

JUN 14 1994

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

EXECUTIVE SECRETARY

May 19, 1994

To: Board of Directors
From: General Manager
Subject: Operating Data for April 1994

The following tables contain April 1994 data on Metropolitan's water and power sales and purchases, treatment plant operations, reservoir storage, financial status, construction, and employment; Los Angeles Civic Center rainfall and temperature readings; and a forecast of unimpaired runoff in Sacramento Valley river basins.

WATER SALES

	<u>April</u> 1994 AF	<u>March</u> 1994 AF	<u>April</u> 1993 AF	<u>Total Fiscal</u> <u>Year to Date</u> AF
TOTAL WATER SALES	173,356	128,877	153,328	1,549,796
REVENUE	54,397,153	42,738,688	42,179,192	502,261,049
BASIC SERVICE	115,273	90,358	113,680	1,098,108
AGRICULTURAL	409	389	435	19,258
SPREADING	0	0	0	0
BARRIER INJECTION	770	2,213	2,709	23,684
SEASONAL STORAGE				
Spreading	17,734	5,793	18,446	56,937
Reservoir Storage	12,175	2,115	2,577	43,364
In-Lieu	26,119	26,929	14,876	291,914
RECLAIMED	878	1,080	605	16,534
TREATED	101,666	101,270	107,803	1,083,306
UNTREATED	70,813	26,527	44,919	449,957

(See Tables A, B, and C for details.)

METROPOLITAN'S STATE WATER PROJECT (SWP)
CHARGES AND PAYMENTS--FISCAL YEAR 1993/94

The following table shows a comparison of totals from July 1, 1993, through April 30, 1994:

<u>Components*</u>	<u>SWP Statement of Charges to Date**</u>	<u>1993/94 Annual Budget to Date</u>	<u>Amount Paid to Date**</u>
Capital	128,451,652	130,924,000	128,501,312
Minimum	68,692,739	71,874,000	68,366,207
Power	<u>130,320,610</u>	<u>87,845,000</u>	<u>11,504,850</u>
Total	<u>\$327,465,001</u>	<u>\$290,643,000</u>	<u>\$208,372,369</u>

* The component designations combine the Delta Water Charge and Transportation Charge components with similar names except that power charges and credits have been excluded from the minimum components and combined with other power charges and credits under the "Power" components.

** The difference between the charges to date and the amount paid to date is due to the changes in the Variable OMP&R water quantities and rates, and the application of credits.

POWER FOR PUMPING

The following quantities of electric energy were generated for Metropolitan's pumping system in April 1994:

<u>Colorado River Energy</u>	<u>Kwh</u>
Hoover Power Plant	144,853,000
Parker Power Plant	<u>27,331,000</u>
Subtotal	172,184,000
Southern California Edison (SCE)	
Benefit Energy	11,250,189
SCE Exchange Energy	(11,075,000)
SCE Purchased Energy	0
California Department of Water Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>38,742,000</u>
Total Generated for Metropolitan Colorado River Aqueduct (CRA)	211,101,189
Power Available to DWR	0
CRA Power Available to SCE	0

HYDROELECTRIC POWER RECOVERY PLANTS--FISCAL YEAR 1993/94
ENERGY AND REVENUE ACCOUNT

April 1994

<u>PLANT</u>	<u>Energy Sales (Kwh)</u>		<u>Gross Energy Revenue</u>	
	<u>This Month</u>	<u>F.Y. to Date</u>	<u>This Month</u>	<u>F.Y. to Date</u>
PHASE I				
Greg Avenue	0	2,549,219	0.00	115,472.15
Lake Mathews	2,856,000	26,395,954	132,432.72	1,201,232.95
Foothill Feeder	2,268,000	41,533,370	105,167.16	1,883,942.52
San Dimas	4,644,000	24,916,929	215,342.28	1,128,600.59
Yorba Linda	<u>1,092,000</u>	<u>25,054,048</u>	<u>50,636.04</u>	<u>1,139,799.74</u>
Subtotal	10,860,000	120,449,520	503,578.20	5,469,047.95
PHASES II-IV				
Sepulveda Canyon	396,000	19,188,000	14,931.04	1,077,153.19
Venice	0	10,251,000	0.00	610,762.62
Temescal	1,578,000	15,867,000	59,030.78	718,302.01
Corona	1,455,000	15,693,000	54,447.56	707,715.30
Perris	900,000	900,000	33,881.19	33,881.19
Rio Hondo	952,000	8,918,000	36,039.44	424,629.13
Coyote Creek	1,440,000	14,403,000	54,475.48	642,519.19
Red Mountain	0	6,138,000	0.00	359,965.35
Valley View	<u>1,952,000</u>	<u>8,220,000</u>	<u>73,687.21</u>	<u>400,085.39</u>
Subtotal	8,673,000	99,578,000	326,492.70	4,975,013.37
Total	<u>19,533,000</u>	<u>220,027,520</u>	<u>830,070.90</u>	<u>10,444,061.32</u>

WATER QUALITY--FILTRATION PLANT EFFLUENT (Average for Month)

<u>Quality</u>		<u>Diemer</u>	<u>Jensen</u>	<u>Weymouth</u>	<u>Skinner Plant 1</u>	<u>Skinner Plant 2</u>	<u>Mills</u>
Hardness--mg/l	Apr. 94	296*	166*	300*	322*	323*	108*
as CaCO ₃	Mar. 94	315	165	253	329	315	126
	Apr. 93	294	169	283	256	256	89
Total Dissolved Solids--mg/l	Apr. 94	634**	370**	641**	682**	681**	257**
	Mar. 94	684	365	571	702	693	343
	Apr. 93	618	406	570	531	538	265

* Preliminary

** Estimate
 (See Table D for Analysis of Water Supplies.)

WATER PROCESSED

		<u>Diemer</u> AF	<u>Jensen</u> AF	<u>Weymouth</u> AF	<u>Skinner</u> AF	<u>Mills</u> AF
<u>Individual Plant</u>	April 1994	37,768	15,781	26,858	16,786	3,996
	Mar. 1994	31,996	24,619	29,049	13,647	2,756
	April 1993	32,553	17,700	24,048	19,651	5,103
		<u>Avg.</u> <u>Rate</u> cfs	<u>Ann.</u> <u>Diff.</u> %	<u>Treated</u> AF	<u>Total Fiscal</u> <u>Year to Date</u> AF	
<u>Total all Plants</u>	April 1994	1,701	+ 2	101,189	1,126,990	
	Mar. 1994	1,660	+31	102,067	1,025,801	
	April 1993	1,665	+22	99,055	1,004,604	

RESERVOIR STORAGE

	<u>Usable</u> <u>Storage</u> %	<u>April</u> <u>1994</u> AF	<u>March</u> <u>1994</u> AF	<u>April</u> <u>1993</u> AF	<u>Annual</u> <u>Difference</u> AF
<u>Distribution</u>					
Lake Mathews	83	151,016	140,963	161,250	(10,234)
Lake Skinner	86	37,999	38,315	37,184	815

Colorado River Basin

Upper Basin	76	23,479,000	23,456,000	19,330,000	4,149,000
Lower Basin	81	23,084,000	23,533,000	24,069,000	(985,000)

(See Table E for details.)

