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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*Darwin E. Duff*  
EXECUTIVE SECRETARY

9-1(ii)

March 17, 1994

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

The following tables contain February 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>Feb.</u> <u>1994</u> AF	<u>Jan.</u> <u>1994</u> AF	<u>Feb.</u> <u>1993</u> AF	<u>Total Fiscal</u> <u>Year to Date</u> AF
<b>TOTAL WATER SALES</b>	100,466	143,053	99,861	1,247,563
<b>REVENUE</b>	31,476,136	42,253,209	24,944,274	405,125,208
<b>BASIC SERVICE</b>	53,281	87,728	71,005	892,477
<b>AGRICULTURAL</b>	1,725	1,420	629	18,460
<b>SPREADING</b>	0	0	0	0
<b>BARRIER INJECTION</b>	2,026	2,287	2,307	20,701
<b>SEASONAL STORAGE</b>				
Spreading	730	4,311	9,638	33,410
Reservoir Storage	13,036	6,268	4,994	29,074
In-Lieu	28,782	39,975	10,966	238,866
<b>RECLAIMED</b>	886	1,065	321	14,576
<b>TREATED</b>	80,594	101,336	63,824	880,370
<b>UNTREATED</b>	18,985	40,653	35,716	352,617

(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 February 28, 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	117,692,825	119,283,000	117,742,312
Minimum	53,673,051	56,270,000	53,638,207
Power	<u>96,992,136</u>	<u>66,394,000</u>	<u>(2,242,459)</u>
Total	<u>\$268,358,012</u>	<u>\$241,947,000</u>	<u>\$169,138,060</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 Statement of Charges to Date and the Amount Paid to Date is due to changes in the Variable OMP&R water quantities, revised Off-Aqueduct power charges, and the application of power credits.

POWER FOR PUMPING

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

<u>Colorado River Energy</u>	<u>Kwh</u>
Hoover Power Plant	79,712,000
Parker Power Plant	<u>11,307,000</u>
Subtotal	91,019,000
Southern California Edison (SCE)	
Benefit Energy	18,745,365
SCE Exchange Energy	0
SCE Purchased Energy	47,424,000
California Department of Water	
Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>40,577,000</u>
Total Generated for Metropolitan	197,765,365
Colorado River Aqueduct (CRA)	
Power Available to DWR	0
CRA Power Available to SCE	0

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

February 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>
<u>PHASE I</u>				
Greg Avenue	129,600	2,155,619	\$6,009.55	\$97,220.92
Lake Mathews	2,250,000	21,475,954	104,332.50	973,092.55
Foothill Feeder	2,376,000	36,697,370	110,175.12	1,659,697.20
San Dimas	0	20,110,929	0.00	905,746.37
Yorba Linda	<u>2,226,000</u>	<u>21,484,048</u>	<u>103,219.62</u>	<u>974,258.84</u>
Subtotal	6,981,600	101,923,920	323,736.79	4,610,015.88
<u>PHASES II-IV</u>				
Sepulveda Canyon	168,000	16,908,000	5,537.55	990,710.60
Venice	0	9,792,000	0.00	594,650.71
Temescal	1,602,000	13,419,000	59,695.17	626,286.14
Corona	1,578,000	13,068,000	58,729.92	609,078.95
Perris	0	0	0.00	0.00
Rio Hondo	200,000	7,052,000	7,586.50	354,151.73
Coyote Creek	1,323,000	11,580,000	49,505.94	536,082.54
Red Mountain	0	5,832,000	0.00	348,190.57
Valley View	<u>0</u>	<u>5,140,000</u>	<u>0.00</u>	<u>285,182.13</u>
Subtotal	4,871,000	82,791,000	181,055.08	4,344,333.37
Total	<u>11,852,600</u>	<u>184,714,920</u>	<u>504,791.87</u>	<u>8,954,349.25</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 as CaCO <sub>3</sub>	Feb. 94	328*	169*	304*	327*	329*	138*
	Jan. 94	323	170	329	330	330	91
	Feb. 93	310	173	303	285	294	102
Total Dissolved Solids--mg/l	Feb. 94	704**	392**	661**	706**	704**	368**
	Jan. 94	692	397	697	701	696	218
	Feb. 93	656	397	623	562	593	308

\* Preliminary

\*\* Estimate

(See Table D for Analysis of Water Supplies.)

WATER PROCESSED

		<u>Diemer</u>	<u>Jensen</u>	<u>Weymouth</u>	<u>Skinner</u>	<u>Mills</u>
		AF	AF	AF	AF	AF
<u>Individual Plant</u>	Feb. 1994	29,001	13,537	26,998	7,203	2,297
	Jan. 1994	37,380	12,931	30,198	18,309	3,656
	Feb. 1993	22,525	11,486	19,664	7,496	2,683
		<u>Avg.</u>	<u>Ann.</u>	<u>Treated</u>		<u>Total Fiscal</u>
		<u>Rate</u>	<u>Diff.</u>	<u>AF</u>		<u>Year to Date</u>
		cfs	%			AF
<u>Total all Plants</u>	Feb. 1994	1,423	+24	79,036		923,734
	Jan. 1994	1,667	+53	102,474		844,698
	Feb. 1993	1,150	+3	63,854		827,678

RESERVOIR STORAGE

	<u>Usable</u>	<u>Feb.</u>	<u>Jan.</u>	<u>Feb.</u>	<u>Annual</u>
	<u>Storage</u>	<u>1994</u>	<u>1994</u>	<u>1993</u>	<u>Difference</u>
	%	AF	AF	AF	AF
<u>Distribution</u>					
Lake Mathews	71	129,730	113,559	172,839	(43,109)
Lake Skinner	77	33,823	40,637	40,518	(6,695)

Colorado River Basin

Upper Basin	75	23,444,000	23,790,000	18,320,000	5,124,000
Lower Basin	83	23,813,000	23,693,000	23,823,000	(10,000)

(See Table E for details.)

