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June 25, 1993

To: Board of Directors

From: General Manager

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Subject: Operating Data for May 1993

The following tables contain May 1993 data on Metropolitan's water and power sales and purchases, treatment plant operations, reservoir storage, financial status, construction, and employment; and Los Angeles Civic Center rainfall and temperature readings.

WATER SALES	May 1993 AF	April 1993 AF	May <u>1992</u> AF	Total Fiscal <u>Year to Date</u> AF
TOTAL WATER SALES	165,693	153,328	151,531	1,742,016
REVENUE	43,921,938	42,179,192	32,222,194	482,683,565
BASIC SERVICE	136,010	113,680	135,353	1,374,842
AGRICULTURAL	1,646	435	276	30,681
SPREADING	0	0	1,779	92
BARRIER INJECTION	2,769	2,709	2,808	30,021
<b>SEASONAL STORAGE</b> Spreading Reservoir Storage In-Lieu	3,040 1,997 18,738	18,446 2,577 14,876	1,289 8,619 262	147,496 47,655 95,018
RECLAIMED	1,493	605	1,135	16,211
TREATED UNTREATED	117,845 46,356	107,803 44,919	99,259 51,137	1,126,532 599,273

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

#### METROPOLITAN'S STATE WATER PROJECT (SWP) CHARGES AND PAYMENTS--FISCAL YEAR 1992/93

The following table shows a comparison of totals from July 1, 1992, through May 31, 1993:

<u>Components*</u>	SWP Statement of Charges to Date**	1992/93 Annual Budget to Date	Amount Paid to_Date**
Capital Minimum Power	\$ 130,040,775 71,095,036 150,800,379	\$ 129,270,880 94,857,000 103,351,000	\$ 130,040,775 73,023,225 53,929,488
Total	\$ 351,936,190	\$ 327,478,880	\$ 256,993,488

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- \* 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 May 1993:

Colorado River Energy	<u>kWh</u>
Hoover Power Plant	151,188,000
Parker Power Plant	22,872,000
Southern California Edison (SCE)	
Benefit Energy	16,668,282
SCE Exchange Energy	0
SCE Purchased Energy	16,145,000
California Department of Water	
Resources (DWR) Purchased Energy	2,970,000
Other Purchased Energy	9,597,000
Total Generated for Metropolitan	219,440,282
Colorado River Aqueduct (CRA)	
Power Available to DWR	0
CRA Power Available to SCE	0

### HYDROELECTRIC POWER RECOVERY PLANTS--FISCAL YEAR 1992/93 ENERGY AND REVENUE ACCOUNT

Max	r 1	9	9	3

	Energy Sales (kWh)			<u>Gross En</u>	ergy Revenue
PLANT	This Month	F.Y. to Date		This Month	F.Y. to Date
PHASE I					
Greg Avenue Lake Mathews Foothill Feeder San Dimas Yorba Linda	758,400 3,516,000 4,224,000 4,176,000 2,760,000	1,588,800 33,420,000 46,908,000 35,352,000 24,222,000	\$	34,143.17 158,290.32 190,164.48 188,003.52 124,255.20	1,482,175.26 2,073,504.24 1,552,156.65
PHASES II-IV					
Sepulveda Canyon Venice Temescal Corona Perris Rio Hondo Coyote Creek Red Mountain Valley View	5,448,000 3,735,000 1,788,000 1,755,000 1,138,000 1,494,000 0 0	22,644,000 11,871,000 18,588,000 18,498,000 1,863,000 10,582,000 16,122,000 15,276,000 7,280,000		201,285.62 138,644.33 66,797.89 65,437.20 0.00 42,512.79 55,985.71 0.00 0.00	1,065,186.11 544,829.38 823,856.92 822,605.75 168,798.98 475,848.03 704,009.24 736,568.21 362,037.40
Total	30,729,400	264,214,800	\$1	,265,520.23	\$11,955,899.67

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

Quality			Diemer	Jensen	<u>Weymouth</u>		Skinner <u>Plant 2</u>	Mills
Hardnessmg/l as CaCO <sub>3</sub>	May April May	1993 1993 1992	264* 296 253	178* 180 157	256* 294 252	302* 270 269	296* 268 271	116* 98 123
Total Dissolved Solidsmg/l	May April May	1993 1993 1992	571** 632 556	415** 419 403	559** 614 549	627** 568 578	618** 547 579	314** 272 356
* Dwoliminow	-							

\* Preliminary
\*\* Estimate

\*\*\* Not in Service

(See Table D for Analysis of Water Supplies.)

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WATER PROCESSED

		]	Diemer AF	<u>Jensen</u> AF	<u>Weymouth</u> AF	<u>Skinner</u> AF	<u>Mills</u> AF
<u>Individual Plant</u>	May 1993 April 19 May 1993	993	32,460 32,553 25,462	35,454 17,700 19,934	23,791 24,048 25,163	24,004 19,651 23,798	6,221 5,103 4,880
			Avg. <u>Rate</u> cfs	Ann. <u>Diff.</u> %	<u>Treate</u> AF	_	otal Fiscal ear to Date AF
<u>Total all Plants</u>	May 199 April 1 May 199	993	1,983 1,665 1,614	+23 +22 +11	121,930 99,055 99,230	5 1	,126,534 ,004,604 999,183
	Jsable Storage %	May <u>1993</u> AF		April <u>1993</u> AF	May <u>1992</u> AF	<u>. D</u>	Annual <u>ifference</u> AF
Distribution							
Lake Mathews Lake Skinner	95 92	172,20 40,33		161,250 37,184	171, 39,	117 795	1,085 539
<u>Colorado River B</u>	<u>asin</u>						
Upper Basin Lower Basin		2,508,00 3,849,00		330,000 069,000	20,710, 22,061,		1,798,000 1,788,000
(See Table E	for detail:	s.)					
<u>State Water Proj</u>	<u>ect</u>						
Oroville San Luis (State) Pyramid Castaic Silverwood Perris	99 3 88 96 87 96 93	3,486,33 939,48 160,56 266,27 68,15 119,09	1 1, 50 54 54	244,232 041,867 159,131 283,338 68,135 120,092	1,849, 828, 161, 293, 67, 115,	830 883 587 791	1,636,587 110,651 (1,323) (27,313) 363 3,830
<u>Central Valley P</u>	roject						
Clair Engle Shasta Folsom New Melones San Luis (federal)		L,828,58 4,355,11 95,30 684,40 728,60	.0 4, 00 00	388,580 147,610 86,400 581,500 899,069	1,138, 2,483, 670, 797, 742,	110 300 100	690,100 1,872,000 (575,000) (112,700) (14,250)