State Water Project

Oroville	74	2,606,531	2,597,424	3,244,232	(637,701)
San Luis (State)	87	932,891	1,049,165	1,041,867	(108,976)
Pyramid	93	154,806	160,041	159,131	(4,325)
Castaic	85	259,337	276,391	283,338	(24,001)
Silverwood	96	67,944	51,564	68,135	(191)
Perris	87	110,926	111,545	120,092	(9,166)

Central Valley Project

Clair Engle	81	1,970,280	2,021,180	1,388,580	581,700
Shasta	77	3,417,910	3,379,710	4,147,610	(729,700)
Folsom	44	445,600	409,500	86,400	359,200
New Melones	29	691,500	742,100	581,500	110,000
San Luis (federal)	89	859,292	948,244	899,069	(39,777)

FINANCE INVESTMENT PORTFOLIO (FACE VALUE AT MATURITY)

<u>Securities</u>	<u>04-30-94 Balance</u>	<u>Percent</u>
U.S. Treasury Obligations	\$ 358,528,000	34.5
U.S. Guarantees - GNMA's	3,250,000	.3
Federal Agency Obligations	153,987,000	14.8
Repurchase Agreements	138,818,000	13.4
Bankers Acceptances	14,462,000	1.4
Commercial Paper	121,490,000	11.7
Negotiable Certificates of Deposit	47,251,000	4.5
Local Agency Investment Fund	203,000,000	19.6
California G.O. Bond (SWP)	35,000	-
Cash and Equivalents:		
MWD Federal Credit Union	100,000	-
Demand Accounts	\$ 614,000	
Petty Cash and Draft Account	53,000	
Overnight Investments	<u>(3,346,000)</u>	<u>(.2)</u>
TOTAL	<u>\$ 1,038,242,000</u>	<u>100.0</u>

Yield Comparisons (Percent)

	<u>03-31-94</u>	<u>04-30-94</u>
	<u>(12-Month Moving Average)</u>	
1-Year Treasury Bill	4.4	4.8
1-Year Time Deposit	3.9	4.5
6-Month Treasury Bill	3.9	4.4
6-Month Time Deposit	3.6	3.9
Portfolio Yield (Range)	4.1	4.2 (3.1% to 10.0%)

(See Table F for financial summary.)

CONSTRUCTION PROGRESS FOR APRIL 1994

Six construction contracts, having a contract value in excess of \$175 million, were under way during the month. Contractor earnings under these contracts were approximately \$4,243,557 during the month. Status of these contracts at the end of the month follows:

	<u>Percent Completed</u>	<u>Estimated Completion</u>
Lake Skinner Outlet Tower and Bypass Lines Chlorination Project	97	May 1994
Field Office at Domenigoni Valley Reservoir Site	38	August 1994
Calabasas Feeder Relocation	0	November 1994
Joseph Jensen Filtration Plant Expansion No. 1	90	December 1994
Henry J. Mills Filtration Plant Expansion No. 2	10	August 1996

No construction contracts were awarded during the month by the Board of Directors or the General Manager. One construction contract was completed during the month. Installation of electrolysis monitoring stations at Metro Blue Line crossings was completed by the prime contractor, American Construction and Supply, Inc., on April 15, 1994.

APRIL RAINFALL AT LOS ANGELES CIVIC CENTER (INCHES)

During the Month	0.83
Total for Season (Fiscal Year)	4.94
Normal for Season to Date	14.59
Difference from Normal	-9.65
Percent of Normal	34

APRIL TEMPERATURES AT LOS ANGELES CIVIC CENTER (DEGREES F)

Average Maximum	72.3
Average Minimum	56.2
Average	64.25
30-Year Normal	62.0

EMPLOYMENTRegular Employees by Division/Department

	<u>April 1993</u>	<u>April 1994</u>	<u>Difference</u>
Engineering	393	415	+ 22
Operations	958	957	- 1
Other Divisions and Departments	<u>728</u>	<u>721</u>	<u>- 7</u>
<u>Total Regular Employees</u>	2,079	2,093	+ 14
<u>Full-Time Equivalent (FTE)--</u> <u>Temporary Employees*</u>	103	90	- 13
<u>Total Sunset Employees</u>	131	50	- 81
<u>Total California Plaza Employees</u>	706	845	+139
<u>Total Pasadena Employees</u>	38	0	- 38
<u>Minority Applicants</u>	251	279	+ 28
<u>Minority New Hires</u>	2	5	+ 3
<u>Non-Minority Applicants</u>	341	351	+ 10
<u>Non-Minority New Hires</u>	6	2	- 4

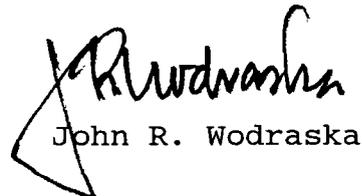
* Full-Time Equivalent Positions (approximate)--based on hours worked by temporary employees.

SACRAMENTO VALLEY FOUR BASIN INDEX*

The May 1, 1994 DWR forecast of the Four Basin Index is 8.0 million acre-feet, assuming median conditions for the remainder of the water year. This classifies the water year as Critical** according to the State Water Resources Control Board Decision 1485.

* Forecast of the total unimpaired runoff in the Sacramento, Feather, Yuba, and American River basins--the principal Delta inflow sources. Preliminary forecasts are made by DWR December through April.

** Previous year conditions impact the current year classifications.


John R. Wodraska

PCA:aj
(brd:opmay-94.05184)
Attachments

METROPOLITAN WATER DISTRICT OF SO. CAL.
 Billing Activity Report for the Month of April 1994
 TABLE A

