
2004
California
Gas
Report

***CITY OF LONG BEACH
ENERGY DEPARTMENT***

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The annual gas supply and requirements for the Long Beach Energy Department (Long Beach) are shown on the following tables for the years 1999 through 2003 and the estimated years 2004 through 2025. Long Beach prepared all forecasted requirements.

Serving approximately 145,000 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 ten percent 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. Previous to 2002, Long Beach received one third of its gas supply through local production. In 2001, THUMS began using the majority of State-owned gas to fuel its co-generation facility located in the Port. This has resulted in larger demand of gas supply to be 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.

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

LONG BEACH ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY RECORDED YEARS 1999 THRU 2003

LINE	GAS SUPPLY AVAILABLE	1999	2000	2001	2002	2003	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	10	11	11	10	4	13
14	Received for Exchange/Transport	0	0	0	0	0	14
15	Total California Source Gas	10	11	11	10	4	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	27	24	21	21	29	19
20	Out-of-State Transport	0	0	0	0	0	20
21	Total Out-of-State Gas	27	24	21	21	29	21
22	Subtotal	37	35	32	31	33	22
23	Underground Storage Withdrawal	0	0	0	0	0	23
24	TOTAL Gas Supply Taken & Transported	37	35	32	31	33	24

LONG BEACH ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND SENDOUT - MMCF/DAY RECORDED YEARS 1999 THRU 2003

LINE	ACTUAL DELIVERIES BY END-USE		1999	2000	2001	2002	2003	LINE
1	CORE	Residential	18	17	17	16	16	1
2	CORE/NONCORE	Commercial	7	7	7	7	7	2
3	CORE/NONCORE	Industrial	10	9	7	6	7	3
4		Subtotal	36	33	31	29	30	4
5	NON CORE	Non-EOR Cogeneration	0.1	0.0	0.1	0.2	3	5
6		EOR Cogen. & Steaming	0	0	0	0	0	6
7		Electric Utilities	0	0	0	0	0	7
8		Subtotal	0.1	0.0	0.1	0.2	3	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	0.5	1	1	0.5	0.0	13
14		Subtotal-END USE	36	35	32	30	33	14
15		Storage Injection	0	0	0	0	0	15
16		SYSTEM TOTAL-THROUGHPUT	36	35	32	30	33	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 Utilities	N/A	N/A	N/A	N/A	N/A	21
22		Subtotal-RETAIL	27	24	21	21	29	22
23	WHOLESALE	All End Uses	0	0	0	0	0	23
24		TOTAL TRANSPORTATION & EXCHANGE	27	24	21	21	29	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 Utilities	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.

LONG BEACH ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY ESTIMATED YEARS 2004 THRU 2008

AVERAGE TEMPERATURE YEAR

LINE	CAPACITY AVAILABLE	2004	2005	2006	2007	2008	LINE
1	California Source Gas						1
2	Out-of-State Gas						2
3	TOTAL CAPACITY AVAILABLE						3
GAS SUPPLY TAKEN							
4	California Source Gas	3	3	3	3	3	4
5	Out-of-State Gas	30	31	30	31	30	5
6	TOTAL SUPPLY TAKEN	34	34	34	34	33	6
7	Net Underground Storage Withdrawal	0	0	0	0	0	7
8	TOTAL THROUGHPUT (1)	34	34	34	34	33	8
REQUIREMENTS FORECAST BY END-USE (1)							
9	CORE						9
10	Residential	17	17	17	17	17	10
11	Commercial	5	5	5	5	5	11
12	NGV	0.1	0.1	0.1	0.1	0.1	12
	Subtotal-CORE	22	22	22	22	23	12
13	NONCORE						13
14	Industrial	8	8	8	8	8	14
15	Non-EOR Cogeneration	3	3	3	3	3	15
16	EOR	0	0	0	0	0	16
17	Utility Electric Generation	0	0	0	0	0	17
18	NGV	0	0	0	0	0	18
	Subtotal-NONCORE	11	11	11	11	11	18
19	Co. Use & LUAF	0.3	0.3	0.3	0.3	0.3	19
20	SYSTEM TOTAL THROUGHPUT (1)	33	33	33	33	33	20
21	SYSTEM CURTAILMENT	0	0	0	0	0	21
TRANSPORTATION							
22	CORE						22
	All End Uses	23	23	23	23	23	22
23	NONCORE						23
24	Industrial	8	8	8	8	8	24
25	Non-EOR Cogeneration	3	3	3	3	3	25
26	EOR	0	0	0	0	0	26
27	Utility Electric Generation	0	0	0	0	0	27
	Subtotal NONCORE	11	11	11	11	11	27
28	TOTAL TRANSPORTATION	34	34	33	34	33	28

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

LONG BEACH ENERGY DEPARTMENT

ANNUAL GAS SUPPLY AND REQUIREMENTS - MMCF/DAY ESTIMATED YEARS 2010 THRU 2025

AVERAGE TEMPERATURE YEAR

LINE	CAPACITY AVAILABLE		2010	2013	2016	2020	2025	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		3	3	3	3	3	4
5	Out-of-State Gas		30	30	30	30	30	5
6	TOTAL SUPPLY TAKEN		33	33	33	34	34	6
7	Net Underground Storage Withdrawal		0	0	0	0	0	7
8	TOTAL THROUGHPUT (1)		33	33	33	34	34	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	0.1	0.1	0.1	0.1	0.1	11
12		Subtotal-CORE	23	23	23	22	22	12
13	NONCORE	Industrial	8	8	8	8	8	13
14		Non-EOR Cogeneration	3	3	3	3	3	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	11	11	11	11	11	18
19		Co. Use & LUAF	0.3	0.3	0.3	0.3	0.3	19
20	SYSTEM TOTAL THROUGHPUT (1)		33	33	33	33	33	20
21	SYSTEM CURTAILMENT		0	0	0	0	0	21
<u>TRANSPORTATION</u>								
22	CORE	All End Uses	23	23	23	23	23	22
23	NONCORE	Industrial	8	8	8	8	8	23
24		Non-EOR Cogeneration	3	3	3	3	3	24
25		EOR	0	0	0	0	0	25
26		Utility Electric Generation	0	0	0	0	0	26
27		Subtotal NONCORE	11	11	11	11	11	27
28	TOTAL TRANSPORTATION		34	33	33	33	33	28

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