Board of Directors

#### FINANCE INVESTMENT PORTFOLIO (FACE VALUE AT MATURITY)

Securities		5-31-93 <u>Balance</u>	Percent
U.S. Treasury Obligations U.S. Guarantees - GNMA's Federal Agency Obligations Repurchase Agreements Bankers Acceptances Commercial Paper Negotiable Certificates of Deposit Local Agency Investment Fund California G.O. Bond (SWP)		<pre>\$ 394,283,000 6,660,000 219,495,000 183,730,000 77,900,000 211,427,000 33,821,000 15,000,000 35,000</pre>	34.5 .6 19.2 16.0 6.8 18.5 3.0 1.3
Cash and Equivalents: Demand Accounts Petty Cash and Draft Account Overnight Investments TOTAL	\$  665,000 77,000 <u>\$ (241,000)</u>	<u>\$    501,000</u> \$ 1,142,852,000	<u>.1</u> 100.0

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Yield Comparisons (Percent)

<u>u</u>	<u>comparisons (rereency</u>		
		4-30-92 5	5-31-93
		<u>(12-Month Movin</u>	<u>ng Average)</u>
	1-Year Treasury Bill	3.5	3.4
	1-Year Time Deposit	3.3	3.2
	6-Month Treasury Bill	3.3	3.2
	6-Month Time Deposit	3.1	3.0
	Portfolio Yield (Range)	3.7	3.6 (3.0% to 10.3%)

(See Tables F for financial summaries.)

#### CONSTRUCTION PROGRESS FOR MAY 1993

Construction Branch personnel continued field inspection duties, contract administration activities, and construction support work throughout the month in connection with 8 construction projects having a contract value in excess of \$138 million. Contract earnings under these contracts were approximately \$ 8,218,294 during the month. Status of these contracts at the end of the month follows:

	PERCENT COMPLETED	ESTIMATED <u>COMPLETION</u>
Modifications to Ventilation Hood System at Water Quality Laboratory	99	June 1993

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	PERCENT COMPLETED	ESTIMATED COMPLETION
Maintenance Building and Operations Building Annex at Mills Plant	70	October 1993
Site Preparations for Henry J. Mills Filtration Plant Expansion No. 2	72	October 1993
Etiwanda Power Plant	50	November 1993
Joseph Jensen Filtration Plant Expansion No. 1	57	December 1994
Construction of San Diego Canal Relocation	17	February 1994
Cathodic Protection System for East Orange County Feeder No. 2	0	Not established to date

There were no new construction contracts awarded by the Board of Directors or the General Manager during the month. There was one construction contract completed during the month. Construction of Service Connection LA-35 was completed by the prime contractor, Dillingham Construction, Inc., and accepted by Metropolitan on May 11, 1993.

(See attached Monthly Progress Report for details.)

#### MAY RAINFALL AT LOS ANGELES CIVIC CENTER (INCHES)

During the Month	0.02
Total for Season (Fiscal Year)	26.54
Normal for Season to Date	14.82
Difference from Normal	11.72
Percent of Normal	179

### MAY TEMPERATURES AT LOS ANGELES CIVIC CENTER (DEGREES F)

Average	Maximum	77.0
Average	Minimum	60.7
Average		68.85
30-Year	Normal	64.9

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EMPLOYMENT

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Regular Employees by Division/Department

	<u>May 1992</u>	<u>May 1993</u>	Difference
Engineering Operations Other Divisions and Departments	354 958 <u>693</u>	395 957 727	+ 41 - 1 + 34
Total Regular Employees	2,005	2,079	+ 74
Full-Time Equivalent (FTE) Temporary Employees*	86	111	+ 25
Total Sunset Employees	625	127	-498
<u>Total Pasadena Employees</u>	187	34	-153
<u>Total California Plaza Employees</u>	0	714	+714
<u>Minority Applicants</u> <u>Minority New Hires</u> <u>Non-Minority Applicants</u> <u>Non-Minority New Hires</u>	121 6 171 6	466 2 218 3	+345 - 4 + 47 - 3

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

🛪 General Manager

JEF:ks/atr (brd:op5-93/6163) Attachments **REPORT: S22GP17N** 

#### METROPOLITAN WATER DISTRICT OF SO. CAL. Year to date Water sales in A.F. to Month of May 1993 TABLE A YEAR TO DATE

DATE: 06/08/93 TIME: 11:01:30

AGENCY	BASIC Service	AGRIC	SPREADING	(NOTE 1) INJECTION	SEASONA RESERVOIR	L STORAGE ( IN-LIEU	NOTE 2)  SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	14630.6	71.7	0.0	0.0	1436.8	0.0	0.0	0.0	0.00	4,563,209.50
CITY OF BURBANK	16709.3	0.0	0.0	0.0	0.0	596.4	500.0	0.0	-427,955.60	5,164,665.00
BEVERLY HILLS	11402,6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	3,671,637.20
CITY OF COMPTON	4341.8	0.0	0.0	0.0	0.0	829.7	0.0	0.0	0.00	1,566,488.70
CALLEGUAS MWD	75494.8	3381.3	0,0	0.0	1357.3	0.0	1845.6	0.0	-289,520.00	25,758,676.90
CHINO BASIN MWD	31645.6	146.4	0.0	0.0	0.0	10171.8	30831.9	0.0	60,132.00	15,484,591.30
CENTRAL BASIN MWD	52054.7	0.0	0.0	4895.8	0.0	15368.9	22986.7	676.2	-387,977.50	24,828,638.00
COASTAL MWD	55731.5	0.0	0.0	0.0	419.0	404.0	0.0	1107.4	860.43	18,130,952.83
EASTERN MWD	49845.0	0.0	92.1	0.0	0.0	0.0	2138.8	0.0	117,479.30	16,760,387.20
CITY OF FULLERTON	8946.6	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	2,890,819.40
FOOTHILL MWD	6631.4	0.0	0.0	0.0	0.0	1292.1	0.0	0.0	-16,489.00	2,381,118.10
CITY OF GLENDALE	23507.2	0.0	0.0	0.0	0.0	0,0	0.0	287.5	0.00	7,525,043.40
CITY OF LOS ANGELES	247432.5	0.0	0.0	0.0	11577.0	12835.5	0.0	0.0	-3,500,000.00	898.00, 358, 898.00
CITY OF LONG BEACH	37310.7	0.0	0.0	0.0	0.0	2074.0	0.0	935.7	2,500.00	12,289,141.60
LAS VIRGENES MWD	13976.9	0.0	0.0	0.0	1426.8	0.0	0.0	2942.7	-95,018.40	4,861,498.20
ORANGE COUNTY MWD	122837.4	3582.2	0.0	0.0	0.0	25127.8	24269.6	9026.2	420.00, 420	890.30, 196, 48
CITY OF PASADENA	7160.0	0.0	0,0	0.0	0.0	11879.8	0.0	0.0	-200,392.05	4,516,727.35
THREE VALLEYS MWD	51921.0	106.4	0.0	0.0	0.0	0.0	4433.5	0.0	-100,962.00	16,628,247.10
CITY OF SANTA ANA	10063.6	0.0	0.0	0.0	0.0	2243.7	0.0	0.0	0.00	3,695,950.30
SAN DIEGO CWA	363104.7	0.0	0.0	0.0	31437.8	0.0	0.0	1234.9	-2,559,064.75	110,773,143.85
CITY OF SAN FERNANDO	319.2	0.0	0.0	0.0	0.0	113.0	0.0	0.0	0.00	125,721.40
CITY OF SANTA MONICA	4814.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-523,998.00	1,026,271.00
CITY OF SAN MARINO	953.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6,306.00	300,688.80
CITY OF TORRANCE	17769.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	5,721,714.60
SAN GABRIEL VALLEY	9467.1	0.0	0,0	0.0	0.0	0.0	60490.0	0.0	-34,629.00	13,176,097.20
WEST BASIN MWD	114288.8	0.0	0.0	25125.1	0.0	10615.1	0.0	0.0	-300,515.00	46,754,957.30
RIVERSIDE	22481.8	23362.2	0.0	0.0	0.0	1466.1	0.0	0.0	-281,038.00	13,528,640.30
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,750.00	2,750.00
TOTALS :	1374842.0	30681.3	92.1	30020.9	47654.7	95017.9	147496.1	16210.6	-8,588,563.57	

