
2002
California
Gas
Report

**LOS ANGELES DEPARTMENT
OF WATER AND POWER**

LOS ANGELES DEPARTMENT OF WATER AND POWER

LOS ANGELES DEPARTMENT OF WATER AND POWER

The Los Angeles Department of Water and Power (LADWP), the nation's largest municipally owned utility, supplies water and electricity to approximately 3.8 million residents of the nation's second largest city. Throughout the last three decades, the LADWP has diversified its generation resources in order to spread the risk of fuel supply over a diverse array of generation facilities both inside and outside the Los Angeles basin. Recognizing the need to minimize the impact of electric generation on basin air quality, LADWP gradually achieved the goal of 100-percent gas utilization. Currently, the LADWP basin gas generation facilities provide approximately 20 percent of annual generation needs, burning 57.2 Bcf in calendar year 2001.

Within the last 6 years, LADWP has seen a gas usage range from a high of 68.1 Bcf to a low consumption of 19.7 Bcf. The abundance of coal-fired generation and other economy energy purchase options have combined to limit basin gas-fired generation. Oil burning has been relegated to the status of emergency backup, unused in the last 13 years.

LADWP's natural gas demand forecast is presented in the following tables for 2002 through 2022 and was developed in March 2002. It was based on the preliminary Fuel and Purchased Power Budget for native load only. The forecast assumes no energy is obtained from outside purchases, Renewable Energy, Distributed Generation, DSM, or any LADWP programs. Normal weather conditions, growth in the economy, and LADWP's increasing electric sales are also factored in. The LADWP projects an increase of electricity sales due to lower electric rates and growth in the economy as California continues to recover from recession.

LADWP holds firm capacity rights on three interstate pipelines, the value of which has increased with the passage of time. This capacity also provides LADWP with flexibility in establishing its supply portfolio and provides a measure of security.

The LADWP is undergoing a significant corporate restructuring to achieve the necessary competitiveness to survive in a deregulated environment. Current plans call for significant debt reduction by 2003, enhanced services for existing customers, and flexibility to negotiate rates for large commercial/industrial customers.

Since LADWP is entitled to approximately 27 percent of the electric transmission into California, it intends to remain active in governmental and regulatory proceedings affecting both gas and electric issues.

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***LOS ANGELES DEPARTMENT OF
WATER AND POWER – TABULAR DATA***

LOS ANGELES DEPARTMENT OF WATER AND POWER

**Los Angeles Department of Water and Power
ANNUAL GAS SUPPLY AND SENDOUT
RECORDED YEARS 1997-2001
MMCF/DAY**

LINE	GAS SUPPLY AVAILABLE	1997	1998	1999	2000	2001	LINE
1	California Source Gas						1
	Out-of-State Gas						
2	California Offshore - POPCO/PIOC						2
3	El Paso Natural Gas Co.						3
4	Transwestern Pipeline Co.						4
5	Kern /Mojave						5
6	PGT/PG&E						6
7	Other						7
8	TOTAL Out-of-State Gas						8
9	Subtotal						9
10	Underground Storage Withdrawal						10
11	TOTAL GAS SUPPLY AVAILABLE						11
	GAS SUPPLY TAKEN						
12	California Source Gas	0	0	0	0	0	12
	Out-of-State Gas						
13	Pacific Interstate Companies	0	0	0	0	0	13
14	Other Out-of-State	54	82	148	185	157	14
15	Total Out-of-State Gas	54	82	148	185	157	15
16	Subtotal	54	82	148	185	157	
17	Underground Storage Withdrawal	0	0	0	0	0	17
18	TOTAL GAS SUPPLY TAKEN	54	82	148	185	157	18

LOS ANGELES DEPARTMENT OF WATER AND POWER

Los Angeles Department of Water and Power
ANNUAL GAS SUPPLY AND SENDOUT
RECORDED YEARS 1997-2001
MMCF/DAY