AGENCY	BASIC SERVICE	AGRIC	SPREADING	(NOTE 1) INJECTION	SEASONAL STORAGE (NOTE 2) RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	2352.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	905,597.00
CITY OF BURBANK	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-138,594.10	446,605.90
BEVERLY HILLS	1031.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	397,050.50
CITY OF COMPTON	256.1	0.0	0.0	0.0	0.0	153.3	0.0	0.0	0.00	137,383.40
CALLEGUAS MWD	8401.5	54.7	0.0	0.0	-918.1	0.0	322.6	0.0	0.00	3,104,975.50
CHINO BASIN MWD	3114.3	0.0	0.0	0.0	0.0	538.7	0.0	0.0	0.00	1,102,397.00
CENTRAL BASIN MWD	3497.0	0.0	0.0	281.7	0.0	3601.9	0.0	90.0	0.00	2,352,220.20
COASTAL MWD	4817.3	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.00	1,853,012.70
EASTERN MWD	3783.6	0.0	0.0	0.0	0.0	0.0	0.0	69.7	0.00	1,470,903.00
CITY OF FULLERTON	347.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00	134,018.50
FOOTHILL MWD	-26.4	0.0	0.0	0.0	91.8	504.8	93.6	122.6	0.00	145,576.20
CITY OF GLENDALE	2051.1	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.00	788,934.30
CITY OF LOS ANGELES	32572.5	0.0	0.0	0.0	0.0	11631.3	0.0	0.0	0.00	13,254,644.40
CITY OF LONG BEACH	2608.3	0.0	0.0	0.0	0.0	1887.4	0.0	87.5	0.00	1,468,232.70
LAS VIRGENES MWD	1330.9	0.0	0.0	0.0	342.9	0.0	0.0	37.8	0.00	593,329.00
ORANGE COUNTY MWD	10854.9	118.4	0.0	0.0	0.0	3707.3	13436.8	394.5	-68,000.00	7,791,483.30
CITY OF PASADENA	536.7	0.0	0.0	0.0	0.0	1376.8	0.0	0.0	0.00	554,959.90
THREE VALLEYS MWD	3842.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,371,675.10
CITY OF SANTA ANA	1390.9	0.0	0.0	0.0	0.0	307.9	0.0	0.0	0.00	613,395.20
SAN DIEGO CWA	15784.3	0.0	0.0	0.0	12658.0	0.0	0.0	60.4	-110,000.00	8,453,016.90
CITY OF SAN FERNANDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
CITY OF SANTA MONICA	492.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	189,689.50
CITY OF SAN MARINO	131.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2,102.00	48,487.00
CITY OF TORRANCE	1714.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	660,082.50
SAN GABRIEL VALLEY	582.4	0.0	0.0	0.0	0.0	0.0	3880.6	0.0	0.00	1,031,388.80
WEST BASIN MWD	9509.6	0.0	0.0	487.8	0.0	2409.9	0.0	0.0	-33,900.00	4,424,803.70
WESTERN MWD	2775.5	235.2	0.0	0.0	0.0	0.0	0.0	0.0	44,435.10	1,103,041.20
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
TOTALS :	115272.7	408.7	0.0	769.5	12174.6	26119.3	17733.6	878.0	-307,911.00	

GRAND TOTAL SALES: 173,356.4 ACRE FEET

TOTAL NET INVOICE \$ 54,397,153.40

NOTE 1: INJECTION INCLUDES SEA WATER BARRIER AND GROUND WATER REPLENISHMENT BY INJECTION.

NOTE 2: AGRICULTURAL, ADJUSTMENTS AND RECLASSIFICATIONS BY SEASONAL STORAGE (SSS) BILLING MAY BE FOR A PAST MONTH BECAUSE MUCH OF THE WATER IS CERTIFIED FOR UP TO FOUR MONTHS AFTER DELIVERY.

NOTE 3: SPECIALS REPRESENT MONETARY DEBITS AND CREDITS FOR CONSERVATION, I.I.C.P., ETC.

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METROPOLITAN WATER DISTRICT OF SO. CAL.
 Year to date Water sales in A.F. to Month of April 1994
 TABLE A YEAR TO DATE

AGENCY	BASIC SERVICE	AGRIC	SPREADING	(NOTE 1) INJECTION	--- SEASONAL STORAGE (NOTE 2) --- RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	9160.0	119.3	0.0	0.0	0.0	5318.1	0.0	0.0	-104,718.00	3,522,059.30
CITY OF BURBANK	15846.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-489,213.60	5,611,496.40
BEVERLY HILLS	10718.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	4,126,545.50
CITY OF COMPTON	3385.1	0.0	0.0	0.0	0.0	971.5	0.0	0.0	0.00	1,549,053.00
CALLEGUAS MWD	70892.6	2631.2	0.0	0.0	1098.5	11.4	375.4	0.0	-76,033.68	27,331,630.72
CHINO BASIN MWD	16617.6	0.0	0.0	0.0	0.0	23688.9	1267.9	0.0	0.00	10,538,087.20
CENTRAL BASIN MWD	42571.6	0.0	0.0	3588.3	0.0	34297.1	4853.5	1395.7	-61,672.00	27,233,141.70
COASTAL MWD	54396.6	0.0	0.0	0.0	0.0	0.0	0.0	316.8	0.00	20,893,903.80
EASTERN MWD	43950.9	0.0	0.0	0.0	0.0	0.0	0.0	914.3	-35,189.00	17,032,917.80
CITY OF FULLERTON	2439.2	21.1	0.0	0.0	0.0	3432.4	0.0	0.0	0.00	1,860,233.90
FOOTHILL MWD	5153.3	0.0	0.0	0.0	91.8	2086.4	93.6	562.4	-1,966.00	2,470,210.30
CITY OF GLENDALE	22245.5	0.0	0.0	0.0	0.0	0.0	0.0	247.4	-66,256.00	8,460,161.90
CITY OF LOS ANGELES	160550.3	0.0	0.0	0.0	760.0	120766.4	0.0	576.0	0.00	82,716,171.10
CITY OF LONG BEACH	30861.9	0.0	0.0	0.0	0.0	20404.4	0.0	790.1	0.00	16,951,147.30
LAS VIRGENES MWD	14107.3	0.0	0.0	0.0	370.1	0.0	0.0	421.2	0.00	5,460,434.60
ORANGE COUNTY MWD	114335.8	1672.3	0.0	0.0	0.0	29003.5	42437.5	9256.4	-151,468.00	58,865,862.90
CITY OF PASADENA	5577.6	0.0	0.0	0.0	54.0	12261.1	-54.0	0.0	-15,995.00	5,233,439.30
THREE VALLEYS MWD	46571.2	73.7	0.0	0.0	0.0	2404.2	0.0	192.7	-49,980.00	17,516,793.70
CITY OF SANTA ANA	7953.0	0.0	0.0	0.0	0.0	10521.7	0.0	57.0	0.00	5,745,928.40
SAN DIEGO CWA	275119.0	0.0	0.0	0.0	40989.1	0.0	0.0	1803.7	-3,399,189.41	103,367,659.19
CITY OF SAN FERNANDO	118.5	0.0	0.0	0.0	0.0	680.0	0.0	0.0	0.00	219,585.20
CITY OF SANTA MONICA	3732.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,436,974.00
CITY OF SAN MARINO	1421.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2,102.00	545,098.50
CITY OF TORRANCE	16959.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	6,528,675.30
SAN GABRIEL VALLEY	6292.7	0.0	0.0	0.0	0.0	0.0	7962.6	0.0	0.00	4,078,910.30
WEST BASIN MWD	102628.2	0.0	0.0	20095.3	0.0	23454.7	0.0	0.0	-332,791.00	52,885,206.00
WESTERN MWD	14502.4	14739.9	0.0	0.0	0.0	2612.2	0.0	0.0	-784,882.22	10,077,221.88
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,500.00	2,500.00
TOTALS :	1098107.6	19257.5	0.0	23683.6	43363.5	291914.0	56936.5	16533.7	-5,568,955.91	

GRAND TOTAL SALES: 1,549,796.4 ACRE FEET

TOTAL NET INVOICE \$ 502,261,049.19

NOTE 1: INJECTION INCLUDES SEA WATER BARRIER AND GROUND WATER REPLENISHMENT BY INJECTION.