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GRAND TOTAL SALES: 1,742,015.6 ACRE FEET

TOTAL NET INVOICE \$ 482,683,564.83

NOTE 1: INJECTION INCLUDES SEA WATER BARRIER AND GROUND WATER REPLENISMENT 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.

REPORT: S22GP15N

#### METROPOLITAN WATER DISTRICT OF SO. CAL. Billing Activity Report for the Month of May 1993 TABLE A

DATE: 06/08/93

TIME: 10:58:49

AGENCY	BASIC Service	AGRIC	SPREADING	(NOTE 1) INJECTION	SEASONAL RESERVOIR	STORAGE ( IN-LIEU	NOTE 2)  SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	3333.6	4.6	0.0	0.0	74.2	0.0	0.0	0.0	0.00	1,091,197.90
CITY OF BURBANK	2008.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-38,575.60	608,161.40
BEVERLY HILLS	1162.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	374,260.60
CITY OF COMPTON	532.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	171,593.80
CALLEGUAS MWD	8846.5	195.9	0.0	0.0	59.3	0.0	73.4	0.0	0.00	2,938,590.90
CHINO BASIN MWD	223,0	4.4	0.0	0.0	0.0	4673.2	2966.9	0.0	0.00	1,344,707.40
CENTRAL BASIN MWD	3820.2	0,0	0.0	365.9	0.0	3271.7	0.0	61.2	0.00	2,002,654.50
COASTAL MWD	6308.7	0.0	0.0	0.0	0.0	0.0	0.0	69.0	860.43	2,038,057.83
EASTERN MWD	6330.8	0.0	0.0	. 0.0	0.0	0.0	0.0	0.0	0.00	2,058,912.00
CITY OF FULLERTON	2393.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00	771,512.00
FOOTHILL MWD	191.3	0.0	0.0	0.0	0.0	538.6	0.0	0.0	0.00	170,934.40
CITY OF GLENDALE	2601.8	0.0	0.0	0.0	0.0	0.0	0.0	78.6	0.00	825,675.20
CITY OF LOS ANGELES	19574.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3,500,000.00	1,866,726.10
CITY OF LONG BEACH	4913.2	0.0	0.0	0.0	0.0	502.0	0.0	132.1	0.00	1,663,613.00
LAS VIRGENES MWD	1001.3	0.0	0.0	0.0	883.8	0.0	0.0	219,6	446.40, 18-	501,830.00
ORANGE COUNTY MWD	12490.2	400.0	0.0	0.0	0.0	3406.1	0.0	652.5	-50,142.00	4,637,862.10
CITY OF PASADENA	-1377.1	0.0	0.0	0.0	0.0	1679.8	0.0	0.0	0.00	102,426.80-
THREE VALLEYS MWD	5909.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	-22,422.00	1,794,228.90
CITY OF SANTA ANA	936.5	0.0	0.0	0.0	0.0	2243.7	0.0	0.0	0.00	757,024.10
SAN DIEGO CWA	36081.6	0.0	0.0	0.0	979.3	0.0	0.0	279.6	0.00	10,939,808.60
CITY OF SAN FERNANDO	128.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	41,505.80
CITY OF SANTA MONICA	733.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	236,090.40
CITY OF SAN MARINO	101.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	32,715.20
CITY OF TORRANCE	2031.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	654,207.40
SAN GABRIEL VALLEY	798.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	257,149.20
WEST BASIN MWD	12231.8	0.0	0.0	2403.1	0.0	1397.4	0.0	0.0	625.00, 625	4,950,485.00
RIVERSIDE	2702.3	1029.3	0.0	0.0	0.0	1025.3	0.0	0.0	0.00	1,294,610.90
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
TOTALS :	136010.4	1646.4	0.0	2769.0	1996.6	18737.8	3040.3	1492.6	-3,674,100.57	

GRAND TOTAL SALES: 165,693.1 ACRE FEET

TOTAL NET INVOICE \$ 43,921,937.83

NOTE 1: INJECTION INCLUDES SEA WATER BARRIER AND GROUND WATER REPLENISMENT 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.