LINE	ACTUAL DELIVERIES BY END-USE		1997	1998	1999	2000	2001	LINE
1	CORE	Residential	0	0	0	0	0	1
2	CORE/NONCORE	Commercial	0	0	0	0	0	2
3	CORE/NONCORE	Industrial	0	0	0	0	0	3
4		Subtotal	0	0	0	0	0	4
5	NONCORE	Non-EOR Cogeneration	0	0	0	0	0	5
6		EOR Cogen. & Steaming	0	0	0	0	0	6
7		Electric Utilities	53	82	148	185	157	7
8		Subtotal	53	82	148	185	157	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	0	0	0	0	13
14		Subtotal-END USE	53	82	148	185	157	14
15		Storage Injection	0	0	0	0	0	15
16	SYSTEM TOTAL THROUGHPUT		53	82	148	185	157	16
<u>ACTUAL TRANSPORTATION AND EXCHANGE</u>								
17	CORE	All End Uses	0	0	0	0	0	17
18	NONCORE	Commercial/Industrial	0	0	0	0	0	18
19		Non-EOR Cogeneration	0	0	0	0	0	19
20		EOR Cogen. & Steaming	0	0	0	0	0	20
21		Electric Utilities	53	82	148	185	157	21
22		Subtotal-RETAIL	53	82	148	185	157	22
23	WHOLESALE	All End Uses	0	0	0	0	0	23
24	TOTAL TRANSPORTATION & EXCHANGE		53	82	148	185	157	24
<u>CURTAILMENT (RETAIL & WHOLESALE)</u>								
25		Core	0	0	0	0	0	25
26		Noncore	0	0	0	0	0	26
27		TOTAL-Curtailment	0	0	0	0	0	27
28	REFUSAL		0	0	0	0	0	28

LOS ANGELES DEPARTMENT OF WATER AND POWER

Los Angeles Department of Water and Power

ANNUAL GAS SUPPLY AND REQUIREMENTS

FORECAST YEARS 2002 THRU 2006

MMCF/DAY

AVERAGE TEMPERATURE YEAR

LINE	GAS SUPPLY AVAILABLE	2002	2003	2004	2005	2006	LINE
1	California Source Gas	0	0	0	0	0	1
	Out-of-State Gas						
2	California Offshore - POPCO/PIOC	0	0	0	0	0	2
3	El Paso Natural Gas Co.	36	36	36	36	36	3
4	Transwestern Pipeline Co.	0	0	0	0	0	4
5	Kern /Mojave	158	196	196	196	196	5
6	PGT/PG&E	0	0	0	0	0	6
7	Other	0	0	0	0	0	7
8	TOTAL Out-of-State Gas	194	232	232	232	232	8
9	Subtotal	194	232	232	232	232	9
10	Underground Storage Withdrawal	0	0	0	0	0	10
11	TOTAL GAS SUPPLY AVAILABLE	194	232	232	232	232	11
	GAS SUPPLY TAKEN						
12	California Source Gas	0	0	0	0	0	12
	Out-of-State Gas						
13	Pacific Interstate Companies	0	0	0	0	0	13
14	Other Out-of-State	198	211	185	170	179	14
15	Total Out-of-State Gas	198	211	185	170	179	15
16	Subtotal	198	211	185	170	179	
17	Underground Storage Withdrawal	0	0	0	0	0	17
18	TOTAL GAS SUPPLY TAKEN	198	211	185	170	179	18
	REQUIREMENTS FORECAST BY END-USE						
1	CORE						
2	Residential	0	0	0	0	0	1
3	Commercial	0	0	0	0	0	2
4	Industrial	0	0	0	0	0	3
5	Subtotal	0	0	0	0	0	4
6	NONCORE						
7	Non-EOR Cogeneration	0	0	0	0	0	5
8	EOR Cogen. & Steaming	0	0	0	0	0	6
9	Electric Utilities	198	211	185	170	179	7
10	Subtotal	198	211	185	170	179	8
11	WHOLESALE						
12	Residential	0	0	0	0	0	9
13	Com. & Ind., others	0	0	0	0	0	10
14	Electric Utilities	0	0	0	0	0	11
15	Subtotal WHOLESALE	0	0	0	0	0	12
16	Co. Use & LUAF	0	0	0	0	0	13
17	Subtotal-END USE	198	211	185	170	179	14
18	Storage Injection	0	0	0	0	0	15
19	SYSTEM TOTAL THROUGHPUT	198	211	185	170	179	16
	TRANSPORTATION AND EXCHANGE						
20	CORE						
21	All End Uses	0	0	0	0	0	17
22	NONCORE						
23	Commercial/Industrial	0	0	0	0	0	18
24	Non-EOR Cogeneration	0	0	0	0	0	19
25	EOR Cogen. & Steaming	0	0	0	0	0	20
26	Electric Utilities	198	211	185	170	179	21
27	Subtotal-RETAIL	198	211	185	170	179	22
28	WHOLESALE						
29	All End Uses	0	0	0	0	0	23
30	TOTAL TRANSPORTATION & EXCHANGE	198	211	185	170	179	24
	CURTAILMENT (RETAIL & WHOLESALE)						
31	Core	0	0	0	0	0	25
32	Noncore	0	0	0	0	0	26
33	TOTAL-Curtailment	0	0	0	0	0	27
34	REFUSAL	0	0	0	0	0	28