State Water Project

Oroville	70	2,459,257	2,380,595	2,480,041	(20,784)
San Luis (State)	100	1,065,878	1,066,976	989,965	75,913
Pyramid	95	158,024	160,396	156,835	(1,189)
Castaic	84	257,034	225,530	297,099	(40,065)
Silverwood	88	62,133	69,151	66,322	(4,189)
Perris	89	113,699	116,272	119,592	(5,893)

Central Valley Project

Clair Engle	80	1,951,880	1,924,880	884,780	1,067,100
Shasta	72	3,182,710	2,942,610	3,343,410	(160,700)
Folsom	37	377,400	355,100	504,500	(127,100)
New Melones	33	792,000	774,300	367,800	424,200
San Luis	99	965,125	964,154	644,862	320,263
(federal)					

FINANCE INVESTMENT PORTFOLIO (FACE VALUE AT MATURITY)

<u>Securities</u>	<u>02-28-94 Balance</u>	<u>Percent</u>
U.S. Treasury Obligations	\$ 266,376,000	24.7
U.S. Guarantees - GNMA's	3,600,000	.3
Federal Agency Obligations	172,107,000	16.0
Repurchase Agreements	212,853,000	19.8
Bankers Acceptances	14,462,000	1.3
Commercial Paper	159,831,000	14.8
Negotiable Certificates of Deposit	45,229,000	4.2
Local Agency Investment Fund	203,000,000	18.9
California G.O. Bond (SWP)	35,000	—
Cash and Equivalents:		
MWD Federal Credit Union Demand Accounts	\$ 100,000	—
Petty Cash and Draft Account	804,000	
Overnight Investments	65,000	
	<u>(\$1,152,000)</u>	—
<b>TOTAL</b>	<b><u>\$ 1,077,310,000</u></b>	<b><u>100.0</u></b>

Yield Comparisons (Percent)

	<u>01-31-94</u>	<u>02-28-94</u>
	<u>(12-Month Moving Average)</u>	
1-Year Treasury Bill	3.4	3.8
1-Year Time Deposit	3.0	3.5
6-Month Treasury Bill	3.1	3.6
6-Month Time Deposit	2.7	3.2
Portfolio Yield (Range)	4.0	4.1 (3.1% to 10.0%)

(See Tables F for financial summaries.)

CONSTRUCTION PROGRESS FOR FEBRUARY 1994

The Field Inspection, Technical Support, and Contract Administration Branches continued their respective duties throughout the month in conjunction with nine construction contracts having a contract value in excess of \$185.6 million. Contract earnings under these contracts were approximately \$2,928,399 during the month. Status of these contracts at the end of the month follows:

	<u>Percent Completed</u>	<u>Estimated Completion</u>
Cathodic Protection System for East Orange County Feeder No. 2	99	February 1994
Construction of San Diego Canal Relocation	95	March 1994
Seismic Upgrading of La Verne Maintenance Shop Building	90	March 1994
Electrolysis Monitoring Stations at Metro Blue Line Crossings	0	May 1994
Lake Skinner Outlet Tower and Bypass Lines Chlorination Project	78	June 1994
Field Office at Domenigoni Valley Reservoir Site	27	July 1994
Joseph Jensen Filtration Plant Expansion No. 1	87	December 1994
Henry J. Mills Filtration Plant Expansion No. 2	5	August 1996

No construction contracts were awarded during the month. One construction contract was completed during the month: construction of the Etiwanda Power Plant was completed by the prime contractor and accepted by Metropolitan on February 9, 1994.

FEBRUARY RAINFALL AT LOS ANGELES CIVIC CENTER (INCHES)

During the Month	0.32
Total for Season (Fiscal Year)	2.25
Normal for Season to Date	11.07
Difference from Normal	-8.82
Percent of Normal	20

FEBRUARY TEMPERATURES AT LOS ANGELES CIVIC CENTER (DEGREES F)

Average Maximum	68.3
Average Minimum	50.3
Average	59.3
30-Year Normal	58.9

EMPLOYMENTRegular Employees by Division/Department

	<u>Feb. 1993</u>	<u>Feb. 1994</u>	<u>Difference</u>
Engineering	387	412	+ 25
Operations	959	955	- 4
Other Divisions and Departments	<u>718</u>	<u>715</u>	- 3
<u>Total Regular Employees</u>	2,064	2,082	+ 18
<u>Full-Time Equivalent (FTE)--</u>			
<u>Temporary Employees*</u>	104	90	- 14
<u>Total Sunset Employees</u>	409	84	-325
<u>Total California Plaza Employees</u>	280	754	+474
<u>Total Pasadena Employees</u>	172	36	-136
<u>Minority Applicants</u>	335	734	+399
<u>Minority New Hires</u>	1	6	+ 5
<u>Non-Minority Applicants</u>	456	623	+167
<u>Non-Minority New Hires</u>	8	2	- 6

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

SACRAMENTO VALLEY FOUR BASIN INDEX\*

The March 1, 1994 DWR forecast of the Four Basin Index is 10.3 million acre-feet, assuming median conditions for the remainder of the water year. This classifies the water year as Dry\*\* 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.

  
for John R. Wodraska

PCA:jj/aj  
(brd:opmar-94.02084)

Attachments

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

P.6/6

AGENCY	BASIC SERVICE	AGRIC	SPREADING	(NOTE 1) INJECTION	[--- SEASONAL STORAGE (NOTE 2) ---]			RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
					RESERVOIR	IN-LIEU	SPREADING			
CITY OF ANAHEIM	325.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	189,771.80
CITY OF BURBANK	1176.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	452,952.50
BEVERLY HILLS	782.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	381,378.00
CITY OF COMPTON	213.5	0.0	0.0	0.0	0.0	189.4	0.0	0.0	0.00	130,115.70
CALLEGUAS MWD	3482.9	169.5	0.0	0.0	0.0	11.4	0.0	0.0	0.00	1,409,058.20
CHINO BASIN MWD	3583.5	0.0	0.0	0.0	0.0	0.0	726.4	0.0	0.00	1,290,644.20
CENTRAL BASIN MWD	2412.2	0.0	0.0	256.0	0.0	3350.7	3.1	127.2	0.00	2,087,040.10
COASTAL MWD	2566.8	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.00	985,661.60
EASTERN MWD	1905.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	756,983.70
CITY OF FULLERTON	140.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	54,554.50
FOOTHILL MWD	191.8	0.0	0.0	0.0	0.0	347.3	0.0	110.7	0.00	144,662.10
CITY OF GLENDALE	1603.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-66,256.00	551,014.50
CITY OF LOS ANGELES	5424.8	0.0	0.0	0.0	760.0	16261.5	0.0	0.0	0.00	6,471,193.00
CITY OF LONG BEACH	2342.9	0.0	0.0	0.0	0.0	1122.0	0.0	16.0	0.00	1,183,418.50
LAS VIRGENES MWD	1189.5	0.0	0.0	0.0	0.0	0.0	0.0	75.4	0.00	446,345.90
ORANGE COUNTY MWD	6211.6	114.8	0.0	0.0	0.0	4533.1	0.0	505.5	0.00	3,480,042.00
CITY OF PASADENA	1369.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-15,995.00	511,339.50
THREE VALLEYS MWD	3318.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-19,980.00	1,161,249.60
CITY OF SANTA ANA	730.3	0.0	0.0	0.0	0.0	732.4	0.0	0.0	0.00	466,462.70
SAN DIEGO CWA	4504.2	0.0	0.0	0.0	12275.5	0.0	0.0	34.8	0.00	4,328,211.00
CITY OF SAN FERNANDO	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,424.50
CITY OF SANTA MONICA	214.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	82,659.50
CITY OF SAN MARINO	72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	28,028.00
CITY OF TORRANCE	1210.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	466,004.00
SAN GABRIEL VALLEY	477.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	183,876.00
WEST BASIN MWD	7583.8	0.0	0.0	1769.6	0.0	2234.2	0.0	0.0	-26,500.00	4,109,011.60
WESTERN MWD	-170.4	1440.0	0.0	0.0	0.0	0.0	0.0	0.0	-121,961.10	282,783.60
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
TOTALS :	53281.3	1725.4	0.0	2025.6	13035.5	28782.0	729.5	886.2	-250,442.10	