NOTE 2: AGRICULTURAL, ADJUSTMENTS AND RECLASSIFICATIONS BY SEASONAL STORAGE (SSS) BILLING MAY LAG ACTUAL DELIVERIES BECAUSE MUCH OF THE WATER IS CERTIFIED FOR UP TO FOUR MONTHS AFTER DELIVERY.

NOTE 3: SPECIALS REPRESENT MONETARY DEBITS AND CREDITS FOR CONSERVATION, I.I.C.P., ETC.

METROPOLITAN WATER DISTRICT OF SO. CAL.
 WATER SALES IN ACRE-FEET FOR THE MONTH OF APRIL 1994
 TABLE B

AGENCY	---BASIC---TREATED(NOTE)-----				AF AMOUNT	---BASIC---UNTREATED(NOTE)-----				AF AMOUNT	RECLAIMED	TOTAL AF AMOUNT
	SERVICE	AGRIC	SEASONAL	GWR		SERVICE	AGRIC	SEASONAL	GWR			
CITY OF ANAHEIM	2352.2	0.0	0.0	0.0	2352.2	0.0	0.0	0.0	0.0	0.0	0.0	2352.2
CITY OF BURBANK	1520.0	0.0	0.0	0.0	1520.0	0.0	0.0	0.0	0.0	0.0	0.0	1520.0
BEVERLY HILLS	1031.3	0.0	0.0	0.0	1031.3	0.0	0.0	0.0	0.0	0.0	0.0	1031.3
CITY OF COMPTON	256.1	0.0	153.3	0.0	409.4	0.0	0.0	0.0	0.0	0.0	0.0	409.4
CALLEGUAS MWD	8401.5	54.7	-595.5	0.0	7860.7	0.0	0.0	0.0	0.0	0.0	0.0	7860.7
CHINO BASIN MWD	0.0	0.0	0.0	0.0	0.0	3114.3	0.0	538.7	0.0	3653.0	0.0	3653.0
CENTRAL BASIN MWD	3497.0	0.0	3601.9	281.7	7380.6	0.0	0.0	0.0	0.0	0.0	90.0	7470.6
COASTAL MWD	4817.3	0.0	0.0	0.0	4817.3	0.0	0.0	0.0	0.0	0.0	10.7	4828.0
EASTERN MWD	4156.0	0.0	0.0	0.0	4156.0	-372.4	0.0	0.0	0.0	-372.4	69.7	3853.3
CITY OF FULLERTON	347.7	0.4	0.0	0.0	348.1	0.0	0.0	0.0	0.0	0.0	0.0	348.1
FOOTHILL MWD	-26.4	0.0	690.2	0.0	663.8	0.0	0.0	0.0	0.0	0.0	122.6	786.4
CITY OF GLENDALE	2051.1	0.0	0.0	0.0	2051.1	0.0	0.0	0.0	0.0	0.0	4.8	2055.9
CITY OF LOS ANGELES	-688.5	0.0	11631.3	0.0	10942.8	33261.0	0.0	0.0	0.0	33261.0	0.0	44203.8
CITY OF LONG BEACH	2608.3	0.0	1887.4	0.0	4495.7	0.0	0.0	0.0	0.0	0.0	87.5	4583.2
LAS VIRGENES MWD	1330.9	0.0	342.9	0.0	1673.8	0.0	0.0	0.0	0.0	0.0	37.8	1711.6
ORANGE COUNTY MWD	10416.8	0.0	3707.3	0.0	14124.1	438.1	118.4	13436.8	0.0	13993.3	394.5	28511.9
CITY OF PASADENA	536.7	0.0	1376.8	0.0	1913.5	0.0	0.0	0.0	0.0	0.0	0.0	1913.5
THREE VALLEYS MWD	2235.7	0.0	0.0	0.0	2235.7	1606.7	0.0	0.0	0.0	1606.7	0.0	3842.4
CITY OF SANTA ANA	1390.9	0.0	307.9	0.0	1698.8	0.0	0.0	0.0	0.0	0.0	0.0	1698.8
SAN DIEGO CWA	10827.8	0.0	4324.1	0.0	15151.9	4956.5	0.0	8333.9	0.0	13290.4	60.4	28502.7
CITY OF SAN FERNANDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CITY OF SANTA MONICA	492.7	0.0	0.0	0.0	492.7	0.0	0.0	0.0	0.0	0.0	0.0	492.7
CITY OF SAN MARINO	131.4	0.0	0.0	0.0	131.4	0.0	0.0	0.0	0.0	0.0	0.0	131.4
CITY OF TORRANCE	1714.5	0.0	0.0	0.0	1714.5	0.0	0.0	0.0	0.0	0.0	0.0	1714.5
SAN GABRIEL VALLEY	582.4	0.0	0.0	0.0	582.4	0.0	0.0	3880.6	0.0	3880.6	0.0	4463.0
WEST BASIN MWD	9509.6	0.0	2409.9	487.8	12407.3	0.0	0.0	0.0	0.0	0.0	0.0	12407.3
WESTERN MWD	1275.3	235.2	0.0	0.0	1510.5	1500.2	0.0	0.0	0.0	1500.2	0.0	3010.7
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL:	70768.3	290.3	29837.5	769.5	101665.6	44504.4	118.4	26190.0	0.0	70812.8	878.0	173356.4

NOTE: GROUND WATER REPLENISHMENT (GWR) INCLUDES SPREADING AND INJECTION. WATER DELIVERIES UNDER SPREADING ARE BILLED AS SEASONAL STORAGE DURING PERIODS THAT PROGRAM IS ACTIVE.

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METROPOLITAN WATER DISTRICT OF SO. CAL.
 Year to date Water sales in A.F. to Month of April 1994
 TABLE B YEAR TO DATE