#### METROPOLITAN WATER DISTRICT OF SO. CAL. WATER SALES IN ACRE-FEET FOR THE MONTH OF MAY 1993 TABLE B

DATE: 06/07/93 TIME: 14:12:08

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	BASIC	-TREATED(	NOTE)			BASTC		D(NOTE)				TOTAL
AGENCY	SERVICE		SEASONAL		AF AMOUNT	SERVICE		SEASONAL	-	AF AMOUNT	RECLAIMED	AF AMOUNT
CITY OF ANAHEIM	3409.8	0.7	0.0	0.0	3410.5	-76.2	3.9	74.2	0.0	1.9	0.0	3412.4
CITY OF BURBANK	2008.5	0.0	0.0	0.0	2008.5	0.0	.0.0	0.0	0.0	0.0	0.0	2008.5
BEVERLY HILLS	1162.3	0.0	0.0	0.0	1162.3	0.0	0.0	0.0	0.0	0.0	0.0	1162.3
CITY OF COMPTON	532.9	0.0	0.0	0.0	532.9	0.0	0.0	0.0	0.0	0.0	0.0	532.9
CALLEGUAS MWD	8846.5	195.9	132.7	0.0	9175.1	0.0	0.0	0.0	0.0	0.0	0.0	9175.1
CHINO BASIN MWD	0.0	0.0	0.0	0.0	0.0	223.0	4.4	7640.1	0.0	7867.5	0.0	7867.5
CENTRAL BASIN MWD	3820.2	0.0	3271.7	365.9	7457.8	0.0	0.0	0.0	0.0	0.0	61.2	7519.0
COASTAL MWD	6308.7	0.0	0.0	0.0	6308.7	0.0	0.0	0.0	0.0	0.0	69.0	6377.7
EASTERN MWD	6715.6	0.0	0.0	0.0	6715.6	-384.8	0.0	0.0	0.0	-384.8	. 0.0	6330.8
CITY OF FULLERTON	2393.8	2.2	0.0	0.0	2396.0	0.0	. 0.0	0.0	0.0	0.0	0.0	2396.0
FOOTHILL MWD	191.3	0.0	538.6	0.0	729.9	0.0	0.0	0.0	0.0	0.0	0.0	729.9
CITY OF GLENDALE	2601.8	0.0	0.0	0.0	2601.8	0.0	0.0	0.0	0.0	0.0	78.6	2680.4
CITY OF LOS ANGELES	1911.7	0.0	0.0	0.0	1911.7	17662.3	0.0	0.0	0.0	17662.3	0.0	19574.0
CITY OF LONG BEACH	4913.2	0.0	502.0	0.0	5415.2	0.0	0.0	0.0	0.0	0.0	132.1	5547.3
LAS VIRGENES MWD	1001.3	0.0	883.8	0.0	1885.1	0.0	0.0	0.0	0.0	0.0	219.6	2104.7
ORANGE COUNTY MWD	11642.6	236.4	3406.1	0.0	15285.1	847.6	163.6	0.0	0.0	1011.2	652.5	16948.8
CITY OF PASADENA	-1377.1	0.0	1679.8	0.0	302.7	0.0	0.0	0.0	0.0	0.0	0.0	302.7
THREE VALLEYS MWD	4233.7	0.0	0.0	0.0	4233.7	1675.5	10.0	0.0	0.0	1685.5	0.0	5919.2
CITY OF SANTA ANA	936.5	0.0	2243.7	0.0	3180.2	0.0	0.0	0.0	0.0	0.0	0.0	3180.2
SAN DIEGO CWA	20862.9	0.0	190.3	0.0	21053.2	15218.7	0.0	789.0	0.0	16007.7	279.6	37340.5
CITY OF SAN FERNANDO	128.9	0.0	0.0	0.0	128.9	0.0	0.0	0.0	0.0	0.0	0.0	128.9
CITY OF SANTA MONICA	733.2	0.0	0.0	0.0	733.2	0.0	0.0	0.0	0.0	0.0	0.0	733.2
CITY OF SAN MARINO	101.6	0.0	0.0	0.0	101.6	0.0	0.0	0.0	0.0	0.0	0.0	101.6
CITY OF TORRANCE	2031.7	0.0	0.0	0.0	2031.7	0.0	0.0	0.0	0.0	0.0	0.0	2031.7
SAN GABRIEL VALLEY	798.6	0.0	0.0	0.0	798.6	0.0	0.0	0.0	0.0	0.0	0.0	798.6
WEST BASIN MWD	12231.8	0.0	1397.4	2403.1	16032.3	0.0	0.0	0.0	0.0	0.0	0.0	16032.3
RIVERSIDE	1422.7	784.5	45.1	0.0	2252.3	1279.6	244.8	980.2	0.0	2504.6	0.0	4756.9
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:	99564.7	1219.7	14291.2	2769.0	117844.6	36445.7	426.7	9483.5	0.0	46355.9	1492.6	165693.1

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 May 1993 TABLE B YEAR TO DATE

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DATE: 06/07/93 TIME: 14:13:23

AGENCY	BASIC Service	AGRIC	SPREADING	INJECTION (NOTE 1)	SEASONA RESERVOIR	L STORAGE (N IN-LIEU	OTE 2)  SPREADING	RECLAIMED	AGENCY Total (A.F.)
CITY OF ANAHEIM	14630.6	71.7	0.0	0.0	1436.8	0.0	0.0	0.0	16,139.1
CITY OF BURBANK	16709.3	0.0	0.0	0.0	0.0	596.4	500.0	0.0	17,805.7
BEVERLY HILLS	11402.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11,402.6
CITY OF COMPTON	4341.8	0.0	0.0	0.0	0.0	829.7	0.0	0.0	5,171.5
CALLEGUAS MWD	75494.8	3381.3	0.0	0.0	1357.3	0.0	1845.6	0.0	82,079.0
CHINO BASIN MWD	31645.6	146.4	0.0	0.0	0.0	10171.8	30831.9	0.0	72,795.7
CENTRAL BASIN MWD	52054.7	0.0	0.0	4895.8	0.0	15368.9	22986.7	676.2	95,982.3
COASTAL MWD	55731.5	0.0	0.0	0.0	419.0	404.0	0.0	1107.4	661.9, 57
EASTERN MWD	49845.0	0.0	92.1	0.0	0.0	0.0	2138.8	0.0	52,075.9
CITY OF FULLERTON	8946.6	31.1	0.0	0.0	0.0	0.0	0.0	0.0	7.977
FOOTHILL MWD	6631.4	0.0	0.0	0.0	0.0	1292.1	0.0	0.0	7,923.5
CITY OF GLENDALE	23507.2	0.0	0.0	0.0	0.0	0.0	0.0	287.5	794.7, 23
CITY OF LOS ANGELES	247432.5	0.0	0.0	0.0	11577.0	12835.5	0.0	0.0	271,845.0
CITY OF LONG BEACH	37310.7	0.0	0.0	0.0	0.0	2074.0	0.0	935.7	40,320.4
LAS VIRGENES MWD	13976.9	0.0	0.0	0.0	1426.8	0.0	0.0	2942.7	18,346,4
ORANGE COUNTY MWD	122837.4	3582.2	0.0	0.0	0.0	25127.8	24269.6	9026.2	184,843.2
CITY OF PASADENA	7160.0	0.0	0.0	0,0	0.0	11879.8	0.0	0.0	19,039.8
THREE VALLEYS MWD	51921.0	106.4	0.0	0.0	0.0	0.0	4433.5	0.0	56,460.9
CITY OF SANTA ANA	10063.6	0.0	0.0	0.0	0.0	2243.7	0.0	0.0	12,307.3
SAN DIEGO CWA	363104.7	0.0	0.0	0.0	31437.8	0.0	0.0	1234.9	395,777.4
CITY OF SAN FERNANDO	319.2	0.0	0.0	0.0	0.0	113.0	0.0	0.0	432.2
CITY OF SANTA MONICA	4814.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,814.5
CITY OF SAN MARINO	953.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	953.4
CITY OF TORRANCE	17769.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17,769.3
SAN GABRIEL VALLEY	9467.1	0.0	0.0	0.0	0.0	0.0	60490.0	0.0	69,957.1
WEST BASIN MWD	114288.8	0.0	. 0.0	25125.1	0.0	10615.1	0.0	0.0	150,029.0
RIVERSIDE	22481.8	23362.2	0.0	0.0	0.0	1466.1	0.0	0.0	47,310.1
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS :	1374842.0	30681.3	92.1	30020.9	47654.7	95017.9	147496.1	16210.6	

GRAND TOTAL SALES (A.F.) 1,742,015.6

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

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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.