GRAND TOTAL SALES: 100,465.5 ACRE FEET

TOTAL NET INVOICE \$ 31,476,136.30

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 February 1994  
 TABLE A YEAR TO DATE

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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	6621.0	117.6	0.0	0.0	0.0	5318.1	0.0	0.0	0.00	2,648,607.80
CITY OF BURBANK	13116.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-350,619.50	4,699,233.00
BEVERLY HILLS	8670.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	3,338,065.50
CITY OF COMPTON	2676.7	0.0	0.0	0.0	0.0	818.2	0.0	0.0	0.00	1,237,534.10
CALLEGUAS MWD	55855.7	2476.9	0.0	0.0	1781.0	11.4	52.8	0.0	-76,033.68	21,624,673.42
CHINO BASIN MWD	18061.9	0.0	0.0	0.0	0.0	19944.1	2136.9	0.0	0.00	10,399,208.20
CENTRAL BASIN MWD	55046.9	0.0	0.0	3013.1	0.0	27355.6	4653.5	1222.6	-61,672.00	22,385,130.10
COASTAL MWD	44733.8	0.0	0.0	0.0	0.0	0.0	0.0	302.3	0.00	17,175,956.80
EASTERN MWD	37515.8	0.0	0.0	0.0	0.0	0.0	0.0	844.6	-35,189.00	14,515,405.70
CITY OF FULLERTON	1922.6	20.6	0.0	0.0	0.0	3432.4	0.0	0.0	0.00	1,661,150.40
FOOTHILL MWD	4708.6	0.0	0.0	0.0	0.0	1299.2	0.0	413.8	-1,966.00	2,075,817.40
CITY OF GLENDALE	18148.2	0.0	0.0	0.0	0.0	0.0	0.0	242.2	-66,256.00	6,883,502.20
CITY OF LOS ANGELES	110504.9	0.0	0.0	0.0	760.3	98969.2	0.0	547.3	0.00	60,453,971.40
CITY OF LONG BEACH	24526.4	0.0	0.0	0.0	0.0	17504.8	0.0	673.6	0.00	13,796,322.00
LAS VIRGENES MWD	11860.1	0.0	0.0	0.0	27.2	0.0	0.0	383.4	0.00	4,514,330.10
ORANGE COUNTY MWD	95591.2	1410.6	0.0	0.0	0.0	21760.4	22338.3	8049.3	-83,466.00	45,856,601.60
CITY OF PASADENA	6126.4	0.0	0.0	0.0	54.0	8250.0	-54.0	0.0	-15,995.00	4,429,919.60
THREE VALLEYS MWD	40185.3	66.6	0.0	0.0	0.0	2404.2	0.0	192.7	-49,980.00	15,247,061.80
CITY OF SANTA ANA	5737.4	0.0	0.0	0.0	0.0	9326.4	0.0	47.8	0.00	4,591,929.30
SAN DIEGO CWA	234758.2	0.0	0.0	0.0	26251.8	0.0	0.0	1656.1	-3,289,189.41	85,862,478.19
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	2968.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,142,795.50
CITY OF SAN MARINO	1165.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	448,756.00
CITY OF TORRANCE	13624.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	5,244,584.80
SAN GABRIEL VALLEY	5121.7	0.0	0.0	0.0	0.0	0.0	4082.0	0.0	0.00	2,820,910.50
WEST BASIN MWD	83251.3	0.0	0.0	17687.8	0.0	19159.4	0.0	0.0	-267,591.00	43,476,701.10
WESTERN MWD	9859.9	14367.8	0.0	0.0	0.0	2612.2	0.0	0.0	-721,043.72	8,372,967.98
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,000.00	2,000.00
TOTALS :	892477.2	16460.1	0.0	20700.9	29074.0	236865.6	33409.5	14575.7	-5,017,003.31	

GRAND TOTAL SALES: 1,247,563.0 ACRE FEET

TOTAL NET INVOICE \$ 405,125,208.09

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.