AGENCY	BASIC SERVICE	AGRIC	SPREADING	INJECTION (NOTE 1)	SEASONAL STORAGE (NOTE 2) RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	AGENCY TOTAL (A.F.)
CITY OF ANAHEIM	9160.0	119.3	0.0	0.0	0.0	5318.1	0.0	0.0	14,597.4
CITY OF BURBANK	15846.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15,846.0
BEVERLY HILLS	10718.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10,718.3
CITY OF COMPTON	3385.1	0.0	0.0	0.0	0.0	971.5	0.0	0.0	4,356.6
CALLEGUAS MWD	70892.6	2631.2	0.0	0.0	1098.5	11.4	375.4	0.0	75,009.1
CHINO BASIN MWD	16617.6	0.0	0.0	0.0	0.0	23688.9	1267.9	0.0	41,574.4
CENTRAL BASIN MWD	42571.6	0.0	0.0	3588.3	0.0	34297.1	4853.5	1395.7	86,706.2
COASTAL MWD	54396.6	0.0	0.0	0.0	0.0	0.0	0.0	316.8	54,713.4
EASTERN MWD	43950.9	0.0	0.0	0.0	0.0	0.0	0.0	914.3	44,865.2
CITY OF FULLERTON	2439.2	21.1	0.0	0.0	0.0	3432.4	0.0	0.0	5,892.7
FOOTHILL MWD	5153.3	0.0	0.0	0.0	91.8	2086.4	93.6	562.4	7,987.5
CITY OF GLENDALE	22245.5	0.0	0.0	0.0	0.0	0.0	0.0	247.4	22,492.9
CITY OF LOS ANGELES	160550.3	0.0	0.0	0.0	760.0	120766.4	0.0	576.0	282,652.7
CITY OF LONG BEACH	30861.9	0.0	0.0	0.0	0.0	20404.4	0.0	790.1	52,056.4
LAS VIRGENES MWD	14107.3	0.0	0.0	0.0	370.1	0.0	0.0	421.2	14,898.6
ORANGE COUNTY MWD	114335.8	1672.3	0.0	0.0	0.0	29003.5	42437.5	9256.4	196,705.5
CITY OF PASADENA	5577.6	0.0	0.0	0.0	54.0	12261.1	-54.0	0.0	17,838.7
THREE VALLEYS MWD	46571.2	73.7	0.0	0.0	0.0	2404.2	0.0	192.7	49,241.8
CITY OF SANTA ANA	7953.0	0.0	0.0	0.0	0.0	10521.7	0.0	57.0	18,531.7
SAN DIEGO CWA	275119.0	0.0	0.0	0.0	40989.1	0.0	0.0	1803.7	317,911.8
CITY OF SAN FERNANDO	118.5	0.0	0.0	0.0	0.0	680.0	0.0	0.0	798.5
CITY OF SANTA MONICA	3732.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,732.4
CITY OF SAN MARINO	1421.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,421.3
CITY OF TORRANCE	16959.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16,959.3
SAN GABRIEL VALLEY	6292.7	0.0	0.0	0.0	0.0	0.0	7962.6	0.0	14,255.3
WEST BASIN MWD	102628.2	0.0	0.0	20095.3	0.0	23454.7	0.0	0.0	146,178.2
WESTERN MWD	14502.4	14739.9	0.0	0.0	0.0	2612.2	0.0	0.0	31,854.5
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS :	1098107.6	19257.5	0.0	23683.6	43363.5	291914.0	56936.5	16533.7	

GRAND TOTAL SALES (A.F.) 1,549,796.4

NOTE 1: INJECTION INCLUDES SEA WATER BARRIER AND GROUND WATER REPLENISHMENT BY INJECTION.

NOTE 2: AGRICULTURAL, ADJUSTMENTS AND RECLASSIFICATIONS BY SEASONAL STORAGE (SSS) BILLING MAY LAG ACTUAL DELIVERIES BECAUSE MUCH OF THE WATER IS CERTIFIED FOR UP TO FOUR MONTHS AFTER DELIVERY.

NOTE 3: THIS REPORT WILL NOT REFLECT INTERRUPTIBLE TRANSACTIONS THAT OCCURRED PRIOR TO JULY 1992.

METROPOLITAN WATER DISTRICT OF SO. CAL.
 WATER SALES IN DOLLARS FOR THE MONTH OF APRIL 1994
 TABLE C

AGENCY	---BASIC---TREATED------(NOTE 1)-				DOLLAR AMOUNT	---BASIC---UNTREATED------(NOTE 1)-				DOLLAR AMOUNT RECLAIMED	(NOTE 2) SPECIAL	TOT DOLLAR (\$) AMOUNT	
	SERVICE	AGRIC	SEASONAL	GWR		SERVICE	AGRIC	SEASONAL	GWR				
CITY OF ANAHEIM	905597	0	0	0	905597	0	0	0	0	0	0	905597	
CITY OF BURBANK	585200	0	0	0	585200	0	0	0	0	0	-138594	446605	
BEVERLY HILLS	397050	0	0	0	397050	0	0	0	0	0	0	397050	
CITY OF COMPTON	98598	0	38784	0	137383	0	0	0	0	0	0	137383	
CALLEGUAS MWD	3234577	21059	-150661	0	3104975	0	0	0	0	0	0	3104975	
CHINO BASIN MWD	0	0	0	0	0	990347	0	112049	0	1102397	0	1102397	
CENTRAL BASIN MWD	1346345	0	911280	108454	2366080	0	0	0	0	-13860	0	2352220	
COASTAL MWD	1854660	0	0	0	1854660	0	0	0	0	-1647	0	1853012	
EASTERN MWD	1600060	0	0	0	1600060	-118423	0	0	0	-118423	-10733	1470903	
CITY OF FULLERTON	133864	154	0	0	134018	0	0	0	0	0	0	134018	
FOOTHILL MWD	-10164	0	174620	0	164456	0	0	0	0	-18880	0	145576	
CITY OF GLENDALE	789673	0	0	0	789673	0	0	0	0	-739	0	788934	
CITY OF LOS ANGELES	-265072	0	2942718	0	2677646	10576998	0	0	0	10576998	0	13254644	
CITY OF LONG BEACH	1004195	0	477512	0	1481707	0	0	0	0	-13475	0	1468232	
LAS VIRGENES MWD	512396	0	86753	0	599150	0	0	0	0	-5821	0	593329	
ORANGE COUNTY MWD	4010468	0	937946	0	4948414	139315	37651	2794854	0	2971821	-60753	7791483	
CITY OF PASADENA	206629	0	348330	0	554959	0	0	0	0	0	0	554959	
THREE VALLEYS MWD	860744	0	0	0	860744	510930	0	0	0	510930	0	1371675	
CITY OF SANTA ANA	535496	0	77898	0	613395	0	0	0	0	0	0	613395	
SAN DIEGO CWA	4168703	0	1093997	0	5262700	1576167	0	1733451	0	3309618	-9301	8453016	
CITY OF SAN FERNANDO	0	0	0	0	0	0	0	0	0	0	0	0	
CITY OF SANTA MONICA	189689	0	0	0	189689	0	0	0	0	0	0	189689	
CITY OF SAN MARINO	50589	0	0	0	50589	0	0	0	0	0	-2102	48487	
CITY OF TORRANCE	660082	0	0	0	660082	0	0	0	0	0	0	660082	
SAN GABRIEL VALLEY	224224	0	0	0	224224	0	0	807164	0	807164	0	1031388	
WEST BASIN MWD	3661196	0	609704	187803	4458703	0	0	0	0	0	-33900	4424803	
WESTERN MWD	490990	90552	0	0	581542	477063	0	0	0	477063	0	1103041	
SPC CONT	0	0	0	0	0	0	0	0	0	0	250	250	
TOTAL:	27245795	111765	7548887	296257	\$35202706	14152399	37651	5447520	0	\$19637570	-135212	-307911	\$54397153

NOTE 1: GROUND WATER REPLENISHMENT (GWR) INCLUDES SPREADING AND INJECTION. WATER DELIVERIES UNDER SPREADING ARE BILLED AS SEASONAL STORAGE DURING PERIODS THAT PROGRAM IS ACTIVE.

