	10,808	10,942	11,069	11,257	11,538	11,898	12,336	12,814	13,281	13,769	14,256	14,749	15,234	15,620	15,976	16,315	16,636	16,932	17,198	17,460	17,691	17,863	18,005	18,121	18,234	18,343	18,426	18,489	2.04%	
	Modesto Irrigation District	2,737	2,840	2,855	2,874	2,902	2,939	2,983	3,034	3,085	3,143	3,205	3,274	3,343	3,403	3,456	3,502	3,544	3,581	3,613	3,640	3,663	3,678	3,689	3,698	3,706	3,713	3,719	3,723	1.05%	
	Roseville, City of	1,234	1,281	1,287	1,295	1,310	1,331	1,356	1,385	1,413	1,444	1,478	1,514	1,551	1,583	1,610	1,634	1,655	1,674	1,690	1,704	1,715	1,723	1,728	1,733	1,737	1,741	1,744	1,746	1.20%	
	Redding, City of	792	823	828	834	845	859	877	899	919	942	967	994	1,021	1,044	1,064	1,081	1,097	1,112	1,124	1,134	1,143	1,149	1,153	1,157	1,161	1,164	1,166	1,168	1.35%	
	Shasta Lake, City of	230	234	234	235	236	237	238	239	240	242	243	245	248	249	251	252	252	253	253	254	254	253	253	252	252	251	251	250	0.25%	
	WAPA (BANC)	586	589	590	592	593	596	599	606	611	617	622	628	633	638	643	648	654	659	664	670	674	677	681	684	692	696	700	705	0.69%	
	Total Balancing Authority of Northern California Control Area		16,386	16,710	16,863	17,087	17,424	17,859	18,389	18,977	19,550	20,156	20,772	21,404	22,030	22,537	22,999	23,432	23,838	24,210	24,543	24,862	25,139	25,344	25,510	25,646	25,782	25,908	26,006	26,081	1.73%
	SCE Service Area - LA Basin	63,434	65,587	66,448	67,754	69,678	72,012	74,754	77,686	80,442	83,254	86,284	89,467	92,695	94,994	97,166	99,070	100,803	102,333	103,676	104,960	106,019	106,715	107,387	107,841	108,265	108,653	108,929	109,108	1.98%	
	Anaheim, City of	2,255	2,291	2,314	2,345	2,408	2,487	2,576	2,671	2,760	2,850	2,947	3,053	3,163	3,247	3,323	3,390	3,449	3,502	3,547	3,589	3,623	3,645	3,663	3,674	3,683	3,692	3,695	3,696	1.86%	
	Pasadena Water and Power	1,107	1,138	1,151	1,172	1,																									

Schedule 2: Form 1.5b - STATEWIDE
California Energy Demand 2024-2050 Forecast - Planning Forecast
1-in-2 Net Electricity Peak Demand by Agency and Balancing Authority (MW)

Balancing Authority	Agency	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Average Annual Growth (2024-2050)
	PG&E Service Area - Greater Bay Area	6,715	6,939	7,195	7,482	8,180	8,646	8,946	9,234	9,578	9,889	10,238	10,570	10,918	11,193	11,425	11,621	11,784	11,985	12,174	12,341	12,408	12,466	12,530	12,631	12,742	12,786	12,797	2.51%
	NCPA - Greater Bay Area	215	217	220	229	237	242	247	252	260	267	276	285	294	301	307	312	318	323	329	333	335	337	338	341	343	344	344	1.82%
	Power Enterprise of the San Francisco PUC	131	137	139	140	138	138	139	140	142	144	147	149	153	155	158	160	162	165	167	169	170	171	172	174	176	176	177	1.16%
	Silicon Valley Power	714	786	832	883	938	1,001	1,047	1,153	1,232	1,313	1,406	1,492	1,567	1,630	1,681	1,731	1,770	1,786	1,800	1,812	1,821	1,829	1,836	1,842	1,847	1,852	1,855	3.74%
	Other NP15 LSEs - Bay Area	6	6	6	6	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0.45%
	CDWR - Greater Bay Area	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	55	0.57%
	WAPA - Greater Bay Area	74	63	64	65	66	67	68	70	72	74	77	79	82	84	86	88	90	91	93	94	95	96	96	97	98	98	99	1.10%
Greater Bay Area Subtotal		7,902	8,194	8,503	8,852	9,611	10,146	10,498	10,901	11,336	11,740	12,196	12,627	13,067	13,416	13,710	13,966	14,177	14,403	14,616	14,803	14,883	14,952	15,026	15,138	15,259	15,310	15,333	2.58%
	PG&E Service Area - Non Bay Area	9,213	9,264	9,373	9,516	9,937	10,444	11,096	11,652	11,919	12,226	12,498	12,768	13,078	13,325	13,543	13,721	13,900	14,128	14,345	14,531	14,607	14,672	14,743	14,859	14,987	15,029	15,024	1.90%
	NCPA - Non Bay Area	246	247	249	252	252	256	262	268	278	287	298	308	319	328	335	342	348	356	363	369	372	375	377	381	385	387	387	1.75%
	Other NP15 LSEs - Non Bay Area	30	27	30	31	30	31	31	32	33	34	35	36	37	38	39	39	40	41	41	42	42	42	43	43	43	43	43	1.40%
	CDWR - Non Bay Area	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	71	0.57%	
	WAPA - Non Bay Area	229	260	263	267	272	279	286	295	303	313	324	336	345	354	362	368	374	380	385	389	392	396	398	401	404	406	408	2.25%
Total North of Path 15		17,682	18,054	18,480	18,979	20,164	21,216	22,236	23,209	23,930	24,661	25,412	26,136	26,907	27,522	28,050	28,497	28,900	29,369	29,812	30,196	30,358	30,498	30,648	30,884	31,140	31,237	31,267	2.22%
	PG&E Service Area - ZP26	2,156	2,166	2,186	2,200	2,176	2,182	2,253	2,280	2,336	2,433	2,491	2,548	2,612	2,663	2,706	2,742	2,778	2,824	2,865	2,900	2,913	2,924	2,935	2,955	2,977	2,982	2,979	1.25%
	CDWR - ZP26	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	114	0.57%
	WAPA - ZP26	18	18	18	18	19	19	19	20	21	21	22	23	23	24	24	25	25	26	26	26	26	27	27	27	27	27	27	1.74%
Total Zone Path 26		2,272	2,282	2,303	2,317	2,293	2,300	2,371	2,399	2,454	2,552	2,611	2,669	2,734	2,785	2,829	2,866	2,902	2,948	2,989	3,024	3,038	3,049	3,060	3,080	3,102	3,108	3,121	1.23%
Total Valley		12,052	12,142	12,280	12,444	12,846	13,370	14,109	14,707	15,048	15,473	15,827	16,178	16,574	16,891	17,169	17,397	17,625	17,914	18,185	18,417	18,513	18,595	18,682	18,826	18,983	19,035	19,055	1.78%
Total North of Path 26 (Total PG&E TAC Area)		19,954	20,336	20,783	21,296	22,457	23,516	24,607	25,608	26,384	27,213	28,032	28,805	29,641	30,307	30,879	31,363	31,802	32,317	32,801	33,220	33,396	33,547	33,708	33,964	34,242	34,345	34,388	2.12%
	Turlock Irrigation District	595	577	582	590	600	610	621	633	646	657	670	683	696	709	721	732	744	756	767	778	786	794	801	810	818	825	835	1.31%
	Merced Irrigation District	116	113	114	115	117	119	122	124	126	129	131	134	136	139	141	143	146	148	150	152	154	155	157	158	160	161	163	1.31%
Total Turlock Irrigation District Control Area		711	689	696	706	717	730	743	757	772	786	801	817	833	848	862	876	890	904	917	930	940	949	958	968	978	986	999	1.31%
	Sacramento Municipal Utility District	3,125	3,120	3,159	3,211	3,275	3,353	3,434	3,516	3,602	3,681	3,762	3,846	3,934	4,018	4,103	4,185	4,268	4,357	4,443	4,527	4,588	4,649	4,710	4,777	4,844	4,900	5,014	1.83%
	Modesto Irrigation District	649	629	635	644	654	666	678	691	704	717	731	745	760	773	786	799	812	825	837	849	857	866	874	883	892	900	911	1.31%
	Roseville, City of	314	305	308	312	317	322	328	335	341	347	354	361	368	375	381	387	393	399	405	411	415	419	424	428	432	436	441	1.31%
	Redding, City of	241	234	236	239	243	247	252	256	261	266	271	277	282	287	292	297	301	306	311	315	318	321	325	328	331	334	338	1.31%
	Shasta Lake, City of	38	37	37	37	38	39	39	40	41	42	42	43	44	45	46	46	47	48	49	49	50	50	51	51	52	52	53	1.31%
	WAPA (BANC)	89	89	89	89	90	90	91	92	93	94	95	96	97	98	98	99	100	101	101	102	102	103	104	105	105	106		0.69%
Total Balancing Authority of Northern California Control Area		4,455	4,413	4,463	4,532	4,616	4,717	4,822	4,930	5,042	5,147	5,256	5,367	5,484	5,595	5,706	5,812	5,921	6,035	6,146	6,253	6,331	6,408	6,486	6,571	6,656	6,727	6,864	1.68%
	SCE Service Area - LA Basin	16,005	15,961	16,042	16,172	16,405	16,769	17,096	17,420	17,745	18,107	18,596	19,153	19,425	19,769	20,093	20,384	20,793	20,956	21,129	21,324	21,439	21,618	21,769	21,746	21,744	21,756	21,766	1.19%
	Anaheim, City of	511	510	509	513	520	530	539	548	557	567	582	599	609	620	630	640	653	657	662	668	671	676	680	678	677	676		1.08%
	Pasadena Water and Power	283	286	287	290	295	303	309	316	322	330	340	352	358	366	373	380	388	391	395	399	401	405	407	407	406	406		1.39%
	Riverside, City of	571	558	561	566	575	590	602	616	630	644	663	682	694	707	720	732	748	755	763	771	777	785	792	793	795	797	799	1.30%
	Vernon, City of	142	159	161	196	213	213	212	212	211	210	210	212	211	211	211	212	213	212	212	212	212	211	212	211	209	209	208	1.48%
	Other SP15 LSEs - LA Basin	314	312	311	313	317	322	327	332	337	343	351	361	366	372	379	384	392	395	399	403	405	409	412	412	413	413	414	1.07%
LA Basin Subtotal		17,826	17,786	17,871	18,049	18,325	18,726	19,086	19,444	19,803	20,201	20,742	21,359	21,663	22,046	22,407	22,731	23,188	23,367	23,560	23,776	23,906	24,104	24,273	24,247	24,245	24,258	24,269	1.19%
	SCE Service Area - Big Creek/Ventura	4,078	4,038	4,037	4,071	4,123	4,211	4,293	4,393	4,496	4,619	4,774	4,945	5,047	5,168	5,287	5,397	5,537	5,612	5,689	5,768	5,820	5,888	5,950	5,963	5,985	6,009	6,031	1.52%
	CDWR - Big Creek/Ventura	234	234	234	234	246	246</																						

Schedule 3: Form 1.1c - STATEWIDE
California Energy Demand 2024-2050 Forecast - Planning Forecast with Updated CPUC-Jurisdictional Forecasts
Electricity Deliveries to End Users by Agency (GWh)