AGENCY

SERVICE AGRIC SEASONAL

GWR

#### METROPOLITAN WATER DISTRICT OF SO. CAL. WATER SALES IN DOLLARS FOR THE MONTH OF MAY 1993 TABLE C

---BASIC---TREATED------(NOTE 1)-| DOLLAR |--BASIC---UNTREATED------(NOTE 1)-| DOLLAR (NOTE 2) TOT DOLLAR AMOUNT SERVICE AGRIC SEASONAL GWR AMOUNT RECLAIMED SPECIAL (\$) AMOUNT

	······································		<u> </u>		<u> </u>		<del></del>						<u> </u>
CITY OF ANAHEIM	1097955	225	. 0	0	1098181	-20497	1049	12465	0	-6983	0	0	1091197
CITY OF BURBANK	646737	0	0	0	646737	0	0	0	0	0	Ō	-38575	608161
BEVERLY HILLS	374260	0	0	0	374260	0	0	0	0	0	0	0	374260
CITY OF COMPTON	171593	0	0	0	171593	0	0	0	0	Ó	Ō	0	171593
CALLEGUAS MWD	2848573	63079	26938	0	2938590	0	0	0	Ó	0	0	Ő	2938590
CHINO BASIN MWD	0	0	0	0	0	59987	1183	1283536	Ō	1344707	0	0	1344707
CENTRAL BASIN MWD	1230104	0	664155	117819	2012079	0	0	0	0	0	-9424	Ō	2002654
COASTAL MWD	2031401	0	· 0	0	2031401	0	0	0	0	0	5796	860	2038057
EASTERN MWD	2162423	0	0	0	2162423	-103511	0	0	0	-103511	0	0	2058912
CITY OF FULLERTON	770803	708	0	0	771512	0	0	- 0	0	0	0	Ō	771512
FOOTHILL MWD	61598	0	109335	0	170934	0	0	0	. 0	0	0	Û	170934
CITY OF GLENDALE	837779	0	0	0	837779	0	0	0	0	0	-12104	0	825675
CITY OF LOS ANGELES	615567	0	0	0	615567	4751158	0	0	0	4751158	0	-3500000	1866726
CITY OF LONG BEACH	1582050	0	101906	0	1683956	0	0	0	0	0	-20343	0	1663613
LAS VIRGENES MWD	322418	0	179411	0	501830	0	0	0	0	0	18446	-18446	501830
ORANGE COUNTY MWD	3748917	76120	691438	0	4516476	228004	44008	0	0	272012	-100485	-50142	4637862
CITY OF PASADENA	-443426	0	340999	0	-102426	0	0	0	0	0	0	0	-102426
THREE VALLEYS MWD	1363251	0	0	0	1363251	450709	2690	0	0	453399	0	-22422	1794228
CITY OF SANTA ANA	301553	0	455471	0	757024	0	0	0	0	0	0	0	757024
SAN DIEGO CWA	6717853	0	38630	0	6756484	4093830	0	132552	0	4226382	-43058	0	10939808
CITY OF SAN FERNANDO	41505	0	0	0	41505	0	0	0	0	0	0	0	41505
CITY OF SANTA MONICA	236090	0	0	0	236090	0	0	0	0	0	0	0	236090
CITY OF SAN MARINO	32715	0	0	0	32715	0	0	0	0	0	0	0	32715
CITY OF TORRANCE	654207	0	0	0	654207	0	0	0	0	0	0	0	654207
SAN GABRIEL VALLEY	257149	0	0	0	257149	0	0	0	0	0	0	0	257149
WEST BASIN MWD	3938639	0	283672	773798	4996110	0	0	0	0	0	0	-45625	4950485
RIVERSIDE	458109	252609	9155	0	719873	344212	65851	164673	.0	574737	0	0	1294610
SPC CONT	0	0	0	0	0	0	. 0	0	0	0	0	250	250
	<u></u> .				<u> </u>		<u></u>	<u> </u>	<u></u>		<u></u>	·	
TOTAL:	32059833	392743	2901113	891618	\$36245308	9803893	114782	1593228	0	\$11511903	-161173	-3674100	\$43921937

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.

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

DATE: 06/07/93 TIME: 14:13:42

APRILIPS OFFICE FORMS ALLISS

	The Metropolitan Water District of Southern California TABLE D														
											~ • •				
MONTHLY	ANAL	YSE	S OF	IH		S I RIC	I W.	ATER	SU	PLIE	SAP	RIL	1993		
					SOUR	CE WA	TERS			F	ILTRATI	ION PL	ANT EF	FLUENT	S
CONSTITUENTS	SYMB An Uni	D	LAKE HAVASU NEAR WHIT. SETT 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			4-6-93	4-5-93	4-5-93	APR 93	4-5-93	4-5-93	APR 93	APR 93	APR 93	APR 93	APR 93	APR 93	APR 93
SILICA	SiO <sub>2</sub>	mg/L	7.3	9.1	8.9	15.3	15.0	1.0	9.7	10,1	10.2	15.0	9.5	9.5	15.1
CALCIUM	Ca	mg/L	75	64	70	38	20	26	64	68	70	37	62	62	20
MAGNESIUM	Mg	mg/L	30	25	28	18.5	9.5	. 17	26	27.5	29	18.5	24.5	24.5	9.5
SODIUM	Na	mg/L	97	83	91	72	50	82	80	86	88	74	81	80	54
POTASSIUM	ĸ	mg/L	4.9	4.2	5.0	3.4	2.6	4.5	4.4	4.3	4.4	3.4	4.2	4.3	2.9
CARBONATE	CO3	mg/L	0	1	0	0	0	5	2	0	0	2	0	0	2
BICARBONATE	нсоз	mg/L	163	153	159	120	78	113	148	151	155	118	150	149	81
SULFATE	SO4	mg/L	273	196	245	114	52	55	216	213	256	107	195	205	58
CHLORIDE	CI	mg/L	89	74	86	85	57	122	75	83	81	87	79	78	60
NITRATE	NO <sub>3</sub>	mg/L	0.3	0.3	0.7	2.5	0.7	0.2	0.45	2.0	1.95	2.55	0.4	0.45	2.55
FLUORIDE	F	mg/L	0.40	0.40	0.40	0.30	0.20	0.20	0.30	0.40	0.30	0.30	0.30	0.30	0.20
BORON	B	mg/L	+-							-		••			~~
TOTAL DISSOLVED SOLIDS	TDS	mg/L	659	533	614	409	246	369	552	570	618	406	531	538	265
TOTAL HARDNESS AS CaCO <sub>3</sub>		mg/L	311	263	290	171	89	135	267	283	294	169	256	256	8 <del>9</del>
TOTAL ALKALINITY AS CaCO3	1	mg/L	134	127	130	98	64	101	125	124	127	101	123	122	70
FREE CARBON DIOXIDE	CO2	mg/L	1.4	1.1	2.1	2.3	1.5	0.3	1.0	2.6	2.1	1.3	2.3	4.1	0.3
H+ CONCENTRATION	рН		8.30	8.39	8.09	7,94	7.94	8.77	8.39	7.99	8.08	8.20	8.03	7.78	8.62
SPECIFIC CONDUCTANCE	µm [	ho/cm	1064	910	1020	730	454	715	928	995	1000	739	934	926	491
COLOR		CU							•		3	2	-		
FILTER EFFLUENT TURBIDITY		NTU								0.10	0.07	0.08	0.12		0.11
TURBIDITY		NTU	0.95	3.0	0.93	1.5	1.8	0.73	2.5	0.09	0.07	0.08	0.11	0.10	0.11
TEMPERATURE		°C	18	17	14	14	11	17	19	14	15	14	19	1 <del>9</del>	17
BROMIDE	Br	mg/L	0.08	0.07	0.09	0.30	0.20	0.37	0.10						
TOTAL TRIHALOMETHANES	TTHMs	• •	·							36	40	64	56	48	56
PCT. STATE PROJECT WATER	% SPW	%	0	0	0	100	100	100	0	9	1	100	0	0	100

