

Received _____

Examined _____

U# _____

2003
ANNUAL REPORT
OF
DISTRICT WATER SYSTEM OPERATIONS
OF

Southern California Water Company

(NAME OF CORPORATION)

Name of District: Metropolitan

Location: Gardena, Los Angeles
(TOWN OR CITY) (COUNTY)

TO THE
PUBLIC UTILITIES COMMISSION
STATE OF CALIFORNIA
FOR THE
YEAR ENDED DECEMBER 31, 2003

REPORT MUST BE FILED NOT LATER THAN MARCH 31, 2003
(FILE TWO COPIES IF THREE RECEIVED)

SCHEDULE A -1a
Utility Plant In Service

Line No.	Acct. No.	Account (a)	Balance Beginning of Year (b)	Plant Additions During Year (c)	Plant Retirements During Year (d)	Other Debits or (Credits) (e)	Balance End of Year (f)
1		I. INTANGIBLE PLANT					
2	301	Organization	17,530	0			17,530
3	302	Franchise & consents (Sch. A-1b)	22,671	0			22,671
4	303	Other intangible plant	2,346,697	(85,743)			2,260,954
5		Total Intangible Plant	2,386,899	(85,743)	0	0	2,301,156
6		II. LANDED CAPITAL					
7	306	Land and land rights	476,097	0	0		476,097
8		III. SOURCE OF SUPPLY PLANT					
9	311	Structure and improvements	0	7,541			7,541
10	312	Collecting and impounding reservoirs	30,194	0			30,194
11	313	Lake, river and other intakes		0			
12	314	Springs and tunnels		0			
13	315	Wells	7,333,727	786,203			8,119,930
14	316	Supply mains	1,890,210	800,590	(10)		2,690,790
15	317	Other source of supply plant	34,410	0			34,410
16		Total Source of Supply Plant	9,288,641	1,594,336	(10)	0	10,882,866
17		IV. PUMPING PLANT					
18	321	Structures and improvements	1,831,278	9,991			1,841,269
19	322	Boiler plant equipment		0			
20	323	Other power production equipment		0			
21	324	Pumping equipment	18,365,286	186,070	(28,827)		18,522,529
22	325	Other pumping plant	989,488	0			989,488
23		Total Pumping Plant	21,186,062	196,061	(28,827)	0	21,353,286
24		V. WATER TREATMENT PLANT					
25	331	Structures and improvements	1,155,702	11,336			1,167,038
26	332	Water treatment equipment	4,479,322	64,841	0		4,544,163
27		Total Water Treatment Plant	5,635,024	76,177	0	0	5,711,201
28		VI. TRANSMISSION AND DIST. PLANT					
29	341	Structures and improvements	255,989	0			255,989
30	342	Reservoirs and tanks	4,835,098	(8,625)			4,826,473
31	343	Transmission and distribution mains	102,730,159	4,473,800	(123,062)		107,080,896
32	344	Fire mains					
33	345	Services	32,717,467	1,699,313	(13,819)		34,402,962
34	346	Meters	19,093,242	128,904	(3,473,793)		15,748,354
35	347	Meter installations		0			
36	348	Hydrants	14,823,700	355,061	(10,268)		15,168,493
37	349	Other transmission and distribution plant	506,882	45,604			552,487
38		Total Transmission & Distribution Plant	174,962,538	6,694,058	(3,620,942)	0	178,035,653
39		VII. GENERAL PLANT					
40		General Office Net Investment					
41	371	Structures and improvements	1,729,585	37,736			1,767,321
42	372	Office furniture and equipment	637,516	3,862	(32,836)		608,542
43	373	Transportation equipment	1,518,954	(32,535)	(240,147)		1,246,272
44	374	Stores equipment					
45	375	Laboratory equipment	478	0			478
46	376	Communication equipment	288,293	497			288,790
47	377	Power operated equipment	320,813	54,470	(12,203)		363,080
48	378	Tools, shop and garage equipment	630,701	48,738	12,203		691,642
49	379	Other general plant	20,463	0			20,463
50		Total General Plant	5,146,804	112,768	(272,983)	0	4,986,589
51		VIII. UNDISTRIBUTED ITEMS					
52	390	Other tangible property	11,895	0			11,895
53	391	Utility plant purchased	15,254,215	0			15,254,215
54	392	Utility plant sold		0			
55		Total Undistributed Items	15,266,110	0	0	0	15,266,110
56		Total Utility Plant In Service	234,348,066	8,587,655	(3,922,762)	0	239,012,959

**SCHEDULE A-1d
DISTRICT RATE BASE**

Line No.	Acct.	Title of Account (a)	Schedule Page No. (b)	Balance End-of-Year (c)	Balance Beginning of Year (d)
1		RATE BASE			
2					
3		Utility Plant			
4		Plant in Service		239,012,959	234,348,066
5		Construction Work in Progress		11,962,422	4,087,646
6		Acquisition adjustment		-832,1054	-832,1054
7		Total Gross Plant (Line 4 + Line 5 + Line 6)		242,654,327	230,114,658
8					
9		Less Accumulated Depreciation			
10		Plant in Service		59,589,339	57,841,117
11		General Office Prorate			
12		Total Accumulated Depreciation (Line 10 + Line 11)		59,589,339	57,841,117
13					
14		Less Other Reserves			
15		Deferred Income Taxes		11,366,527	10,388,667
16		Deferred Investment Tax Credit		518,639	530,171
17		Other Reserves			
18		Total Other Reserves (Line 15 + Line 16 + Line 17)		11,885,166	10,918,838
19					
20		Less Adjustments			
21		Contributions in Aid of Construction		14,669,945	13,569,569
22		Advances for Construction		7,925,992	8,179,634
23		Other			
24		Total Adjustments (Line 21 + Line 22 + Line 23)		22,595,937	21,749,203
25					
26		Add Materials and Supplies		251,779	232,446
27					
28		Add Working Cash (From Schedule A-1d(2))		2,121,600	2,121,600
29					
		Add General Office, Regions, District office, CSA allocation		13,815,294	15,353,742
30					
31		TOTAL RATE BASE		164,772,559	157,313,288
32					
33					
34		Note: Allocations from General Office to Regions, to District			
35		office to CSA is a one line item			
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					

SCHEDULE A-1d (2)
RATE BASE
Working Cash Calculation

Line No.	Acct.	Title of Account (a)	Schedule Page No. (b)	Balance End-of-Year (c)	Balance Beginning of Year (d)
1		Working Cash			
2					
3		Determination of Operational Cash Requirement			
4		1. Operating Expenses, Excl Taxes, Depr. & Uncoll.			
5		2. Purchased Power & Commodity for Resale*			
6		3. Meter Revenues: Bimonthly Billing			
7		4. Other Revenues: Flat Rate Monthly Billing			
8		5. Total Revenues (3 + 4)			
9		6. Ratio - Flat Rate to Total Revenues (4 / 5)			
10		7. $5/24 \times \text{Line 1} \times (100\% - \text{Line 6})$			
11		8. $1/24 \times \text{Line 1} \times \text{Line 6}$			
12		9. $1/12 \times \text{Line 2}$			
13		10. Operational Cash Requirement (7 + 8 - 9)		See Schedule attached	
14					
15					
16		* Electric power, gas or other fuel purchased for pumping and/or purchased commodity for resale billed after receipt (metered).			
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					