Planning Area	Agency	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	Average Annual Growth (2024-2050)		
PG&E	Pacific Gas & Electric Company (Bundled)	26,447	27,789	26,578	26,740	27,652	29,799	32,555	35,483	38,762	40,732	43,048	44,868	46,652	48,082	49,152	50,178	51,156	52,034	52,837	53,590	54,258	54,777	55,213	55,575	55,915	56,247	56,513	56,725	2.78%		
	Pacific Gas & Electric Company (Direct Access)	11,118	11,136	11,125	11,288	11,421	11,750	11,693	11,623	11,527	11,414	11,339	11,292	11,264	11,251	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	11,248	0.04%		
	BART	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	372	0.00%		
	CCA - Central Coast Community Energy	4,076	4,191	4,820	4,943	5,117	5,324	5,564	5,838	6,106	6,397	6,711	7,053	7,400	7,682	7,939	8,172	8,384	8,584	8,763	8,944	9,099	9,224	9,331	9,421	9,503	9,588	9,653	9,698	3.28%		
	CCA - CleanPowerSF	2,940	2,847	3,271	3,478	3,677	3,947	4,437	4,696	4,921	5,142	5,368	5,586	5,811	5,969	6,132	6,283	6,423	6,548	6,658	6,766	6,862	6,932	6,989	7,036	7,078	7,119	7,150	7,172	3.62%		
	CCA - East Bay Community Energy	6,518	6,614	7,665	8,991	9,491	10,157	10,875	11,653	12,249	12,772	13,373	13,956	14,477	14,933	15,348	15,683	15,996	16,273	16,520	16,758	16,968	17,122	17,246	17,346	17,437	17,527	17,593	17,638	3.84%		
	CCA - King City Community Power	36	35	36	37	38	39	41	42	44	46	48	50	52	54	56	57	58	59	61	62	63	64	65	65	65	66	66	66	2.48%		
	CCA - Marin Clean Energy	5,384	5,498	5,722	5,798	5,950	6,133	6,361	6,610	6,868	7,144	7,483	7,831	8,182	8,471	8,732	8,964	9,171	9,360	9,522	9,673	9,803	9,899	9,971	10,037	10,097	10,157	10,206	10,251	2.43%		
	CCA - Peninsula Clean Energy Authority	3,265	3,293	3,569	3,647	3,820	4,055	4,301	4,600	4,986	5,346	5,712	6,095	6,493	6,843	7,151	7,391	7,611	7,819	8,006	8,202	8,363	8,497	8,619	8,724	8,824	8,927	9,006	9,057	3.97%		
	CCA - Pioneer Community Energy	1,624	1,753	1,716	1,753	2,269	4,046	4,122	4,325	4,516	4,718	4,925	5,145	5,361	5,534	5,690	5,834	5,967	6,091	6,203	6,318	6,419	6,497	6,563	6,620	6,675	6,729	6,772	6,804	5.35%		
	CCA - Redwood Coast Energy Authority	549	514	514	525	545	569	599	633	667	703	742	785	828	865	899	930	959	986	1,010	1,036	1,057	1,074	1,090	1,103	1,116	1,129	1,139	1,146	3.13%		
	CCA - San José Clean Energy	3,692	3,729	3,836	4,126	4,497	6,236	7,961	9,140	9,724	9,809	9,915	10,156	10,382	10,523	10,791	10,973	11,141	11,292	11,425	11,556	11,671	11,756	11,826	11,883	11,935	11,986	12,024	12,050	4.62%		
	CCA - Silicon Valley Clean Energy	3,830	3,985	4,111	4,352	4,603	5,283	5,538	5,830	5,931	5,993	6,116	6,303	6,520	6,707	6,888	7,053	7,207	7,343	7,463	7,580	7,681	7,757	7,819	7,869	7,915	7,960	7,994	8,019	2.73%		
	CCA - Sonoma Clean Power	2,081	2,090	2,092	2,139	2,229	2,393	2,475	2,630	2,781	2,935	3,121	3,315	3,514	3,679	3,833	3,974	4,102	4,224	4,335	4,450	4,547	4,626	4,698	4,759	4,818	4,879	4,926	4,955	3.38%		
	CCA - Valley Clean Energy Alliance	686	674	691	709	733	760	791	824	858	893	930	970	1,010	1,042	1,072	1,100	1,126	1,150	1,172	1,194	1,214	1,230	1,245	1,257	1,269	1,281	1,292	1,300	2.56%		
	Alameda Municipal Power	356	354	358	368	384	402	424	447	469	492	516	543	569	591	610	628	643	658	670	682	693	701	708	713	718	722	726	729	2.81%		
	Biggs Municipal Utilities	12	12	11	12	12	12	12	12	12	13	13	13	13	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	1.02%		
	Calaveras Public Power Agency	32	38	39	40	41	42	43	44	45	47	49	50	52	54	55	57	58	59	61	62	63	63	64	65	66	66	67	67	2.28%		
	Gridley Electric Utility	31	30	30	30	31	32	33	34	36	37	39	41	43	44	46	47	48	49	50	51	51	52	52	53	53	53	53	54	2.30%		
	Healdsburg, City of	75	75	75	77	80	83	88	93	98	104	110	117	124	130	135	140	145	149	153	157	160	163	165	168	170	172	173	174	3.30%		
	Kirkwood Meadows Public Utility District	740	737	742	756	783	816	854	897	938	981	1027	1075	1123	1161	1196	1228	1257	1285	1309	1334	1360	1373	1388	1401	1413	1426	1435	1443	2.62%		
	Lassen Municipal Utility District	127	126	126	128	131	135	140	145	151	157	164	171	178	184	190	195	199	203	207	210	213	215	217	218	219	221	222	223	2.23%		
	Lathrop Irrigation District	21	21	21	22	22	24	25	26	27	28	30	31	32	33	34	35	36	37	37	38	39	39	40	40	40	41	41	41	2.64%		
	Lodi Electric Utility	436	429	431	440	453	469	487	507	527	548	569	593	616	635	651	666	680	693	705	716	726	734	740	746	751	756	760	763	2.24%		
	Lompoc, City of	136	139	141	145	151	158	167	176	186	196	207	219	232	242	251	259	267	274	280	287	293	297	301	305	308	311	314	316	3.21%		
	Palo Alto, City of	834	831	842	869	931	1,014	1,065	1,106	1,148	1,192	1,241	1,296	1,352	1,397	1,437	1,473	1,505	1,534	1,559	1,583	1,603	1,618	1,631	1,642	1,652	1,661	1,669	1,675	2.73%		
	Pittsburg, City of (dba Island Energy on Mare Island)	32	31	31	31	32	32	33	34	34	35	36	37	38	39	39	40	40	41	41	42	42	42	43	43	43	43	43	43	1.30%		
	Plumas-Sierra Rural Electric Cooperative	144	145	146	148	152	156	160	166	171	177	184	192	200	206	212	217	221	226	230	233	236	238	240	242	243	243	245	246	247	2.07%	
	Power and Water Resource Pooling Authority	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	0.00%	
	Port of Oakland	84	86	86	86	87	89	90	92	94	97	99	101	103	106	108	110	112	114	116	118	119	121	122	123	124	125	126	127	1.54%		
	Port of Stockton	21	22	22	22	23	23	24	25	26	27	28	30	31	32	33	34	35	36	36	37	37	38	38	39	39	39	39	39	39	2.32%	
	Power Enterprise of the San Francisco PUC	957	1,032	1,080	1,115	1,145	1,173	1,200	1,235	1,268	1,301	1,337	1,377	1,420	1,454	1,485	1,514	1,548	1,574	1,599	1,620	1,640	1,657	1,671	1,684	1,699	1,712	1,725	1,737	2.02%		
	San Jose, City of	0	0	0	0	0	0	0	154	330	488	654	834	1,034	1,197	1,364	1,533	1,707	1,885	1,931	1,982	2,040	2,106	2,179	2,263	2,357	2,464	2,585	2,721	2,875	0.00%	
	Silicon Valley Power	4,392	4,608	5,252	5,599	5,963	6,367	6,793	7,110	7,521	7,852	8,195	8,548	8,980	9,398	9,803	10,163	10,505	10,827	11,137	11,430	11,707	12,002	12,201	12,300	12,381	12,444	12,499	12,545	12,584	12,621	3.97%
	Tuolumne County Public Power Agency	37	38	38	39	40	41	43	45	47	49	51	54	56	59	61	62	64	65	67	68	69	70	71	72	72	73	73	73	2.57%		
	Ukiah, City of	105	106	108	110	115	120	127	135	143	152	161	172	183	192	201	208	215	222	228	234	239	244	248	251	254	258	260	262	3.52%		
	California Department of Water Resources	5,868	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	2,798	0.00%		
	USBR WAPA Central Valley Project	2,655	2,268	2,288</																												

Schedule 3: Form 1.1c - STATEWIDE

*California Energy Demand 2024-2050 Forecast - Planning Forecast with Updated CPUC-Jurisdictional Forecasts
Electricity Deliveries to End Users by Agency (GWh)*

	Rancho Cucamonga Municipal Utility	105	107	109	109	111	115	118	121	124	128	132	136	140	144	147	150	152	154	156	158	159	160	160	161	161	161	161	162	1.59%
	Riverside, City of	2,046	2,087	2,113	2,153	2,219	2,296	2,389	2,488	2,586	2,686	2,791	2,897	3,002	3,083	3,160	3,228	3,290	3,348	3,396	3,444	3,485	3,517	3,545	3,569	3,590	3,612	3,629	3,641	2.16%
	Vernon, City of	1,049	1,021	1,160	1,192	1,481	1,641	1,670	1,694	1,717	1,738	1,758	1,779	1,802	1,814	1,824	1,831	1,838	1,844	1,847	1,850	1,851	1,850	1,848	1,845	1,842	1,839	1,835	1,831	2.27%
	Victorville Municipal Utility Services	105	106	106	106	107	108	109	110	111	112	113	115	116	117	118	119	120	121	121	122	122	123	123	123	124	124	124	124	0.61%
	California Department of Water Resources	4,551	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	2,948	0.00%
	Metropolitan Water District of Southern California	1,277	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	1,798	0.00%
SCE Total		90,397	91,304	92,442	94,043	96,826	100,019	103,570	107,376	111,039	114,805	118,789	123,002	127,278	130,401	133,323	135,932	138,325	140,488	142,351	144,171	145,678	146,744	147,672	148,369	149,016	149,657	150,073	150,379	1.94%
SDG&E	San Diego Gas & Electric Company (Bundled)	4,686	3,459	3,080	3,232	3,431	3,720	3,993	4,294	4,595	4,905	5,232	5,589	6,011	6,345	6,631	6,881	7,111	7,371	7,554	7,729	7,873	7,992	8,096	8,178	8,254	8,327	8,378	8,421	3.48%
	San Diego Gas & Electric Company (Direct Access)	3,802	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	3,942	0.00%
	CCA - Clean Energy Alliance	1,050	1,794	2,311	2,375	2,474	2,612	2,750	2,902	3,042	3,187	3,335	3,494	3,673	3,815	3,938	4,047	4,147	4,256	4,336	4,417	4,484	4,541	4,591	4,632	4,671	4,708	4,734	4,755	3.82%
	CCA - San Diego Community Power	7,445	7,708	7,745	7,882	8,214	8,671	9,130	9,639	10,102	10,581	11,073	11,596	12,183	12,650	13,057	13,416	13,745	14,102	14,368	14,634	14,857	15,043	15,211	15,346	15,473	15,598	15,685	15,754	2.79%
SDG&E Total		16,982	16,903	17,078	17,432	18,061	18,944	19,815	20,777	21,681	22,614	23,582	24,621	25,809	26,752	27,568	28,287	28,945	29,671	30,200	30,722	31,157	31,518	31,840	32,098	32,340	32,575	32,739	32,872	2.59%
Northern California Non-California ISO (NCNC)	Sacramento Municipal Utility District	10,157	10,284	10,403	10,580	10,844	11,182	11,594	12,043	12,482	12,940	13,399	13,862	14,318	14,681	15,015	15,334	15,635	15,913	16,164	16,410	16,627	16,789	16,922	17,031	17,137	17,240	17,317	17,377	2.04%
	Modesto Irrigation District	2,573	2,669	2,683	2,701	2,727	2,762	2,803	2,852	2,900	2,954	3,012	3,077	3,142	3,199	3,248	3,291	3,331	3,366	3,395	3,421	3,442	3,457	3,467	3,476	3,483	3,490	3,495	3,499	1.05%
	Roseville Electric	1,159	1,204	1,210	1,218	1,231	1,251	1,274	1,302	1,328	1,357	1,389	1,423	1,458	1,488	1,513	1,535	1,555	1,573	1,588	1,601	1,612	1,619	1,624	1,629	1,633	1,636	1,639	1,641	1.20%
	Redding Electric Utility	744	774	779	784	794	808	825	845	864	885	909	934	959	981	1,000	1,016	1,031	1,045	1,056	1,066	1,074	1,080	1,084	1,088	1,091	1,094	1,096	1,098	1.35%
	Shasta Lake, City of	216	220	220	220	221	222	223	224	226	227	229	231	233	234	236	237	237	238	238	238	238	238	238	238	237	237	236	236	0.25%
	USBR WAPA Central Valley Project	551	553	555	556	558	560	563	570	574	580	585	590	595	600	604	609	614	619	624	630	633	637	640	643	650	654	658	663	0.69%
	Turlock Irrigation District	2,228	2,334	2,358	2,398	2,455	2,526	2,604	2,694	2,792	2,900	3,027	3,160	3,293	3,400	3,492	3,572	3,642	3,701	3,751	3,795	3,834	3,860	3,879	3,895	3,909	3,924	3,936	3,949	2.04%
	Merced Irrigation District	501	524	531	542	555	571	589	607	629	651	679	708	736	759	779	797	813	826	838	848	856	862	866	870	873	877	880	884	2.03%
NCNC Total		18,130	18,563	18,738	19,000	19,386	19,882	20,476	21,137	21,795	22,494	23,229	23,984	24,734	25,340	25,887	26,392	26,858	27,281	27,655	28,009	28,317	28,542	28,721	28,868	29,014	29,151	29,258	29,345	1.78%
LADWP	Los Angeles Department of Water and Power	20,989	21,028	21,139	21,422	22,078	22,911	23,929	25,047	26,167	27,338	28,594	29,885	31,177	32,155	33,073	33,892	34,657	35,333	35,900	36,449	36,894	37,204	37,460	37,654	37,814	37,974	38,076	38,129	2.32%
Burbank/Glendale	Burbank Water and Power	946	1,034	1,090	1,133	1,182	1,233	1,291	1,360	1,432	1,507	1,589	1,676	1,764	1,837	1,908	1,975	2,040	2,100	2,155	2,211	2,258	2,298	2,336	2,368	2,399	2,432	2,458	2,476	3.42%
	Glendale Water and Power	953	974	990	1,016	1,062	1,119	1,188	1,269	1,351	1,436	1,529	1,626	1,723	1,803	1,880	1,953	2,019	2,083	2,141	2,202	2,251	2,292	2,333	2,367	2,398	2,432	2,457	2,473	3.65%
BUGL Total		1,899	2,008	2,080	2,150	2,244	2,351	2,479	2,629	2,782	2,944	3,117	3,302	3,487	3,641	3,789	3,928	4,059	4,183	4,296	4,414	4,509	4,590	4,669	4,735	4,797	4,864	4,915	4,949	3.53%
IID	Imperial Irrigation District	3,422	3,563	3,588	3,618	3,666	3,720	3,780	3,845	3,908	3,975	4,047	4,118	4,190	4,238	4,287	4,331	4,372	4,413	4,449	4,483	4,513	4,534	4,549	4,561	4,574	4,585	4,594	4,602	0.99%
VEA (CA Territory)		7	7	7	7	7	7	7	7	7	7	8	8	9	10	10	11	12	12	13	13	13	14	14	14	14	14	14	14	2.68%
OTHER Total	Liberty Utilities	539	540	549	562	581	614	645	676	707	733	762	792	822	845	867	886	903	919	932	946	957	965	972	978	984	989	993	996	2.39%
	Needles, City of	70	70	71	72	75	79	83	87	91	95	98	102	106	109	112	114	117	119	120	122	123	125	125	126	127	128	128	129	2.39%
	PacifiCorp	774	775	788	807	835	882	926	971	1,015	1,054	1,095	1,138	1,181	1,214	1,245	1,272	1,297	1,320	1,340	1,358	1,374	1,386	1,397	1,405	1,413	1,421	1,426	1,431	2.39%
	Surprise Valley Electric Cooperative	93	93	95	97	100	106	111	117	122	126	131	137	142	146	149	153	156	158	161	163	165	166	168	169	170	171	171	172	2.39%
	Truckee Donner Public Utility District	166	167	169	173	179	189	199	209	218	226	235	244	254	261	267	273	279	284	288	292	295	298	300	302	304	305	307	307	2.39%
OTHER Total		1,642	1,644	1,672	1,711	1,770	1,870	1,964	2,060	2,154	2,235	2,323	2,413	2,504	2,576	2,640	2,698	2,751	2,800	2,841	2,881	2,915	2,940	2,962	2,980	2,996	3,013	3,025	3,035	2.39%
STATEWIDE Total		242,765	243,048	247,106	252,991	261,713	276,399	290,378	304,574	318,368	330,333	343,370	356,717	370,168	380,735	390,291	398,820	406,744	413,922	419,970	425,861	430,858	434,633	437,877	440,503	442,964	445,407	447,232	448,638	2.39%
Total Pumping Load		12,683	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	8,120	0.00%
STATEWIDE Total Excluding Pumping		230,082	234,927	238,986	244,871	253,593	268,279	282,258	296,453	310,248	322,212	335,249	348,597	362,047	372,615	382,171	390,699	398,623	405,802	411,849	417,740	422,738	426,512	429,757	432,383	434,843	437,286	439,112	440,518	2.45%

This table includes retail sales and other deliveries only measured at the customer level. Losses and consumption served by self-generation are excluded. Table developed based on actual 2023 data.

Table includes sales from

Schedule 4
New Resources in California (Cumulative MW)

Year	Geothermal	Solar	Wind	Storage	Total
2027	338	5,356	4,053	2,031	11,777
2028	675	11,301	8,449	3,974	24,399
2029	761	18,634	15,754	5,601	40,750
2030	848	25,967	23,059	7,227	57,101
2031	1,151	33,300	30,374	8,854	73,678
2032	1,945	35,756	33,409	10,146	81,255
2033	2,739	38,211	36,443	11,438	88,831
2034	3,534	40,666	39,478	12,730	96,407
2035	4,328	43,122	42,512	14,022	103,984
2036	5,123	45,577	45,547	15,314	111,560
2037	5,131	46,961	45,605	18,231	115,929
2038	5,140	48,345	45,663	21,149	120,297
2039	5,149	49,729	45,849	24,066	124,793
2040	5,158	51,113	46,056	26,984	129,311

Schedule 5
GHG Compliance Cost

Year	Nominal \$/Ton
2026	\$ 31.17
2027	\$ 34.52
2028	\$ 38.24
2029	\$ 42.35
2030	\$ 46.91
2031	\$ 51.96
2032	\$ 57.55
2033	\$ 63.75
2034	\$ 70.61
2035	\$ 78.20
2036	\$ 86.62
2037	\$ 95.94
2038	\$ 106.27
2039	\$ 117.71
2040	\$ 130.37

Note: GHG Allowance Price Scenarios 2025 IEPR (mid-price scenario).