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

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AGENCY	---BASIC---TREATED(NOTE)-----					---BASIC---UNTREATED(NOTE)-----					RECLAIMED	TOTAL AF AMOUNT
	SERVICE	AGRIC	SEASONAL	GWR	AF AMOUNT	SERVICE	AGRIC	SEASONAL	GWR	AF AMOUNT		
CITY OF ANAHEIM	93.0	0.0	0.0	0.0	93.0	232.6	0.0	0.0	0.0	232.6	0.0	325.6
CITY OF BURBANK	1176.5	0.0	0.0	0.0	1176.5	0.0	0.0	0.0	0.0	0.0	0.0	1176.5
BEVERLY HILLS	782.8	0.0	0.0	0.0	782.8	0.0	0.0	0.0	0.0	0.0	0.0	782.8
CITY OF COMPTON	213.5	0.0	189.4	0.0	402.9	0.0	0.0	0.0	0.0	0.0	0.0	402.9
CALLEGUAS MWD	3482.9	169.5	11.4	0.0	3663.8	0.0	0.0	0.0	0.0	0.0	0.0	3663.8
CHINO BASIN MWD	0.0	0.0	0.0	0.0	0.0	3583.5	0.0	726.4	0.0	4309.9	0.0	4309.9
CENTRAL BASIN MWD	3012.2	0.0	3350.7	256.0	6618.9	0.0	0.0	3.1	0.0	3.1	127.2	6749.2
COASTAL MWD	2566.8	0.0	0.0	0.0	2566.8	0.0	0.0	0.0	0.0	0.0	16.6	2583.4
EASTERN MWD	2253.3	0.0	0.0	0.0	2253.3	-347.6	0.0	0.0	0.0	-347.6	0.0	1905.7
CITY OF FULLERTON	140.6	1.1	0.0	0.0	141.7	0.0	0.0	0.0	0.0	0.0	0.0	141.7
FOOTHILL MWD	191.8	0.0	347.3	0.0	539.1	0.0	0.0	0.0	0.0	0.0	110.7	649.8
CITY OF GLENDALE	1603.3	0.0	0.0	0.0	1603.3	0.0	0.0	0.0	0.0	0.0	0.0	1603.3
CITY OF LOS ANGELES	13695.3	0.0	6401.1	0.0	20096.4	-6270.5	0.0	10620.4	0.0	2349.9	0.0	22446.3
CITY OF LONG BEACH	2342.9	0.0	1122.0	0.0	3464.9	0.0	0.0	0.0	0.0	0.0	14.0	3480.9
LAS VIRGENES MWD	1189.5	0.0	0.0	0.0	1189.5	0.0	0.0	0.0	0.0	0.0	75.4	1264.9
ORANGE COUNTY MWD	5933.6	24.9	4533.1	0.0	10491.6	278.0	89.0	0.0	0.0	367.9	505.5	11365.0
CITY OF PASADENA	1369.7	0.0	0.0	0.0	1369.7	0.0	0.0	0.0	0.0	0.0	0.0	1369.7
THREE VALLEYS MWD	1879.8	0.0	0.0	0.0	1879.8	1438.7	0.0	0.0	0.0	1438.7	0.0	3318.5
CITY OF SANTA ANA	730.3	0.0	732.4	0.0	1462.7	0.0	0.0	0.0	0.0	0.0	0.0	1462.7
SAN DIEGO CMA	1940.3	0.0	4842.9	0.0	6783.2	2563.9	0.0	7432.6	0.0	9996.5	34.8	16814.5
CITY OF SAN FERNANDO	3.7	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7
CITY OF SANTA MONICA	214.7	0.0	0.0	0.0	214.7	0.0	0.0	0.0	0.0	0.0	0.0	214.7
CITY OF SAN MARINO	72.8	0.0	0.0	0.0	72.8	0.0	0.0	0.0	0.0	0.0	0.0	72.8
CITY OF TORRANCE	1210.4	0.0	0.0	0.0	1210.4	0.0	0.0	0.0	0.0	0.0	0.0	1210.4
SAN GABRIEL VALLEY	477.6	0.0	0.0	0.0	477.6	0.0	0.0	0.0	0.0	0.0	0.0	477.6
WEST BASIN MWD	7503.4	0.0	2234.2	1769.6	11507.6	0.0	0.0	0.0	0.0	0.0	0.0	11507.6
WESTERN MWD	-235.9	763.6	0.0	0.0	527.7	-62.5	676.4	0.0	0.0	633.9	0.0	1161.6
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
<b>TOTAL:</b>	<b>33045.2</b>	<b>959.1</b>	<b>23764.5</b>	<b>2025.6</b>	<b>80594.4</b>	<b>-563.9</b>	<b>766.3</b>	<b>18782.5</b>	<b>0.0</b>	<b>18984.9</b>	<b>886.2</b>	<b>100465.5</b>

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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 February 1994  
 TABLE B YEAR TO DATE

P. 3/6

AGENCY	BASIC SERVICE	AGRIC	SPREADING	INJECTION (NOTE 1)	SEASONAL STORAGE (NOTE 2) RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	AGENCY TOTAL (A.F.)
CITY OF ANAHEIM	6621.0	117.6	0.0	0.0	0.0	5318.1	0.0	0.0	12,056.7
CITY OF BURBANK	13116.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13,116.5
BEVERLY HILLS	8670.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,670.3
CITY OF COMPTON	2676.7	0.0	0.0	0.0	0.0	516.2	0.0	0.0	3,494.9
CALLEGUAS MWD	55855.7	2476.9	0.0	0.0	1981.0	11.4	52.8	0.0	60,377.8
CHINO BASIN MWD	18061.9	0.0	0.0	0.0	0.0	19944.1	2136.9	0.0	40,142.9
CENTRAL BASIN MWD	35046.9	0.0	0.0	3013.1	0.0	27355.6	4853.5	1222.6	71,491.7
COASTAL MWD	44733.8	0.0	0.0	0.0	0.0	0.0	0.0	302.3	45,036.1
EASTERN MWD	37515.8	0.0	0.0	0.0	0.0	0.0	0.0	844.6	38,360.4
CITY OF FULLERTON	1922.6	20.6	0.0	0.0	0.0	3432.4	0.0	0.0	5,375.6
FOOTHILL MWD	4708.6	0.0	0.0	0.0	0.0	1299.2	0.0	413.8	6,421.6
CITY OF GLENDALE	18146.2	0.0	0.0	0.0	0.0	0.0	0.0	242.2	18,390.4
CITY OF LOS ANGELES	110504.9	0.0	0.0	0.0	760.0	90989.2	0.0	547.3	210,801.4
CITY OF LONG BEACH	24526.4	0.0	0.0	0.0	0.0	17504.8	0.0	673.6	42,704.8
LAS VIRGENES MWD	11860.1	0.0	0.0	0.0	27.2	0.0	0.0	383.4	12,270.7
ORANGE COUNTY MWD	95591.2	1410.6	0.0	0.0	0.0	22700.4	22338.3	8049.3	149,149.8
CITY OF PASADENA	6126.4	0.0	0.0	0.0	54.0	8250.0	-54.0	0.0	14,376.4
THREE VALLEYS MWD	40185.3	66.6	0.0	0.0	0.0	2404.2	0.0	192.7	42,848.8
CITY OF SANTA ANA	5737.4	0.0	0.0	0.0	0.0	9526.4	0.0	47.8	15,111.6
SAN DIEGO CWA	234758.2	0.0	0.0	0.0	26251.8	0.0	0.0	1656.1	262,666.1
CITY OF SAN FERNANDO	118.5	0.0	0.0	0.0	0.0	600.0	0.0	0.0	798.5
CITY OF SANTA MONICA	2968.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,968.3
CITY OF SAN MARINO	1165.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,165.6
CITY OF TORRANCE	13626.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13,626.0
SAN GABRIEL VALLEY	5121.7	0.0	0.0	0.0	0.0	0.0	4082.0	0.0	9,203.7
WEST BASIN MWD	83251.3	0.0	0.0	17687.8	0.0	19159.4	0.0	0.0	120,098.5
WESTERN MWD	9859.9	14367.8	0.0	0.0	0.0	2612.2	0.0	0.0	26,839.9
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>TOTALS :</b>	<b>892477.2</b>	<b>18460.1</b>	<b>0.0</b>	<b>20700.9</b>	<b>29074.0</b>	<b>230665.6</b>	<b>33409.5</b>	<b>14575.7</b>	

GRAND TOTAL SALES (A.F.) 1,247,563.0

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.

MPR 04 '94 09:18AM CO.

