

**Southern California Gas Company
2024 TCAP**

Storage Overview & Proposals

**Chapter 1 Workpapers to the Prepared Written Testimony
of Manual Rincon and Jimmy Yen**

Period	Average Year Demand MMcfd	Cold Year 1-in-35 Demand MMcfd	Total Inventory MMcf
2024-27	988	1,465	72,000

SOURCE: <https://www.sdge.com/sites/default/files/regulatory/San%20Diego%20Gas%20and%20Electric%20Company%202020%20CGR%20Redacted%20Workpapers.pdf>

work paper table 1-SDGE line 13, p. 13->
sdge 1 in 2

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg
2022	189	187	155	139	107	92	87	85	87	95	138	192	129
2023	188	186	155	138	107	92	86	85	87	95	137	191	129
2024	186	178	153	137	106	91	86	85	87	94	136	189	127
2025	183	182	151	136	105	91	85	84	86	93	134	187	126
2026	181	180	150	134	104	90	85	84	86	93	133	185	125
2027	179	178	148	133	103	90	84	83	85	92	132	183	124

work paper table 3-SDGE line 13, p. 25->

SDGE COLD TEMPERATURE with DRY HYDRO YEAR

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg
2022	211	209	171	149	111	93	87	85	88	97	147	216	138
2023	210	208	170	148	111	93	87	85	88	97	147	215	138
2024	208	199	168	147	110	92	86	85	87	96	146	213	136
2025	205	204	167	145	109	92	85	84	86	96	144	210	135
2026	203	202	165	144	109	91	85	84	86	95	143	208	134
2027	201	200	164	143	108	90	84	83	85	94	142	206	133

SOURCE: [https://www.socalgas.com/sites/default/files/2020-10/SoCalGas 2020 CGR Redacted Workpapers.pdf](https://www.socalgas.com/sites/default/files/2020-10/SoCalGas%202020%20CGR%20Redacted%20Workpapers.pdf)

work paper table 1-SCG line 17, p. 12->
scg 1 in 2

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg
2022	1355	1336	1080	959	721	625	587	588	607	683	1005	1420	912
2023	1336	1317	1066	946	712	617	580	582	599	675	992	1400	900
2024	1313	1251	1048	931	701	608	572	574	591	665	976	1376	883
2025	1288	1271	1029	915	690	599	563	565	582	655	959	1351	870
2026	1266	1249	1012	900	679	590	556	558	575	645	944	1327	856
2027	1242	1226	994	885	669	582	548	550	567	636	928	1303	842

work paper table 3-SCG line 17, p. 26->
SCG COLD TEMPERATURE with DRY HYDRO YEAR

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg
2022	1497	1471	1173	1018	747	630	588	589	609	700	1076	1577	970
2023	1475	1450	1157	1004	738	622	581	583	602	691	1061	1554	957
2024	1450	1376	1138	988	726	613	573	575	594	681	1045	1528	940
2025	1423	1398	1117	971	715	604	564	566	585	671	1026	1500	926
2026	1398	1374	1098	955	704	596	557	559	577	661	1010	1473	911
2027	1372	1349	1079	939	693	587	549	551	569	651	993	1446	896

TOTALS CORE
1 in 2

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg
2022	1544	1523	1235	1098	828	717	674	673	694	778	1143	1612	1041
2023	1524	1503	1221	1084	819	709	666	667	686	770	1129	1591	1029
2024	1499	1429	1201	1068	807	699	658	659	678	759	1112	1565	1010
2025	1471	1453	1180	1051	795	690	648	649	668	748	1093	1538	996
2026	1447	1429	1162	1034	783	680	641	642	661	738	1077	1512	981
2027	1421	1404	1142	1018	772	672	632	633	652	728	1060	1486	966

Average Year Demand 2024-27 **988**

COLD TEMPERATURE with DRY HYDRO YEAR

year	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	avg	winter
2022	1708	1680	1344	1167	858	723	675	674	697	797	1223	1793	1108	N/A
2023	1685	1658	1327	1152	849	715	668	668	690	788	1208	1769	1095	1537
2024	1658	1575	1306	1135	836	705	659	660	681	777	1191	1741	1076	1504
2025	1628	1602	1284	1116	824	696	649	650	671	767	1170	1710	1061	1489
2026	1601	1576	1263	1099	813	687	642	643	663	756	1153	1681	1045	1464
2027	1573	1549	1243	1082	801	677	633	634	654	745	1135	1652	1029	1440