Schedule 6 OTC Schedule

Plants	Existing Capacity (MW)	SWRCB		2026 CGR Compliance Dates
		Approved Compliance Dates	Updated Compliance Dates	
Humboldt Bay (1,2)	163	12/31/2010	9/30/2010	Offline
South Bay	708	12/31/2011	12/31/2010	Offline
Potrero (3)	206	10/1/2011	2/28/2011	Offline
Huntington Beach (3,4)	452	12/31/2020	11/1/2012	Offline
Contra Costa (6,7)	674	12/31/2017	4/30/2013	Offline
Haynes (5,6)	535	12/31/2013	6/1/2013	Offline
San Onofre (2,3)	2,246	12/31/2022	6/7/2013	Offline
El Segundo (3)	335	12/31/2015	7/27/2013	Offline
Morro Bay (3,4)	650	12/31/2015	2/5/2014	Offline
El Segundo (4)	335	12/31/2015	12/31/2015	Offline
Scattergood (3)	450	12/31/2015	12/31/2015	Offline
Moss Landing (6,7)	1,510	12/31/2020	12/31/2016	Offline
Pittsburg (5,6,7)	1,307	12/31/2017	12/31/2016	Offline
Encina (1)	104	12/31/2017	3/1/2017	Offline
Mandalay (1,2)	430	12/31/2020	2/5/2018	Offline
Encina (2)	104	12/31/2017	12/31/2018	Offline
Encina (3)	110	12/31/2017	12/31/2018	Offline
Encina (4,5)	628	12/31/2017	12/31/2018	Offline
Redondo (7)	493	12/31/2020	10/1/2019	Offline
Alamitos (1,2,6)	848	12/31/2020	12/31/2019	Offline
Huntington Beach (1)	226	12/31/2020	12/31/2019	Offline
Moss Landing (1,2)	1,020	12/31/2020	12/31/2020	Complied Track 2
Redondo (5,6,8)	850	12/31/2020	12/31/2023	Offline
Alamitos (3,4,5)	1,163	12/31/2020	12/31/2026	12/31/2026
Huntington Beach (2)	226	12/31/2020	12/31/2026	12/31/2026
Ormond Beach (1,2)	1,516	12/31/2020	12/31/2026	12/31/2026
Harbor (5)	229	12/31/2029	12/31/2029	12/31/2029
Haynes (1,2)	444	12/31/2029	12/31/2029	12/31/2029
Haynes (8)	575	12/31/2029	12/31/2029	12/31/2029
Scattergood (1,2)	367	12/31/2024	12/31/2029	12/31/2029
Diablo Canyon (1)	1,120	12/31/2024	10/31/2029	10/31/2029
Diablo Canyon (2)	1,120	12/31/2024	10/31/2030	10/31/2030

Based on State Water Resources Control Board and CPUC Decision last amended on August 15, 2023.

Schedule 7
Annual Base Case EG Throughput (MDTh)
EG Including Large Cogen

Year	SDG&E	SoCalGas	Total
2026	33,132	143,053	176,184
2027	32,820	124,768	157,588
2028	31,836	112,511	144,347
2029	31,135	106,546	137,681
2030	29,674	98,114	127,788
2031	28,391	99,570	127,961
2032	26,164	100,164	126,328
2033	24,522	101,675	126,197
2034	22,650	102,655	125,306
2035	20,637	101,506	122,142
2036	20,637	101,506	122,142
2037	20,637	101,506	122,142
2038	20,637	101,506	122,142
2039	20,637	101,506	122,142
2040	21,498	107,274	128,772

Schedule 8
Annual Dry Hydro EG Throughput (MDTh)
EG Including Large Cogen

Year	SDG&E	SoCalGas	Total
2026	35,816	149,581	185,397
2027	35,688	129,567	165,256
2028	34,915	117,242	152,157
2029	34,196	110,822	145,018
2030	32,781	102,516	135,297
2031	30,846	101,189	132,035
2032	28,855	103,219	132,074
2033	27,233	104,982	132,215
2034	25,001	106,619	131,620
2035	22,652	105,905	128,557
2036	22,652	105,905	128,557
2037	22,652	105,905	128,557
2038	22,652	105,905	128,557
2039	22,652	105,905	128,557
2040	23,484	113,231	136,716

Schedule 9
Base Case Winter Coincidental Peak Day Demand (MDTh/Day)
EG (Including Large Cogen)

Year	SDG&E	SoCalGas	Total
2026	189	849	1,039
2027	187	817	1,004
2028	163	636	800
2029	160	667	827
2030	196	739	935
2031	179	645	825
2032	159	577	736
2033	155	613	768
2034	166	595	761
2035	143	574	716
2036	143	574	716
2037	143	574	716
2038	143	574	716
2039	143	574	716
2040	156	528	684

Schedule 10
 Dry Hydro Summer Coincidental Peak Day Demand (MDTh/Day)
 EG (Including Large Cogen)

Year	SDG&E	SoCalGas	Total
2026	307	1,409	1,716
2027	300	1,396	1,696
2028	290	1,350	1,640
2029	288	1,331	1,619
2030	265	1,202	1,466
2031	258	1,045	1,303
2032	245	1,035	1,280
2033	252	1,026	1,278
2034	253	1,030	1,283
2035	236	1,031	1,267
2036	236	1,031	1,267
2037	236	1,031	1,267
2038	236	1,031	1,267
2039	236	1,031	1,267
2040	219	1,103	1,321

INDUSTRIAL/COMMERCIAL COGENERATION < 20 MW

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.

BASE EQUATION TO FORECAST ANNUAL DEMAND

The base forecast equation for annual demand is shown below:

$$\text{LN}(\text{SmCoGen_MDth/yr}) = 8.1786471 + \text{LN}(\#\text{Cust}) \times (0.3148122) \\ + \text{LN}(G/E) \times (-0.2483620), \text{ where}$$

#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:

$$\text{SmCoGen_MDth/yr} = \text{EXP}[\text{LN}(\text{SmCoGen_MDth/yr})].$$

For example, the calculation of small cogeneration gas demand for 2028 is as follows:

$$\text{LN}[\text{SmCoGen_MDth/yr}] = 8.1786471 + \text{LN}(304) \times 0.3148122 \\ + \text{LN}[(9.779285 \text{ ¢/Kwh})/(20.225662 \text{ ¢/Kwh})] \times (-0.2483620)$$

$$\text{LN}[\text{SmCoGen_MDth/yr}] = 10.158918$$

$$(\text{EXP}[10.158918]) = 25,820.4 \text{ MDth/yr}$$

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

Base Annual Forecast of Small Cogeneration Gas Demand

Year	Annual Load (Mdt)	Cust cnt	LN(Ann. Mdt/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
2026	26,609.6	304	10.189	5.717	-0.848	0.43	19.51	8.36
2027	26,174.0	304	10.173	5.717	-0.781	0.46	20.02	9.16
2028	25,820.4	304	10.159	5.717	-0.727	0.48	20.23	9.78
2029	25,680.9	304	10.154	5.717	-0.705	0.49	20.85	10.30
2030	25,715.8	304	10.155	5.717	-0.710	0.49	21.99	10.81
2031	25,478.3	304	10.146	5.717	-0.673	0.51	22.66	11.56
2032	25,304.4	304	10.139	5.717	-0.645	0.52	23.22	12.18
2033	25,192.1	304	10.134	5.717	-0.628	0.53	23.78	12.70
2034	25,081.4	304	10.130	5.717	-0.610	0.54	24.20	13.15
2035	24,958.0	304	10.125	5.717	-0.590	0.55	24.74	13.72
2036	25,058.1	304	10.129	5.717	-0.606	0.55	25.45	13.88
2037	24,942.5	304	10.124	5.717	-0.587	0.56	25.75	14.31
2038	24,806.1	304	10.119	5.717	-0.565	0.57	26.32	14.95
2039	24,684.6	304	10.114	5.717	-0.546	0.58	26.91	15.59
2040	24,552.9	304	10.109	5.717	-0.524	0.59	27.55	16.31

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

SoCalGas administers a program funded by the State of California to encourage customers to install small capacity electric generation equipment to generate electricity for the customer's own use (not for re-sale into the electric transmission & distribution grid). The table below shows the expected annual gas demand for the noncore (G-50) part of the SGIP:

Noncore SGIP Annual Forecast of Gas Demand

Year	G50 SGIP (Mdth)
2026	0.0
2027	0.0
2028	0.0
2029	0.0
2030	0.0
2031	0.0
2032	0.0
2033	0.0
2034	0.0
2035	0.0
2036	0.0
2037	0.0
2038	0.0
2039	0.0
2040	0.0

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 (2023-2025)
1	Jan	7.967%
2	Feb	7.262%
3	Mar	8.196%
4	Apr	8.137%
5	May	8.571%
6	Jun	8.109%
7	Jul	8.785%
8	Aug	8.749%
9	Sep	8.563%
10	Oct	8.618%
11	Nov	8.393%
12	Dec	8.650%
	Total	100.000%

FORECAST RESULTS

Based on the year 2028 example above. The final annual forecast is:

$$\begin{aligned}\text{SmCoGen_G-50} &= 25,820.4 \text{ MDth/yr (base forecast)} + 0 \text{ MDth/yr (from G-50 SGIP)} \\ &= 25,820.4 \text{ MDth}\end{aligned}$$

Together with the monthly percentages of annual total load in the table above, the August 2028 small cogeneration (G-50) gas demand is calculated as:

$$\begin{aligned}\text{SmCoGen_G-50} &= 25,820.4 \text{ MDth} \times 8.749\% \text{ (August monthly \% of annual)} \\ &= 2,259 \text{ MDth}\end{aligned}$$

The tables below provide the small cogeneration annual and monthly gas demand forecasts. Recorded data are for year 2025, while forecasts cover years from 2026 through 2040.

**Annual Small Cogeneration / Self-Generation (C&I) Gas Demand:
Recorded (2023) and
Forecast (2024-2040) (MDth)**

Year	Small Cogen (C&I) (G-50) Gas Demand (MDth)
2025	25,035
2026	26,610
2027	26,174
2028	25,820
2029	25,681
2030	25,716
2031	25,478
2032	25,304
2033	25,192
2034	25,081
2035	24,958
2036	25,058
2037	24,942
2038	24,806
2039	24,685
2040	24,553

**Monthly Small Cogeneration / Self-Generation (C&I) Gas Demand:
Recorded (2025) and
Forecast (2026-2040) (MDth)**

Year	Month	Small Cogen (C&I) (G-50) Gas Demand (MDth)
2025	Jan-25	1,994
2025	Feb-25	1,818
2025	Mar-25	2,052
2025	Apr-25	2,037
2025	May-25	2,146
2025	Jun-25	2,030
2025	Jul-25	2,199
2025	Aug-25	2,190
2025	Sep-25	2,144
2025	Oct-25	2,158
2025	Nov-25	2,101
2025	Dec-25	2,165
2026	Jan-26	2,120
2026	Feb-26	1,932
2026	Mar-26	2,181
2026	Apr-26	2,165
2026	May-26	2,281
2026	Jun-26	2,158
2026	Jul-26	2,338
2026	Aug-26	2,328
2026	Sep-26	2,279
2026	Oct-26	2,293
2026	Nov-26	2,233
2026	Dec-26	2,302
2027	Jan-27	2,085
2027	Feb-27	1,901
2027	Mar-27	2,145
2027	Apr-27	2,130
2027	May-27	2,243
2027	Jun-27	2,122
2027	Jul-27	2,299
2027	Aug-27	2,290
2027	Sep-27	2,241
2027	Oct-27	2,256
2027	Nov-27	2,197
2027	Dec-27	2,264
2028	Jan-28	2,057
2028	Feb-28	1,875
2028	Mar-28	2,116
2028	Apr-28	2,101
2028	May-28	2,213
2028	Jun-28	2,094
2028	Jul-28	2,268
2028	Aug-28	2,259
2028	Sep-28	2,211
2028	Oct-28	2,225
2028	Nov-28	2,167
2028	Dec-28	2,233
2029	Jan-29	2,046
2029	Feb-29	1,865
2029	Mar-29	2,105
2029	Apr-29	2,090
2029	May-29	2,201
2029	Jun-29	2,082
2029	Jul-29	2,256
2029	Aug-29	2,247
2029	Sep-29	2,199
2029	Oct-29	2,213
2029	Nov-29	2,155
2029	Dec-29	2,221

**Monthly Small Cogeneration / Self-Generation (C&I) Gas Demand:
Recorded (2025) and
Forecast (2026-2040) (MDth)**

Year	Month	Small Cogen (C&I) (G-50) Gas Demand (MDth)
2030	Jan-30	2,049
2030	Feb-30	1,868
2030	Mar-30	2,108
2030	Apr-30	2,093
2030	May-30	2,204
2030	Jun-30	2,085
2030	Jul-30	2,259
2030	Aug-30	2,250
2030	Sep-30	2,202
2030	Oct-30	2,216
2030	Nov-30	2,158
2030	Dec-30	2,224
2031	Jan-31	2,030
2031	Feb-31	1,850
2031	Mar-31	2,088
2031	Apr-31	2,073
2031	May-31	2,184
2031	Jun-31	2,066
2031	Jul-31	2,238
2031	Aug-31	2,229
2031	Sep-31	2,182
2031	Oct-31	2,196
2031	Nov-31	2,138
2031	Dec-31	2,204
2032	Jan-32	2,016
2032	Feb-32	1,838
2032	Mar-32	2,074
2032	Apr-32	2,059
2032	May-32	2,169
2032	Jun-32	2,052
2032	Jul-32	2,223
2032	Aug-32	2,214
2032	Sep-32	2,167
2032	Oct-32	2,181
2032	Nov-32	2,124
2032	Dec-32	2,189
2033	Jan-33	2,007
2033	Feb-33	1,830
2033	Mar-33	2,065
2033	Apr-33	2,050
2033	May-33	2,159
2033	Jun-33	2,043
2033	Jul-33	2,213
2033	Aug-33	2,204
2033	Sep-33	2,157
2033	Oct-33	2,171
2033	Nov-33	2,114
2033	Dec-33	2,179
2034	Jan-34	1,998
2034	Feb-34	1,821
2034	Mar-34	2,056
2034	Apr-34	2,041
2034	May-34	2,150
2034	Jun-34	2,034
2034	Jul-34	2,203
2034	Aug-34	2,194
2034	Sep-34	2,148
2034	Oct-34	2,162
2034	Nov-34	2,105
2034	Dec-34	2,169