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# TABLE E. GENERAL MANAGER'S MONTHLY REPORT

# May 1993

Storage in Colorado River Basin Reservoirs at End of Month \_\_\_\_

\_\_\_\_\_\_

Reservo	Usable Contents Above Lowest Outlet	Percent of Usable Capacity	Usable Contents Above Min. Power Head	Change * in Contents During Month M	Change * in Contents Since lay 1992
Upper Bas	 in 				
Fontenelle Flaming Gorge Blue Mesa Morrow Point Crystal Navajo Powell	216 3,202 603 116 18 1,548 16,805	63 85 73 99 102 91 69	21 2,969 522 41 7  12,808	120 86 190 5 1 131 2,645	63 (57) (26) 4 2 (58) 1,870
Subtot	22,508	72	16,368	3,178	1,798
Lower Bas	in				
 Mead Mohave Havasu	21,521 1,717 611	82 95 99	11,497 1,500 172	(406) 170 16	1,733 51 4
Subtot	23,849	83	13,169	(220)	1,788
Basin To	46,357	78	<i>29,537</i>	<i>2,958</i>	<u>3,586</u>

# (1,000 acre-feet)

\* Numbers within () are negative numbers.

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# FINANCIAL SUMMARY FISCAL YEAR 1992-93 CASH BASIS (\$ in Millions)

# TABLE F

	ACTUAL THRU MAY 1993	BUDGET THRU MAY 1993	VARIANCE DOLLARS +/(-)	PROJECTED	ANNUAL BUDGET	VARIANCE DOLLARS +/(-)
RECEIPTS	-					
WATER SALES	\$483.8	\$484.2	(\$0.4)	\$525.9	\$528.1	(\$2.2)
POWER RECOVERIES	13.0	17.7	(4.7)	15.0	20.0	(5.0)
TAXES	86.6	83.5	3.1	88.1	85.0	3.1
INTEREST AND OTHER	22.4	38.0	(15.6)	24.5	40.8	(16.3)
ADDITIONAL REVENUES	22.4	47.5	(25.1)	25.0	50.0	(25.0)
TOTAL RECEIPTS	628.2	670.9	(42.7)	678.5	723.9	(45.4)
EXPENDITURES	_					
STATE WATER CONTRACT	262.0	327.1	65.1	247.2	334.4	87.2
STATE WATER BANK	0.5	0.8	0.3	0.5	0.8	0.3
COLORADO RIV. SUPPLIES	59.1	70.7	11.6	64.0	73.3	9.3
MWD CAPITAL PROGRAM	114.7	110.5	(4.2)	122.7	118.0	(4.7)
MWD O&M	173.5	217.0	43.5	193.0	236.6	43.6
TOTAL EXPENDITURES	609.8	726.1	116.3	627.4	763.1	135.7
INCREASE (DECREASE) in						
CASH and INVESTMENTS	\$18.4	(\$55.2)	\$73.6	\$51.1	(\$39.2)	\$90.3

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# ACRE-FEET SALES IN THOUSANDS

	ACTUAL	BUDGETED	DIFFERENCE
CUMULATIVE MAY TO MARCH	1,755.9	1,825.1	(69.2)
APRIL DELIVERIES	153.3	188.8	(35.5)
MAY DELIVERIES	165.7	137.5	28.2

# MONTHLY PROGRESS REPORT OF CONSTRUCTION AND PROCUREMENT CONTRACTS

### May 1993

## SUMMARY OF PROGRESS

	Construction <u>Contracts</u>	Procurement <u>Contracts</u>
Number of Contracts	8	3
Total Bid Amount of Contracts in Progress	\$ 138,317,537	\$ 10,189,978
Number of Contracts Awarded this Month	0	0
Total Bid Amount of Contracts Awarded this Month	0	0
Contract Gross Earnings this Month	8,218,294	0

There were no new construction contracts awarded by the Board of Directors or the General Manager during the month of May 1993.

One construction contract was completed during the month of May 1993. Contract No. 1397 covering the construction of Service Connection No. LA-35, was completed by the prime contractor, Dillingham Construction N. A., Inc., and accepted by District forces on May 11, 1993.

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 13 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 May 1993.

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

# CONTENTS

DESCRIPTION	PAGE
Summary of Construction Contracts	. 3
Summary of Construction Contracts Completed During the Month	. 4
Summary of Procurement Contracts	. 5
Etiwanda Power Plant Specs. No. 1230Contract No. 1408	. 6
Jensen Plant Expansion No. 1 Specs. No. 1200Contract No. 1393	. 7
Service Connection LA-35 Specs. No. 1225Contract No. 1397	. 8
Site Preparation for Henry J. Mills Filtration Plant Expansion No. 2 Specs. No. 1237Contract No. 1410	. 9
Maintenance Building and Operations Building Annex at Mills Plant Specs. No. 1192AContract No. 14	. 10
Construction of the San Diego Canal Relocation Specs. No. 1247Contract No. 1414	. 11
Modifications to Ventilation Hood System at Water Quality Laboratory Specs. No. 1224Contract No. 1406	. 12
Cathodic Protection System for East Orange County Feeder No. 2 Specs. No. 1258Contract No. 1415	. 13

Form 42-12 12-74

#### 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
1408	1230	Etiwanda Power Plant	Advanco Constructors	\$ 3,820,000	\$ 122,897	\$ 1,935,578	8/28/92	11/18/93	11/93	50	52
1293	1200	Joseph Jensen Filtration Plant Expansion No. 1	Hyman/JWP West, A Joint Venture	101,986,000	5,242,197	58,740,670	9/05/91	09/19/94	12/94	57	53
1410	1237	Site Preparation for Henry J. Mills Filtration Plant for Expansion No. 2	Kiewit Pacific Company	15,219,400	1,624,800	11,580,870	10/06/92	12/20/93	11/93	76	48
1411	1192A	Maintenance Building and Operations Building Annex at Mills Plant	Tilden-Coil Constructors, Inc.	2,569,690	352,544	1,295,363	10/14/92	10/04/93	10/93	70	58
1414	1247	San Diego Canal Relocation	Kasler Corporation	9,872,635	872,441	1,726,698	03/22/93	02/02/94	02/94	17	13
1406	1224	Modification to Ventilation Hood System at Water Quality Laboratory	Sanders Engineering Co., Inc.	227,887	3,415	225,040	08/25/92	01/06/93	06/93	99	100
1415	1258	Cathodic Protection System for East Orange County Feeder No. 2	Harco Technologies Corporation	375,925	_	_	-		-	_	_

