
2002
California
Gas
Report

***CITY OF LONG BEACH
GAS AND ELECTRIC DEPARTMENT***

**CITY OF LONG BEACH
ENERGY DEPARTMENT**

The annual gas supply and requirements for the Long Beach Energy Department (Long Beach) are shown on the following tables for the years 1997 through 2001 and the estimated years 2002 through 2022. Long Beach prepared all forecasted requirements.

Serving approximately 149,000 customers, Long Beach is the largest California municipal gas utility and the fifth largest municipal gas utility in the United States. Long Beach's service territory includes the cities of Long Beach and Signal Hill, and sections of surrounding communities including Lakewood, Bellflower, Compton, Seal Beach, Paramount, and Los Alamitos. Long Beach's customer load profile is 50 percent residential and 50 percent commercial/industrial.

As a municipal utility, Long Beach's rates and policies are established by the City Council, which acts as the regulatory authority. The City Charter requires the gas utility to establish its rates comparable to the rates charged by surrounding gas utilities for similar types of service.

Long Beach receives approximately one third of its gas supply directly into its pipeline system from local production fields that are located within Long Beach's service territory, as well as offshore. The other two thirds of Long Beach's gas supply is purchased at the California border, primarily from the Southwestern United States. Long Beach, as a wholesale customer, receives intrastate transmission service for this gas from SoCalGas.

The City of Long Beach and Long Beach Energy has embarked on a renewable energy partnership with Siemens Solar Industries to promote alternative energy sources that are friendly to the environment. As part of the partnership, Long Beach Energy offered a free program to train electricians in the installation of the new Siemens Solar earthsafe™ solar electric system. Long Beach Energy is preparing a citywide advertising campaign with materials Siemens developed that inform residents about the way solar electric systems work and the benefits of stabilizing energy costs.

2002
California
Gas
Report

***CITY OF LONG BEACH ENERGY
DEPARTMENT - TABULAR DATA***

City of Long Beach Energy Department

CITY OF LONG BEACH - ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY RECORDED YEARS 1997 THRU 2001

LINE	GAS SUPPLY AVAILABLE	1997	1998	1999	2000	2001	LINE
	California Source Gas						
1	Regular Purchases						1
2	Received for Exchange/Transport						2
3	Total California Source Gas						3
4	Purchases from Other Utilities						4
	Out-of-State Gas						
5	Pacific Interstate Companies						5
6	Additional Core Supplies						6
7	Incremental Supplies						7
8	Out-of-State Transport						8
9	Total Out-of-State Gas						9
10	Subtotal						10
11	Underground Storage Withdrawal						11
12	GAS SUPPLY AVAILABLE						12
	GAS SUPPLY TAKEN						
	California Source Gas						
13	Regular Purchases	11	11	10	11	11	13
14	Received for Exchange/Transport	0	0	0	0	0	14
15	Total California Source Gas	11	11	10	11	11	15
16	Purchases from Other Utilities	0	0	0	0	0	16
	Out-of-State Gas						
17	Pacific Interstate Companies	0	0	0	0	0	17
18	Additional Core Supplies	0	0	0	0	0	18
19	Incremental Supplies	21	25	27	24	21	19
20	Out-of-State Transport	0	0	0	0	0	20
21	Total Out-of-State Gas	21	25	27	24	21	21
22	Subtotal	32	36	37	35	32	22
23	Underground Storage Withdrawal	0	0	0	0	0	23
24	TOTAL Gas Supply Taken & Transported	32	36	37	35	32	24

City of Long Beach Energy Department

CITY OF LONG BEACH - ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY RECORDED YEARS 1997 THRU 2001

LINE	ACTUAL DELIVERIES BY END-USE	1997	1998	1999	2000	2001	LINE
1	CORE Residential	16	18	18	17	17	1
2	CORE/NONCORE Commercial	7	7	7	7	7	2
3	CORE/NONCORE Industrial	9	10	10	9	7	3
4	Subtotal	31	35	36	33	31	4
5	NON CORE Non-EOR Cogeneration	0	0	0	0	0	5
6	EOR Cogen. & Steaming	0	0	0	0	0	6
7	Electric Utilities	0	0	0	0	0	7
8	Subtotal	0	0	0	0	0	8
9	WHOLESALE Residential	0	0	0	0	0	9
10	Com. & Ind., others	0	0	0	0	0	10
11	Electric Utilities	0	0	0	0	0	11
12	Subtotal-WHOLESALE	0	0	0	0	0	12
13	Co. Use & LUAF	0	1	0	1	1	13
14	Subtotal-END USE	31	36	36	35	32	14
15	Storage Injection	0	0	0	0	0	15
16	SYSTEM TOTAL-THROUGHPUT	31	36	36	35	32	16
ACTUAL TRANSPORTATION AND EXCHANGE							
17	Residential	N/A	N/A	N/A	N/A	N/A	17
18	Commercial/Industrial	N/A	N/A	N/A	N/A	N/A	18
19	Non-EOR Cogeneration	N/A	N/A	N/A	N/A	N/A	19
20	EOR Cogen. & Steaming	N/A	N/A	N/A	N/A	N/A	20
21	Electric Utilites	N/A	N/A	N/A	N/A	N/A	21
22	Subtotal-RETAIL	21	25	27	24	21	22
23	WHOLESALE All-End Uses	0	0	0	0	0	23
24	TOTAL TRANSPORTATION & EXCHANGE	21	25	27	24	21	24
ACTUAL CURTAILMENT							
25	Residential	0	0	0	0	0	25
26	Commercial/Industrial	0	0	0	0	0	26
27	Non-EOR Cogeneration	0	0	0	0	0	27
28	EOR Cogen. & Steaming	0	0	0	0	0	28
29	Electric Utilites	0	0	0	0	0	29
30	Wholesale	0	0	0	0	0	30
31	TOTAL- Curtailment	0	0	0	0	0	31
32	REFUSAL	0	0	0	0	0	32