**Monthly Small Cogeneration / Self-Generation (C&I) Gas Demand:
Recorded (2025) and
Forecast (2026-2040) (MDth)**

Year	Month	Small Cogen (C&I) (G-50) Gas Demand (MDth)
2035	Jan-35	1,988
2035	Feb-35	1,813
2035	Mar-35	2,046
2035	Apr-35	2,031
2035	May-35	2,139
2035	Jun-35	2,024
2035	Jul-35	2,192
2035	Aug-35	2,184
2035	Sep-35	2,137
2035	Oct-35	2,151
2035	Nov-35	2,095
2035	Dec-35	2,159
2036	Jan-36	1,996
2036	Feb-36	1,820
2036	Mar-36	2,054
2036	Apr-36	2,039
2036	May-36	2,148
2036	Jun-36	2,032
2036	Jul-36	2,201
2036	Aug-36	2,192
2036	Sep-36	2,146
2036	Oct-36	2,160
2036	Nov-36	2,103
2036	Dec-36	2,167
2037	Jan-37	1,987
2037	Feb-37	1,811
2037	Mar-37	2,044
2037	Apr-37	2,030
2037	May-37	2,138
2037	Jun-37	2,022
2037	Jul-37	2,191
2037	Aug-37	2,182
2037	Sep-37	2,136
2037	Oct-37	2,150
2037	Nov-37	2,093
2037	Dec-37	2,157
2038	Jan-38	1,976
2038	Feb-38	1,801
2038	Mar-38	2,033
2038	Apr-38	2,019
2038	May-38	2,126
2038	Jun-38	2,011
2038	Jul-38	2,179
2038	Aug-38	2,170
2038	Sep-38	2,124
2038	Oct-38	2,138
2038	Nov-38	2,082
2038	Dec-38	2,146
2039	Jan-39	1,967
2039	Feb-39	1,793
2039	Mar-39	2,023
2039	Apr-39	2,009
2039	May-39	2,116
2039	Jun-39	2,002
2039	Jul-39	2,168
2039	Aug-39	2,160
2039	Sep-39	2,114
2039	Oct-39	2,127
2039	Nov-39	2,072
2039	Dec-39	2,135

**Monthly Small Cogeneration / Self-Generation (C&I) Gas Demand:
Recorded (2025) and
Forecast (2026-2040) (MDth)**

		Small Cogen (C&I) (G-50) Gas Demand
Year	Month	(MDth)
2040	Jan-40	1,956
2040	Feb-40	1,783
2040	Mar-40	2,012
2040	Apr-40	1,998
2040	May-40	2,105
2040	Jun-40	1,991
2040	Jul-40	2,157
2040	Aug-40	2,148
2040	Sep-40	2,102
2040	Oct-40	2,116
2040	Nov-40	2,061
2040	Dec-40	2,124

INDUSTRIAL/COMMERCIAL COGENERATION > 20 MW

PLEASE REFER TO THE NON-COGENERATION EG SECTION OF THE WORKPAPERS FOR THE DESCRIPTION OF THE DETAILS FOR THE INDUSTRIAL/COMMERCIAL COGEN MARKET.

ENHANCED OIL RECOVERY-RELATED COGENERATION

Please refer to the earlier the Enhanced Oil Recovery – Steam and Cogeneration section for details about the enhanced oil recovery market.

REFINERY RELATED COGENERATION

Please see the earlier discussion under Refineries for the refineries-related cogeneration demand.

WHOLESALE AND INTERNATIONAL REQUIREMENTS

SAN DIEGO GAS & ELECTRIC (SDG&E)

For details about SDG&E, please refer to the 2024 California Gas Report workpapers filed separately by SDG&E.

CITY OF LONG BEACH UTILITIES DEPARTMENT

City of Long Beach Wholesale Gas Demand

2026 CALIFORNIA GAS REPORT WORKPAPERS

The forecasted wholesale gas demand provided by the Long Beach Gas and Oil Department is shown on the following two tables. The first table is average year weather conditions; the second table is cold year weather conditions. Years 2026 through 2040 are forecasts.

Confidential and Protected Materials Pursuant to PUC Section 583, GO 66-D and D. 17-09-023

SCG 2026CGR Demand Forecast for Long Beach

CORE and NONCORE Monthly Demand under Average Year conditions for 2026CGR w/ and w/o Local Production

v3/25/2026

[illegible]

Confidential and Protected Materials Pursuant to PUC Section 583, GO 66-D and D. 17-09-023

SCG 2026CGR Demand Forecast for Long Beach
 CORE and NONCORE Monthly Demand under Cold Year conditions for 2026CGR w/ and w/o Local Production
 v3/25/2026

year	CORE Monthly Demand Mdth/month													NONCORE Monthly Demand Mdth/month													CORE & NONCORE Monthly Demand Mdth/month													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL	
2026																																								
2027																																								
2028																																								
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SOUTHWEST GAS CORPORATION

Southwest Gas Corporation - Southern California Division

2026 CALIFORNIA GAS REPORT WORKPAPERS

The forecasted wholesale gas demand provided by Southwest Gas Corporation (Southwest) for their Southern California Division is in the following tables. Table 1 is average year weather conditions. Table 2 is cold year weather conditions. Years 2026 through 2040 are forecasts.

[illegible]

Noncore thru PGE xchg	2038		forecast
Core from SCG	2039		forecast
Noncore from SCG	2039		forecast
Core from PGE xchg	2039		forecast
Noncore thru PGE xchg	2039		forecast
Core from SCG	2040		forecast
Noncore from SCG	2040		forecast
Core from PGE xchg	2040		forecast
Noncore thru PGE xchg	2040		forecast

	Mdth/year	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL	actual/ forecast
2024Core from SCG	Core from SCG	2024														actual
2024Noncore from SCG	Noncore from SCG	2024														actual
2024Core from PGE xchg	Core from PGE xchg	2024														actual
2024Noncore thru PGE xchg	Noncore thru PGE xchg	2024														actual
2025Core from SCG	Core from SCG	2025														actual
2025Noncore from SCG	Noncore from SCG	2025														actual
2025Core from PGE xchg	Core from PGE xchg	2025														actual
2025Noncore thru PGE xchg	Noncore thru PGE xchg	2025														actual
2026Core from SCG	Core from SCG	2026														forecast
2026Noncore from SCG	Noncore from SCG	2026														forecast
2026Core from PGE xchg	Core from PGE xchg	2026														forecast
2026Noncore thru PGE xchg	Noncore thru PGE xchg	2026														forecast
2027Core from SCG	Core from SCG	2027														forecast
2027Noncore from SCG	Noncore from SCG	2027														forecast
2027Core from PGE xchg	Core from PGE xchg	2027														forecast
2027Noncore thru PGE xchg	Noncore thru PGE xchg	2027														forecast
2028Core from SCG	Core from SCG	2028														forecast
2028Noncore from SCG	Noncore from SCG	2028														forecast
2028Core from PGE xchg	Core from PGE xchg	2028														forecast
2028Noncore thru PGE xchg	Noncore thru PGE xchg	2028														forecast
2029Core from SCG	Core from SCG	2029														forecast
2029Noncore from SCG	Noncore from SCG	2029														forecast
2029Core from PGE xchg	Core from PGE xchg	2029														forecast
2029Noncore thru PGE xchg	Noncore thru PGE xchg	2029														forecast
2030Core from SCG	Core from SCG	2030														forecast
2030Noncore from SCG	Noncore from SCG	2030														forecast
2030Core from PGE xchg	Core from PGE xchg	2030														forecast
2030Noncore thru PGE xchg	Noncore thru PGE xchg	2030														forecast
2031Core from SCG	Core from SCG	2031														forecast
2031Noncore from SCG	Noncore from SCG	2031														forecast
2031Core from PGE xchg	Core from PGE xchg	2031														forecast
2031Noncore thru PGE xchg	Noncore thru PGE xchg	2031														forecast
2032Core from SCG	Core from SCG	2032														forecast
2032Noncore from SCG	Noncore from SCG	2032														forecast
2032Core from PGE xchg	Core from PGE xchg	2032														forecast
2032Noncore thru PGE xchg	Noncore thru PGE xchg	2032														forecast
2033Core from SCG	Core from SCG	2033														forecast
2033Noncore from SCG	Noncore from SCG	2033														forecast
2033Core from PGE xchg	Core from PGE xchg	2033														forecast
2033Noncore thru PGE xchg	Noncore thru PGE xchg	2033														forecast
2034Core from SCG	Core from SCG	2034														forecast
2034Noncore from SCG	Noncore from SCG	2034														forecast
2034Core from PGE xchg	Core from PGE xchg	2034														forecast
2034Noncore thru PGE xchg	Noncore thru PGE xchg	2034														forecast
2035Core from SCG	Core from SCG	2035														forecast
2035Noncore from SCG	Noncore from SCG	2035														forecast
2035Core from PGE xchg	Core from PGE xchg	2035														forecast
2035Noncore thru PGE xchg	Noncore thru PGE xchg	2035														forecast
2036Core from SCG	Core from SCG	2036	forecast													
2036Noncore from SCG	Noncore from SCG	2036	forecast													
2036Core from PGE xchg	Core from PGE xchg	2036	forecast													
2036Noncore thru PGE xchg	Noncore thru PGE xchg	2036	forecast													
2037Core from SCG	Core from SCG	2037	forecast													
2037Noncore from SCG	Noncore from SCG	2037	forecast													
2037Core from PGE xchg	Core from PGE xchg	2037	forecast													
2037Noncore thru PGE xchg	Noncore thru PGE xchg	2037	forecast													
2038Core from SCG	Core from SCG	2038	forecast													
2038Noncore from SCG	Noncore from SCG	2038	forecast													
2038Core from PGE xchg	Core from PGE xchg	2038	forecast													
2038Noncore thru PGE xchg	Noncore thru PGE xchg	2038	forecast													
2039Core from SCG	Core from SCG	2039	forecast													
2039Noncore from SCG	Noncore from SCG	2039	forecast													
2039Core from PGE xchg	Core from PGE xchg	2039	forecast													

2039Noncore thru PGE xchg	Noncore thru PGE xchg	2039		forecast
2040Core from SCG	Core from SCG	2040		forecast
2040Noncore from SCG	Noncore from SCG	2040		forecast
2040Core from PGE xchg	Core from PGE xchg	2040		forecast
2040Noncore thru PGE xchg	Noncore thru PGE xchg	2040		forecast

CITY OF VERNON

City of Vernon Wholesale Gas Demand

2026 CALIFORNIA GAS REPORT

WORKPAPERS

The forecasted wholesale gas demand for 2026 was provided by the City of Vernon, adjusted by the forecasted migration of customers from SoCalGas to the City of Vernon through 2040. The breakdown between Core, Noncore, and Utility (or Electric Generation) is based upon historical demand.

Core/ NonCore	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual MDth	Dec Average Day Dth/day
C	2024														
N	2024														
C	2025														
N	2025														
C	2026														
N	2026														
C	2027														
N	2027														
C	2028														
N	2028														
C	2029														
N	2029														
C	2030														
N	2030														
C	2031														
N	2031														
C	2032														
N	2032														
C	2033														
N	2033														
C	2034														
N	2034														
C	2035														

N 2035

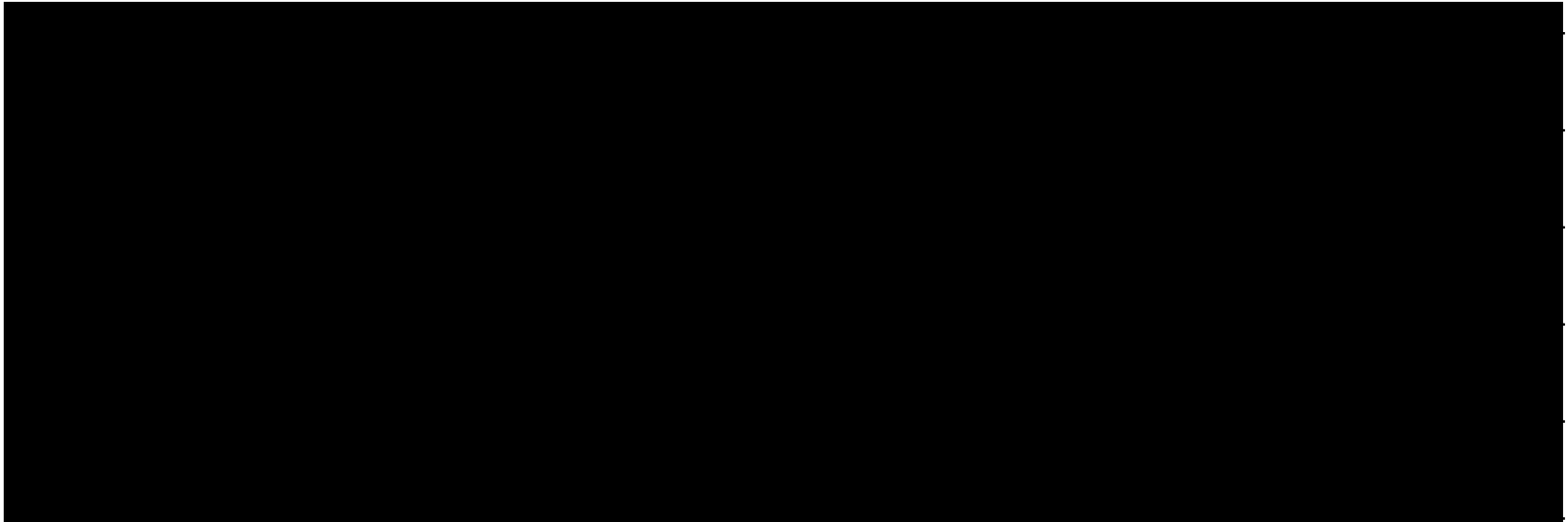
C 2036
N 2036

C 2037
N 2037

C 2038
N 2038

C 2039
N 2039

C 2040
N 2040



ECOGAS

ECOGAS Mexico, S. de R.L. de C.V. International/Wholesale Gas Demand

2026 CALIFORNIA GAS REPORT WORKPAPERS

The forecasted international wholesale gas demand by Ecogas is shown below summarized by year and month for 2026 through 2040. The forecasted demand is expected to increase over the forecast period.