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Form 42-	18 12-82								
			THE METROPOLITAN W OF SOUTHERN CA						
	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	
1397	1225	Service Connection LA-35	Dillingham Construction, N.A., Inc.	\$ 4,246,000	\$ 4,360,000	05/11/93	05/20/93	06/24/93	

Form 42-1		SUMMARY OF CONSTRUCTION	ON CONTRACTS WHICH HAVE	BEEN COMPLETED	BUT HAVE FIN	AL PAYMENTS	PENDING	
Cont. No.	Spec. No.	Feature	Contractor	Bid Amount	Estimated Final Earnings	Date Work Accepted	Date Notice of Completion Recorded	Date Final Paymen Due
	<b>F</b> ig. <b>1</b>	except of #0.0 million was made	Nc to Kaweah Construction Company on	New 21, 1003, thus set	ling all autotanding	olaims filed by the		
	rindi		ntract No. 1375, construction of the Wa					

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10111 42-	11 12-74			DLITAN WATER DISTRI HERN CALIFORNIA					
Cont. No.	Spec. No.	Equipment or Material	Contractor	Contract Price	Earnings This Month	Earnings To Date	Starting Date	Delivery Date	Remarks
1355	1146	Conical Plug Valves for Etiwanda Control Facility and Power Plant	Willamette Valve Co., Inc.	\$ 3,999,978	_	\$ 3,904,584	7/28/89	2/22/91	
1396	1207	Four Computer-Based Control Systems	JWP Controls	6,670,000	_	875,321	3/12/92	-	·
1403	1240	Nine Hydrofoil Flocculators for Jensen Expansion No. 1	Chemineer, Inc.	249,000		_	6/02/92	1/27/93	

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### MONTHLY CONSTRUCTION PROGRESS REPORT

#### May 1993

CONSTRUCTION OF	Etiwanda Power Plant		
CONTRACTOR	Advanco Constructors		
SPECIFICATIONS NO.	1230	BID	\$ 3,820,000
CONTRACT NO.	1408	EXTRA WORK TO DATE	39,663
CONTRACT STARTING DATE	August 31, 1992	EARNINGS THIS MONTH	122,897
CONTRACT COMPLETION DATE	November 18, 1993	EARNINGS TO DATE	1,935,578
ESTIMATED COMPLETION DATE	November 1993	ESTIMATED PERCENT COMPLETE	50
		PERCENT CONTRACT TIME ELAPSED	52

# **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, Riverside County.

# **CONSTRUCTION PROGRESS**

Erection of forms and placement of reinforcing steel, embedments, and concrete were in progress throughout the month at the powerhouse and in the switchyard.

Installation of electrical ductbanks, including placement of concrete encasement and backfill material, continued in the switchyard area. Placement of backfill around the transformer base was also completed in the switchyard area.

Installation and testing of the rotor within the powerhouse were continued throughout the month.

Installation of required piping, including drilling of core holes through the maintenance building walls for the gas lines, was started during the month.

Contractor personnel, including employees of subcontractors, averaged 23 persons during the month of May 1993.

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### MONTHLY CONSTRUCTION PROGRESS REPORT

May 1993

CONSTRUCTION OF	Joseph Jensen Filtration PlantExpansion No. 1				
CONTRACTOR	Hyman/JWP West, A Joint Venture				
SPECIFICATIONS NO.	1200	BID	\$ 101,986,000		
CONTRACT NO.	1393	EXTRA WORK TO DATE	276,984		
CONTRACT STARTING DATE	September 5, 1991	EARNINGS THIS MONTH	5,242,197		
CONTRACT COMPLETION DATE	September 19, 1994	EARNINGS TO DATE	58,740,670		
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	57		
		PERCENT CONTRACT TIME ELAPS	<b>ED</b> 53		

# **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**

Construction of forms and placement of reinforcing steel and concrete were in progress throughout the month at various locations in Filter Modules Nos. 2 and 3, Finished Water Reservoir No. 2, and Washwater Reclamation Plant No. 2, as required. Installation of mechanical embeds and piping was also in progress in the filter modules, finished water reservoir, and washwater reclamation plant in conjunction with concrete placing operations.

Excavation, shoring, and installation of yard piping continued throughout the jobsite as required during the month.

Backfill operations were continued within the filter modules and around the completed portions of the washwater reclamation facilities.

Installation of conduit, embedded conduit supports, and ground wire continued for the filter modules and washwater facilities. Installation of site electrical ductbanks continued and installation of water quality instruments in the filter modules was started during the month.

Painting and coating of miscellaneous metals, piping, and mechanical equipment were continued in Filter Module No. 2 as required during the month.

Contractor personnel, including employees of subcontractors, averaged 245 persons during the month of May 1993.

# MONTHLY CONSTRUCTION PROGRESS REPORT

May 1993

CONSTRUCTION OF	Service Connection LA-35						
CONTRACTOR	Dillingham Construction N.A., Inc.						
SPECIFICATIONS NO.	1225	BID	\$ 4,246,000				
CONTRACT NO.	1397	EXTRA WORK TO DATE	66,094				
CONTRACT STARTING DATE	November 13, 1991	EARNINGS THIS MONTH	58,145				
CONTRACT COMPLETION DATE	March 15, 1993	EARNINGS TO DATE	4,300,094				
ACTUAL COMPLETION DATE	May 11, 1993	ESTIMATED PERCENT COMPLETE	100				
		PERCENT CONTRACT TIME ELAPSED	100				

### **SCOPE OF WORK**

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Construction of a service connection between the existing Balboa Inlet Tunnel and Los Angeles Department of Water and Power High Speed Channel which includes the removal of a 32-foot length of the tunnel and installation of a concrete enclosed steel wye branch, 43 feet of 109-inch-diameter welded-steel pipe, 900 feet of 91-inch-diameter steel pipeline, and appurtenances.

## **CONSTRUCTION PROGRESS**

All work required under the contract was completed by the prime contractor, Dillingham Construction N. A., Inc., and was accepted by District forces on May 11, 1993.

The Notice of Completion was recorded by the Los Angeles County Recorder on May 20, 1993.