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NETROPOLITAN WATER DISTRICT OF SO. CAL.  
 WATER SALES IN DOLLARS FOR THE MONTH OF FEBRUARY 1994  
 TABLE C

P.2/6

AGENCY	---BASIC---TREATED------(NOTE 1)-				DOLLAR AMOUNT	---BASIC---UNTREATED------(NOTE 1)-				DOLLAR AMOUNT RECLAIMED	(NOTE 2) SPECIAL	TOT DOLLAR (\$)	
	SERVICE	AGRIC	SEASONAL	GWR		SERVICE	AGRIC	SEASONAL	GWR				
CITY OF ANAHEIM	35805	0	0	0	35805	73966	0	0	0	73966	0	0	109771
CITY OF BURBANK	452952	0	0	0	452952	0	0	0	0	0	0	0	452952
BEVERLY HILLS	301378	0	0	0	301378	0	0	0	0	0	0	0	301378
CITY OF COMPTON	82197	0	47918	0	130115	0	0	0	0	0	0	0	130115
CALLEGUAS MWD	1340916	65257	2884	0	1409058	0	0	0	0	0	0	0	1409058
CHINO BASIN MWD	0	0	0	0	0	1139553	0	151091	0	1290644	0	0	1290644
CENTRAL BASIN MWD	1159697	0	647727	98560	2105984	0	0	644	0	644	-19588	0	2087040
COASTAL MWD	988218	0	0	0	988218	0	0	0	0	0	-2556	0	985661
EASTERN MWD	867520	0	0	0	867520	-110536	0	0	0	-110536	0	0	756983
CITY OF FULLERTON	54131	423	0	0	54554	0	0	0	0	0	0	0	54554
FOOTHILL MWD	73843	0	87866	0	161749	0	0	0	0	0	-17047	0	144662
CITY OF GLENDALE	617270	0	0	0	617270	0	0	0	0	0	0	-66256	551014
CITY OF LOS ANGELES	5272690	0	1619478	0	6892168	-2630019	0	2209043	0	-420975	0	0	6471193
CITY OF LONG BEACH	992016	0	283866	0	1185882	0	0	0	0	0	-2464	0	1183418
LAS VIRGENES MWD	457957	0	0	0	457957	0	0	0	0	0	-11611	0	446345
ORANGE COUNTY MWD	2284436	9586	1146874	0	3440896	86404	28588	0	0	116992	-77847	0	3480042
CITY OF PASADENA	527334	0	0	0	527334	0	0	0	0	0	0	-15995	511339
THREE VALLEYS MWD	723723	0	0	0	723723	457506	0	0	0	457506	0	-19980	1161249
CITY OF SANTA ANA	281165	0	185297	0	466462	0	0	0	0	0	0	0	466462
SAN DIEGO CWA	747015	0	1235253	0	1972269	815320	0	1545930	0	2361301	-5359	0	4328211
CITY OF SAN FERNANDO	1424	0	0	0	1424	0	0	0	0	0	0	0	1424
CITY OF SANTA MONICA	82659	0	0	0	82659	0	0	0	0	0	0	0	82659
CITY OF SAN MARINO	28028	0	0	0	28028	0	0	0	0	0	0	0	28028
CITY OF TORRANCE	466004	0	0	0	466004	0	0	0	0	0	0	0	466004
SAN GABRIEL VALLEY	183876	0	0	0	183876	0	0	0	0	0	0	0	183876
WEST BASIN MWD	2883963	0	565252	681296	4135511	0	0	0	0	0	0	-26500	4109011
WESTERN MWD	-79821	293985	0	0	203164	-13515	215095	0	0	201580	0	-121961	282785
SPC CONT	0	0	0	0	0	0	0	0	0	0	0	250	250
<b>TOTAL:</b>	<b>20730402</b>	<b>369253</b>	<b>6012418</b>	<b>779856</b>	<b>927891930</b>	<b>-179320</b>	<b>243803</b>	<b>3906760</b>	<b>0</b>	<b>93971123</b>	<b>-136474</b>	<b>-250442</b>	<b>931476136</b>

MHR 04 794 09:18AM CO.

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--JANUARY 1994**

CONSTITUENTS	SYMBOLS AND UNITS	SOURCE WATERS							FILTRATION PLANT EFFLUENTS					
		LAKE HAVASU NEAR WHITSETT INTAKE	SAN JACINTO TUNNEL WEST PORTAL	LAKE MATH- EWES	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		1/3/94	1/3/94	1/3/94	JAN 94	1/3/94	1/3/94	JAN 94	JAN 94	JAN 94	JAN 94	JAN 94	JAN 94	JAN 94
SILICA	SiO <sub>2</sub> mg/L	8.6	8.8	9.3	15.9	15.0	4.4	8.8	10.3	10.2	15.7	8.9	9.0	15.4
CALCIUM	Ca mg/L	81	80	79	40	19	27	82	80	79	40	81	81	19
MAGNESIUM	Mg mg/L	32	31.5	32	17	10	18.5	31	31.5	30.5	17	31	31	10.5
SODIUM	Na mg/L	106	106	106	59	36	86	108	106	104	62	108	108	40
POTASSIUM	K mg/L	4.9	4.9	4.9	3.1	2.3	4.6	4.9	4.8	4.8	3.1	4.8	4.8	2.3
CARBONATE	CO <sub>3</sub> mg/L	0	0	0	0	0	0	2	0	0	0	0	0	1
BICARBONATE	HCO <sub>3</sub> mg/L	161	161	162	118	84	131	156	154	155	121	160	156	82
SULFATE	SO <sub>4</sub> mg/L	293	290	291	110	31	55	295	288	287	111	290	288	32
CHLORIDE	Cl mg/L	96	95	96	66	47	125	97	98	98	68	96	95	54
NITRATE	NO <sub>3</sub> mg/L	1.25	1.05	0.85	1.85	2.45	0.35	0.65	0.8	0.8	1.85	0.65	0.65	2.55
FLUORIDE	F mg/L	0.30	0.31	0.37	0.28	0.10	0.15	0.31	0.26	0.25	0.25	0.26	0.24	0.10
BORON	B mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL DISSOLVED SOLIDS	TDS mg/L	704	698	701	372	205	386	708	697	692	397	701	696	218
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	334	329	329	170	89	144	332	329	323	170	330	330	91
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	132	132	133	97	69	107	132	126	127	99	131	128	69
FREE CARBON DIOXIDE	CO <sub>2</sub> mg/L	1.5	1.3	1.4	2.4	2.5	1.2	1.0	2.2	2.2	1.5	2.6	2.7	0.5
H <sup>+</sup> CONCENTRATION	pH	8.24	8.32	8.30	7.92	7.74	8.26	8.41	8.06	8.06	8.14	8.01	7.89	8.48
SPECIFIC CONDUCTANCE	μmho/cm	1095	1098	1092	627	364	719	1114	1115	1095	639	1104	1114	391
COLOR	CU	--	--	--	--	--	--	--	3	3	3	3	3	4
FILTER EFFLUENT TURBIDITY	NTU	--	--	--	--	--	--	--	0.09	0.08	0.08	0.09	--	0.09
TURBIDITY	NTU	0.87	0.43	0.84	3.1	0.72	0.28	2.1	0.08	0.08	0.10	0.09	0.07	0.09
TEMPERATURE	°C	11	11	12	13	10	12	12	13	13	13	12	13	11
BROMIDE	Br mg/L	0.10	0.10	0.10	0.21	0.14	0.39	0.10	--	--	--	--	--	--
TOTAL TRIHALOMETHANES	TTHMs μg/L	--	--	--	--	--	--	--	32	28	57	26	28	48
PCT. STATE PROJECT WATER	% SPW %	0	0	0	100	100	100	0	1	2	100	0	0	100