SoCalGas 2026CGR

Dth/month Analysis

ECOGAS Demand Forecast Mdth

v3-23-2026

Core/Non-Core and EG

													2026 CGR
													Forecast Mdth/
YEAR	MDTH1	MDTH2	MDTH3	MDTH4	MDTH5	MDTH6	MDTH7	MDTH8	MDTH9	MDTH10	MDTH11	MDTH12	year
2024													
2025													
2026													
2027													
2028													
2029													
2030													
2031													
2032													
2033													
2034													
2035													
2036													
2037													
2038													
2039													
2040													

CORE PEAK DAY FORECAST

2026-CGR Sales + Transport + Exchange for Month of DECEMBER
(units=Mdth/Day)
"1-in-2" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2025	2026	2027	2028	2029	2030	2031	2032	2033	2035	2040
		----	----	----	----	----	----	----	----	----	----	----
1	RESIDEN	1782.6	1774.1	1762.4	1750.4	1738.4	1727.7	1716.6	1706.1	1698.1	1682.5	1652.3
2	Com G10	432.6	427.4	421.1	415.4	410.0	406.4	402.4	398.6	395.1	388.2	372.6
2	GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	GEN <u>2/</u>	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
3	Ind G10	65.5	64.3	63.4	62.6	61.8	61.1	60.3	59.6	58.9	57.5	54.1
4	NGV <u>2/</u>	59.4	62.4	64.6	65.9	66.2	65.6	64.0	61.4	58.0	49.4	66.4
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total:	MDth/day	2342.5	2330.6	2313.9	2296.7	2278.8	2263.2	2245.7	2228.1	2212.4	2180.0	2147.9
	MMcf/day <u>4/</u>	2283.2	2271.6	2255.3	2238.5	2221.1	2205.9	2188.8	2171.7	2156.4	2124.8	2093.5
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
	Hdd: December--AvgYr =	270.5	269.1	267.6	266.2	264.7	263.3	261.8	260.4	259.0	256.1	248.8
	Hdd: December--ColdYr =	322.4	321.0	319.5	318.1	316.7	315.2	313.8	312.3	310.9	308.0	300.8
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2026-CGR Res and C&I Calculations

Notes:

1/ = ("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")]
* [(65 degF - 45.8 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf= 1.0260

2026-CGR Sales + Transport + Exchange for Month of DECEMBER
(units=Mdth/Day)
"1-in-10" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2025	2026	2027	2028	2029	2030	2031	2032	2033	2035	2040
		----	----	----	----	----	----	----	----	----	----	----
1	RESIDEN	2035.9	2027.9	2016.1	2004.3	1992.5	1982.1	1971.1	1960.8	1953.0	1938.0	1909.0
2	Com G10	478.6	473.4	466.9	461.0	455.4	451.7	447.5	443.6	439.9	432.8	416.6
2	GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	GEN <u>2/</u>	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
3	Ind G10	68.7	67.5	66.6	65.7	64.9	64.1	63.3	62.6	61.8	60.4	56.8
4	NGV <u>2/</u>	59.4	62.4	64.6	65.9	66.2	65.6	64.0	61.4	58.0	49.4	66.4
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total:	MDth/day	2645.0	2633.5	2616.6	2599.3	2581.5	2565.9	2548.3	2530.7	2515.2	2482.9	2451.2
	MMcf/day <u>4/</u>	2578.0	2566.8	2550.3	2533.5	2516.1	2500.9	2483.8	2466.6	2451.5	2420.1	2389.2
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
	Hdd: December--AvgYr =	270.5	269.1	267.6	266.2	264.7	263.3	261.8	260.4	259.0	256.1	248.8
	Hdd: December--ColdYr =	322.4	321.0	319.5	318.1	316.7	315.2	313.8	312.3	310.9	308.0	300.8
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2026-CGR Res and C&I Calculations

Notes:

1/ = ("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")]
* [(65 degF - 42.3 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf= 1.0260

2026-CGR Sales + Transport + Exchange for Month of DECEMBER
(units=Mdth/Day)
"1-in-35" Likelihood Cold Day Temperature

No. "CGR_B"	CLASS	2025	2026	2027	2028	2029	2030	2031	2032	2033	2035	2040
		----	----	----	----	----	----	----	----	----	----	----
1	RESIDEN	2159.0	2151.1	2139.4	2127.6	2116.0	2105.6	2094.7	2084.5	2076.9	2062.1	2033.6
2	Com G10	501.0	495.7	489.1	483.1	477.5	473.7	469.4	465.4	461.7	454.4	438.0
2	GAC <u>2/</u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	GEN <u>2/</u>	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
3	Ind G10	70.3	69.0	68.1	67.2	66.4	65.6	64.8	64.0	63.2	61.8	58.2
4	NGV <u>2/</u>	59.4	62.4	64.6	65.9	66.2	65.6	64.0	61.4	58.0	49.4	66.4
		=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Total:	MDth/day	2791.9	2780.6	2763.6	2746.3	2728.5	2713.0	2695.3	2677.7	2662.2	2630.1	2598.6
	MMcf/day <u>4/</u>	2721.2	2710.2	2693.6	2676.7	2659.4	2644.3	2627.0	2609.9	2594.8	2563.5	2532.8
	Days per Mo	31	31	31	31	31	31	31	31	31	31	31
	Pk-Day Temp. (deg-F) =	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
	Hdd: December--AvgYr =	270.5	269.1	267.6	266.2	264.7	263.3	261.8	260.4	259.0	256.1	248.8
	Hdd: December--ColdYr =	322.4	321.0	319.5	318.1	316.7	315.2	313.8	312.3	310.9	308.0	300.8
	"Wkday/Wkend" Factor-Res:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	"Wkday/Wkend" Factor-NonRes:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Use this Methodology for the 2026-CGR Res and C&I Calculations

Notes:

1/ = ("Avg-Dec" / 31 days) + {["Cold-Dec" - "Avg-Dec"] / ("Cold-Dec-Hdd" - "Avg-Dec-Hdd")]
* [(65 degF - 40.6 degF) - (Avg-Dec-Hdd / 31 days)]}

2/ "Non-temperature" sensitive market segment.

3/ "Weekday/Weekend" Factor applies to the "raw" estimate.

4/ Dth/Mcf = 1.0260

2026-CGR Sales + Transport + Exchange for Month of DECEMBER
(units=Mdth/Day)
Temp=December, Average Year

No. "CGR_CLASS	2025	2026	2027	2028	2029	2030	2031	2032	2033	2035	2040
	----	----	----	----	----	----	----	----	----	----	----
1 Residen	31764.9	31351.3	30883.0	30391.7	29895.4	29437.9	28977.6	28525.6	28145.7	27399.4	25825.8
2 Com G10	9144.7	8964.6	8771.8	8591.4	8418.5	8301.6	8175.9	8056.3	7941.4	7715.1	7194.4
2 GAC	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2 GEN	72.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
3 Ind G10	1732.4	1695.5	1671.4	1648.6	1626.6	1605.3	1583.3	1562.2	1541.9	1502.0	1406.3
4 NGV	1840.0	1934.9	2002.0	2042.5	2053.2	2033.3	1983.4	1902.9	1797.6	1530.9	2059.4
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	44554	44021	43403	42749	42068	41453	40795	40122	39501	38222	36561

2026-CGR Sales + Transport + Exchange for Month of DECEMBER
(units=Mdth/Day)
Temp=December, Cold Year

No. "CGR_CLASS	2025	2026	2027	2028	2029	2030	2031	2032	2033	2035	2040
	----	----	----	----	----	----	----	----	----	----	----
1 Residen	35522.0	35115.4	34647.0	34158.1	33664.9	33210.8	32752.2	32303.3	31927.6	31189.3	29632.3
2 Com G10	9827.0	9646.6	9450.5	9267.5	9092.5	8973.6	8845.2	8723.2	8606.3	8376.2	7847.3
2 GAC	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2 GEN	72.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
3 Ind G10	1780.1	1742.7	1718.0	1694.8	1672.3	1650.5	1628.0	1606.4	1585.6	1544.8	1446.9
4 NGV	1840.0	1934.9	2002.0	2042.5	2053.2	2033.3	1983.4	1902.9	1797.6	1530.9	2059.4
	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
	49041	48514	47892	47237	46557	45943	45283	44610	43992	42716	41060
Mdth/Hdd	86.4	86.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.7

WEATHER

Weather for SoCalGas: Heating Degree Days –Average and Cold Year Designs; and Winter Peak Day Design Temperatures

July 2026

I. Overview

Southern California Gas Company's service area extends from Fresno County to the Mexican border. To quantify the overall temperature experienced within this region, SoCalGas aggregates daily temperature recordings from fifteen U.S. Weather Bureau weather stations first into six temperature zones and then into one system average heating degree-day ("HDD") figure. The table below lists weather station locations by temperature zones.

Table 1

Weather Stations by Temperature Zones and Weights

Temperature Zone	Weight	Station (After 10/31/2002)	Station (Before 11/1/2002)
1. High mountain	0.0058	Big Bear Lake	Lake Arrowhead
2. Low desert	0.0393	Palm Springs	Palm Springs
		El Centro	Brawley
3. Coastal	0.1822	Los Angeles Airport	Los Angeles Airport
		Newport Beach	Newport Beach Harbor
		Santa Barbara Airport	Santa Barbara Airport
4. High desert	0.0745	Bakersfield	Bakersfield Airport
		Lancaster Airport	Palmdale
		Fresno	Visalia
5. Interior valleys	0.3869	Burbank	Burbank
		Pasadena	Pasadena
		Ontario	Pomona Cal Poly
		Rialto	Redlands
6. Basin	0.3114	Los Angeles Civic Center	Los Angeles Civic Center/ Downtown-USC
		Santa Ana	Santa Ana

SoCalGas uses 65° Fahrenheit to calculate the number of HDDs. One heating degree day is accumulated for each degree that the daily average is below 65° Fahrenheit. To arrive at the HDD figure for each temperature zone, SoCalGas uses the simple average of the weather station HDDs in that temperature zone. To arrive at the system average HDDs figure for its entire service area, SoCalGas weights the HDD figure for each zone using the proportion of gas customers within each temperature zone based on 2025 customer counts. These weights have been used in calculating the data shown from January 2006 to December 2025.

Daily weather temperatures are from the National Climatic Data Center or from preliminary data that SoCalGas captures each day for various individual weather stations as well as for its system average values of HDD. Annual and monthly HDDs for the entire service area from 2006 to 2025 are listed in Table 2, below.

Table 2
Calendar Month Heating Degree-Days (Jan. 2006 through Dec. 2025)

<u>Year</u>	<u>Month</u>												<u>Total</u> <u>"Cal-Year"</u>
	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	
2006	273	200	338	162	28	3	0	1	5	36	105	280	1432
2007	348	216	126	116	49	16	1	1	12	36	126	355	1401
2008	347	263	148	124	76	8	1	0	2	23	75	334	1402
2009	197	259	195	135	18	15	3	4	1	44	118	321	1310
2010	254	222	174	163	71	14	8	9	13	42	203	271	1445
2011	252	307	213	105	80	26	2	4	5	39	207	350	1590
2012	223	237	223	118	38	11	5	1	1	16	111	301	1286
2013	330	264	125	66	16	4	1	2	2	44	103	257	1215
2014	142	147	90	76	19	4	0	1	1	5	66	224	776
2015	182	94	64	67	69	4	1	0	1	4	163	318	967
2016	282	112	113	54	45	7	1	1	3	14	111	270	1014
2017	321	208	100	44	50	6	1	0	4	12	51	176	972
2018	155	211	181	70	56	6	0	0	1	10	79	248	1019
2019	263	349	165	53	76	9	2	1	3	23	125	265	1336
2020	242	175	205	108	11	3	2	2	1	10	149	238	1146
2021	259	180	232	75	37	7	0	1	9	41	74	338	1253
2022	240	204	136	74	40	3	1	0	3	13	190	303	1209
2023	341	313	298	125	76	20	2	0	2	14	85	174	1451
2024	269	253	211	126	50	8	3	0	4	19	159	231	1333
2025	289	166	231	123	42	6	3	2	1	22	105	158	1148
20-Yr-Avg (Jan 2006 - Dec 2025)													
Avg.	260.5	219.1	178.3	99.2	47.4	9.1	1.9	1.4	3.8	23.6	120.3	270.6	1235.3
St.Dev.	60.4	64.8	69.0	36.0	22.1	6.2	2.0	2.1	3.6	13.9	45.5	58.6	205.6
Min.	141.8	94.2	63.8	43.7	11.0	3.2	0.1	0.1	0.7	4.3	50.5	158.2	776.1
Max.	348.3	349.5	338.0	162.7	80.1	26.5	8.3	9.2	13.4	44.4	206.7	354.7	1590.3

II. Calculations to Define Our Average-Temperature Year

The simple average of the 20-year period (January 2006 through December 2025) was used to represent the Average Year total and the individual monthly values for HDD. In this CGR, the standard deviation has been calculated using an approach that compensates for the annual HDD values for the years 2014-2018 in SoCalGas' service territory being dramatically lower than in any preceding year going back to 1950¹. A regression with a time trend and a dummy variable for the years 2014-2018 has been used to estimate a shift in the level of annual HDD that occurred beginning in 2014. A dummy variable takes the value one for some observations to indicate the presence of an effect or membership in a group and zero for the remaining observations. Estimating the effect of the dummy variable gives an estimate of that effect or the impact of membership in that group. A dummy variable is used here to estimate the average effect on annual HDD of a given year having membership in the group of years 2014-2018. The dataset is SoCalGas system-wide annual HDD for the years 2006-2025. The regression equation is:

$$HDD_t = \alpha + \beta * t + \beta_{2014-2018} * D_{2014-2018} + \varepsilon$$

where $D_{2014-2018}$ is a dummy variable for the years 2014-2018 and $\beta_{2014-2018}$ is the corresponding dummy coefficient. This regression equation estimates average HDD over the period 2006-2025 controlling for time trends in HDD and the warm weather regime of years 2014-2018. It's important to note that p-value for the estimate of $\beta_{2014-2018}$ is less than 0.001%, indicating an extremely low probability that membership in the group of years 2014-2018 had no effect on annual HDDs. Please see table 3 below for the full regression output.

¹ The same approach to control warm weather regime from 2014 to 2018 when estimating standard deviation was used in CGR 2020, CGR 2022 and CGR 2024.

Table 3**Dummy Regression for Calculation of Heating Degree-Day Standard Deviation**

<i>Regression Statistics</i>	
Multiple R	0.858891063
R Square	0.737693859
Adjusted R Square	0.706834313
Standard Error	111.3067672
Observations	20

<i>ANOVA</i>					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	2	592324.5996	296162.2998	23.90488372	1.14781E-05
Residual	17	210616.3391	12389.19642		
Total	19	802940.9387			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>
Intercept	1418.79	53.11	26.72	0.0000000
Time	-8.54	4.32	-1.98	0.0644726
Regime Dummy	-375.14	57.55	-6.52	0.0000053

The dummy variable's estimated effect, $\beta_{2014-2018}$, is subtracted from the actual annual HDD data for years 2014-2018 to adjust the data to remove the level shift. The standard deviation has been calculated using this adjusted dataset. This standard deviation has been used to design the two Cold Years based on a "1-in-10" and "1-in-35" chance, c , that the respective annual "Cold Year" hdd_c value would be exceeded.

A probability model for the annual HDD is based on a t-Distribution with N-1 degrees of freedom, where N is the number of years of HDD data we use, μ is the average of the last 20 years of HDD, and S_{20} is the average of the standard deviations of the 20 most recent 20-year periods:

$$U = (HDD_y - \mu)/S_{20}, \text{ has a t-Distribution with N-1 degrees of freedom.}$$

III. Calculating the Cold-Temperature Year Weather Designs

Cold Year HDD Weather Designs

For SoCalGas, cold-temperature-year HDD weather designs are developed with a 1-in-35 annual chance of occurrence. In terms of probabilities this can be expressed as the following for a "1-in-35" cold-year HDD value in equation 1 and a "1-in-10" cold-year HDD value in equation 2, with Annual HDD as the random variable:

$$(1) \quad \text{Prob} \{ \text{Annual HDD} > \text{"1-in-35" Cold-Yr HDD} \} = 1/35 = 0.0286$$

$$(2) \quad \text{Prob} \{ \text{Annual HDD} > \text{"1-in-10" Cold-Yr HDD} \} = 1/10 = 0.1000$$

An area of 0.0286 under one tail of the T-Distribution translates to 2.025 standard deviations above an average-year based on a t-statistic with 19 degrees of freedom. Using the standard deviation calculated as described earlier, which is 116.8 HDD, these equations yield values of about 1,472 HDDs for a “1-in-35” cold year and 1,390 HDDs for a “1-in-10” cold year. (An area of 0.1000 under one tail of the T-Distribution translates to 1.328 standard deviations above an average-year based on a t-statistic with 19 degrees of freedom.) For example, the “1-in-35” cold-year HDD is calculated as follows:

$$(3) \quad \text{Cold-year HDD} = 1,472, \text{ which equals approximately } 1,235 \text{ average-year HDDs} + 2.025 * 116.8$$

Table 4 shows monthly HDD figures for “1-in-35” cold year, “1-in-10” cold year and, average year temperature designs. The monthly average-temperature-year HDDs are calculated from weighted monthly HDDs from 2006 to 2025, as shown as the bottom of Table 2, above. For example, the average-year December value of 270.5 HDD equals the simple average of the twenty December HDD figures from 2006 to 2025. SoCalGas calculates the cold--temperature-year monthly HDD values using the same distribution of average-year HDDs. For example, 21.9 percent ($270.5 / 1235$) of average-temperature-year HDDs occurred in December, so the estimated number of HDDs during December for a 1-in-35 cold-year is equal to 1,472 HDDs multiplied by 21.9 percent, or 322.4 HDDs.