NOTE 2: SPECIALS REPRESENT MONETARY DEBITS AND CREDITS FOR CONSERVATION, I.I.C.P., ETC.

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The Metropolitan Water District of Southern California

TABLE D

MONTHLY ANALYSES OF THE DISTRICT WATER SUPPLIES--MARCH 1994*

CONSTITUENTS	SYMBOLS AND UNITS	SOURCE WATERS							FILTRATION PLANT EFFLUENTS					
		LAKE HAVASU NEAR WHITSETT INTAKE	SAN JACINTO TUNNEL WEST PORTAL	LAKE MATH- EWS	CASTAIC LAKE	SILVER- WOOD LAKE	LAKE PERRIS	LAKE SKIN- NER	WEY- MOUTH PLANT	DIEMER PLANT	JENSEN PLANT	SKIN- NER PLANT NO. 1	SKIN- NER PLANT NO. 2	MILLS PLANT **
MONTH OR DAY OF SAMPLING		3/1/94	3/7/94	3/7/94	Mar-94	3/7/94	3/7/94	Mar-94	Mar-94	Mar-94	Mar-94	Mar-94	Mar-94	Mar-94
SILICA	SiO ₂ mg/L	7.8	7.7	8.3	15.1	13.3	2.2	8.1	10.7	9.7	14.9	7.8	8.3	6.8
CALCIUM	Ca mg/L	75	78	77	38	15	22	76	61	75	38	80	76	24
MAGNESIUM	Mg mg/L	33	32	33	17	11.5	19.5	31.5	24.5	31	17	31.5	30.5	16
SODIUM	Na mg/L	109	108	108	58	40	87	112	90	111	60	110	108	78
POTASSIUM	K mg/L	6.6	6.8	7.1	3.6	3.2	6.5	5.5	4.8	5.2	3.6	5.4	5.5	4.4
CARBONATE	CO ₃ mg/L	1	1	1	0	0	1	0	0	0	0	0	0	0
BICARBONATE	HCO ₃ mg/L	170	162	165	115	89	127	157	138	154	117	155	151	115
SULFATE	SO ₄ mg/L	289	277	280	101	35	57	292	221	277	102	289	290	51
CHLORIDE	Cl mg/L	90	95	94	66	52	122	97	88	96	68	99	98	105
NITRATE	NO ₃ mg/L	1.22	1.18	1.21	2.22	2.55	<0.05	0.92	1.26	1.26	2.24	0.97	0.97	0.20
FLUORIDE	F mg/L	0.37	0.36	0.38	0.29	0.38	0.20	0.34	0.27	0.34	0.28	0.33	0.33	0.15
BORON	B mg/L	0.15	0.14	0.14	0.32	0.14	0.24	0.14	0.15	0.15	0.32	0.15	0.14	0.24
TOTAL DISSOLVED SOLIDS	TDS mg/L	698	688	692	359	217	381	702	571	684	365	702	693	343
TOTAL HARDNESS AS CaCO ₃	mg/L	323	327	328	165	85	135	319	253	315	165	329	315	126
TOTAL ALKALINITY AS CaCO ₃	mg/L	141	135	137	94	73	106	129	113	126	96	127	124	94
FREE CARBON DIOXIDE	CO ₂ mg/L	1.3	1.1	1.1	1.8	1.2	0.5	1.5	1.9	2.3	1.4	3.4	4.5	1.0
H ⁺ CONCENTRATION	pH	8.35	8.40	8.40	8.02	8.10	8.60	8.25	8.09	8.04	8.14	7.88	7.75	8.29
SPECIFIC CONDUCTANCE	µmho/cm	1040	1110	1090	618	373	704	1120	931	1080	626	1110	1110	653
COLOR	CU	-	-	-	-	-	-	-	3	3	3	2	3	2
FILTER EFFLUENT TURBIDITY	NTU	-	-	-	-	-	-	-	0.08	0.06	0.08	0.07	-	0.06
TURBIDITY	NTU	0.78	0.47	0.30	0.86	1.60	0.90	2.0	0.07	0.06	0.09	0.07	0.07	0.06
TEMPERATURE	°C	12	14	14	12	9	14	15	13	14	12	15	15	13
BROMIDE	Br mg/L	0.10	0.10	0.10	0.20	0.16	0.40	0.10	-	-	-	-	-	-
TOTAL ORGANIC CARBON	TOC mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL TRIHALOMETHANES	TTHMs µg/L	-	-	-	-	-	-	-	67	37	55	25	26	55
PCT. STATE PROJECT WATER	%SPW %	0	0	0	100	100	100	0	25	5	100	0	0	100

* The general mineral analyses were performed by a contract laboratory.

** The Mills Plant treated Lake Perris water March 3-17, 1994.

TABLE E. GENERAL MANAGER'S MONTHLY REPORT

Apr 1994

Storage in Colorado River Basin Reservoirs at End of Month

(1,000 acre-feet)

Reservoir	Usable Contents Above Lowest Outlet	Percent of Usable Capacity	Usable Contents Above Min. Power Head	Change * in Contents During Month	Change * in Contents Since Apr 1993
<i>Upper Basin</i>					
Fontenelle	126	37	0	(3)	30
Flaming Gorge	3,271	87	3,038	13	155
Blue Mesa	579	70	498	12	166
Morrow Point	109	93	34	(1)	(2)
Crystal	16	91	5	(1)	(1)
Navajo	1,658	98	---	68	241
Powell	17,720	73	13,723	(65)	3,560
Subtotal	23,479	76	17,298	23	4,149
<i>Lower Basin</i>					
Mead	20,803	80	10,779	(488)	(1,124)
Mohave	1,712	95	1,495	47	165
Havasu	569	92	130	(8)	(26)
Subtotal	23,084	81	12,404	(449)	(985)
Basin Total	46,563	78	29,702	(426)	3,164

* Numbers within () are negative numbers.