SOUTHERN CALIFORNIA WATER COMPANY
METROPOLITAN DISTRICT

DEVELOPMENT OF AVERAGE LAG IN PAYMENT OF EXPENSES AND
TAXES AND ACCRUING DEPRECIATION

CPUC WUDF ACCOUNT DESCRIPTION	(a)	(b) 1999 PROPOSED (\$000's)	(c) AVG. NO. OF DAYS LAG	(d) THOUSAND DOLLAR-DAYS LAG
OPERATING EXPENSES:				
70400	PURCHASED WATER	24,862.3	40.0	986,493.2
72600	POWER FOR PUMPING	1,330.3	26.0	34,588.8
73500	PUMP TAXES	3,475.5	89.0	309,319.1
74400	CHEMICALS	310.8	28.0	8,075.7
77300	COMMON CUSTOMER ACCOUNT	1,097.8	10.7	11,892.9
77325	POSTAGE	0.0	0.0	0.0
77500	UNCOLLECTIBLES	504.1	0.0	0.0
78000	OPERATION LABOR	1,657.4	12.5	23,217.3
78100	ALL OTHER OPERATION EXPENSES	907.3	26.0	23,589.8
78700	MAINTENANCE LABOR	1,427.8	12.5	17,847.2
78800	ALL OTHER MAINTENANCE EXPENSES	2,184.0	26.0	56,784.0
79200	OFFICE SUPPLIES AND EXPENSE	848.0	26.0	16,795.1
79300	PROPERTY INSURANCE	44.8	(112.0)	(4,984.7)
79400	INJURIES AND DAMAGES	654.7	(149.0)	(97,554.0)
79500	PENSIONS AND BENEFITS	1,932.9	48.0	92,777.4
79600	FRANCHISE REQUIREMENTS	15.3	26.0	397.4
79700	REGULATORY COMMISSION	155.7	26.0	4,048.2
79800	OUTSIDE SERVICES	232.9	26.0	6,055.3
79900	MISCELLANEOUS	129.4	26.0	3,287.4
79910	ALLOCATED GENERAL OFFICE	6,299.3	10.7	67,105.2
80500	ALL OTHER MAINT. GENERAL PLANT	105.0	26.0	2,731.2
81100	RENT	419.9	26.0	10,918.2
81500	A&G LABOR	648.7	12.5	8,109.3
50300	DEPRECIATION AND AMORTIZATION	4,339.4	0.0	0.0
50710	PROPERTY TAXES	1,257.0	40.0	50,281.6
50720	PAYROLL TAXES	319.3	4.0	1,277.4
50730	LOCAL TAXES	806.4	264.0	212,878.6
	STATE INCOME TAX	934.4	129.3	120,817.6
	FEDERAL INCOME TAX	3,577.1	78.7	274,385.1
	TOTAL OPERATING EXPENSES	60,272.1		2,240,902.4
	CPUC FEE (1.4% OF REVENUE)	943.4	90.0	84,902.7
	TOTAL	61,215.5		2,325,805.1
	AVERAGE LAG →			37.18

AVERAGE AMOUNT OF CASH REQUIRED AS A RESULT OF
PAYING EXPENSES, TAXES AND ACCRUING DEPRECIATION
IN ADVANCE OF COLLECTING REVENUES
(\$ in Thousands)

(1) Avg. Lag in Collection of Revenues	49.83 days
(2) Avg. Lag in Payment of Expenses, Taxes and Accruing Depreciation	37.18 days
(3) Excess of Collection Lag over Payment Lag	12.65 days
(4) Total of Expenses, Taxes and Depreciation	\$81,215.5
(5) Daily Total of Expenses, Taxes and Depreciation	\$167.7
(6) Average Amount of Working Cash Capital Required as a Result of Paying Exp., Taxes and Depr'n in Advance of Collecting Revenues	\$2,121.6

Schedule incorporate dollars (Accounts 793.00 Property Insurance, 794.00 Injuries and Damages, and 795.00 Pension & Benefits) for Working Cash calculation - Dollars were used expressly for working cash calculation.

SCHEDULE A-3a
Analysis of Entries In Depreciation Reserve - Account No. 250

Line No.	Acct. No.	DEPRECIABLE PLANT (a)	Balance Beginning of Year (b)	Credits to Reserve During Year Excl. Salvage (c)	Debits to Reserve During Year Excl. Cost Removal (d)	Salvage and Cost of Removal Net (dr.) or Cr. (e)	Balance End of Year (f)
6		I. SOURCE OF SUPPLY PLANT	0				0
7	311	Structure and improvements	(184)	184			0
8	312	Collecting and impounding reservoirs	(26,535)	(912)			(27,447)
9	313	Lake, river and other intakes	0				0
10	314	Springs and tunnels	0				0
11	315	Wells	(1,131,793)	(271,348)			(1,403,141)
12	316	Supply mains	(281,133)	(38,749)	10		(319,872)
13	317	Other source of supply plant	(6,013)	(926)			(6,939)
14		Total Source of Supply Plant	(1,445,658)	(311,751)	10	0	(1,757,399)
15		II. PUMPING PLANT					
16	321	Structures and improvements	(515,248)	(41,420)		8,399	(548,269)
17	322	Boiler plant equipment	0				0
18	323	Other power production equipment	0				0
19	324	Pumping equipment	(4,237,972)	(720,736)	28,827	12,911	(4,916,970)
20	325	Other pumping plant	(92,753)	(29,685)			(122,438)
21		Total Pumping Plant	(4,845,973)	(791,841)	28,827	21,310	(5,587,677)
22		III. WATER TREATMENT PLANT					
23	331	Structures and improvements	(145,122)	(34,298)		7,719	(171,701)
24	332	Water treatment equipment	(1,096,971)	(210,672)			(1,307,643)
25		Total Water Treatment Plant	(1,242,093)	(244,970)	0	7,719	(1,479,344)
26		IV. TRANS AND DIST. PLANT					
27	341	Structures and improvements	(20,355)	(7,219)			(27,574)
28	342	Reservoirs and tanks	(643,586)	(175,031)		129,300	(689,317)
29	343	Transmission and distribution mains	(20,420,117)	(1,879,962)	123,062	88,835	(22,088,182)
30	344	Fire mains	0				0
31	345	Services	(9,978,506)	(968,437)	13,819	71,950	(10,861,174)
32	346	Meters	(6,111,002)	(905,020)	3,473,793	(49,263)	(3,591,492)
33	347	Meter installations	0				0
34	348	Hydrants	(3,396,683)	(294,992)	9,106	18,852	(3,663,717)
35	349	Other transmission and distribution plant	(435,975)	(21,694)			(457,669)
36		Total Transmisslon & Distribution Plant	(41,006,224)	(4,252,355)	3,619,780	259,674	(41,379,125)
37		V. GENERAL PLANT					
38	371	Structures and improvements	(269,675)	(40,126)		135,729	(174,072)
39	372	Office furniture and equipment	(229,402)	(25,947)	98		(255,251)
40	373	Transportation equipment	(1,479,612)	(39,343)	278,811	(244)	(1,240,388)
41	374	Stores equipment	0				0
42	375	Laboratory equipment	(478)				(478)
43	376	Communication equipment	(154,039)	(12,022)			(166,061)
44	377	Power operated equipment	(192,246)	(7,988)			(200,234)
45	378	Tools, shop and garage equipment	(166,743)	(28,003)			(194,746)
46	379	Other general plant	(7,217)	(753)			(7,970)
47	390	Other tangible property	(77,772)	65,878			(11,894)
48	391	Water plant purchased	(5,984,880)	(177,374)			(6,162,254)
49		Total General Plant	(8,562,064)	(265,678)	278,909	135,485	(8,413,348)
50		TOTAL	(57,102,012)	(5,866,595)	3,927,526	424,188	(58,616,893)

**SCHEDULE A-3
Depreciation and Amortization Reserves**

Line No.	Item (a)	Account 250 Utility Plant (b)	Acct. 251 Limited-Term Utility Investment (c)	Acct. 252 Utility Plant Acquisition Adjustments (d)	Account 253 Electric Other Property (e)
1	Balance in reserves at beginning of year (adited)	57,102,018	739,111	0	0
2	Add: Credits to reserves during year				
3	(a) Charged to Account No. 503	5,500,805	233,339		
4	(b) Charged to Account No. 265	279,850			
5	(c) Charged to clearing accounts	85,940			
6	(d) Salvage recovered	49,508			
7	(e) All other credits				
8	Total Credits	5,916,103	233,339	0	0
9	Deduct: Debits to reserves during year				
10	(a) Book cost of property retired	3,927,527			
11	(b) Cost of removal	473,694			
12	(c) All other debits				
13	Total Debits	4,401,221	0	0	0
14	Balance in Reserves at Year End	58,616,900	972,450	0	0
15	State method of determining depreciation charges.	SLRL			
16					
17					
18	Report the depreciation claimed in your Federal Income Tax Return for the year \$				NOT AVAILABLE BY DISTRICT
19	Indicate the nature of these items and show the accounts affected by the centre entries.				