2024-2027 Cold Year 1-in-35 Demand 1465

California Gas Report Table 29 CORE 1-IN-35 YEAR EXTREME PEAK DAY DEMAND MMcf/d

Year	SoCalGas Core Demand	SDG&E Core Demand	Other Core Demand	Total Demand	1-in-35 Peak Day Demand
2022	2,869	404	170	3,443	3355
2023	2,827	403	170	3,401	
2024	2,782	402	171	3,355	
2025	2,735	400	173	3,308	
2026	2,691	398	174	3,263	
2027	2,647	397	175	3,218	

Table Total System 1-IN-2 YEAR DEMAND MMcf/d

Year	SoCalGas System Demand	SDG&E System Demand	Total System Demand
2022	2,440	253	2,693
2023	2,415	241	2,656
2024	2,327	227	2,554
2025	2,280	219	2,499
2026	2,251	218	2,469
2027	2,221	215	2,436

From SCG and SDGE Base Table 1

fd	sendout	sendout_ft	strip
10/1/2021	2252000	2181748	202110
10/2/2021	2164000	2096493	202110
10/3/2021	2135000	2068398	202110
10/4/2021	2441000	2364852	202110
10/5/2021	2270000	2199186	202110
10/6/2021	2286000	2214687	202110
10/7/2021	2331000	2258283	202110
10/8/2021	2106000	2040302	202110
10/9/2021	1976000	1914358	202110
10/10/2021	1965000	1903701	202110
10/11/2021	2146000	2079054	202110
10/12/2021	2422000	2346444	202110
10/13/2021	2497000	2419105	202110
10/14/2021	2437000	2360977	202110
10/15/2021	2418000	2342569	202110
10/16/2021	2247000	2176904	202110
10/17/2021	2100000	2034489	202110
10/18/2021	2468000	2391009	202110
10/19/2021	2630000	2547956	202110
10/20/2021	2653000	2570238	202110
10/21/2021	2632000	2549893	202110
10/22/2021	2612000	2530517	202110
10/23/2021	2117000	2050959	202110
10/24/2021	2021000	1957954	202110
10/25/2021	2640000	2557644	202110
10/26/2021	2591000	2510172	202110
10/27/2021	2447000	2370665	202110
10/28/2021	2434000	2358070	202110
10/29/2021	2332000	2259252	202110
10/30/2021	2208000	2139120	202110
10/31/2021	2258000	2187561	202110
11/1/2021	2749000	2663244	202111

	Month	Demand	Lower Bound	Upper Bound
202110	2021-10	69,983	-5,599	5,599
202111	2021-11	70,741	-5,659	5,659
202112	2021-12	96,413	-7,713	7,713
202201	2022-1	88,653	-7,092	7,092
202202	2022-2	76,045	-6,084	6,084
202203	2022-3	73,768	-5,901	5,901

11,500

11/2/2021	2618000	2536330	202111
11/3/2021	2585000	2504360	202111
11/4/2021	2418000	2342569	202111
11/5/2021	2389000	2314474	202111
11/6/2021	2179000	2111025	202111
11/7/2021	2283000	2211781	202111
11/8/2021	2566000	2485952	202111
11/9/2021	2473000	2395854	202111
11/10/2021	2415000	2339663	202111
11/11/2021	2431000	2355164	202111
11/12/2021	2382000	2307692	202111
11/13/2021	2232000	2162372	202111
11/14/2021	2170000	2102306	202111
11/15/2021	2365000	2291223	202111
11/16/2021	2523000	2444294	202111
11/17/2021	2728000	2642899	202111
11/18/2021	2752000	2666150	202111
11/19/2021	2566000	2485952	202111
11/20/2021	2499000	2421042	202111
11/21/2021	2309000	2236970	202111
11/22/2021	2472000	2394885	202111
11/23/2021	2481000	2403604	202111
11/24/2021	2553000	2473358	202111
11/25/2021	2318000	2245689	202111
11/26/2021	2258000	2187561	202111
11/27/2021	2215000	2145902	202111
11/28/2021	2232000	2162372	202111
11/29/2021	2396000	2321256	202111
11/30/2021	2462000	2385197	202111
12/1/2021	2523000	2444294	202112
12/2/2021	2697000	2612866	202112
12/3/2021	2740000	2654524	202112
12/4/2021	2682000	2598334	202112
12/5/2021	2628000	2546018	202112