T A B L E F
 FINANCIAL SUMMARY
 FISCAL YEAR 1993-94
 CASH BASIS
 (\$ in Millions)

	ACTUAL THRU APRIL 1994	BUDGET THRU APRIL 1994	VARIANCE DOLLARS + / (-)	PROJECTED YEAR END	ANNUAL BUDGET	VARIANCE DOLLARS + / (-)
<u>RECEIPTS</u>						
WATER SALES	\$511.7	\$504.5	\$7.2	\$611.1	\$588.2	\$22.9
POWER RECOVERIES	\$11.1	\$16.5	(\$5.4)	\$13.6	\$19.0	(\$5.4)
TAXES	\$75.7	\$79.6	(\$3.9)	\$85.7	\$90.0	(\$4.3)
INTEREST	\$19.1	\$18.8	\$0.3	\$20.8	\$20.0	\$0.8
WATER STANDBY CHARGES	\$29.0	\$40.7	(\$11.7)	\$50.0	\$50.0	\$0.0
OTHER RECEIPTS	\$9.0	\$0.6	\$8.4	\$9.1	\$0.8	\$8.3
TOTAL RECEIPTS	<u>\$655.6</u>	<u>\$660.7</u>	<u>(\$5.1)</u>	<u>\$790.3</u>	<u>\$768.0</u>	<u>\$22.3</u>
<u>EXPENDITURES</u>						
STATE WATER CONTRACT	\$208.6	\$290.5	\$81.9	\$242.0	\$312.9	\$70.9
WATER TRANSFERS/OPTIONS	\$0.5	\$12.0	\$11.5	\$1.1	\$12.0	\$10.9
COLORADO RIV. SUPPLIES	\$48.4	\$79.0	\$30.6	\$64.8	\$87.7	\$22.9
MWD CAPITAL PROGRAM	\$130.0	\$150.4	\$20.4	\$168.1	\$172.1	\$4.0
MWD O&M	\$181.8	\$181.4	(\$0.4)	\$219.7	\$219.8	\$0.1
TOTAL EXPENDITURES	<u>\$569.3</u>	<u>\$713.3</u>	<u>\$144.0</u>	<u>\$695.7</u>	<u>\$804.5</u>	<u>\$108.8</u>
INCREASE (DECREASE) in CASH and INVESTMENTS	<u>\$86.3</u>	<u>(\$52.6)</u>	<u>\$138.9</u>	<u>\$94.6</u>	<u>(\$36.5)</u>	<u>\$131.1</u>

Minor differences are due to rounding.

ACRE-FEET SALES IN THOUSANDS

	ACTUAL	BUDGETED	DIFFERENCE
CUMULATIVE MAY TO FEBRUARY	1,581.7	1,549.5	32.2
MARCH DELIVERIES	128.9	99.4	29.5
APRIL DELIVERIES	173.4	151.0	22.3

The Metropolitan Water District of Southern California

**MONTHLY PROGRESS REPORT
OF CONSTRUCTION AND PROCUREMENT CONTRACTS**

April 1994

SUMMARY OF PROGRESS

	<u>Construction Contracts</u>	<u>Procurement Contracts</u>
Number of Contracts	6	1
Total Bid Amount of Contracts in Progress	\$ 175,495,365	\$ 6,670,000
Number of Contracts Awarded this Month	0	0
Total Bid Amount of Contracts Awarded this Month	0	0
Contract Gross Earnings this Month	4,243,557	18,000

There were no construction contracts awarded during the month of April 1994 by the Board of Directors or the General Manager.

There was one construction contract completed during the month of April 1994. Contract No. 1420, covering the installation of electrolysis monitoring stations at Metro Blue Line crossings, was completed by the contractor, American Construction and Supply, Inc., and accepted by the District on April 15, 1994.

A tabular summary of current construction contracts is included as page 3 of this report. Details of the status of current construction contracts are shown on pages 6 through 11 of this report.

Tabular summaries of construction contracts completed this month and of construction contracts which have been completed but have final payments pending are included on page 4 of this report.

There were no procurement contracts awarded or completed during the month of April 1994.

A tabular summary of procurement contracts is included on page 5 of this report.

CONTENTS

<u>DESCRIPTION</u>	<u>PAGE</u>
Summary of Construction Contracts	3
Summary of Construction Contracts Completed During the Month	4
Summary of Procurement Contracts	5
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THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

SUMMARY OF CONSTRUCTION CONTRACTS

Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Earnings This Month	Earnings To Date	Start Date	Contract Completion Date	Estimated Completion Date	Estimated Percent Complete	Percent Contract Time Elapsed
1393	1200	Joseph Jensen Filtration Plant Expansion No. 1	Hyman/JWP West, A Joint Venture	101,986,000	1,862,439	95,859,390	9/05/91	10/19/94	12/94	90	83
1418	1238 A	Henry J. Mills Filtration Plant Expansion No. 2	M. A. Mortenson Company	69,943,000	2,260,239	7,237,475	10/07/93	08/30/96	08/96	10	18
1416	1262	Lake Skinner Outlet Tower and Bypass Lines Chlorination Project	Pro Contracting Corp.	1,062,200	42,057	1,033,896	10/06/93	06/14/94	05/94	97	81
1421	1264	Field Office at Domenigoni Valley Reservoir Site	Inland Asphalt and Coating and Space Leasing Co., Inc., a Joint Venture	1,232,351	37,008	466,006	01/06/94	08/19/94	08/94	38	46
1422	1271	Calabasas Feeder Relocation	Pascal & Ludwig Engineers	1,230,000	0	0	04/12/94	11/29/94	11/94	0	1

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

SUMMARY OF CONSTRUCTION CONTRACTS COMPLETED THIS MONTH

Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Estimated Final Earnings	Date Work Accepted	Date Notice of Completion Recorded	Date Final Payment Due
1420	1267	Electrolysis Monitoring Stations at Metro Blue Line Crossings	American Construction and Supply	\$41,814	\$41,814	04-15-94	04-22-94	05-27-94

SUMMARY OF CONSTRUCTION CONTRACTS WHICH HAVE BEEN COMPLETED BUT HAVE FINAL PAYMENTS PENDING

Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Estimated Final Earnings	Date Work Accepted	Date Notice of Completion Recorded	Date Final Payment Due
1411	1192A	Maintenance Building and Operations Building Annex at Mills Plant	Tilden-Coil Constructors	\$2,569,690	2,752,866	12-13-93	12-16-93	01-20-94*

* Final Payment pending settlement of various outstanding claims and credits submitted by Prime Contractor and District.

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

SUMMARY OF PROCUREMENT CONTRACTS

Cont. No.	Spec. No.	Equipment or Material	Contractor	Contract Price	Earnings This Month	Earnings To Date	Starting Date	Delivery Date	Remarks
1396	1207	Four Computer-Based Control Systems	JWP Controls	\$6,670,000	\$18,000	\$1,188,360	3/12/92	—	

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Joseph Jensen Filtration Plant--Expansion No. 1		
CONTRACTOR	Hyman/JWP West, A Joint Venture		
SPECIFICATIONS NO.	1200	BID	\$ 101,986,000
CONTRACT NO.	1393	EXTRA WORK TO DATE	3,931,420
CONTRACT STARTING DATE	September 5, 1991	EARNINGS THIS MONTH	1,862,439
CONTRACT COMPLETION DATE	October 19, 1994	EARNINGS TO DATE	95,859,390
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	90
		PERCENT CONTRACT TIME ELAPSED	83

SCOPE OF WORK

Construction of 510-million-gallon-per-day expansion of the existing plant including influent and effluent pipelines, filter modules, flocculation basins, chemical mixing storage facilities, plant control units, washwater reclamation facilities, finished water reservoirs, and appurtenant work location at 13100 Balboa Boulevard, Granada Hills, California.