**SCHEDULE B-1
Operating Revenues**

Line No.	Acct. No.	Account (a)	Amount Current Year (b)	Amount Preceeding Year (c)	Net Change During Year Show Decrease in (Brackets) (d)
22		I. WATER SERVICE REVENUES			
23	601	Metered sales to general customers			
24	601.1	Commerical sales	72,242,984	69,138,214	3,104,770
25	601.2	Industrial sales	1,765,358	1,563,506	201,852
26	601.3	Sales to public authorities	4,000,834	3,977,894	22,940
27		Sub-total	78,009,176	74,679,614	3,329,562
28	602	Unmetered sales to general customers			
29	602.1	Commerical sales	(42)	0	(42)
30	602.2	Industrial sales			
31	602.3	Sales to public authorities			
32		Sub-total	(42)	0	(42)
33	603	Sales to irrigation customers			
34	603.1	Metered sales	237,033	118,737	118,296
35	603.2	Unmetered sales			
36		Sub-total	237,033	118,737	118,296
37	604	Private fire protection service	754,843	746,519	8,324
38	605	Public fire protection service			
39	606	Sales to other water utilities for resale			0
40	607	Sales to governmental agencies by contracts	425,525	395,914	29,611
41	608	Interdepartmental sales			
42	609	Other sales or service	36,424	7,923	28,501
43		Sub-total	1,216,792	1,150,356	66,436
44		Total Water Service Revenue	79,462,959	75,948,707	3,514,252
45					
46		II. OTHER WATER REVENUES			
47	611	Miscellaneous service revenue	52,370	70,847	(18,477)
48	612	Rent from water property			0
49	613	Interdepartmental rents			
50	614	Other water revenues	566,015	(155,509)	721,524
51		Total Other Water Revenues	618,385	(84,662)	703,047
52	501	Total Operating Revenues	80,081,344	75,864,045	4,217,299

SCHEDULE B-2								
Account No. 502 - Operating Expense - Class A, B, and C Water Utilities								
Line No.	Acct. No.	Account (a)	Class			Amount Current Year (b)	Amount Preceding Year (c)	Net Change During the Year (d)
			A	B	C			
1		I. SOURCE OF SUPPLY EXPENSE						
2		Operation						
3	701	Operation supervision and engineering	A	B		3,466,420	136,951	3,329,469
4		Supply cost balancing account						
5	702	Operation labor and expenses	A	B		1,202	1,806	(604)
6	703	Miscellaneous expenses	A			126	20	106
7	704	Purchased water and assessments	A	B	C	19,868,894	19,883,113	(14,219)
8		Maintenance						
9	706	Maintenance of supervision and engineering	A	B				
10	706	Maintenance of structures and facilities			C			
11	707	Maintenance of structures and improvements	A	B				
12	708	Maintenance of collect and impound reservoirs	A			6,580	53,738	(47,158)
13	708	Maintenance of source of supply facilities		B				
14	709	Maintenance of lakes, river and other intakes	A			70	140	(70)
15	710	Maintenance of springs and tunnels	A					
16	711	Maintenance of wells	A			170,118	705,892	(535,774)
17	712	Maintenance of supply mains	A			6,044	6,942	(898)
18	713	Maintenance of other source of supply plant	A	B				
19		Total Source of Supply Expense				23,519,454	20,788,602	2,730,852
20		II. PUMPING EXPENSES						
21		Operation						
22	721	Operation supervision and engineering	A	B		2,514	603	1,911
23	721	Operation supervision, labor and expenses			C			
24	722	Power production labor and expenses	A					
25	722	Power production labor, expenses and fuel		B				
26	723	Fuel for power production	A					
27	724	Pumping labor and expenses	A	B		418,823	293,448	125,375
28	725	Miscellaneous expenses	A			169,589	172,891	(3,102)
29	726	Fuel or power purchased for pumping	A	B	C	2,232,546	2,381,413	(148,867)
30		Maintenance						
31	729	Maintenance supervision and engineering	A	B		299	42,483	(42,184)
32	729	Maintenance of structures and equipment			C			
33	730	Maintenance of structures and improvements	A	B		147,016	144,995	2,021
34	731	Maintenance of power production equipment	A	B				
35	732	Maintenance of pumping equipment	A	B		302,603	165,869	136,734
36	733	Maintenance of other pumping plant	A	B				
37		Total Pumping Expenses				3,273,390	3,201,502	71,888
38		III. WATER TREATMENT EXPENSES						
39		Operation						
40	741	Operation supervision and engineering	A	B		0	631	(631)
41	741	Operation supervision, labor and expenses			C			
42	742	Operation labor and expenses	A			614,541	578,130	36,411
43	743	Miscellaneous expenses	A	B				
44	744	Chemical and filtering materials	A	B		527,882	429,456	98,426
45		Maintenance						
46	746	Maintenance supervision and engineering	A	B		2,798	563	2,235
47	746	Maintenance of structures and equipment			C			
48	747	Maintenance of structures and improvements	A	B		6,415	9,070	(2,655)
49	748	Maintenance of water treatment equipment	A	B		29,655	19,777	9,878
50		Total Water Treatment Expenses				1,181,291	1,037,627	143,664
51		IV. TRANS. AND DISTRIB. EXPENSES						
52		Operation						
53	751	Operation supervision and engineering	A	B		29,888	31,230	(1,342)
54	751	Operation supervision, labor and expenses			C			
55	752	Storage facilities expenses	A			1,688	171	1,517
56	752	Operation labor expenses		B				
57	753	Transmission and distribution line expenses	A			21,796	28,691	(6,895)
58	754	Meter expenses	A			232,226	247,323	(15,097)
59	755	Customer installations expenses	A			2,404	1,428	976
60	756	Miscellaneous expenses	A			468,641	446,179	22,462

SCHEDULE B - 4
Taxes Charged During Year

Line No.	Kind of Tax (a)	Total Taxes Charged During Year	DISTRIBUTION OF TAXES CHARGED			
			Water 507 (c)	Nonutility 521 (b)	Other (Electric) (c)	Capitalized (f)
1	Taxes on Real and Personal Property	1,916,021	1,916,021			
2	State Income Tax	1,417,980	1,417,980			
3	State Unemployment Insurance Tax	6,912	6,912			
4	Local Franchise Fees	890,699	890,699			
5	Federal Unemployment Insurance Tax	4,254	4,254			
6	Federal Insurance Contribution Act	233,457	233,457			
7	Federal Income Tax	2,037,678	2,037,678			
8	Pump Taxes	3,890,687	3,890,687			
9						
10						
11						
12						
13						
14		10,397,688	10,397,688	0	0	0

SCHEDULE D - 1									
Sources of Supply and Water Developed									
STREAMS				FLOW IN				Annual Quantities Diverted CCF	Remarks
Line No.	Diverted Into	From Stream or Creek	Location of Diversion Point	Priority Right		Diversions			
				Claim	Capacity	Max.	Min.		
1									
2				NONE					
3									
4									
5									
WELLS						Pumping Capacity	Annual Quantities Pumped	Remarks	
Line No.	At Plant	Location	Number	Dimensions	Depth to Water				
6									
7									
8			SEE SCHEDULE ATTACHED						
9									
10									
TUNNELS AND SPRINGS				FLOW IN		Annual Quantities Pumped	Remarks		
Line No.	Designation	Location	Number	Maximum	Minimum				
11									
12				NONE					
13									
14									
15									
Purchased Water for Resale									
16	Purchased from								
17	Annual quantities purchased from SEE COMPANY SCHEDULE								
18									
19									
SCHEDULE D - 2									
Description of Storage Facilities									
Line No.	Type	Number	Combined Capacity	Remarks					
20	A. Collecting reservoirs								
21	Concrete								
22	Earth								
23	Wood								
24	B. Distribution reservoirs								
25	Concrete								
26	Earth								
27	Wood								
28	C. Tanks								
29	Wood								
30	Metal								
31	Concrete								
32	Totals			0	0				