12/6/2021	2863000	2773687	202112
12/7/2021	2890000	2799845	202112
12/8/2021	2718000	2633211	202112
12/9/2021	3219000	3118582	202112
12/10/2021	3372000	3266809	202112
12/11/2021	3144000	3045921	202112
12/12/2021	3039000	2944197	202112
12/13/2021	3396000	3290060	202112
12/14/2021	3961000	3837435	202112
12/15/2021	4069000	3942065	202112
12/16/2021	3769000	3651424	202112
12/17/2021	3462000	3354001	202112
12/18/2021	3341000	3236776	202112
12/19/2021	3331000	3227088	202112
12/20/2021	3473000	3364658	202112
12/21/2021	3411000	3304592	202112
12/22/2021	3053000	2957760	202112
12/23/2021	3012000	2918039	202112
12/24/2021	2679000	2595427	202112
12/25/2021	2893000	2802751	202112
12/26/2021	3185000	3085642	202112
12/27/2021	3821000	3701802	202112
12/28/2021	3765000	3647549	202112
12/29/2021	3772000	3654331	202112
12/30/2021	3390000	3284247	202112
12/31/2021	3219000	3118582	202112
1/1/2022	3293000	3190273	202201
1/2/2022	3567000	3455726	202201
1/3/2022	3613000	3500291	202201
1/4/2022	3513000	3403410	202201
1/5/2022	3267000	3165084	202201
1/6/2022	2975000	2882193	202201
1/7/2022	3008000	2914164	202201
1/8/2022	2925000	2833753	202201

1/9/2022	2919000	2827940	202201
1/10/2022	3104000	3007169	202201
1/11/2022	2898000	2807595	202201
1/12/2022	2937000	2845379	202201
1/13/2022	2862000	2772718	202201
1/14/2022	2619000	2537299	202201
1/15/2022	2684000	2600271	202201
1/16/2022	2349000	2275722	202201
1/17/2022	2662000	2578958	202201
1/18/2022	2646000	2563457	202201
1/19/2022	2885000	2795001	202201
1/20/2022	2776000	2689401	202201
1/21/2022	2778000	2691339	202201
1/22/2022	2639000	2556675	202201
1/23/2022	2659000	2576051	202201
1/24/2022	2874000	2784344	202201
1/25/2022	3016000	2921914	202201
1/26/2022	3107000	3010076	202201
1/27/2022	3065000	2969386	202201
1/28/2022	3040000	2945166	202201
1/29/2022	3044000	2949041	202201
1/30/2022	2751000	2665181	202201
1/31/2022	3033000	2938384	202201
2/1/2022	3277000	3174772	202202
2/2/2022	3546000	3435381	202202
2/3/2022	3418000	3311374	202202
2/4/2022	3167000	3068204	202202
2/5/2022	2754000	2668088	202202
2/6/2022	2538000	2458826	202202
2/7/2022	2604000	2522767	202202
2/8/2022	2567000	2486921	202202
2/9/2022	2369000	2295098	202202
2/10/2022	2306000	2234063	202202
2/11/2022	2307000	2235032	202202