Table 4

Calendar Month Heating Degree-Day Designs

	<u>Cold</u>		<u>Average</u>	<u>Hot</u>	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
January	310.5	293.2	260.5	227.8	210.5
February	261.1	246.6	219.1	191.6	177.0
March	212.5	200.6	178.3	155.9	144.1
April	118.2	111.6	99.2	86.7	80.1
May	56.5	53.4	47.4	41.5	38.3
June	10.9	10.3	9.1	8.0	7.4
July	2.2	2.1	1.9	1.6	1.5
August	1.7	1.6	1.4	1.3	1.2
September	4.6	4.3	3.8	3.3	3.1
October	28.1	26.5	23.6	20.6	19.0
November	143.3	135.4	120.3	105.2	97.2
December	322.4	304.5	270.5	236.6	218.6
	1472	1390	1235	1080	998

IV. Adjusting Forecasted HDDs for a Climate-Change Trend

SoCalGas incorporates a climate-change warming trend that reduces HDDs by 6.6 HDDs per year over the forecast period. The annual reduction is based on the latest twenty-year trend in 20-year-averaged HDDs. That is, they are based on the observed trend in changes starting with average HDDs for years 1987-2006, then 1988-2007, 1989-2008...and ending with the average HDDs for years 2006-2025.

Table 5 below shows system HDDs, rolling 20-year averaged HDDs, and the annual changes in those rolling 20-year averages. The average annual change is -6.6 HDDs for the most recent twenty of the 20-year averages (with ending years from 2006 through 2025). Based on this average change, it was decided to decrease average-year and cold-year forecasted HDDs by 6.6 HDDs per year, starting with the first forecast year of 2026.

Table 5
Average Annual Changes in 20-Year Averaged Heating-Degree Days

Average Annual Changes in 20-Year-Averaged HDDs

20 Year: (2006-2025)			Annual Change -6.6
Year	SCG System HDDs	20-year averaged HDDs	Annual change in 20- year averaged HDDs
1987	1504	1538.2	-10.4
1988	1371	1533.4	-4.7
1989	1361	1522.1	-11.3
1990	1446	1514.9	-7.3
1991	1407	1481.7	-33.1
1992	1256	1465.2	-16.6
1993	1213	1436.6	-28.6
1994	1469	1426.1	-10.5
1995	1245	1390.1	-36.1
1996	1189	1377.7	-12.4
1997	1158	1367.9	-9.8
1998	1569	1366.7	-1.2
1999	1538	1363.8	-2.9
2000	1369	1367.6	3.8
2001	1689	1392.6	25.0
2002	1498	1384.7	-8.0
2003	1339	1382.1	-2.6
2004	1392	1384.8	2.7
2005	1225	1366.6	-18.2
2006	1432	1383.6	16.9
2007	1401	1378.4	-5.1
2008	1402	1380.0	1.5
2009	1310	1377.4	-2.6
2010	1445	1377.4	0.0
2011	1590	1386.5	9.2
2012	1286	1388.0	1.5
2013	1215	1388.1	0.1
2014	776	1353.5	-34.6
2015	967	1339.5	-13.9
2016	1014	1330.8	-8.8
2017	972	1321.5	-9.3
2018	1019	1294.0	-27.5
2019	1336	1283.9	-10.1
2020	1146	1272.8	-11.1
2021	1253	1251.0	-21.8
2022	1209	1236.5	-14.5
2023	1451	1242.1	5.6
2024	1333	1239.1	-3.0
2025	1148	1235.3	-3.8

Below tables 6.1 – 6.5 show the complete monthly weather design:

Table 6.1

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2026	309.1	291.8	259.1	226.4	209.1
Feb-2026	260.0	245.4	217.9	190.4	175.9
Mar-2026	211.5	199.7	177.3	154.9	143.1
Apr-2026	117.7	111.1	98.6	86.2	79.6
May-2026	56.2	53.1	47.1	41.2	38.1
Jun-2026	10.8	10.2	9.1	7.9	7.3
Jul-2026	2.2	2.1	1.8	1.6	1.5
Aug-2026	1.7	1.6	1.4	1.3	1.2
Sep-2026	4.5	4.3	3.8	3.3	3.1
Oct-2026	27.9	26.4	23.4	20.5	18.9
Nov-2026	142.7	134.7	119.6	104.5	96.5
Dec-2026	321.0	303.0	269.1	235.1	217.2
Jan-2027	307.7	290.4	257.7	225.0	207.7
Feb-2027	258.8	244.2	216.7	189.2	174.7
Mar-2027	210.6	198.7	176.4	154.0	142.2
Apr-2027	117.1	110.6	98.1	85.7	79.1
May-2027	56.0	52.8	46.9	40.9	37.8
Jun-2027	10.8	10.2	9.0	7.9	7.3
Jul-2027	2.2	2.1	1.8	1.6	1.5
Aug-2027	1.7	1.6	1.4	1.3	1.2
Sep-2027	4.5	4.3	3.8	3.3	3.1
Oct-2027	27.8	26.3	23.3	20.3	18.8
Nov-2027	142.1	134.1	119.0	103.9	95.9
Dec-2027	319.5	301.6	267.6	233.7	215.7
Jan-2028	306.3	289.0	256.3	223.6	206.3
Feb-2028	257.6	243.1	215.6	188.1	173.5
Mar-2028	209.6	197.8	175.4	153.0	141.2
Apr-2028	116.6	110.0	97.6	85.1	78.5
May-2028	55.7	52.6	46.6	40.7	37.5
Jun-2028	10.7	10.1	9.0	7.8	7.2
Jul-2028	2.2	2.1	1.8	1.6	1.5
Aug-2028	1.7	1.6	1.4	1.2	1.1
Sep-2028	4.5	4.2	3.8	3.3	3.0
Oct-2028	27.7	26.1	23.2	20.2	18.7
Nov-2028	141.4	133.4	118.3	103.2	95.3
Dec-2028	318.1	300.1	266.2	232.2	214.3

Table 6.2

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2029	304.9	287.6	254.9	222.2	204.9
Feb-2029	256.4	241.9	214.4	186.9	172.4
Mar-2029	208.7	196.8	174.5	152.1	140.2
Apr-2029	116.1	109.5	97.0	84.6	78.0
May-2029	55.5	52.3	46.4	40.4	37.3
Jun-2029	10.7	10.1	8.9	7.8	7.2
Jul-2029	2.2	2.0	1.8	1.6	1.5
Aug-2029	1.7	1.6	1.4	1.2	1.1
Sep-2029	4.5	4.2	3.7	3.3	3.0
Oct-2029	27.6	26.0	23.1	20.1	18.5
Nov-2029	140.8	132.8	117.7	102.6	94.6
Dec-2029	316.7	298.7	264.7	230.8	212.8
Jan-2030	303.5	286.2	253.5	220.8	203.5
Feb-2030	255.3	240.7	213.2	185.7	171.2
Mar-2030	207.7	195.9	173.5	151.1	139.3
Apr-2030	115.5	109.0	96.5	84.1	77.5
May-2030	55.2	52.1	46.1	40.2	37.0
Jun-2030	10.6	10.0	8.9	7.7	7.1
Jul-2030	2.2	2.0	1.8	1.6	1.5
Aug-2030	1.7	1.6	1.4	1.2	1.1
Sep-2030	4.5	4.2	3.7	3.2	3.0
Oct-2030	27.4	25.9	22.9	20.0	18.4
Nov-2030	140.1	132.1	117.0	102.0	94.0
Dec-2030	315.2	297.2	263.3	229.3	211.4
Jan-2031	302.1	284.8	252.1	219.4	202.1
Feb-2031	254.1	239.6	212.1	184.6	170.0
Mar-2031	206.8	194.9	172.6	150.2	138.3
Apr-2031	115.0	108.4	96.0	83.5	77.0
May-2031	55.0	51.8	45.9	39.9	36.8
Jun-2031	10.6	10.0	8.8	7.7	7.1
Jul-2031	2.2	2.0	1.8	1.6	1.4
Aug-2031	1.7	1.6	1.4	1.2	1.1
Sep-2031	4.4	4.2	3.7	3.2	3.0
Oct-2031	27.3	25.8	22.8	19.8	18.3
Nov-2031	139.5	131.5	116.4	101.3	93.3
Dec-2031	313.8	295.8	261.8	227.9	209.9

Table 6.3

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2032	300.7	283.4	250.7	218.0	200.8
Feb-2032	252.9	238.4	210.9	183.4	168.8
Mar-2032	205.8	194.0	171.6	149.2	137.4
Apr-2032	114.5	107.9	95.5	83.0	76.4
May-2032	54.7	51.6	45.6	39.7	36.5
Jun-2032	10.5	9.9	8.8	7.6	7.0
Jul-2032	2.1	2.0	1.8	1.6	1.4
Aug-2032	1.7	1.6	1.4	1.2	1.1
Sep-2032	4.4	4.2	3.7	3.2	2.9
Oct-2032	27.2	25.6	22.7	19.7	18.2
Nov-2032	138.8	130.9	115.8	100.7	92.7
Dec-2032	312.3	294.4	260.4	226.4	208.5
Jan-2033	299.3	282.0	249.4	216.7	199.4
Feb-2033	251.8	237.2	209.7	182.2	167.7
Mar-2033	204.9	193.0	170.6	148.3	136.4
Apr-2033	114.0	107.4	94.9	82.5	75.9
May-2033	54.5	51.3	45.4	39.4	36.3
Jun-2033	10.5	9.9	8.7	7.6	7.0
Jul-2033	2.1	2.0	1.8	1.5	1.4
Aug-2033	1.7	1.6	1.4	1.2	1.1
Sep-2033	4.4	4.1	3.7	3.2	2.9
Oct-2033	27.1	25.5	22.5	19.6	18.0
Nov-2033	138.2	130.2	115.1	100.0	92.0
Dec-2033	310.9	292.9	259.0	225.0	207.0
Jan-2034	297.9	280.7	248.0	215.3	198.0
Feb-2034	250.6	236.0	208.5	181.0	166.5
Mar-2034	203.9	192.1	169.7	147.3	135.5
Apr-2034	113.4	106.8	94.4	82.0	75.4
May-2034	54.2	51.1	45.1	39.2	36.0
Jun-2034	10.4	9.8	8.7	7.5	6.9
Jul-2034	2.1	2.0	1.8	1.5	1.4
Aug-2034	1.7	1.6	1.4	1.2	1.1
Sep-2034	4.4	4.1	3.6	3.2	2.9
Oct-2034	26.9	25.4	22.4	19.5	17.9
Nov-2034	137.6	129.6	114.5	99.4	91.4
Dec-2034	309.4	291.5	257.5	223.6	205.6

Table 6.4

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2035	296.6	279.3	246.6	213.9	196.6
Feb-2035	249.4	234.9	207.4	179.9	165.3
Mar-2035	203.0	191.1	168.7	146.4	134.5
Apr-2035	112.9	106.3	93.9	81.4	74.8
May-2035	54.0	50.8	44.9	38.9	35.8
Jun-2035	10.4	9.8	8.6	7.5	6.9
Jul-2035	2.1	2.0	1.8	1.5	1.4
Aug-2035	1.7	1.6	1.4	1.2	1.1
Sep-2035	4.4	4.1	3.6	3.1	2.9
Oct-2035	26.8	25.3	22.3	19.3	17.8
Nov-2035	136.9	128.9	113.8	98.7	90.8
Dec-2035	308.0	290.0	256.1	222.1	204.2
Jan-2036	295.2	277.9	245.2	212.5	195.2
Feb-2036	248.2	233.7	206.2	178.7	164.2
Mar-2036	202.0	190.2	167.8	145.4	133.6
Apr-2036	112.4	105.8	93.3	80.9	74.3
May-2036	53.7	50.6	44.6	38.7	35.5
Jun-2036	10.3	9.7	8.6	7.4	6.8
Jul-2036	2.1	2.0	1.7	1.5	1.4
Aug-2036	1.6	1.5	1.4	1.2	1.1
Sep-2036	4.3	4.1	3.6	3.1	2.9
Oct-2036	26.7	25.1	22.2	19.2	17.7
Nov-2036	136.3	128.3	113.2	98.1	90.1
Dec-2036	306.5	288.6	254.6	220.7	202.7
Jan-2037	293.8	276.5	243.8	211.1	193.8
Feb-2037	247.1	232.5	205.0	177.5	163.0
Mar-2037	201.0	189.2	166.8	144.5	132.6
Apr-2037	111.8	105.3	92.8	80.4	73.8
May-2037	53.5	50.3	44.4	38.4	35.3
Jun-2037	10.3	9.7	8.5	7.4	6.8
Jul-2037	2.1	2.0	1.7	1.5	1.4
Aug-2037	1.6	1.5	1.4	1.2	1.1
Sep-2037	4.3	4.1	3.6	3.1	2.8
Oct-2037	26.6	25.0	22.0	19.1	17.5
Nov-2037	135.6	127.6	112.6	97.5	89.5
Dec-2037	305.1	287.1	253.2	219.2	201.3

Table 6.5

Calendar Month Heating Degree-Day Designs with Climate-Change Trend

	Cold		Average	Hot	
	1-in-35 Design	1-in-10 Design		1-in-10 Design	1-in-35 Design
Jan-2038	292.4	275.1	242.4	209.7	192.4
Feb-2038	245.9	231.4	203.9	176.4	161.8
Mar-2038	200.1	188.3	165.9	143.5	131.7
Apr-2038	111.3	104.7	92.3	79.8	73.2
May-2038	53.2	50.1	44.1	38.2	35.0
Jun-2038	10.2	9.6	8.5	7.3	6.7
Jul-2038	2.1	2.0	1.7	1.5	1.4
Aug-2038	1.6	1.5	1.3	1.2	1.1
Sep-2038	4.3	4.0	3.6	3.1	2.8
Oct-2038	26.4	24.9	21.9	19.0	17.4
Nov-2038	135.0	127.0	111.9	96.8	88.8
Dec-2038	303.6	285.7	251.7	217.8	199.8
Jan-2039	291.0	273.7	241.0	208.3	191.0
Feb-2039	244.7	230.2	202.7	175.2	160.6
Mar-2039	199.1	187.3	164.9	142.6	130.7
Apr-2039	110.8	104.2	91.7	79.3	72.7
May-2039	53.0	49.8	43.9	37.9	34.8
Jun-2039	10.2	9.6	8.4	7.3	6.7
Jul-2039	2.1	2.0	1.7	1.5	1.4
Aug-2039	1.6	1.5	1.3	1.2	1.1
Sep-2039	4.3	4.0	3.5	3.1	2.8
Oct-2039	26.3	24.7	21.8	18.8	17.3
Nov-2039	134.3	126.4	111.3	96.2	88.2
Dec-2039	302.2	284.2	250.3	216.3	198.4
Jan-2040	289.6	272.3	239.6	206.9	189.6
Feb-2040	243.6	229.0	201.5	174.0	159.5
Mar-2040	198.2	186.4	164.0	141.6	129.8
Apr-2040	110.2	103.7	91.2	78.8	72.2
May-2040	52.7	49.6	43.6	37.7	34.5
Jun-2040	10.1	9.5	8.4	7.2	6.6
Jul-2040	2.1	1.9	1.7	1.5	1.4
Aug-2040	1.6	1.5	1.3	1.2	1.1
Sep-2040	4.3	4.0	3.5	3.0	2.8
Oct-2040	26.2	24.6	21.7	18.7	17.1
Nov-2040	133.7	125.7	110.6	95.5	87.5
Dec-2040	300.8	282.8	248.8	214.9	196.9

V. Calculating the Peak-Day Design Temperature

SoCalGas' 1-in-35 Peak-Day design temperature of 40.6 degrees Fahrenheit, denoted "Deg-F," is determined from a statistical analysis of observed annual minimum daily system average temperatures constructed from daily temperature recordings from the fifteen U.S. Weather Bureau weather stations discussed above. Since we have a time series of daily data by year, the following notation will be used for the remainder of this discussion:

(1) $AVG_{y,d}$ = system avg value of temperature for calendar year "y" and day "d".