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

City of Long Beach Energy Department

CITY OF LONG BEACH - ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY

ESTIMATED YEARS 2002 THRU 2006

AVERAGE TEMPERATURE YEAR

LINE	CAPACITY AVAILABLE	2002	2003	2004	2005	2006	LINE	
1	California Source Gas						1	
2	Out-of-State Gas						2	
3	TOTAL CAPACITY AVAILABLE							3
<u>GAS SUPPLY TAKEN</u>								
4	California Source Gas	11	11	11	11	11	4	
5	Out-of-State Gas	22	22	22	22	24	5	
6	TOTAL SUPPLY TAKEN							6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7	
8	TOTAL THROUGHPUT (1)							8
<u>REQUIREMENTS FORECAST BY END-USE (1)</u>								
9	CORE							
	Residential	17	17	17	17	17	9	
10	Commercial	5	5	5	5	5	10	
11	NGV	0	0	0	0	0	11	
12	Subtotal-CORE							12
13	NONCORE							
	Industrial	9	8	8	8	8	13	
14	Non-EOR Cogeneration	1	1	1	1	1	14	
15	EOR	0	0	0	0	0	15	
16	Utility Electric Generation	0	0	0	0	0	16	
17	NGV	0	0	0	0	0	17	
18	Subtotal-NONCORE							18
19	Co. Use & LUAF	0	0	0	0	0	19	
20	SYSTEM TOTAL THROUGHPUT (1)							20
21	SYSTEM CURTAILMENT	0	0	0	0	0	21	
<u>TRANSPORTATION</u>								
22	CORE							
	All End Uses	13	13	13	13	16	22	
23	NONCORE							
	Industrial	9	8	8	8	8	23	
24	Non-EOR Cogeneration	1	1	1	1	1	24	
25	EOR	0	0	0	0	0	25	
26	Utility Electric Generation	0	0	0	0	0	26	
27	Subtotal NONCORE							27
28	TOTAL TRANSPORTATION							28

(1) Requirement forecast by end-use includes sales and transportation volumes.

City of Long Beach Energy Department

CITY OF LONG BEACH - ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY

ESTIMATED YEARS 2007 THRU 2022

AVERAGE TEMPERATURE YEAR

LINE	CAPACITY AVAILABLE	2007	2010	2015	2020	2022	LINE
1	California Source Gas						1
2	Out-of-State Gas						2
3	TOTAL CAPACITY AVAILABLE						3
<u>GAS SUPPLY TAKEN</u>							
4	California Source Gas	10	10	10	10	10	4
5	Out-of-State Gas	22	22	22	22	22	5
6	TOTAL SUPPLY TAKEN	32	32	32	32	32	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT (1)	32	32	32	32	32	8
<u>REQUIREMENTS FORECAST BY END-USE (1)</u>							
9	CORE						9
	Residential	17	17	17	17	17	9
10	Commercial	5	5	5	5	5	10
11	NGV	0	0	0	0	0	11
12	Subtotal-CORE	23	23	23	23	23	12
13	NONCORE						13
	Industrial	8	8	8	8	8	13
14	Non-EOR Cogeneration	1	1	1	1	1	14
15	EOR	0	0	0	0	0	15
16	Utility Electric Generation	0	0	0	0	0	16
17	NGV	0	0	0	0	0	17
18	Subtotal-NONCORE	9	9	9	9	9	18
19	Co. Use & LUAF	0	0	0	0	0	19
20	SYSTEM TOTAL THROUGHPUT (1)	32	32	32	32	32	20
21	SYSTEM CURTAILMENT	0	0	0	0	0	21
<u>TRANSPORTATION</u>							
22	CORE						22
	All End Uses	13	14	14	14	14	22
23	NONCORE						23
	Industrial	8	8	8	8	8	23
24	Non-EOR Cogeneration	1	1	1	1	1	24
25	EOR	0	0	0	0	0	25
26	Utility Electric Generation	0	0	0	0	0	26
27	Subtotal NONCORE	9	9	9	9	9	27
28	TOTAL TRANSPORTATION	23	23	23	23	23	28

(1) Requirement forecast by end-use includes sales and transportation volumes.