2/12/2022	2144000	2077117	202202
2/13/2022	2127000	2060647	202202
2/14/2022	2274000	2203061	202202
2/15/2022	2902000	2811471	202202
2/16/2022	2933000	2841504	202202
2/17/2022	2905000	2814377	202202
2/18/2022	2670000	2586708	202202
2/19/2022	2403000	2328037	202202
2/20/2022	2221000	2151715	202202
2/21/2022	2690000	2606084	202202
2/22/2022	3362000	3257121	202202
2/23/2022	4077000	3949816	202202
2/24/2022	3773000	3655299	202202
2/25/2022	3286000	3183492	202202
2/26/2022	2870000	2780469	202202
2/27/2022	2577000	2496609	202202
2/28/2022	2427000	2351289	202202
3/1/2022	2470000	2392947	202203
3/2/2022	2405000	2329975	202203
3/3/2022	2447000	2370665	202203
3/4/2022	2629000	2546987	202203
3/5/2022	3010000	2916102	202203
3/6/2022	2935000	2843441	202203
3/7/2022	3026000	2931602	202203
3/8/2022	2846000	2757218	202203
3/9/2022	2626000	2544081	202203
3/10/2022	2740000	2654524	202203
3/11/2022	2629000	2546987	202203
3/12/2022	2149000	2081961	202203
3/13/2022	2209000	2140089	202203
3/14/2022	2410000	2334819	202203
3/15/2022	2341000	2267971	202203
3/16/2022	2357000	2283472	202203
3/17/2022	2357000	2283472	202203

3/18/2022	2355000	2281535	202203
3/19/2022	2390000	2315443	202203
3/20/2022	2199000	2130401	202203
3/21/2022	2330000	2257314	202203
3/22/2022	2305000	2233094	202203
3/23/2022	2317000	2244720	202203
3/24/2022	2251000	2180779	202203
3/25/2022	2247000	2176904	202203
3/26/2022	2129000	2062585	202203
3/27/2022	2075000	2010269	202203
3/28/2022	2649000	2566363	202203
3/29/2022	2503000	2424918	202203
3/30/2022	2385000	2310599	202203
3/31/2022	2422000	2346444	202203

THERM2FT 1.0322			avg	avg_cf
fd	sendout			
4/1/2021	2409000	sendout	2,499,375	2,420
4/2/2021	2272000	days		31
4/3/2021	2214000	tol +/-		6,002
4/4/2021	2134000	allocated		9,600
4/5/2021	2306000	unused		3,598
4/6/2021	2385000			
4/7/2021	2307000			
4/8/2021	2269000			
4/9/2021	2297000			
4/10/2021	2096000			
4/11/2021	2223000			
4/12/2021	2314000			
4/13/2021	2481000			
4/14/2021	2600000			
4/15/2021	2483000			
4/16/2021	2407000			
4/17/2021	2240000			
4/18/2021	2049000			
4/19/2021	2189000			
4/20/2021	2365000			
4/21/2021	2360000			
4/22/2021	2428000			
4/23/2021	2375000			
4/24/2021	2190000			
4/25/2021	2117000			
4/26/2021	2414000			
4/27/2021	2470000			
4/28/2021	2328000			
4/29/2021	2324000			
4/30/2021	2265000			
5/1/2021	2034000			
5/2/2021	2029000			
5/3/2021	2269000			
5/4/2021	2390000			
5/5/2021	2311000			
5/6/2021	2208000			
5/7/2021	2128000			
5/8/2021	1978000			
5/9/2021	1988000			
5/10/2021	2331000			
5/11/2021	2368000			
5/12/2021	2331000			
5/13/2021	2290000			
5/14/2021	2201000			
5/15/2021	2037000			

5/16/2021	2097000
5/17/2021	2199000
5/18/2021	2142000
5/19/2021	2133000
5/20/2021	2285000
5/21/2021	2315000
5/22/2021	2111000
5/23/2021	1959000
5/24/2021	2172000
5/25/2021	2081000
5/26/2021	2071000
5/27/2021	2067000
5/28/2021	2076000
5/29/2021	1901000
5/30/2021	1952000
5/31/2021	2101000
6/1/2021	2388000
6/2/2021	2363000
6/3/2021	2295000
6/4/2021	2090000
6/5/2021	1851000
6/6/2021	1840000
6/7/2021	2128000
6/8/2021	2049000
6/9/2021	1997000
6/10/2021	1956000
6/11/2021	1990000
6/12/2021	1917000
6/13/2021	2051000
6/14/2021	2358000
6/15/2021	2753000
6/16/2021	2881000
6/17/2021	2871000
6/18/2021	2665000
6/19/2021	2158000
6/20/2021	2015000
6/21/2021	2309000
6/22/2021	2246000
6/23/2021	2226000
6/24/2021	2221000
6/25/2021	2217000
6/26/2021	2112000
6/27/2021	2283000
6/28/2021	2735000
6/29/2021	2683000
6/30/2021	2315000
7/1/2021	2301000