Plant Facility Index

Region: II
District: Central
System: ARTESIA
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev.	WELLS		Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	TREATMENT		TANKS		Remarks
				2003 Prod (AF)	Depth (ft)							Casing Diam (in)	Column Settling (m)	Type	Size Gal	
CENTRALIA 4S11W07L01S	WELL 3	1957		372	860	12 & 16	213	AURORA	V.T.	ELEC	50	550	Chl/FIL.S.T.			Well to sand trap Sand trap to Filter
4S11W07L03S	WELL 4	1958		729	861	12 & 16	232	Goulds	V.T.	ELEC	50	600	Chl/FIL.S.T.			Well to Filter Filter to Reservoir
4S11W07L05S	WELL 5 STANDBY TO DESTROY	1992		0	1350	16	122	L & B	V.T.	ELEC	100	2000	Chl/FIL.S.T.			Well to Reservoir STANDBY TO BE DESTROYED
	BOOSTER A								V.T.		40	600	Chl/FIL.S.T.			Booster to System
	BOOSTER C								V.T.		60	1000	Chl/FIL.S.T.			Booster to System
	BOOSTER D								V.T.		50	1250	Chl/FIL.S.T.			Booster to System
	RESERVOIR								V.T.		50	1200				Booster to System
	WELL 1											750	Ground	Steel		Well to System with pressure regulator ON STANDBY TO BE DESTROYED
ELAINE 3S11W30R02S	STANDBY TO DESTROY	1962		0	1214	16		BYRON JACKSON	V.T.	ELEC	60	704	Chlorine			Well to System with pressure regulator ON STANDBY TO BE DESTROYED
HAWAIIAN 4S11S07H02	WELL 1	1959		1004	822	12 & 16	192	BYRON JACKSON	Subm	ELEC	75	750	Chl/polyph.			Well to System with pressure regulator
JUAN 4S11W18F02S	WELL 4	2000		192	730	18	180	GOULD	Subm	ELEC	100	850	Chl, Iron, Man-Ars			Well #4 to system thru pressure filter tanks
	(6) Filter Tanks	2000										48" Each	Same			Filters to System
	(2) Arsenic Tanks	2000										48" Each	Same			Filters to System
MAIDSTONE 3S12W25R02S	WELL 9 INACTIVE	1956		0	190	12	162	AURORA	V.T.	ELEC	20	200	Chlorine			Well to System DESTROY IN 2003
MASSINGER 4S12W12J01S	WELL 1	1962		780	885	16 & 30	221	SIMFLO	Subm	ELEC	75	500	Chl/polyph.			Well to System with pressure regulator
ROSETON 3S12W36B01S	WELL 1	1954		746	1026	16	285	LAYNE BOWLER	V.T.	ELEC	75	790	Chlorine			Well to System with pressure regulator
3S12W25Q03S	WELL 2	2002		262												Under Construction. Water to waste for testing
SEINE 4S11W07E02S	WELL 1 INACTIVE	1959		0	205	12	120	GOULD	V.T.	ELEC	30		Chlorine			Well to System BE DESTROYED
VINE 3S11W31M03S	WELL 2 STANDBY SINCE 801	1948		0	600	14	180	WORTH	V.T.	ELEC	40	350	Chl, S.T.			Well to Sand Trap to system with back pressure sustaining valve ON STANDBY
124th Street 4S11W07P02S	WELL 1 INACTIVE	1938		0	168		120	JOHNSTON	V.T.	ELEC	15	300				Well to System BE DESTROYED

# Wells	13	6
# Boosters	4	4
# Tanks	1	1
Includes: Forebays & Pressure		

4085

11654

750

Pump Type	Pump Make	Tank Material	Treatment Type
V.T. - Vertical Turbine	Aurora	W. Steel - Welded Steel	A - Aeration
H.S.C. - Horizontal Split Case	American Turb	B. Steel - Bolted Steel	Ars-Arsenic
E.S. - End Suction	Byron Jackson	R. Steel - Riveted Steel	CF - Carbon Filter
Subm. - Submersible	Gould / Gould	Concrete	Chl - Chlorination
Elec Electric Turbine	Ingersoll-Rand	Steel	Chlm - Chloramines
Gas Natural Gas Engine	Johns - Johnston	Plastic	CP - Cathodic Protection
Sub Submersible Unit	J.L. - J.L. Fine		CS - Copper Sulfate
VFD Variable Speed Electric	Worth		ST/Cen-Sand Trap/Centrifugal

Aur =	L & B =	Layne Bowler
Amer = American Turb	Peer = Peerless	
B. J. = Byron Jackson	P.F. = Peabody Floway	
Gould / Gould	Sim = Simflo	
I.R. = Ingersoll-Rand	U.S. = U.S. Electric	
Johns = Johnston	Wirt = Wintroth	
J.L. = J.L. Fine	Worth = Worth	

Plant Facility Index

Region: II
District: Central
System: BELL
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev.	2003 Prod (AF)	WELLS		Pump Make	PUMPS			TREATMENT		TANKS		Remarks	
					Depth (ft)	Casing Diam (in)		Column Setting	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type		Size Gal
BISSELL 2S13W23Y01S 2S13W23V02S	WELL 1 ON STANDBY	1951		0	1300	12 & 16	297	GOULD	Elec.	100	850		Chl.		Well to sand trap	
	WELL 2	1991		281	1300	16	250	WORTH	Elec.	200	2500		S.T./Cen		Sand trap to System ON STANDBY	
	BOOSTER A							V.T.		20	600				Well to Ground Storage	
	BOOSTER B							V.T.		20	600				Storage to System	
CHANSLOR 2S12W30H02S	BOOSTER C							V.T.		20	600				Storage to System	
	FOREBAY														To boosters	
	RESERVOIR - NO LONGER IN USE														NO LONGER IN USE	
	WELL 1 STANDBY TO DESTROY	1954		0	514	12	200	PEABODY FLOWAY	Elec.	25	275		Chl		Well to System ON STANDBY TO BE DESTROYED	
OTIS 2S13W24Q02S 2S13W24Q03S	WELL 1 STANDBY TO DESTROY	1912		0	1360	10	245	L & B	Elec.	30	375		Chl		Well to Forebay ON STANDBY TO BE DESTROYED	
	WELL 2	1931		256	950	10 & 16	265	L & B	Elec.	60	275		Chl		Well to Forebay	
	BOOSTER A							Spitcase		50	950		Chl		Boosters to System	
	BOOSTER B							Spitcase		30	490		Chl		Boosters to System	
WATSON 2S12W30G03S	FOREBAY														95	
	WELL 1	1945		1307	490	16	320	WINT.	Elec.	100	1000		A, CHL		Well to Air Stripper to Forebay to res.	
	BOOSTER A							V.T.		30	600		A, CHL		Booster to System	
	BOOSTER B							V.T.		30	600		A, CHL		Booster to System	
(4) AIR STRIPPERS															18	Concrete
															350 EACH	Air Strippers to Forebay

	IN	SERV
# Wells	6	3
# Boosters	7	7
# Tanks	5	4

Includes: Forebays & Pressure

1844

9715

1313

Pump Type	IN	SERV
V.T. - Vertical Turbine		
H.S.C. - Horizontal Split Case		
E.S. - End Suction		
Subm. - Submersible		
Elec Electric Turbine		
Gas Natural Gas Engine		
Sub Submersible Unit		
VFD Variable Speed Electric		

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gould = Gould
I.R. = Ingersoll-Rand
Johns = Johnston
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Floway
Sim = Simflo
U.S. = U.S. Electric
Wint = Wintrob
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
Ans-Arsenic
CF - Carbon Filter
Chl - Chlorination
Chlm - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fi - Filtration
Iron-Iron
I.E. - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SH/P - Sodium Hexameta/Phosphato
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: BELL GARDENS
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev.	2003 Prod		WELLS		PUMPS			TREATMENT			TANKS			Remarks
				(AF)	(MG)	Depth (ft)	Casing Diam (in)	Column Setting	Pump Type	Pump Make	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	Size Gal	
CLARA	WELL 1	1919		424	352	12	190		ELEC	30	325		Chl, S.T./Cen				Well to sand trap Sand trap to System
GAGE	WELL 1 OUT OF SERVICE	1921		627.6	530	12	210		ELEC	100	700		GAC FIL				Filter to System WELL OUT OF SERVICE
	WELL 2	1937		1075	595	14	210		ELEC	75	900		GAC FIL				Filter to System
HOFFMAN	WELL 2 INACTIVE	1960		0	652	16	230		ELEC	100	800		GAC FIL				Well to GAC Filter INACTIVE
	GAC FILTER												GAC FIL				Filter to System
PRIORITY	WELL 2 OUT OF SERVICE	1950		131.1	650	16	280			100	800		CHL				Well to System WELL OUT OF SERVICE