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TABLE E. GENERAL MANAGER'S MONTHLY REPORT

Feb 1994

## Storage in Colorado River Basin Reservoirs at End of Month

Reservoir	(1,000 acre-feet)				
	Usable Contents Above Lowest Outlet	Percent of Usable Capacity	Usable Contents Above Min. Power Head	Change * in Contents During Month	Change * in Contents Since Feb 1993
<i>Upper Basin</i>					
Fontenelle	126	37	0	(39)	2
Flaming Gorge	3,247	87	3,014	(30)	252
Blue Mesa	562	68	481	1	1
Morrow Point	112	96	37	(1)	0
Crystal	14	80	3	0	0
Navajo	1,531	90	---	(7)	11
Powell	17,852	73	13,855	(270)	4,858
Subtotal	23,444	75	17,390	(346)	5,124
<i>Lower Basin</i>					
Mead	21,632	83	11,608	122	117
Mohave	1,643	91	1,426	14	(66)
Havasu	538	87	99	(16)	(61)
Subtotal	23,813	83	13,133	120	(10)
Basin Total	47,257	79	30,523	(226)	5,114

\* Numbers within ( ) are negative numbers.

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

	ACTUAL THRU FEB. 1994	BUDGET THRU FEB. 1994	VARIANCE DOLLARS + / (-)	PROJECTED YEAR END	ANNUAL BUDGET	VARIANCE DOLLARS + / (-)
<u>RECEIPTS</u>						
WATER SALES	\$434.6	\$431.3	\$3.3	\$593.8	\$588.2	\$5.6
POWER RECOVERIES	10.2	12.4	(2.2)	16.8	19.0	(2.2)
TAXES	52.2	56.0	(3.8)	85.1	90.0	(4.9)
INTEREST	16.3	16.0	0.3	20.3	20.0	0.3
WATER STANDBY CHARGES	28.3	27.0	1.3	50.0	50.0	0.0
OTHER RECEIPTS	0.3	0.5	(0.2)	0.6	0.8	(0.2)
<b>TOTAL RECEIPTS</b>	<u>541.9</u>	<u>543.2</u>	<u>(1.3)</u>	<u>766.6</u>	<u>768.0</u>	<u>(1.4)</u>
<u>EXPENDITURES</u>						
STATE WATER CONTRACT	167.0	241.9	74.9	245.1	312.9	67.8
WATER TRANSFERS/OPTIONS	0.5	5.0	4.5	1.1	12.0	10.9
COLORADO RIV. SUPPLIES	41.1	70.4	29.3	54.1	87.7	33.6
MWD CAPITAL PROGRAM	79.5	95.9	16.4	173.1	172.1	(1.0)
MWD O&M	143.1	147.1	4.0	219.8	219.8	0.0
<b>TOTAL EXPENDITURES</b>	<u>431.2</u>	<u>560.3</u>	<u>129.1</u>	<u>693.2</u>	<u>804.5</u>	<u>111.3</u>
<b>INCREASE (DECREASE) in CASH and INVESTMENTS</b>	<u>\$110.7</u>	<u>(\$17.1)</u>	<u>\$127.8</u>	<u>\$73.4</u>	<u>(\$36.5)</u>	<u>\$109.9</u>

Minor differences are due to rounding.

ACRE-FEET SALES IN THOUSANDS

	ACTUAL	BUDGETED	DIFFERENCE
CUMULATIVE MAY TO DECEMBER	1,338.0	1,323.5	14.5
JANUARY DELIVERIES	144.1	123.8	20.3
FEBRUARY DELIVERIES	100.5	102.2	(1.7)

40703

The Metropolitan Water District of Southern California

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

February 1994

SUMMARY OF PROGRESS

	<u>Construction Contracts</u>	<u>Procurement Contracts</u>
<b>Number of Contracts</b>	9	3
<b>Total Bid Amount of Contracts in Progress</b>	\$ 185,574,759	\$ 10,189,978
<b>Number of Contracts Awarded this Month</b>	0	0
<b>Total Bid Amount of Contracts Awarded this Month</b>	0	0
<b>Contract Gross Earnings this Month</b>	2,928,399	0

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

There was one construction contract completed during the month of February 1994. Contract No. 1408, covering the construction of the Etiwanda Power Plant, was completed by the prime contractor, Advanco Constructors, and accepted by District personnel on February 9, 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 14 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 February 1994.

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

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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	1,372,492	91,626,621	9/05/91	10/11/94	12/94	87	77
1418	1238 A	Henry J. Mills Filtration Plant Expansion No. 2	M. A. Mortenson Company	69,943,000	696,092	3,633,465	10/07/93	08/19/96	08/96	5	13
1414	1247	San Diego Canal Relocation	Kasler Corporation	9,872,635	500,461	9,440,668	03/22/93	02/22/94	03/94	95	100
1416	1262	Lake Skinner Outlet Tower and Bypass Lines Chlorination Project	Pro Contracting Corp.	1,062,200	60,424	826,109	10/06/93	06/08/94	06/94	78	58
1415	1258	Cathodic Protection System for East Orange County Feeder No. 2	Harco Technologies Corporation	375,925	6,835	381,012	06/02/93	01/13/94	03/94	99	100
1417	1221 A	Seismic Modifications La Verne Maintenance Shop Building	Ed Layton Construction Company, Inc.	240,834	127,117	216,516	10/22/93	03/31/94	03/94	90	76
1420	1267	Electrolysis Monitoring Stations at Metro Blue Lines Crossings	American Construction and Supply	41,814	0	0	01/05/94	05/10/94	05/94	0	27
1421	1264	Field Office at Domenigoni Valley Reservoir Site	Inland Asphalt and Coating and Space Leasing Co., Inc., a Joint Venture	1,232,351	117,313	338,700	01/06/94	07/25/94	07/94	27	16

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
1408	1230	Etiwanda Power Plant	Avanco Constructors	\$3,820,000	4,100,000	02-09-94	02-17-94	03-24-94

**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	—	1,211,871	3/12/92	—	
1403	1240	Nine Hydrofoil Flocculators for Jensen Expansion No. 1	Chemineer, Inc.	230,023	—	230,023	6/02/92	1/27/93	