7/2/2021	2277000
7/3/2021	2056000
7/4/2021	1932000
7/5/2021	2058000
7/6/2021	2289000
7/7/2021	2481000
7/8/2021	2783000
7/9/2021	3075000
7/10/2021	2672000
7/11/2021	2599000
7/12/2021	2782000
7/13/2021	2741000
7/14/2021	2468000
7/15/2021	2261000
7/16/2021	2281000
7/17/2021	2269000
7/18/2021	2411000
7/19/2021	2648000
7/20/2021	2642000
7/21/2021	2691000
7/22/2021	2474000
7/23/2021	2207000
7/24/2021	2107000
7/25/2021	2067000
7/26/2021	2417000
7/27/2021	2643000
7/28/2021	2885000
7/29/2021	2928000
7/30/2021	2901000
7/31/2021	2300000
8/1/2021	2118000
8/2/2021	2637000
8/3/2021	2727000
8/4/2021	2759000
8/5/2021	2468000
8/6/2021	2232000
8/7/2021	2081000
8/8/2021	2142000
8/9/2021	2447000
8/10/2021	2646000
8/11/2021	2626000
8/12/2021	2540000
8/13/2021	2562000
8/14/2021	2379000
8/15/2021	2510000
8/16/2021	2582000
8/17/2021	2307000

8/18/2021	2237000
8/19/2021	2225000
8/20/2021	2252000
8/21/2021	1917000
8/22/2021	2047000
8/23/2021	2088000
8/24/2021	2250000
8/25/2021	2390000
8/26/2021	2516000
8/27/2021	2451000
8/28/2021	2324000
8/29/2021	2286000
8/30/2021	2409000
8/31/2021	2291000
9/1/2021	2064000
9/2/2021	2187000
9/3/2021	2255000
9/4/2021	2249000
9/5/2021	2329000
9/6/2021	2479000
9/7/2021	2712000
9/8/2021	2896000
9/9/2021	2918000
9/10/2021	2578000
9/11/2021	2303000
9/12/2021	2205000
9/13/2021	2376000
9/14/2021	2267000
9/15/2021	2133000
9/16/2021	2197000
9/17/2021	2064000
9/18/2021	1819000
9/19/2021	1778000
9/20/2021	2038000
9/21/2021	2365000
9/22/2021	2308000
9/23/2021	2398000
9/24/2021	2330000
9/25/2021	1912000
9/26/2021	1904000
9/27/2021	2095000
9/28/2021	2014000
9/29/2021	2048000
9/30/2021	2213000
10/1/2021	2252000
10/2/2021	2164000
10/3/2021	2135000

10/4/2021	2441000
10/5/2021	2270000
10/6/2021	2286000
10/7/2021	2331000
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THERM2FT 1.0322

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	Inventory	Injection		Withdrawal	
		Summer	Winter	Summer	Winter
Core	72.000	0.336	0.125	0.250	1.140
Balance	9.600	0.300	0.350	0.500	0.226
Balance+	8.300	0.054	0.071	0.142	0.000
Wholesale	2.160	0.010	0.004	0.008	0.034
Total:	92.060	0.700	0.550	0.900	1.400

	Inventory	Injection		Withdrawal	
		Summer	Winter	Summer	Winter
Core	78.2%	48.0%	22.7%	27.8%	81.4%
Balance	10.4%	42.9%	63.6%	55.6%	16.1%
Balance+	9.0%	7.7%	12.9%	15.8%	0.0%
Wholesale	2.3%	1.4%	0.7%	0.9%	2.4%
Total:	100.00%	100.00%	100.00%	100.00%	100.00%