# Wells	5	2
# Boosters	0	0
# Tanks	0	0

2266

3,525

0

Includes: Forebays & Pressure

Pump Type	IN	SERV
V.T. - Vertical Turbine		
H.S.C. - Horizontal Split Case		
E.S. - End Suction		
Subm. - Submersible		
Elec Electric Turbine		
Gas Natural Gas Engine		
Sub Submersible Unit		
VFD Variable Speed Electric		

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gould = Gould
I.R. = Ingersoll-Rand
Johns = Johnston
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Floway
Sim = Simflo
U.S. = U.S. Electric
Wint = Wintroth
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
Ar - Arsenic
CF - Carbon Filter
Chl - Chlorination
Chlm - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fil - Filtration
IE - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SHP - Sodium Hexameta/Phosphate
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
 District: Central
 System: CULVER CITY
 Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	2003 Prod Elev. (AF)	WELLS		Pump Make	Pump Type	Energy Type	PUMPS		TREATMENT		TANKS		Remarks	
				Depth (ft)	Casing Diam (in)				Size (HP)	Capacity (gpm)	Design Head (ft)	Type	Size Gal	Volume (MG)		Type
BALDWIN HILLS	RESERVOIRS (2)														System to reservoirs to system	
BERNARDO	BOOSTER A						SPLITCASE		25	320			2000	GROUND	STEEL	System to Ranch Rd Zone
	BOOSTER B						SPLITCASE	Prop. & nat gas	110	1500						Engine Unit starts automatically on pressure and electric outage
CHARNOCK	WELL 9 ON STANDBY	1957	0	500	18	202		Elec.	75	800	CHL_AER, FIL					To storage then Forebay STANDBY
2S15W11C06S	WELL 10 ON STANDBY	1993	0	450	16	200		Elec.	100	1500	CHL_AER, FIL					To storage then Forebay STANDBY
2S15W11C07S	BOOSTER A ON STANDBY						SPLITCASE		100	1200	CHL_AER, FIL					Thru Manganese filters to system STANDBY
	BOOSTER B ON STANDBY						SPLITCASE		100	1500	CHL_AER, FIL					Thru Manganese filters to system STANDBY
	BOOSTER C ON STANDBY						SPLITCASE		75	750	CHL_AER, FIL					Thru Manganese filters to system STANDBY
	BOOSTER D ON STANDBY						SPLITCASE		30	500	CHL_AER, FIL					Thru Manganese filters to system STANDBY
	RESERVOIR FOREBAY												1000	GROUND	Concrete	From Storage to Forebay
PERHAM	BOOSTER A						V.T.		25	200						From Forebay to system
	BOOSTER B						V.T.		15	150						To Zone from Forebay
	BOOSTER C						V.T.		75	750						To Zone from Forebay
	BOOSTER D FOREBAY						SPLITCASE	GAS	144	1500						Gas engine automatically starts on pressure and electric outage
SENTNEY	WELL 8 ON STANDBY	1939	23	425	16	302		Elec	50	500	CHL, FIL					From Forebay to Perham Zone
2S14W05C04	BOOSTER A						TURBINE		40	800	CHL, FIL					To res. To boosters to system
	BOOSTER B						TURBINE		40	800	CHL, FIL					Boosts to System
	RESERVOIR												500	GROUND	Steel	From well to Reservoir
	RESERVOIR												300	GROUND	Concrete	From well to Reservoir
	PRESSURE FILTER												10x40			From tank to Reservoir
	LIMESTONE CONTACTOR												8x10			From tank to Reservoir
RANCH ROAD	BOOSTER A						SPLITCASE		15	200						To Ranch Road Zone

	IN SERV
# Wells	3
# Boosters	13
# Tanks	6

Includes: Forebays & Pressure

4100

12,970

23

Treatment Type	Tank Material
A - Aeration	W. Steel - Welded Steel
As-Aerobic	B. Steel - Bolted Steel
CF - Carbon Filter	R. Steel - Riveted Steel
Chl - Chlorination	Concrete
ChlM - Chloramines	Steel
CP - Cathodic Protection	Plastic
CS - Copper Sulfate	
Flt - Filtration	
Iron-Iron	
I.E. - Ion Exchange	
Man-Manganese	
P.P. - Potassium Permanganate	
S.T. - Sand Trap	
SHP - Sodium Hexametaphosphate	
ST/Can-Sand Trap/Centrifugal	

Pump Make
Aur = Aurora
L & B = Layne Bowler
Amer = American Turb
Peer = Peerless
B.J. = Byron Jackson
P.F. = Peabody Floway
Gould = Gould
Sim = Simflo
I.R. = Ingersoll-Rand
U.S. = U.S. Electric
Johns = Johnston
Wirt = Wirth
J.L. = J-Line
Worth = Worth

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec Electric Turbine
Gas Natural Gas Engine
Sub Submersible Unit
VFD Variable Speed Electric

Plant Facility Index

Region: II
 District: Central
 System: FLORENCE-GRAHAM
 Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		Pump Make	Pump Type	PUMPS		TREATMENT			TANKS		Remarks
				2003 Prod	Depth (ft)			Energy Type	HP Capacity	Design	Type	Size Gal	Volume (MG)	Type	
CONVERSE	WELL 1	1930	117	920	18	270	WORTH	SUBM	ELEC	50	800	CHL			ON STANDBY
	2S13W21K04S	1950	1528	1564	12 & 14	280	B.J.	V.T.	ELEC	75	900	CHL			Well to storage
	2S13W21K07S							V.T.		15	200	CHL			Boosts to System
	BOOSTER A							V.T.		15	200	CHL			Boosts to System
	BOOSTER B							V.T.		30	600	CHL			Boosts to System
	BOOSTER C							V.T.		60	1200	CHL			Boosts to System
	BOOSTER D							V.T.		60	1200	CHL			Boosts to System
	FOREBAY														To boosters
	PRESSURE TANK														500 Gmd. STEEL
GOODYEAR	WELL 4														To sand trap to System
2S13W21E01S	STANDBY	1930	617	700	16	320	WORTH	V.T.	Elec.	125	800	CHL			WELL ON STANDBY
HAMPSHIRE	BOOSTER A							SPLITCASE		20	550				Boosts to System
	BOOSTER B							SPLITCASE		60	1000				Boosts to System
	BOOSTER C							SPLITCASE		60	1200				Boosts to System
	FOREBAY														To boosters
MIRAMONTE	WELL 1	1936	82	1585	16	255	L & B	TURBINE	ELEC	75	650	Chl			To sand trap to tank
	2S13W28G02S	1938	387	1100	16	281	AURORA	TURBINE	ELEC	100	800	Chl			To sand trap to tank
	2S13W28G03S	1942	878	1096	16	280	L & B	TURBINE	ELEC	100	900	Chl			To sand trap to tank
	2S13W28G01S														To sand trap to tank
	ELEVATED TANK														Tank to System
NADEAU	WELL 2	1932	0	318	16	161	L & B		ELEC	75	900				AIR GAP INACTIVE TO BE DESTROYED 2004
2S13W28H01S	INACTIVE	1956	505	700	16	240	AURORA		ELEC	75	500	CHL			To System
2S13W27E03S															To System

# Wells	8	5
# Boosters	7	7
# Tanks	3	3

Includes: Forebays & Pressure

4113

11200

1000

Pump Type	IN	SERV
V.T. - Vertical Turbine		
H.S.C. - Horizontal Split Case		
E.S. - End Suction		
Subm. - Submersible		
Elec Electric Turbine		
Gas Natural Gas Engine		
Sub Submersible Unit		
VFD Variable Speed Electric		