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The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Etiwanda Power Plant		
<b>CONTRACTOR</b>	Advanco Constructors		
<b>SPECIFICATIONS NO.</b>	1230	<b>BID</b>	\$ 3,820,000
<b>CONTRACT NO.</b>	1408	<b>EXTRA WORK TO DATE</b>	200,865
<b>CONTRACT STARTING DATE</b>	August 31, 1992	<b>EARNINGS THIS MONTH</b>	47,665
<b>CONTRACT COMPLETION DATE</b>	January 20, 1994	<b>EARNINGS TO DATE</b>	3,998,915
<b>ACTUAL COMPLETION DATE</b>	February 9, 1994	<b>ESTIMATED PERCENT COMPLETE</b>	100
		<b>PERCENT CONTRACT TIME ELAPSED</b>	100

**SCOPE OF WORK**

Construction of a power plant with a 25,200 KVA A.C. generator, maintenance building, a switchyard, and all appurtenant work located near the intersection of Arrow Highway and Etiwanda Avenue in the City of Rancho Cucamonga, California, San Bernardino County.

**CONSTRUCTION PROGRESS**

All work required under the contract was completed by the prime contractor, Advanco Constructors, and accepted by the District on February 9, 1994.

The Notice of Completion was recorded by the San Bernardino County Recorder on February 17, 1994.

## MONTHLY CONSTRUCTION PROGRESS REPORT

February 1994

<b>CONSTRUCTION OF</b>	Joseph Jensen Filtration Plant--Expansion No. 1		
<b>CONTRACTOR</b>	Hyman/JWP West, A Joint Venture		
<b>SPECIFICATIONS NO.</b>	1200	<b>BID</b>	\$ 101,986,000
<b>CONTRACT NO.</b>	1393	<b>EXTRA WORK TO DATE</b>	501,358
<b>CONTRACT STARTING DATE</b>	September 5, 1991	<b>EARNINGS THIS MONTH</b>	1,372,492
<b>CONTRACT COMPLETION DATE</b>	October 11, 1994	<b>EARNINGS TO DATE</b>	91,626,621
<b>ESTIMATED COMPLETION DATE</b>	December 1994	<b>ESTIMATED PERCENT COMPLETE</b>	87
		<b>PERCENT CONTRACT TIME ELAPSED</b>	77

### 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

Assessment of earthquake damage was in progress throughout the month. The contractor has been directed to proceed with repair work required on the traveling bridges and adjustment of the flocculators in Module No. 2. Repair of damaged concrete within Module No. 3 was also in progress during the month.

Construction of forms, installation of reinforcing steel, and placement of concrete were in progress throughout the month in various portions of Filter Module No. 3, the Dry Polymer Building and the concrete pipeway. Concrete repairs continued in the Washwater Reclamation Plant No. 2, Filter Modules Nos. 2 and 3, and the concrete pipeway.

Installation of conduit, pull boxes, embedded conduit, and ground wire continued in various portions of the washwater reclamation facilities, and module No. 3. Wire terminations to various equipment and the motor control centers was also in progress. Installation of site electrical duct banks continued at Finished Water Reservoir No. 2.

Painting of miscellaneous metals, piping, and mechanical equipment continued in modules Nos. 2 and 3. Coating of washwater tank No. 2 was also in progress during the month.

Contractor personnel, including employees of subcontractors, averaged 57 persons during the month of February, 1994.

# MONTHLY CONSTRUCTION PROGRESS REPORT

February 1994

<b>CONSTRUCTION OF</b>	Henry J. Mills Filtration Plant Expansion No. 2		
<b>CONTRACTOR</b>	M. A. Mortenson Company		
<b>SPECIFICATIONS NO.</b>	1238A	<b>BID</b>	\$ 69,943,000
<b>CONTRACT NO.</b>	1418	<b>EXTRA WORK TO DATE</b>	0
<b>CONTRACT STARTING DATE</b>	October 7, 1993	<b>EARNINGS THIS MONTH</b>	696,092
<b>CONTRACT COMPLETION DATE</b>	August 19, 1996	<b>EARNINGS TO DATE</b>	3,633,465
<b>ESTIMATED COMPLETION DATE</b>	August 1996	<b>ESTIMATED PERCENT COMPLETE</b>	5
		<b>PERCENT CONTRACT TIME ELAPSED</b>	13

## 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

Construction of forms, installation of reinforcing steel and embeds items as required, and placement of concrete were in progress throughout the month for various portions of the used washwater storage channel in Filter Module No. 4, Filter Module No. 3 walls and slabs, and other miscellaneous structures.

Dewatering of the equalization basin and excavation within the filter modules, the inlet structure, and the influent conduit were in progress throughout the month, as required.

Installation of the subdrain system within filter module No. 4 was also in progress throughout the month.

Contractor personnel, including employees of subcontractors, averaged 42 persons during the month of February 1994.

The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Construction of the San Diego Canal Relocation		
<b>CONTRACTOR</b>	Kasler Corporation		
<b>SPECIFICATIONS NO.</b>	1247	<b>BID</b>	\$ 9,872,685
<b>CONTRACT NO.</b>	1414	<b>EXTRA WORK TO DATE</b>	22,796
<b>CONTRACT STARTING DATE</b>	March 22, 1993	<b>EARNINGS THIS MONTH</b>	500,461
<b>CONTRACT COMPLETION DATE</b>	February 22, 1994	<b>EARNINGS TO DATE</b>	9,440,668
<b>ESTIMATED COMPLETION DATE</b>	March 1994	<b>ESTIMATED PERCENT COMPLETE</b>	95
		<b>PERCENT CONTRACT TIME ELAPSED</b>	100

**SCOPE OF WORK**

Relocation of approximately 1.4 miles of existing San Diego Canal and construction of two siphons, a radial gate structure, and a turn-out structure and appurtenant work located at Newport Road, 2 miles east of Highway 79, Hemet, Riverside County, California.

**CONSTRUCTION PROGRESS**

The required ten-day tie-in Shutdown No. 1 was successfully completed on February 25, 1994. Work performed during this scheduled shutdown included demolition of the existing canal lining, overexcavation and placement of canal embankment, placement of canal lining, and installation of fencing all within the tie-in area.

Final grading of exterior canal slopes, patrol roads, and the overall jobsite, as required, was continued throughout the month. Construction of drainage channels located east of the canal relocations was completed during the month.

Installation of underground electrical ductbanks, wire, and light posts and foundations continued throughout the month. Installation of electrical equipment was essentially completed in the electrical control building. Installation of instrumentation was also in progress in the stilling wells.

Painting and coating operations were continued throughout the jobsite as required. Installation of fencing was also continued throughout the relocation site as required.