LOS ANGELES DEPARTMENT OF WATER AND POWER

Los Angeles Department of Water and Power

ANNUAL GAS SUPPLY AND REQUIREMENTS

FORECAST YEARS 2007-2022

MMCF/DAY

AVERAGE TEMPERATURE YEAR

LINE	GAS SUPPLY AVAILABLE	2007	2010	2015	2020	2022	LINE
1	California Source Gas	0	0	0	0	0	1
	Out-of-State Gas						
2	California Offshore - POPCO/PIOC	0	0	0	0	0	2
3	El Paso Natural Gas Co.	0	0	0	0	0	3
4	Transwestern Pipeline Co.	0	0	0	0	0	4
5	Kern /Mojave	0	0	0	0	0	5
6	PGT/PG&E	0	0	0	0	0	6
7	Other	0	0	0	0	0	7
8	TOTAL Out-of-State Gas	0	0	0	0	0	8
9	Subtotal	0	0	0	0	0	9
10	Underground Storage Withdrawal	0	0	0	0	0	10
11	TOTAL GAS SUPPLY AVAILABLE	0	0	0	0	0	11
	GAS SUPPLY TAKEN						
12	California Source Gas	0	0	0	0	0	12
	Out-of-State Gas						
13	Pacific Interstate Companies	0	0	0	0	0	13
14	Other Out-of-State	187	215	239	262	279	14
15	Total Out-of-State Gas	187	215	239	262	279	15
16	Subtotal	187	215	239	262	279	
17	Underground Storage Withdrawal	0	0	0	0	0	17
18	TOTAL GAS SUPPLY TAKEN	187	215	239	262	279	18
LINE	REQUIREMENTS FORECAST BY END-USE						
1	CORE Residential	0	0	0	0	0	1
2	CORE/NONCORE Commercial	0	0	0	0	0	2
3	CORE/NONCORE Industrial	0	0	0	0	0	3
4	Subtotal	0	0	0	0	0	4
5	NONCORE Non-EOR Cogeneration	0	0	0	0	0	5
6	NONCORE EOR Cogen. & Steaming	0	0	0	0	0	6
7	NONCORE Electric Utilities	187	215	239	262	279	7
8	Subtotal	187	215	239	262	279	8
9	WHOLESALE Residential	0	0	0	0	0	9
10	WHOLESALE Com. & Ind., others	0	0	0	0	0	10
11	WHOLESALE Electric Utilities	0	0	0	0	0	11
12	Subtotal WHOLESale	0	0	0	0	0	12
13	Co. Use & LUAF	0	0	0	0	0	13
14	Subtotal-END USE	187	215	239	262	279	14
15	Storage Injection	0	0	0	0	0	15
16	SYSTEM TOTAL THROUGHPUT	187	215	239	262	279	16
	TRANSPORTATION AND EXCHANGE						
17	CORE All End Uses	0	0	0	0	0	17
18	NONCORE Commercial/Industrial	0	0	0	0	0	18
19	NONCORE Non-EOR Cogeneration	0	0	0	0	0	19
20	NONCORE EOR Cogen. & Steaming	0	0	0	0	0	20
21	NONCORE Electric Utilities	187	215	239	262	279	21
22	Subtotal-RETAIL	187	215	239	262	279	22
23	WHOLESALE All End Uses	0	0	0	0	0	23
24	TOTAL TRANSPORTATION & EXCHANGE	187	215	239	262	279	24
	CURTAILMENT (RETAIL & WHOLESALE)						
25	Core	0	0	0	0	0	25
26	Noncore	0	0	0	0	0	26
27	TOTAL-Curtailment	0	0	0	0	0	27
28	REFUSAL	0	0	0	0	0	28