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gould = Gould
I.R. = Ingersoll-Rand
Johns = Johnston
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Flowby
Sim = Simflo
U.S. = U.S. Electric
Win = Winthrop
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As-Arsenic
CF - Carbon Filter
Chl - Chlorination
Chm - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fil - Filtration
Iron-Iron
I.E. - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SH/P - Sodium HexametaPhosphate
ST/Can-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: HOLLYDALE
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	2003 Prod (AF)	WELLS		PUMPS			TREATMENT		TANKS		Remarks					
				Base Elev. (AF)	Depth (ft)	Casing Diam (in)	Column Settling	Pump Type	Energy Type	Size (HP)	Capacity (gpm)	Design Head (ft)		Type	Size Gal	Volume (MG)	Type	Material
CENTURY																		
3S12W07Q05S	WELL 1	1957	189	750	10	158				SUBM	ELEC	75	750					Well to sand trap to VOC filters, to system
COOLIDGE	WELL 2 TO BE DESTROYED	1941	0	210														NOT EQUIPPED TO BE DESTROYED 2004
3S12W08M02S	BOOSTER A									V.T.		25	250					From Reservoir to System
	BOOSTER B									V.T.		50	550					From Reservoir to System
	BOOSTER C									V.T.		125	1300					From Reservoir to System
	BOOSTER D									V.T.		125	1300					From Reservoir to System
	RESERVOIR																	From Reservoir to System
McKINLEY	WELL 2 INACTIVE	1937	0	185	12	103				ELEC		20	450					INACTIVE TO BE DESTROYED 2004
3S12W17A01S																		Well to sand trap to system with variable speed VFD
3S12W17A02S	WELL 3	1943	761	700	14	200				ELEC		100	1000					

950

	IN	SERV
# Wells	4	2
# Boosters	4	4
# Tanks	1	1

Includes: Forebays & Pressure

5600

Pump Type	Treatment Type
V.T. - Vertical Turbine	Fil-Filtration
H.S.C. - Horizontal Split Case	Iron-Iron
E.S. - End Suction	I.E. - Ion Exchange
Subm. - Submersible	Man-Manganese
Elec Electric Turbine	P.P. - Potassium Permanganate
Gas Natural Gas Engine	S.T. - Sand Trap
Sub Submersible Unit	SHWP - Sodium Hexameta/Phosphate
VFD Variable Speed Electric	ST/Cent-Sand Trap/Centrifugal

Tank Material	Treatment Type
W. Steel - Welded Steel	A - Aeration
B. Steel - Bolted Steel	Ans-Arsenic
R. Steel - Riveted Steel	CF - Carbon Filter
Concrete	Chl - Chlorination
Steel	Chlm - Chloramines
Plastic	CP - Cathodic Protection
	CS - Copper Sulfate

750

Plant Facility Index

Region: II
District: Central
System: **NORWALK**
Year: **ENDING DECEMBER 31, 2003**

Plant	Major Facility	Year Built	2003 Prod (AF)	WELLS			PUMPS			TREATMENT			TANKS			Remarks
				Depth (ft)	Casing Diam (in)	Column Setting	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	Type	Size Gal	Volume (MG)	Type	
DACE 3S11W18G05S	WELL 1	1955	772	410	12 & 16	180	ELEC	ELEC	100	690	CHL,S.T.				Well thru sand trap thru GAC Pressure Filter to System	
IMPERIAL 3S12W13A03S	WELL 1	1918	20	1000	12	200	V.T.	ELEC	60	800	CHL, C.F.				Well to GAC to res. To sys.	
	WELL 2	1946	1047	399	12	165	ELEC	ELEC	30	555	CHL, C.F.				Well to GAC to res. To sys.	
	WELL 3	1953	514	890	18	260	ELEC	ELEC	75	600	CHL, C.F.				Well to GAC to res. To sys.	
	BOOSTER A						V.T.		30	550	CHL, C.F.				Boosters to System	
	BOOSTER B						V.T.		50	900	CHL, C.F.				Boosters to System	
	BOOSTER C						V.T.		50	1000	CHL, SHIP				Boosters to System	
	FOREBAY											1500	Grnd.	STEEL	From GAC to boosters	
MEYER 3S11W08R01S	WELL 1 INACTIVE	1917	0	680	12	300	ELEC	ELEC	40	400	A,CHL., CP				WELL INACTIVE TO BE DESTROYED 2004	
	BOOSTER A						V.T.		40	900	A,CHL., CP				Boosters to System	
	BOOSTER B						V.T.		40	900	A,CHL., CP				Boosters to System	
	RESERVOIR												GROUND	STEEL	Storage filled from System to boosters	
PIONEER 3S11W07E01S	WELL 1	1942	703	237	14	180	SUBM	ELEC	60	600	CHL S.T.,CF				Well to GAC Filter, Filter to System	
	WELL 2 ON STANDBY	1949	0	565	14	210	SUBM	ELEC	60	600	CHL S.T.,CF				Well to GAC Filter, Filter to System ON STANDBY	
	WELL 3 INACTIVE	1944	0	252	14	191	SUBM	ELEC	40	600	CHL S.T./CEN				Well to Sand Trap then to System INACTIVE	
STUDEBAKER 3S12W02R01S	WELL 2	1927	603	391	12	200		ELEC	40	375	CHL				Well to system	

IN SERV	
# Wells	9
# Boosters	5
# Tanks	2

3660

Includes: Forebays & Pressure

9,570

2250

Pump Type	Pump Make
V.T. - Vertical Turbine	L & B = Layne Bowler
H.S.C. - Horizontal Split Case	Amer = American Turb Peer = Peerless
E.S. - End Suction	B.J. = Byron Jackson P.F. = Peabody Floway
Subm. - Submersible	Gould + Gould Sim = Simflo
Elec Electric Turbine	I.R. = Ingersoll-Rand U.S. = U.S. Electric
Gas Natural Gas Engine	Johns = Johnston Wint = Winthroth
Sub Submersible Unit	J.L. = J-Line Worth = Worth
VFD Variable Speed Electric	

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As-Arsenic
CF - Carbon Filter
Chl - Chlorination
Chlm - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fil-Filtration
Iron-Iron
I.E. - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SH/P - Sodium Hexameta/Phosphate
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: Central
System: WILLOWBROOK
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev.	2003 Prod (AF)	WELLS		Pump Make	Pump Type	PUMPS		TREATMENT		TANKS		Remarks
					Depth (ft)	Casing Diam (in)			Column Setting	Energy Type	Size (HP)	Capacity (gpm)	Design Head (ft)	Type	
WILLOWBROOK															
3S13W10L02S	WELL 1	1928		876	321	14	210	TURB	ELEC	75	840				Well to Storage
3S13W10L03S	WELL 3	1984		292	352	16	230	SUBM	ELEC	75	1000	CHL			Well to Storage
	BOOSTER A							V.T.		15	260	CHL, CP			Boosters to System based on pressure
	BOOSTER B							V.T.		40	260	CHL, CP			Boosters to System based on pressure
	BOOSTER C							V.T.		30	600	CHL, CP			Boosters to System based on pressure
	BOOSTER D							V.T.		75	1400	CHL, CP			Boosters to System based on pressure
	RESERVOIR												400	GROUND STEEL	Storage to system
	RESERVOIR												400	GROUND STEEL	Storage to system
	PRESSURE TANK												1000	HYDRO	

1168

4,360

1800

	IN	SERV
# Wells	2	2
# Boosters	4	4
# Tanks	3	3

Includes: Forebays & Pressure

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec Electric Turbine
Gas Natural Gas Engine
Sub Submersible Unit
VFD Variable Speed Electric

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gould = Gould
I.R. = Ingersol-Rand
Johns = Johnson
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Floway
Sim = Simflo
U.S. = U.S. Electric
Wint = Winthroth
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As-Arsenic
CF - Carbon Filter
Chl - Chlorination
Chim - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fil - Filtration
Iron-Iron
I.E. - Ion Exchange
Man-Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SH/PP - Sodium Hexametaphosphate
ST/Cen-Sand Trap/Centrifugal