Contractor personnel, including employees of subcontractors, averaged 48 persons during the month of February 1994.

The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Lake Skinner Outlet Tower and Bypass Lines Chlorination Project		
<b>CONTRACTOR</b>	Pro Contracting Corporation		
<b>SPECIFICATIONS NO.</b>	1262	<b>BID</b>	\$ 1,062,200
<b>CONTRACT NO.</b>	1416	<b>EXTRA WORK TO DATE</b>	0
<b>CONTRACT STARTING DATE</b>	October 6, 1993	<b>EARNINGS THIS MONTH</b>	60,424
<b>CONTRACT COMPLETION DATE</b>	June 8, 1994	<b>EARNINGS TO DATE</b>	826,109
<b>ESTIMATED COMPLETION DATE</b>	June 1994	<b>ESTIMATED PERCENT COMPLETE</b>	78
		<b>PERCENT CONTRACT TIME ELAPSED</b>	58

**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**

Installation and testing of the double-wall containment piping were in progress throughout the month and have been completed from the ejector building to the existing outlet structure. Installation of the 8-inch diameter PVC pipe was also in progress.

Electrical installations were in progress at all three ejector buildings throughout the month. The electrical portion of the work required under the contract is approximately 40 percent complete.

Contractor personnel, including employee of subcontractors, averaged four persons during the month of February 1994.

The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Cathodic Protection System for East Orange County Feeder No. 2		
<b>CONTRACTOR</b>	Harco Technologies Corporation		
<b>SPECIFICATIONS NO.</b>	1258	<b>BID</b>	\$ 375,925
<b>CONTRACT NO.</b>	1415	<b>EXTRA WORK TO DATE</b>	5,087
<b>CONTRACT STARTING DATE</b>	July 2, 1993	<b>EARNINGS THIS MONTH</b>	6,835
<b>CONTRACT COMPLETION DATE</b>	January 19, 1994	<b>EARNINGS TO DATE</b>	381,012
<b>ESTIMATED COMPLETION DATE</b>	March, 1994	<b>ESTIMATED PERCENT COMPLETE</b>	99
		<b>PERCENT CONTRACT TIME ELAPSED</b>	100

**SCOPE OF WORK**

Installation of 11 deep well anode assemblies, including rectifiers and other appurtenances, along the East Orange County Feeder No. 2, located at various sites within the cities of Yorba Linda, Placentia, Anaheim, Tustin, Orange, Santa Ana, and Irvine--all in Orange County, California.

**CONSTRUCTION PROGRESS**

All work required under the contract was essentially completed during the month with the exceptions of final inspections and acceptance of the project by District forces which is expected to be completed during early March 1994.

Contractor personnel, including employees of subcontractors, averaged two persons during the month of February 1994.

The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Seismic Upgrading the La Verne Maintenance Shop Building		
<b>CONTRACTOR</b>	Ed Layton Construction Company, Inc.		
<b>SPECIFICATIONS NO.</b>	1221A	<b>BID</b>	\$ 240,834
<b>CONTRACT NO.</b>	1417	<b>EXTRA WORK TO DATE</b>	0
<b>CONTRACT STARTING DATE</b>	October 22, 1993	<b>EARNINGS THIS MONTH</b>	127,117
<b>CONTRACT COMPLETION DATE</b>	March 31, 1994	<b>EARNINGS TO DATE</b>	216,516
<b>ESTIMATED COMPLETION DATE</b>	March 1994	<b>ESTIMATED PERCENT COMPLETE</b>	90
		<b>PERCENT CONTRACT TIME ELAPSED</b>	76

**SCOPE OF WORK**

Add braces in the structural framing of the roof, add shear connections to walls and slabs, strengthen steel frames and pilasters and other support members for the seismic upgrading of the existing Maintenance Shop Building at the Weymouth filtration Plant, 700 North Moreno Avenue, La Verne, California.

**CONSTRUCTION PROGRESS**

Embedment of required seismic restraining dowels in the walls and slabs of the existing maintenance shop building was completed during the month.

Core drilling of walls to accommodate the erection and installation of structural steel was also completed during the month. Installation of the required structural steel is now in progress.

Protective coating and painting of the installed structural steel were started during the month.

Contractor personnel, including employees subcontractors, averaged ten persons during the month of February 1994.

The Metropolitan Water District of Southern California

**MONTHLY CONSTRUCTION PROGRESS REPORT**

February 1994

<b>CONSTRUCTION OF</b>	Electrolysis Monitoring Stations at Metro Blue Line Crossings		
<b>CONTRACTOR</b>	American Construction and Supply, Inc.		
<b>SPECIFICATIONS NO.</b>	1267	<b>BID</b>	\$ 41,814
<b>CONTRACT NO.</b>	1420	<b>EXTRA WORK TO DATE</b>	0
<b>CONTRACT STARTING DATE</b>	January 5, 1994	<b>EARNINGS THIS MONTH</b>	0
<b>CONTRACT COMPLETION DATE</b>	May 10, 1994	<b>EARNINGS TO DATE</b>	0
<b>ESTIMATED COMPLETION DATE</b>	May 1994	<b>ESTIMATED PERCENT COMPLETE</b>	0
		<b>PERCENT CONTRACT TIME ELAPSED</b>	27

**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**

No field work has been started to date by the prime contractor, American Construction and Supply, Inc.

The contractor has submitted certain required catalog sheets, engineering data, and a construction schedule for District review and approval.

# MONTHLY CONSTRUCTION PROGRESS REPORT

February 1994

<b>CONSTRUCTION OF</b>	Field Office at Domenigoni Valley Reservoir Site		
<b>CONTRACTOR</b>	Inland Asphalt and Coating, and Leasing Co., Inc., a Joint Venture		
<b>SPECIFICATIONS NO.</b>	1264	<b>BID</b>	\$1,232,351
<b>CONTRACT NO.</b>	1421	<b>EXTRA WORK TO DATE</b>	0
<b>CONTRACT STARTING DATE</b>	January 6, 1994	<b>EARNINGS THIS MONTH</b>	117,313
<b>CONTRACT COMPLETION DATE</b>	July 25, 1994	<b>EARNINGS TO DATE</b>	338,700
<b>ESTIMATED COMPLETION DATE</b>	July 1994	<b>ESTIMATED PERCENT COMPLETE</b>	27
		<b>PERCENT CONTRACT TIME ELAPSED</b>	16

## 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

Required mass earthwork operations were essentially completed during the month. Finish grading operations are now in progress.

Placement of the first of two required courses of asphalt concrete paving is now in progress.

The electrical subcontractor has moved onto the jobsite and installation of underground electrical and telephone ductbanks is now in progress.

The contractor continued to submit required shop drawings, engineering design data, and catalog and specification data sheets and materials for District review and approval.

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

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