CONSTRUCTION PROGRESS

Repair of earthquake-related damage continued at the overflow structure at finished water reservoir No. 2, the traveling bridges, sealant joints in module No. 2, and to concrete throughout the site, as required. Repairs to the flocculators in module No. 2 were completed.

Erection of forms, installation of reinforcing steel, and placement of concrete continued throughout the month in module No. 3, the dry polymer building, and the sludge thickeners.

Installation of electrical duct banks, conduit, pull boxes, and ground wire continued throughout the jobsite as required. Start-up testing of equipment in the washwater reclamation facilities and module No. 2 was in progress throughout the month.

Painting operations were continued at washwater tank No. 2 during the month. Coating of miscellaneous metals, piping, handrails, traveling bridges, and mechanical equipment in module No. 2 was also continued.

Contractor personnel, including employees of subcontractors, averaged 164 persons during the month of April 1994.

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Henry J. Mills Filtration Plant Expansion No. 2		
CONTRACTOR	M. A. Mortenson Company		
SPECIFICATIONS NO.	1238A	BID	\$ 69,943,000
CONTRACT NO.	1418	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	October 7, 1993	EARNINGS THIS MONTH	2,260,239
CONTRACT COMPLETION DATE	August 30, 1996	EARNINGS TO DATE	7,237,475
ESTIMATED COMPLETION DATE	August 1996	ESTIMATED PERCENT COMPLETE	10
		PERCENT CONTRACT TIME ELAPSED	18

SCOPE OF WORK

Construction of 220-million-gallon-per-day expansion to the existing plant, including influent and effluent conduits, filtration modules, chemical mixing and storage facilities, plant control structures, washwater reclamation facilities, and all appurtenant work located at 550 East Alessandro Boulevard, Riverside, California.

CONSTRUCTION PROGRESS

Blasting operations were started at the influent conduit and the inlet control structure during the month. Excavation operations were started for the 84-inch-diameter pumpback pipeline. Backfill operations were continued at the filters in module No. 4 throughout the month.

Installation of the subdrain system within modules Nos. 3 and 4 continued throughout the month.

Construction of forms, installation of reinforcing steel and embedded items, and placement of concrete were in progress for the used washwater storage channel in module No. 3, the filter beds in module No. 4, and various miscellaneous structures, as required. Concrete was also placed for a portion of electrical duct bank south of module No. 3.

Contractor personnel, including employees of subcontractors, averaged 82 persons during the month of April 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Lake Skinner Outlet Tower and Bypass Lines Chlorination Project		
CONTRACTOR	Pro Contracting Corporation		
SPECIFICATIONS NO.	1262	BID	\$ 1,062,200
CONTRACT NO.	1416	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	October 6, 1993	EARNINGS THIS MONTH	42,057
CONTRACT COMPLETION DATE	June 14, 1994	EARNINGS TO DATE	1,033,896
ESTIMATED COMPLETION DATE	May 1994	ESTIMATED PERCENT COMPLETE	97
		PERCENT CONTRACT TIME ELAPSED	81

SCOPE OF WORK

Construction of three small buildings, including installation of approximately 20,000 linear feet of 6-inch-diameter PVC chlorine lines, 10-inch-diameter water lines, and 8-inch-diameter double-wall fiberglass chlorine line; located at the Skinner Plant, 33740 Borel Road, Winchester, California.

CONSTRUCTION PROGRESS

The motor control centers were delivered to the jobsite and set in place during the month. The required transformer is scheduled for delivery to the jobsite and installation during mid-May.

All asphalt concrete paving required under the contract was placed during the month.

Painting of the three ejector building was in progress during the month and is now essentially completed.

Contractor personnel, including employee of subcontractors, averaged 10 persons during the month of April 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Electrolysis Monitoring Stations at Metro Blue Line Crossings		
CONTRACTOR	American Construction and Supply, Inc.		
SPECIFICATIONS NO.	1267	BID	\$ 41,814
CONTRACT NO.	1420	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	January 5, 1994	EARNINGS THIS MONTH	41,814
CONTRACT COMPLETION DATE	May 10, 1994	EARNINGS TO DATE	41,814
ACTUAL COMPLETION DATE	April 15, 1994	ESTIMATED PERCENT COMPLETE	100
		PERCENT CONTRACT TIME ELAPSED	100

SCOPE OF WORK

Installation of six electrolysis monitoring stations and all appurtenances at these specified locations located along the Metro Blue Line located in the cities of Los Angeles and Compton.

CONSTRUCTION PROGRESS

All work required under the contract was completed by the contractor and accepted by District personnel on April 15, 1994.

The Notice of Completion was recorded by the Los Angeles County Recorded on April 22, 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Field Office at Domenigoni Valley Reservoir Site		
CONTRACTOR	Inland Asphalt and Coating, and Leasing Co., Inc., a Joint Venture		
SPECIFICATIONS NO.	1264	BID	\$1,232,351
CONTRACT NO.	1421	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	January 6, 1994	EARNINGS THIS MONTH	37,008
CONTRACT COMPLETION DATE	August 17, 1994	EARNINGS TO DATE	466,006
ESTIMATED COMPLETION DATE	August 1994	ESTIMATED PERCENT COMPLETE	38
		PERCENT CONTRACT TIME ELAPSED	46

SCOPE OF WORK

Design, fabrication, and installation of a factory manufactured modular field office, and pre-engineered metal storage building plus all site work, located at Newport Road, one mile east of Highway 79, Riverside County.

CONSTRUCTION PROGRESS

Excavation required for the footings for the modular office building, trash enclosure, and the fuel storage enclosure was accomplished during the month. Construction of forms for these footings is now in progress.

Construction of required car port columns and footing was completed during the month.

Construction of sidewalks for the field office building was completed during the month.

Contractor personnel, including employees of subcontractors, averaged six persons during the month of April 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

April 1994

CONSTRUCTION OF	Calabasas Feeder Relocation Station 471+86 to Station 482+89.23		
CONTRACTOR	Pascal & Ludwig Engineers		
SPECIFICATIONS NO.	1271	BID	\$1,230,000
CONTRACT NO.	1422	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	April 12, 1994	EARNINGS THIS MONTH	0
CONTRACT COMPLETION DATE	November 29, 1994	EARNINGS TO DATE	0
ESTIMATED COMPLETION DATE	November 1994	ESTIMATED PERCENT COMPLETE	0
		PERCENT CONTRACT TIME ELAPSED	1

SCOPE OF WORK

Construction of approximately 1,140 feet of 59-inch-diameter-welded-steel pipeline including construction of manhole, air release, and pumping well structures, equipment, and appurtenance near the intersection of Valley Circle Boulevard and the Ventura Freeway in the San Fernando Valley of Los Angeles.

CONSTRUCTION PROGRESS

The contractor received its Notice to Proceed with all work required under the contract on April 11, 1994.

The contract has submitted certain shop drawings and schedules for Metropolitan's review and approval.

No field work has been started to date.

(db:prog-rpt.may-02074)