Plant Facility Index

Region: II
District: SOUTHWEST
System: SOUTHWEST
Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev.	2004 Prod (AF)	WELLS		Pump Make	Pump Type	Energy Type	Size (HP)	Design Capacity (gpm)	Design Head (ft)	TREATMENT Type	Size Gal	Volume (MG)	TANKS		Remarks
					Depth (ft)	Casing Dia (in)										Type	Type	
ATHENS	WELL 2 NOT EQUIPPED	1945		0	400	18												WELL NOT EQUIPPED TO BE DESTROYED 2004
	BOOSTER A						Johns	V.T.	Elec	20	220		CHL CP					Boosters to System
	BOOSTER B						Johns	V.T.	Elec	40	400		CHL CP					Boosters to System
	BOOSTER C						Johns	V.T.	Elec	60	700		CHL CP					Boosters to System
	BOOSTER D RESERVOIR						Johns	V.T.	Elec	60	700		CHL CP		1500	Ground	STEEL	Boosters to System Filled by System PRESSURE TANK NOT USED
PRESSURE TANK - NOT USED																		
BALLONA	WELL 3 INACTIVE	1952		0	565	18	340	US MOTORS		ELEC	40	800	CHL					INACTIVE TO BE DESTROYED 2004
	WELL 4	2001		1810	390	18	427	Inger		ELEC	200	1000	CHL					Well to System Boosters to System INACTIVE
	BOOSTER D FOREBAY INACTIVE							SPLITCASE			80	800	CHL		54	Ground	STEEL	Filled from well INACTIVE
	WELL 1	1947		455	1207	18	280	US MOTORS		ELEC	100	600	CHL & Ann	525	500			Well to Forebay
3S13W04N01S	WELL 3	1958		925	900	12 & 18	290	LAYNE BOWLER Worth		ELEC	75	950	CHL					Well to Forebay
	BOOSTER A							SPLITCASE		ELEC	75	800	CHL CP					Booster pump removed
	BOOSTER B FOREBAY							SPLITCASE			100	1750	CHL CP					Boosters to System
	BOOSTER C							Winth		Elec	100	2000	CHL		150	Ground	STEEL	Forebay to Boosters Boosters to Normandle Zone
8UDLONG	BOOSTER D RESERVOIR							Worth		Elec	75	1450			1300	Ground	CONCRETE	Boosters to Normandle Zone
	WELL 1 INACTIVE TO BE DESTROYED	1946		0	388	16	180	PEERLESS		ELEC	40							INACTIVE - TO BE DESTROYED
	BOOSTER A	1964						Deval		Elec	100	1000	CHLM					Boosters to System
	BOOSTER B							Deval		Elec	100	1000	CHLM					Boosters to System
CHICAGO	BOOSTER C RESERVOIR							Layne		Elec	60	1200	CHLM					Boosters to System
	WELL 1 INACTIVE TO BE DESTROYED	1928		0	438	10	300	SIMFLO		ELEC	60	500	CHL					INACTIVE TO BE DESTROYED 2004
	WELL 1	1947		599	502	18	185	BYRON JACKSON		ELEC	75	875	CHL					Well to System
	WELL 1	1948		823	700	18	240	LAYNE BOWLER Gould		ELEC	100	800	CHL S.T.					Well to Tank thru Sand Trap Boosters to System
COMPTON DOTY	BOOSTER B RESERVOIR							Gould		Elec	60	1000	CHL S.T.					Boosters to System
	WELL 1	1987		937	700	18	140	GOULDS		ELEC	100	1000	CHLM					Well to Aerator
	WELL 2	1998		921	470	18	151	GOULDS		ELEC	100	1000	CHLM					Well to Aerator
	BOOSTER A							VFD			100	1240	CHLM					Boosters to System
DALTON	BOOSTER B							V.T.			100	1250	CHLM					Boosters to System
	WELL 1	1987		937	700	18	140	GOULDS		ELEC	100	1000	CHLM					PUMP & POWER DISCONNECTED - INACTIVE - TO BE DESTROYED
	WELL 2	1998		921	470	18	151	GOULDS		ELEC	100	1000	CHLM					Boosters to System
	BOOSTER B							V.T.			100	1250	CHLM					Boosters to System

Plant Facility Index

Region: II
 District: SOUTHWEST
 System: SOUTHWEST
 Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	Base Elev. (AF)	WELLS		PUMPS			TREATMENT			TANKS		Remarks				
				Depth (ft)	Casing (ft)	Column (ft)	Sealing	Pump Make	Pump Type	Energy Type	Size (HP)	Capacity (gpm)	Head (ft)		Type	Volume (MG)	Type	Material
GARDENA HEIGHTS	BOOSTER A	1985						Paco	SPLITCASE	Elec	60	1000	CP			Boosters to System from Storage		
	BOOSTER B							Paco	SPLITCASE	Elec	125	2500	CP			Boosters to System from Storage		
	RESERVOIR													GROUND	STEEL	Filled From System		
GOLDMEDAL 3S14W15B03S	WELL 1	1997	1689	700	16	228		Inger	V.T.	ELEC	100	1000	RILAE, CHLM	1000/500		Well to Reservoir thru Filter & Aerator		
	BOOSTER A								V.T.	Elec	40	920	CHLM			Boosters from Storage to System		
	BOOSTER B								V.T.	Elec	60	1350	CHLM			Boosters from Storage to System		
	BOOSTER C								V.T.	Elec	100	1500	CHLM			Boosters from Storage to System thru draw from system Reservoir to Boosters		
	RESERVOIR													GROUND	STEEL	Well to Forebay, then to System		
SOUTHERN 3S14W13J09S	WELL 5	1996	1478	730	18	427		Goulds		ELEC	150	1000	CHLM			Well to forebay, then to System		
	WELL 6	2001	1176	590	18	305		Simflo		ELEC	150	600	CHLM			Boosters to System		
	BOOSTER A								SPLITCASE		75	600	CHLM			Boosters to System		
	BOOSTER B								SPLITCASE		40	800	CHLM			Boosters to System		
	FOREBAY													FOREBAY	CONCRETE	Forebay to System		
TRUJO 3S14W02Q01S	WELL 4	1998	826		18	220		Crown	SUBM	Elec	75	750	A.F.CHLM	30/525	500	Well to Aerator		
	BOOSTER E								V.T.	Elec	200	2500	A.F.CHLM			Boosters to Filter, then to System		
	AERATOR														23	AERATOR	STEEL BOLT	
WADSWORTH	BOOSTER A							Devala	SPLITCASE	Elec	60	850	CP			Boosters from Storage to System		
	BOOSTER B							Devala	SPLITCASE	Elec	50	1200	CP			Boosters from Storage to System		
	BOOSTER C							Devala	SPLITCASE	Elec	30	400	CP			Boosters from Storage to System		
	RESERVOIR															Filled from System		
	RESERVOIR															1000	GROUND	STEEL
YUKON 3S14W03L02S	WELL 4	2001	1532	600	18	380		GOULDS		ELEC	125	1000	A.CHLM, CS	1000/500		Well to contactor, then Storage to system		
	WELL 5	2001	9	600	18	300		CHRISTENSEN		ELEC	125	1250	A.CHLM, CS			Well to contactor, then Storage to system		
	BOOSTER A							Worth	V.T.	Elec	40	600	A.CHLM, CS			Boosters to System		
	BOOSTER B							Worth	V.T.	Elec	50	760	A.CHLM, CS			Boosters to System		
	BOOSTER C							Inger	V.T.	Elec	60	950	A.CHLM, CS			Boosters to System		
128th STREET 3S14W14D02S	BOOSTER D							Inger	V.T.	Elec	75	1150	A.CHLM, CS			Boosters to System		
	RESERVOIR															1000	Star ground	CONCRETE
	WELL 2	2002	1759	270	18	270		GOULDS	V.T.	ELEC	150	1000	CHL			Pumps to the system & chlorine generation system on a lb.		
	WELL 1																	
	STANDBY	1944	0	430	18	222		SIMFLO	SUBM	Elec	40	300	CHL			STANDBY TO BE DESTROYED		

IN SERV	
# Wells	20
# Boosters	14
# Tanks	30
# Tanks	12
# Tanks	12

Includes: Forebays & Pressure

14,539

48,515

13,967

Plant Facility Index

Region: II
 District: SOUTHWEST
 System: SOUTHWEST
 Year: ENDING DECEMBER 31, 2003