### MONTHLY CONSTRUCTION PROGRESS REPORT

#### May 1993

CONSTRUCTION OF	Site Preparation for Expansion No. 2	Henry J. Mills Filtration Plan	t
CONTRACTOR	Kiewit Pacific Compan	у	
SPECIFICATIONS NO.	1237	BID	\$ 15,219,400
CONTRACT NO.	1410	EXTRA WORK TO DATE	9,323
CONTRACT STARTING DATE	October 6, 1992	EARNINGS THIS MONTH	1,624,800
CONTRACT COMPLETION DATE	December 20, 1993	EARNINGS TO DATE	11,580,870
ESTIMATED COMPLETION DATE	November 1993	ESTIMATED PERCENT COMPLETE	76
		PERCENT CONTRACT TIME ELAPSED	48

### **SCOPE OF WORK**

Excavation, installation of District-furnished equipment including large diameter pipe, removal and installation of pipelines, site preparation and grading, construction of an underdrain system, and other appurtenant work for Expansion No. 2 of the Henry J. Mills Filtration Plant at 550 East Alessandro Boulevard, Riverside, California.

# **CONSTRUCTION PROGRESS**

Drilling and blasting operations were in progress throughout the month as required. Excavated material continues to be transported to the rock crusher for processing for future use as a fill material.

Placement of Zone 1 and chimney drain material continued for the reclamation basin embankment. Placement of processed material for future Filter Modules Nos. 3 and 4 embankments was also continued throughout the month.

Backfill operations were in progress throughout the month for the 54-inch-diameter rejection pipeline and the reservoir bypass and effluent pipelines.

Erection of forms and placement of reinforcing steel and concrete were continued for the reservoir inlet and outlet conduits, the reservoir inlet gate, reservoir outlet structure, and the outlet pipe encasement.

Contractor personnel, including employees of subcontractor, averaged 90 persons during the month of May 1993.

# MONTHLY CONSTRUCTION PROGRESS REPORT

#### May 1993

CONSTRUCTION OF	Maintenance Building Henry J. Mills Filtra	and Operations Building Annex ation Plant	at	
CONTRACTOR	Tilden-Coil Constructors, Inc.			
SPECIFICATIONS NO.	1192A	BID	\$ 2,569,690	
CONTRACT NO.	1411	EXTRA WORK TO DATE	2,216	
CONTRACT STARTING DATE	October 14, 1992	EARNINGS THIS MONTH	352,544	
CONTRACT COMPLETION DATE	October 4, 1993	EARNINGS TO DATE	1,295,363	
ESTIMATED COMPLETION DATE	October 1993	ESTIMATED PERCENT COMPLETE	70	
		PERCENT CONTRACT TIME ELAPSEI	<b>D</b> 58	

# **SCOPE OF WORK**

Construction of an approximately 7,700 square foot addition to the existing Operations Building and construction of an approximately 9,600 square foot new Maintenance Building and all appurtenant work located at 550 East Alessandro Boulevard in the City of Riverside, California.

# **CONSTRUCTION PROGRESS**

Concrete placing operations were in progress during the month at the planter wall footing at the maintenance building and for the top of shear walls, second floor decks, and planter wall footing at the operations building annex.

Installation of the roof, as well as all metal studs and drywalls, were completed at the maintenance building. Installation of structural steel at roof elevations and the roof drain and overflow were completed at the operations building annex.

Installation of duct work was completed at the maintenance building and installation of lighting fixtures is now in progress. At the operations annex building, installation of duct work and electrical conduit is now in progress.

Painting of all interior walls and ceiling surfaces and installation of required wall tiles are in progress at the maintenance building.

Contractor personnel, including employees of subcontractors, averaged 23 persons during the month of May 1993.

## MONTHLY CONSTRUCTION PROGRESS REPORT

May 1993

CONSTRUCTION OF	Construction of the San Diego Canal Relocation				
CONTRACTOR	Kasler Corporation				
SPECIFICATIONS NO.	1247	BID	\$ 9,872,685		
CONTRACT NO.	1414	EXTRA WORK TO DATE	0		
CONTRACT STARTING DATE	March 22, 1993	EARNINGS THIS MONTH	872,441		
CONTRACT COMPLETION DATE	February 2, 1994	EARNINGS TO DATE	1,726,698		
ESTIMATED COMPLETION DATE	February 1994	ESTIMATED PERCENT COMPLETE	17		
		PERCENT CONTRACT TIME ELAPSEI	) 13		

### **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**

Stripping operations continued along the canal alignment and at the future barrow pit areas. Stripped materials are being stockpiled at District-designated locations.

Placement of subgrade fill was completed for the Domenigoni Valley radial gate structure, north siphon, spillway, and turnout structure.

Construction of the future canal embankment was continued throughout the month. Excavation continued for the required dewatering trench.

Construction of forms and placement of reinforcing steel and concrete were started during the month for the radial gate structure and the north siphon.

Contractor personnel, including employees of subcontractors averaged 25 persons during the month of May 1993.

### MONTHLY CONSTRUCTION PROGRESS REPORT

#### May 1993

CONSTRUCTION OF	Modifications to the Ventilation Hood System at Water Quality Laboratory				
CONTRACTOR	Sanders Engineering (	Company, Inc.			
SPECIFICATIONS NO.	1224	BID	\$ 277 <b>,</b> 887		
CONTRACT NO.	1406	EXTRA WORK TO DATE	0		
CONTRACT STARTING DATE	August 25, 1992	EARNINGS THIS MONTH	3,415		
CONTRACT COMPLETION DATE	January 8, 1993	EARNINGS TO DATE	225,040		
ESTIMATED COMPLETION DATE	June 1993	ESTIMATED PERCENT COMPLETE	99		
		PERCENT CONTRACT TIME ELAPSED	100		

## **SCOPE OF WORK**

Modifications of the existing laboratory fume exhaust system, including removing or modifying existing ducts and ventilating equipment, making necessary structural modifications, furnishing and installing new duct work, mechanical systems, and electrical or control systems, and balancing the installed system at the La Verne Facility Water Quality Laboratory.

# **CONSTRUCTION PROGRESS**

The contractor completed all electrical punch list items and the project is substantially completed during the month.

The only remaining work is balancing of the ventilation system to achieve the desired air flow throughout the ventilation system.

Work remaining is scheduled for completion during early June 1993.

Contractor personnel, including employees of subcontractors, averaged three persons during the month of May 1993.

## MONTHLY CONSTRUCTION PROGRESS REPORT

#### May 1993

CONSTRUCTION OF	Cathodic Protection S	System for East Orange County F	eeder No. 2
CONTRACTOR	Harco Technologies Corporation		
SPECIFICATIONS NO.	1258	BID	\$ 375 <b>,</b> 925
CONTRACT NO.	1415	EXTRA WORK TO DATE	
CONTRACT STARTING DATE	_	EARNINGS THIS MONTH	
CONTRACT COMPLETION DATE		EARNINGS TO DATE	
ESTIMATED COMPLETION DATE	_	ESTIMATED PERCENT COMPLETE	
		PERCENT CONTRACT TIME ELAPSED	<u> </u>

## **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**

The contractor continued to submit documentation required prior to final award of the contract.

The Notice to proceed is scheduled to be mailed to the contractor during the first week in June 1993.