The calendar year, y, can range from 1950 through 2025, while the day, d, can range from 1 to 365, for non-leap years, or from 1 to 366 for leap years. The "upper" value for the day, d, thus depends on the calendar year, y, and will be denoted by $n(y)=365$, or 366, respectively, when y is a non-leap year or a leap year.

For each calendar year, we calculate the following statistic from our series of daily system average temperatures defined in equation (1) above:

$$(2) \quad \text{Min}AVG_y = \min_{d=1}^{n(y)} \{ AVG_{y,d} \}, \text{ for } y=1950, 1951, \dots, 2025.$$

(The notation used in equation 2 means "For a particular year, y, list all the daily values of system average temperature for that year, then pick the smallest one.")

The resulting minimum annual temperatures are shown in Tables 7.1 and 7.2, below. Most of the minimum temperatures occur in the months of December, January, or February; for a few calendar years the minimums occurred in March or November.

The statistical methods we use to analyze this data employ software developed to fit three generic probability models: the Generalized Extreme Value (GEV) model, the Double-Exponential or GUMBEL (EV1) model and a 2-Parameter Students' T-Distribution (T-Dist) model. [The GEV and EV1 models have the same mathematical specification as those implemented in a DOS-based executable-only computer code that was developed by Richard L. Lehman and described in a paper published in the Proceedings of the Eighth Conference on Applied Climatology, January 17-22, 1993, Anaheim, California, pp. 270-273, by the American Meteorological Society, Boston, MA., with the title "Two Software Products for Extreme Value Analysis: System Overviews of ANYEX and DDEX." At the time he wrote the paper, Dr. Lehman was with the Climate Analysis Center, National Weather Service/NOAA in Washington, D.C., zip code 20233.] The Statistical Analysis System (SAS) procedure for nonlinear statistical model estimation (PROC MODEL) was used to do the calculations. Further, the calculation procedures were implemented to fit the probability models to observed *maxima* of data, like heating degrees. By recognizing that:

$$-\text{MinAVG}_y = -\min_{d=1}^{n(y)} \{ \text{AVG}_{y,d} \} = \max_{d=1}^{n(y)} \{ -\text{AVG}_{y,d} \}, \text{ for } y=1950, \dots, 2025$$

this same software, when applied to the *negative* of the minimum temperature data, yields appropriate probability model estimation results.

The calculations done to fit any one of the three probability models choose the parameter values that provide the “best fit” of the parametric probability model’s calculated cumulative distribution function (CDF) to the empirical cumulative distribution function (ECDF). Note that the ECDF is constructed based on the variable “-MinAVG_y” (which is a *maximum* over a set of *negative* temperatures) with values of the variable MinAVG_y that are the same as shown in Tables 7.1 and 7.2, below.

In Tables 8.1 and 8.2, the data for -MinAVG_y are shown after they have been sorted from “lowest” to “highest” value. The ascending *ordinal* value is shown in the column labeled “RANK” and the empirical cumulative distribution function is calculated and shown in the next column. The formula used to calculate this function is:

$$\text{ECDF} = (\text{RANK} - \alpha) / [\text{MaxRANK} + (1 - 2\alpha)],$$

where the parameter “ α ” (shown as *alpha* in Table 8.1 and Table 8.2) is a “small” positive value (usually less than $\frac{1}{2}$) that is used to bound the ECDF away from 0 and 1.

Of the three probability models considered (GEV, EV1, and T_Dist) the results obtained for the T_Dist model were selected since the fit to the ECDF was better than that of either the GEV model or the EV1 model. (Although convergence to stable parameter estimates is occasionally a problem with fitting a GEV model to the ECDF, the T_Dist model had no problems with convergence of the iterative procedure to estimate parameters.)

The T_Dist model used here is a three-parameter probability model where the variable $z = (-\text{MinAVG}_y - \gamma) / \theta$, for each year, y , is presumed to follow a T_Dist with location parameter, γ , and scale parameter, θ , and a third parameter, ν , that represents the number of degrees of freedom. For a given number of years of data, N , then $\nu=N-2$.

The following mathematical expression specifies the T_Dist model we fit to the data for “-MinAVG_y” shown in Table 8.1 and Table 8.2, below.

$$(3) \quad \text{ECDF}(-\text{MinAVG}_y) = \text{Prob} \{ -T < -\text{MinAVG}_y \} = \text{T_Dist}\{z; \gamma, \theta, \nu=N-2\},$$

where “T_Dist{ . }” is the cumulative probability distribution function for Student’s T-Distribution², and

² A common mathematical expression for Student’s T-Distribution is provided at http://en.wikipedia.org/wiki/Student%27s_t-distribution; with a probability density function

$$f(t) = \frac{\Gamma(\frac{\nu+1}{2})}{\sqrt{\nu\pi} \Gamma(\frac{\nu}{2})} \left(1 + \frac{t^2}{\nu} \right)^{-\frac{\nu+1}{2}},$$

$$(4) \quad z = (-\text{MinAVG}_y - \gamma) / \theta, \text{ for each year, } y, \text{ and}$$

the parameters “ γ ” and “ θ ” are estimated for this model for given degrees of freedom $v=N-2$. The estimated values for γ and θ are shown in Table 8.2 along with the fitted values of the model CDF (the column: “Fitted” Model CDF).

Now, to calculate a *peak-day design temperature*, TPDD_δ , with a specified likelihood, δ , that a value less than TPDD_δ would be observed, we use the equation below:

$$(5) \quad \delta = \text{Prob} \{ T \leq \text{TPDD}_\delta \}, \text{ which is equivalent to}$$

$$(6) \quad \delta = \text{Prob} \{ [(-T - \gamma) / \theta] \geq [(-\text{TPDD}_\delta - \gamma) / \theta] \}, = \text{Prob} \{ [(-T - \gamma) / \theta] \geq [z_\delta] \}, \text{ where } z_\delta = [(-\text{TPDD}_\delta - \gamma) / \theta]. \text{ In terms of our probability model,}$$

$$(7) \quad \delta = 1 - T_Dist\{ z_\delta; \gamma, \theta, v=N-2 \},$$

which yields the following equation for z_δ ,

$$(7') \quad z_\delta = \{ \text{TINV_Dist}\{ (1-\delta); \gamma, \theta, v=N-2 \}, \text{ where “TINV_Dist}\{ . \}” \text{ is the inverse function of the } T_Dist\{ . \} \text{ function}^3. \text{ The implied equation for } \text{TPDD}_\delta \text{ is:}$$

$$(8) \quad \text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)].$$

To calculate the minimum daily (system average) temperature to define our extreme weather event, we specify that this COLDEST-Day be one where the temperature would be lower with a “1-in-35” likelihood. This criterion translates into two equations to be solved based on equations (7) and (8) above:

$$(9) \quad \text{solve for “} z_\delta \text{” from equation (7') above with } (1-\delta) = (1 - 1/35) = 1 - 0.0286,$$

$$(10) \quad \text{solve for “} \text{TPDD}_\delta \text{” from } \text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)].$$

The value of $z_\delta = 1.932$ and $\text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)] = 40.6$ degrees Fahrenheit, with values for “ $v=N-2$ ”; along with “ γ ” and “ θ ” in Tables 8.1 & 8.2, below.

SoCalGas’ 1-in-10 peak-day design temperature of 42.3 degrees Fahrenheit, is calculated in a methodologically similar way as for the 40.6 degree peak day temperature. The criteria specified in equation (9) above for a “1-in-35” likelihood would be replaced by a “1-in-10” likelihood.

$$(9') \quad \text{solve for “} z_\delta \text{” from equation (7') above with } (1-\delta) = (1 - 1/10) = 1 - 0.1000, \text{ which yields a “} z_\delta \text{” value of } z_\delta = 1.293 \text{ and, } \text{TPDD}_\delta = - [\gamma + (z_\delta)(\theta)] = 42.3 \text{ with values for “} v=N-2 \text{”; along with “} \gamma \text{” and “} \theta \text{” in Tables 8.1 and 8.2, below.}$$

such that $T_Dist\{z; \gamma, \theta, v=N-2\} = \int_{-\infty}^z f(t) dt$, from $t=-\infty$ to $t=z$. Also, the notation $\Gamma(.)$ is known in mathematics as the GAMMA function; see http://www.wikipedia.org/wiki/Gamma_function for a description. Also, see *Statistical Theory*, 3rd Ed., B.W. Lindgren, MacMillian Pub. Inc, 1976, pp. 336-337.

³ Computer software packages such as SAS and EXCEL have implemented statistical and mathematical functions to readily calculate values for $T_Dist\{ . \}$ and $\text{TINV_Dist}\{ . \}$ as defined above.

A plot of the cumulative distribution function for MinAVG_y based on “ $v=N-2$ ”, the fitted model parameters, “ γ ” and “ θ ” with values in Tables 8.1 and 8.2, below, is shown in Figure 1.

Table 7.1

YEAR	MINAVG	Month(MinAvg)
1950	40.83	Jan
1951	44.45	Dec
1952	43.12	Jan
1953	45.51	Feb
1954	45.63	Dec
1955	45.83	Dec
1956	44.84	Feb
1957	39.49	Jan
1958	46.34	Nov
1959	48.26	Feb
1960	42.23	Jan
1961	47.19	Dec
1962	43.40	Jan
1963	42.42	Jan
1964	45.28	Nov
1965	44.71	Jan
1966	46.82	Jan
1967	40.80	Dec
1968	40.46	Dec
1969	44.85	Jan
1970	46.81	Dec
1971	42.97	Jan
1972	41.42	Dec
1973	45.24	Jan
1974	43.02	Jan
1975	44.56	Jan
1976	44.68	Jan
1977	48.22	Jan
1978	41.65	Dec
1979	41.45	Jan
1980	50.23	Jan
1981	49.27	Jan
1982	45.41	Jan
1983	48.66	Jan
1984	46.80	Dec
1985	45.23	Feb
1986	48.67	Feb
1987	43.47	Dec
1988	43.38	Dec
1989	40.44	Feb
1990	39.09	Dec
1991	48.65	Mar
1992	47.50	Dec
1993	46.11	Jan
1994	47.06	Nov

Table 7.2

YEAR	MINAVG	Month(MinAvg)
1995	49.62	Dec
1996	44.77	Feb
1997	48.37	Jan
1998	43.53	Dec
1999	48.86	Jan
2000	48.84	Mar
2001	47.15	Jan
2002	45.94	Jan
2003	47.18	Dec
2004	48.22	Nov
2005	47.30	Jan
2006	45.70	Mar
2007	41.41	Jan
2008	45.94	Dec
2009	45.31	Dec
2010	44.57	Dec
2011	46.98	Feb
2012	46.76	Dec
2013	43.76	Jan
2014	47.93	Dec
2015	45.59	Jan
2016	46.88	Dec
2017	47.46	Jan
2018	47.35	Feb
2019	47.31	Feb
2020	50.03	Feb
2021	47.02	Jan
2022	48.16	Dec
2023	46.35	Feb
2024	50.21	Jan
2025	47.40	Mar

Table 8.1 (alpha=0.375)

<u>Year</u>	<u>-MinAvg</u>	<u>Month(- MinAvg)</u>	<u>Rank</u>	<u>Empirical CDF</u>	<u>Model - [(-MinAvg - γ)/θ]</u>	<u>Model - Fitted CDF</u>
1980	-50.2316	Jan	1	0.0082	-1.6445	0.0522
2024	-50.2119	Jan	2	0.0213	-1.6371	0.0529
2020	-50.0269	Feb	3	0.0344	-1.5683	0.0605
1995	-49.6231	Dec	4	0.0475	-1.4180	0.0802
1981	-49.2698	Jan	5	0.0607	-1.2866	0.1011
1999	-48.8553	Jan	6	0.0738	-1.1323	0.1306
2000	-48.8429	Mar	7	0.0869	-1.1277	0.1315
1986	-48.6724	Feb	8	0.1000	-1.0643	0.1453
1983	-48.6630	Jan	9	0.1131	-1.0607	0.1461
1991	-48.6500	Mar	10	0.1262	-1.0559	0.1472
1997	-48.3652	Jan	11	0.1393	-0.9499	0.1726
1959	-48.2552	Feb	12	0.1525	-0.9090	0.1832
2004	-48.2193	Nov	13	0.1656	-0.8956	0.1867
1977	-48.2192	Jan	14	0.1787	-0.8956	0.1867
2022	-48.1611	Dec	15	0.1918	-0.8740	0.1925
2014	-47.9302	Dec	16	0.2049	-0.7881	0.2166
1992	-47.5030	Dec	17	0.2180	-0.6291	0.2656
2017	-47.4616	Jan	18	0.2311	-0.6137	0.2706
2025	-47.4027	Mar	19	0.2443	-0.5918	0.2779
2018	-47.3464	Feb	20	0.2574	-0.5708	0.2849
2019	-47.3067	Feb	21	0.2705	-0.5560	0.2899
2005	-47.3012	Jan	22	0.2836	-0.5540	0.2906
1961	-47.1933	Dec	23	0.2967	-0.5139	0.3044
2003	-47.1816	Dec	24	0.3098	-0.5095	0.3060
2001	-47.1475	Jan	25	0.3230	-0.4968	0.3104
1994	-47.0634	Nov	26	0.3361	-0.4655	0.3215
2021	-47.0164	Jan	27	0.3492	-0.4480	0.3277
2011	-46.9837	Feb	28	0.3623	-0.4359	0.3321
2016	-46.8843	Dec	29	0.3754	-0.3989	0.3456
1966	-46.8224	Jan	30	0.3885	-0.3758	0.3541
1970	-46.8092	Dec	31	0.4016	-0.3709	0.3559
1984	-46.8005	Dec	32	0.4148	-0.3677	0.3571
2012	-46.7644	Dec	33	0.4279	-0.3542	0.3621
2023	-46.3462	Feb	34	0.4410	-0.1986	0.4215
1958	-46.3380	Nov	35	0.4541	-0.1956	0.4227
1993	-46.1108	Jan	36	0.4672	-0.1110	0.4560
2008	-45.9422	Dec	37	0.4803	-0.0483	0.4808
2002	-45.9415	Jan	38	0.4934	-0.0480	0.4809
1955	-45.8328	Dec	39	0.5066	-0.0076	0.4970
2006	-45.6965	Mar	40	0.5197	0.0432	0.5172
1954	-45.6267	Dec	41	0.5328	0.0691	0.5275
2015	-45.5905	Jan	42	0.5459	0.0826	0.5328
1953	-45.5070	Feb	43	0.5590	0.1137	0.5451
1982	-45.4142	Jan	44	0.5721	0.1482	0.5587
2009	-45.3053	Dec	45	0.5852	0.1887	0.5746
1964	-45.2797	Nov	46	0.5984	0.1982	0.5783
1973	-45.2379	Jan	47	0.6115	0.2138	0.5844
1985	-45.2280	Feb	48	0.6246	0.2175	0.5858