Plant	Major Facility	Year Built	2004 Prod Elev. (AF)	WELLS		Pump Make	PUMPS			TREATMENT		TANKS		Remarks
				Depth (ft)	Casing (in)		Column Setting	Energy Type	Size (HP)	Capacity (gpm)	Design Head (ft)	Type	Size (Gal)	

Pump Type
V.T. - Vertical Turbine
H.S.C. - Horizontal Split Case
E.S. - End Suction
Subm. - Submersible
Elec - Electric Turbine
Gas - Natural Gas Engine
Sub - Submersible Unit
VFD - Variable Speed Electric

Pump Make
Aur = Aurora
Amer = American Turb
B.J. = Byron Jackson
Gould = Gould
J.R. = Ingersoll-Rand
Johns = Johnson
J.L. = J-Line
L & B = Layne Bowler
Peer = Peerless
P.F. = Peabody Fireway
Sim = Simflo
U.S. = U.S. Electric
Wirt = Wirtich
Worth = Worth

Tank Material
W. Steel - Welded Steel
B. Steel - Bolted Steel
R. Steel - Riveted Steel
Concrete
Steel
Plastic

Treatment Type
A - Aeration
As - Arsenic
CF - Carbon Filter
Ch - Chlorination
ChM - Chloramines
CP - Cathodic Protection
CS - Copper Sulfate
Fil - Filtration
Iron-Iron
I.E. - Ion Exchange
Mn - Manganese
P.P. - Potassium Permanganate
S.T. - Sand Trap
SHP - Sodium Hexameta/Phosphate
ST/Cen-Sand Trap/Centrifugal

SCHEDULE D - 3

Description of Transmission and Distribution Facilities

A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES

Capacities in Cubic Feet per Second or Miner's Inch

Line No.		0 to 5	5 to 10	11 to 20	21 to 30	31 to 40	41 to 50	51 to 75	76 to 100
1	Ditch								
2	Flume								
3	Lined conduit								
4									
5	Totals	0	0	0	0	0	0	0	0

A. LENGTH OF DITCHES, FLUMES AND LINED CONDUITS IN MILES FOR VARIOUS CAPACITIES - concluded

Capacities in Cubic Feet per Second or Miner's Inch

Line No.		101 to 200	501 to 750	301 to 200	401 to 500	501 to 750	751 to 1000	Over 1000	TOTAL
6	Ditch								
7	Flume								
8	Lined conduit								
9									
10	Totals	0	0	0	0	0	0	0	0

B. FOOTAGE OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING

Line No.		3/4"	1	1 1/2	2	2 1/4"	2 1/2	3	4	5	6	8
11	Cast iron				8,139			2,125	699,915		822,229	493,986
12	Ductile iron								126,624		13,272	207,535
13	Concrete											
14	Copper		1,178		3,358							
15	Riveted steel											
16	Standard steel	205	838	11,288	83,468	3,901	1,599	25,982	80,206	162	40,525	30,612
17	Screw or welded casing											
18	Cement - asbestos				789			1,240	151,849	133	535,564	522,223
19	Polyvinylchloride				785				9,367		5,192	101,875
20	Wood											
21	Plastic		43		1,071				2,860		18,985	63,366
22	Other								100,001			
23	Totals	205	2,059	11,288	87,610	3,901	1,599	29,347	1,170,822	295	1,436,767	1,419,597

B. FOOTAGE OF PIPE BY INSIDE DIAMETERS IN INCHES - NOT INCLUDING SERVICE PIPING - concluded

Line No.		4 1/2"	10	12	14	5 1/2"	16	17	18	22	24	TOTAL
24	Cast iron		55,268	88,660	12,740		2,585					2,185,847
25	Ductile iron		2,598	154,111	530		3,509		1379			509,558
26	Concrete											0
27	Copper											4,536
28	Riveted steel											0
29	Standard steel	3,380	5,894	30,322	20,641	10,634	39,400	4,328	2,218	370	10	396,083
30	Screw or welded casing											0
31	Cement - asbestos		112,370	185,001	9,567		7,340					1,526,076
32	Polyvinylchloride		13,680	43,728	778		1,757					177,142
33	Wood											0
34	Plastic		185	15,909								103,419
35	Other											100,001
36	Unclassified										(1,734)	(1,734)
37	Totals	3,380	190,075	517,731	44,266	10,634	54,691	4,328	3,697	370	(1,724)	5,000,728

**SCHEDULE D - 4
Number of Active Service Connections**

Classification	Metered - Dec. 31		Flat Rate - Dec. 31	
	Prior Year	Current Year	Prior Year	Current Year
Commercial	96,618	97,095		
Industrial	257	254		
Public authorities	681	686		
Irrigation	61	109		
Other	49	50		
Sub-total	97,666	98,194	0	0
Private fire connections			1,615	1,650
Public fire hydrants				
Total	97,666	98,194	1,615	1,650

**SCHEDULE D - 5
Number of Meters and Services on Pipe
Systems at End of Year**

Size	Meters	Services	
5/8 x 3/4 - in.	103,261	82,084	
3/4 - in.	320	307	
1 - in.	14,508	10,314	
1 1/2 - in.	5,107	2,922	
2 - in.	7,097	3,592	
3 - in.	354	251	
4 - in.	88	79	
6 - in.	57	23	
8 - in.	28	2	
10 - in.	5	2	
12 - in.	1		
Unclassified	9	261	
Total	130,835	99,837	

**SCHEDULE D - 6
Meter Testing Data**

A. Number of meter tested during year as prescribed in Section VI of general order # 103:	
1 New, after being received:	0
2 Used, before repair:	0
3 Used, after repair:	0
4 Found fast, requiring billing adj.	0
B. Number of meters in service since last test:	
1 Ten years or less:	0
2 More than 10, but less than 15 yr.:	0
3 More than 15 years:	0

**SCHEDULE D - 7
Water delivered to Metered Customers by Months and Years in CCF units**

Classification	Classification							Subtotal	Total	Prior Year
	January	February	March	April	May	June	July			
Commercial	2,025,163	2,152,438	1,887,720	1,924,151	1,997,507	2,166,019	12,152,998			
Industrial	112,290	42,001	51,428	54,047	60,368	51,030	371,164			
Public Authorities	70,534	89,302	67,413	104,493	114,692	142,603	589,037			
Irrigation	3,446	5,129	4,971	5,200	6,928	7,034	32,708			
Other	12,307	13,280	10,128	22,287	26,210	30,920	115,132			
Totals	2,223,740	2,302,150	2,021,660	2,110,178	2,205,705	2,397,606	13,261,039			

Classification	Classification							Subtotal	Total	Prior Year
	July	August	September	October	November	December	January			
Commercial	2,265,317	2,492,318	2,519,214	2,457,315	2,260,002	2,137,668	14,131,834	26,284,832	26,129,785	
Industrial	43,415	41,464	107,209	91,734	75,078	51,943	410,843	782,007	728,138	
Public Authorities	199,072	206,533	215,872	165,529	129,524	105,174	1,021,704	1,610,741	1,660,640	
Irrigation	7,680	8,221	8,750	10,900	8,013	6,238	49,802	82,510	30,812	
Other	53,537	55,207	60,974	51,610	32,613	24,323	278,264	393,396	247,000	
Totals	2,569,021	2,803,743	2,912,019	2,777,088	2,505,230	2,325,346	15,892,447	29,153,486	28,796,375	

1 Quantity units to be in hundred of cubic feet, thousands of gallons, acre-feet, or miner inch. Total Acres Irrigated Total Population Served 397,124

End of Year Balance in Selected Accounts

Indicate the end of year balance shown in the district's accounting records for the following accounts:


131	Materials and supplies on hand	\$	<u>251,779</u>
100.3	Construction work in progress	\$	<u>11,962,422</u>
241	Advances for construction	\$	<u>8,916,771</u>
285	Contribution in aid of construction	\$	<u>14,669,945</u>

Name of District Manager: Tom Cherry

Address: 12035 Burke Street; Santa Fe Springs, CA 90670

Telephone: 562/907-9200

This report sets forth book or allocated figures and other data pertaining to the **Metropolitan** district for the period from **January 1, 2003** to **December 31, 2003**.



 Signature

 Controller

 Title

 4/29/04

 Date