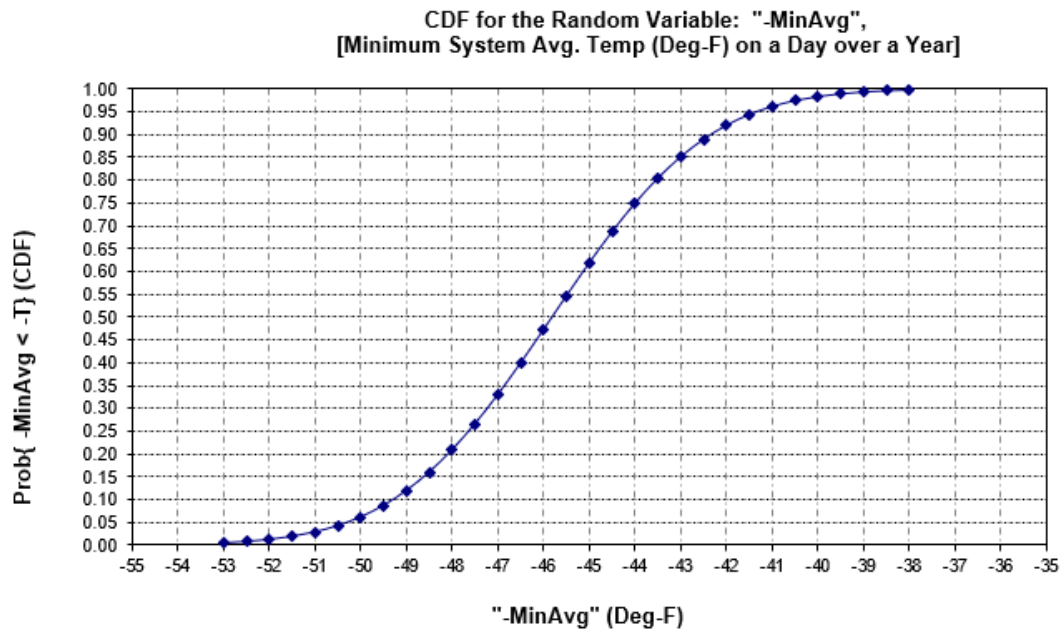
Table 8.2 (alpha=0.375)

<u>Year</u>	<u>-MinAvg</u>	<u>Month(- MinAvg)</u>	<u>Rank</u>	<u>Empirical CDF</u>	<u>Model - (-MinAvg - γ)/θ </u>	<u>Model - Fitted CDF</u>
1969	-44.8472	Jan	49	0.6377	0.3592	0.6398
1956	-44.8385	Feb	50	0.6508	0.3624	0.6410
1996	-44.7684	Feb	51	0.6639	0.3885	0.6506
1965	-44.7103	Jan	52	0.6770	0.4101	0.6586
1976	-44.6778	Jan	53	0.6902	0.4222	0.6630
2010	-44.5689	Dec	54	0.7033	0.4628	0.6776
1975	-44.5571	Jan	55	0.7164	0.4671	0.6791
1951	-44.4492	Dec	56	0.7295	0.5073	0.6933
2013	-43.7563	Jan	57	0.7426	0.7651	0.7767
1998	-43.5308	Dec	58	0.7557	0.8490	0.8007
1987	-43.4709	Dec	59	0.7689	0.8713	0.8068
1962	-43.4041	Jan	60	0.7820	0.8962	0.8135
1988	-43.3789	Dec	61	0.7951	0.9056	0.8159
1952	-43.1184	Jan	62	0.8082	1.0025	0.8403
1974	-43.0178	Jan	63	0.8213	1.0400	0.8491
1971	-42.9652	Jan	64	0.8344	1.0595	0.8536
1963	-42.4163	Jan	65	0.8475	1.2638	0.8949
1960	-42.2257	Jan	66	0.8607	1.3347	0.9070
1978	-41.6533	Dec	67	0.8738	1.5477	0.9370
1979	-41.4527	Jan	68	0.8869	1.6224	0.9455
1972	-41.4225	Dec	69	0.9000	1.6336	0.9467
2007	-41.4123	Jan	70	0.9131	1.6374	0.9471
1950	-40.8297	Jan	71	0.9262	1.8542	0.9662
1967	-40.7993	Dec	72	0.9393	1.8655	0.9670
1968	-40.4561	Dec	73	0.9525	1.9932	0.9750
1989	-40.4414	Feb	74	0.9656	1.9987	0.9753
1957	-39.4862	Jan	75	0.9787	2.3541	0.9894
1990	-39.0873	Dec	76	0.9918	2.5026	0.9927

T-Dist parameters:

"Gamma" (Fitted) = -45.81
 "Theta" (Fitted) = 2.69
 Deg. Freedom = 74

Figure 1



"MinAvg" (Deg-F) 1-in-10 years' peak temperature: 42.3; 1-in-35 years' peak temperature: 40.6

VI. Estimating the Uncertainty in the Peak-Day Design Temperature

The calculated peak-day design temperatures in section V above also have a statistical uncertainty associated with them. The estimated measures of uncertainty recommended for our use are calculated from the fitted model for the probability distribution and are believed to be reasonable, although rough, approximations.

The basic approach used the estimated parameters for the probability distribution (see the results provided in Tables 8.1 and 8.2, above) to calculate the fitted temperatures as a function of the empirical CDF listed in Tables 8.1 and 8.2, above. These fitted temperatures are then compared with the observed temperatures by calculating the difference = “observed” – “fitted” values. The full set of differences are then separated into the lower third (L), the middle third (M) and the upper third (U) of the distribution. Finally, values of the root-mean-square error (RMSE) of the differences in each third of the distribution are calculated, along with the RMSE for the entire set of differences overall. The data in Tables 9.1 and 9.2, below, show the temperature data and the resulting RMSE values.

The formula below is used to calculate the RMSE for a specified set of “N” data differences:

$$\text{RMSE} = \text{SQRT} \left\{ \left(\sum_{i=1, \dots, N} e[i]^2 \right) / (N-2) \right\},$$

where $e[i] = \text{observed less fitted value of temperature, } T[i]$. The number of estimated parameters (3 for the GEV model, 2 for the T-Dist and EV1 models) is subtracted from the respective number of data differences, N, in the denominator of the RMSE expression.

Since both the “1-in-35” and “1-in-10” peak-day temperature values are in the lower third quantile of the fitted distribution, the calculated standard error for these estimates is 0.63 Deg-F.

Table 9.1

Quantile: (Lower, Middle, Upper 3rd's)	Observed $T_{[i]}$ Temp. Ranked	Residual $e_{[i]}$: Obs'd. less		Square of $e_{[i]}$:
		Fitted Value of T_i $i $	Fitted Value of T_i $i $	
U	50.2316	52.4126	-2.1809	4.7565
U	50.2119	51.3563	-1.1444	1.3096
U	50.0269	50.7739	-0.7470	0.5579
U	49.6231	50.3561	-0.7330	0.5374
U	49.2698	50.0242	-0.7544	0.5691
U	48.8553	49.7455	-0.8902	0.7924
U	48.8429	49.5032	-0.6602	0.4359
U	48.6724	49.2873	-0.6150	0.3782
U	48.6630	49.0917	-0.4287	0.1838
U	48.6500	48.9119	-0.2620	0.0686
U	48.3652	48.7450	-0.3798	0.1443
U	48.2552	48.5887	-0.3335	0.1112
U	48.2193	48.4412	-0.2219	0.0493
U	48.2192	48.3013	-0.0821	0.0067
U	48.1611	48.1678	-0.0067	0.0000
U	47.9302	48.0399	-0.1097	0.0120
U	47.5030	47.9168	-0.4138	0.1712
U	47.4616	47.7981	-0.3365	0.1132
U	47.4027	47.6831	-0.2805	0.0787
U	47.3464	47.5715	-0.2251	0.0507
U	47.3067	47.4629	-0.1562	0.0244
U	47.3012	47.3569	-0.0557	0.0031
U	47.1933	47.2533	-0.0600	0.0036
U	47.1816	47.1518	0.0298	0.0009
U	47.1475	47.0522	0.0953	0.0091
M	47.0634	46.9543	0.1091	0.0119
M	47.0164	46.8579	0.1585	0.0251
M	46.9837	46.7628	0.2208	0.0488
M	46.8843	46.6690	0.2153	0.0463
M	46.8224	46.5762	0.2462	0.0606
M	46.8092	46.4843	0.3249	0.1056
M	46.8005	46.3931	0.4073	0.1659
M	46.7644	46.3027	0.4617	0.2131
M	46.3462	46.2128	0.1334	0.0178
M	46.3380	46.1234	0.2146	0.0461
M	46.1108	46.0343	0.0765	0.0058
M	45.9422	45.9454	-0.0032	0.0000
M	45.9415	45.8568	0.0847	0.0072
M	45.8328	45.7681	0.0647	0.0042
M	45.6965	45.6794	0.0170	0.0003
M	45.6267	45.5906	0.0361	0.0013
M	45.5905	45.5015	0.0890	0.0079
M	45.5070	45.4121	0.0950	0.0090
M	45.4142	45.3222	0.0921	0.0085
M	45.3053	45.2317	0.0736	0.0054
M	45.2797	45.1406	0.1391	0.0194
M	45.2379	45.0487	0.1892	0.0358
M	45.2280	44.9559	0.2721	0.0741
M	44.8472	44.8620	-0.0149	0.0002

Table 9.2

Quantile: (Lower, Middle, Upper 3rd's)	Observed $T_{[i]}$ Temp. Ranked	Fitted Value of $T_{[i]}$	Residual $e_{[i]}$: Obs'd. less Fitted Value of $T_{[i]}$	Square of $e_{[i]}$:
M	44.8385	44.7670	0.0716	0.0051
M	44.7684	44.6706	0.0978	0.0096
L	44.7103	44.5727	0.1376	0.0189
L	44.6778	44.4731	0.2048	0.0419
L	44.5689	44.3716	0.1973	0.0389
L	44.5571	44.2680	0.2891	0.0836
L	44.4492	44.1620	0.2872	0.0825
L	43.7563	44.0533	-0.2971	0.0882
L	43.5308	43.9417	-0.4109	0.1688
L	43.4709	43.8268	-0.3558	0.1266
L	43.4041	43.7080	-0.3040	0.0924
L	43.3789	43.5850	-0.2061	0.0425
L	43.1184	43.4571	-0.3387	0.1147
L	43.0178	43.3236	-0.3058	0.0935
L	42.9652	43.1837	-0.2184	0.0477
L	42.4163	43.0362	-0.6198	0.3842
L	42.2257	42.8798	-0.6541	0.4279
L	41.6533	42.7129	-1.0596	1.1227
L	41.4527	42.5332	-1.0805	1.1675
L	41.4225	42.3375	-0.9150	0.8373
L	41.4123	42.1217	-0.7094	0.5032
L	40.8297	41.8794	-1.0497	1.1018
L	40.7993	41.6007	-0.8013	0.6421
L	40.4561	41.2688	-0.8127	0.6604
L	40.4414	40.8510	-0.4096	0.1677
L	39.4862	40.2686	-0.7824	0.6122
L	39.0873	39.2123	-0.1250	0.0156
Overall RMSE ($e_{[i]}$):				0.52 °F
Upper 3rd RMSE ($e_{[i]}$):				0.67 °F
Middle 3rd RMSE ($e_{[i]}$):				0.20 °F
Lower 3rd RMSE ($e_{[i]}$):				0.63 °F

VII. The Relationship between Annual Likelihoods for Peak-Day Temperatures and “Expected Return Time”

The event whose probability distribution we’ve modeled is the likelihood that the minimum daily temperature over a calendar year is less than a specified value. And, in particular, we’ve used this probability model to infer the value of a temperature, our *peak-day design temperature* (TPDD_δ), that corresponds to a pre-defined likelihood, δ, that the observed minimum temperature is less than or equal to this design temperature.

$$(1) \quad \delta = \text{Prob}\{ \text{Minimum Daily Temperature over the Year} < \text{TPDD}_\delta \}.$$

For some applications, it is useful to think of how this specified likelihood (or “risk level” δ) relates to the expected number of years until this Peak-Day event would first occur. This expected number of years is what is meant by the *return period*. The results stated below are found in the book: *Statistics of Extremes*, E.J. Gumbel, Columbia University Press, 1958, on pages 21-25.

$$(2) \quad E[\# \text{Yrs for Peak-Day Event to Occur}] = 1 / \delta, \\ 1 / \text{Prob}\{ \text{Minimum Daily Temperature over the Year} < \text{TPDD}_\delta \}.$$

For our peak-day design temperature (40.6°F) associated with a 1-in-35 annual likelihood, the return period is 35 years (δ=1/35). For the 42.3°F peak-day design temperature, the return period is 10 years (δ=1/10). Occasionally, a less precise terminology is used. For example, the 40.6°F peak-day design temperature may be referred to as a “1-in-35 year cold day”; and the 42.3°F peak-day design temperature may be referred to as a “1-in-10 year cold day.”

The probability model for the *return period*, as a random variable, is a geometric (discrete) distribution with positive integer values for the *return period*. The parameter δ = Prob{ Minimum Daily Temperature over the Year < TPDD_δ }.

$$(3) \quad \text{Prob}\{ \text{return period} = r \} = (1 - \delta)^{(r-1)} \delta, \text{ for } r = 1, 2, 3, \dots$$

The expected value of the *return period* is already given in (2) above; the variance of the *return period* is:

$$(4) \quad \text{Var}[\text{return period}] = (E[\text{return period}])^2 \times (1 - (1 / E[\text{return period}])),$$

$$(4') \quad \text{Var}[\text{return period}] = (E[\text{return period}]) \times (E[\text{return period}] - 1).$$

Equations (4) and (4') indicate that the standard deviation (square root of the variance) of the *return period* is nearly equal to its expected value. Thus, there is substantial variability about the expected value—a *return period* is not very precise.

GAS PRICE FORECAST

The natural gas price forecast used to develop the demand forecasts for SoCalGas and SDG&E was prepared using S&P Global Energy February 2026 forecast.

Natural Gas Price Forecast

Year SoCal Border (nominal \$/MMbtu)

Jan-2026
Feb-2026
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May-2026
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