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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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 EXECUTIVE SECRETARY

November 29, 1994

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

The following tables contain October 1994 data on Metropolitan's water and power sales and purchases, treatment plant operations, reservoir storage, construction, and employment; and Los Angeles Civic Center rainfall and temperature readings.

WATER SALES

	<u>Oct.</u> <u>1994</u> AF	<u>Sept.</u> <u>1994</u> AF	<u>Oct.</u> <u>1993</u> AF	<u>Total Fiscal</u> <u>Year to Date</u> AF
TOTAL WATER SALES	185,932	155,898	176,366	705,446
REVENUE	\$66,149,018	\$56,622,192	\$57,160,665	\$252,339,265
BASIC SERV	149,565	131,833	125,114	568,705
AGRICULTURAL	14,544	18,510	4,052	56,553
SPREADING	0	0	0	0
BARRIER INJECTION	2,926	2,666	2,786	10,621
SEASONAL STORAGE				
Spreading	16,098	629	4,826	17,815
Reservoir Storage	180	(1,083)	2,849	14,176
In-Lieu	1,691	89	34,623	27,958
RECLAIMED	2,621	3,254	2,116	11,311
TREATED	119,025	112,440	120,402	482,798
UNTREATED	65,979	40,204	53,849	213,030

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

METROPOLITAN'S STATE WATER PROJECT (SWP)
CHARGES AND PAYMENTS--FISCAL YEAR 1994/95

The following table shows a comparison of totals from July 1, 1994, through October 31, 1994:

<u>Components*</u>	<u>SWP Statement of Charges to Date**</u>	<u>1994/95 Annual Budget to Date</u>	<u>Amount Paid to Date**</u>
Capital	65,045,022	64,859,000	65,045,020
Minimum	37,377,680	37,465,000	37,382,239
Power	69,895,996	44,172,000	43,902,739
Credits	<u>Not Applicable</u>	<u>0</u>	<u>(77,683,823)</u>
Total	<u>\$172,318,698</u>	<u>\$146,496,000</u>	<u>\$68,646,175</u>

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

** The difference between the charges to date and the amount paid to date is due principally to changes made in January to the Variable OMP&R rates and a change in the quantity of water scheduled; return by the California Department of Water Resources of excess historical Replacement Reserve deposits with interest, and credit on adjustment to the 1993 Off-Aqueduct charges.

POWER FOR PUMPING

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

<u>Colorado River Energy</u>	<u>Kwh</u>
Hoover Power Plant	77,229,000
Parker Power Plant	<u>16,054,000</u>
Subtotal	93,283,000
Southern California Edison (SCE)	
Benefit Energy	11,250,445
SCE Exchange Energy	0
SCE Purchased Energy	61,496,000
California Department of Water Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>52,276,000</u>
Total Generated for Metropolitan Colorado River Aqueduct (CRA)	218,305,445
Power Available to DWR	0
CRA Power Available to SCE	0

HYDROELECTRIC POWER RECOVERY PLANTS--FISCAL YEAR 1994/95
ENERGY AND REVENUE ACCOUNT

PLANT	Oct. 1994		Gross Energy Revenue	
	Energy Sales (Kwh)		Gross Energy Revenue	
	This Month	F.Y. to Date	This Month	F.Y. to Date
PHASE I				
Greg Avenue	0	484,800	\$ 0.00	\$ 22,480.18
Lake Mathews	2,460,000	12,378,000	114,070.20	573,967.86
Foothill Feeder	3,648,000	19,176,000	169,157.76	889,191.12
San Dimas	279,000	8,010,000	12,937.23	371,432.70
Yorba Linda	<u>2,256,000</u>	<u>10,878,000</u>	<u>104,610.72</u>	<u>504,412.86</u>
Subtotal	8,643,000	50,926,800	400,775.91	2,361,475.72
PHASES II-IV				
Sepulveda Canyon	2,364,000	4,308,000	91,543.30	201,419.22
Venice	621,000	1,116,000	24,077.66	48,601.12
Temescal	114,000	4,203,000	5,730.93	249,301.47
Corona	132,000	4,446,000	6,203.30	263,540.05
Perris	0	3,582,000	0.00	232,589.51
Rio Hondo	906,000	3,480,000	35,294.83	194,452.13
Coyote Creek	1,305,000	5,400,000	50,854.00	293,940.93
Red Mountain	2,940,000	11,820,000	112,320.71	644,646.13
Valley View	<u>1,960,000</u>	<u>1,992,000</u>	<u>74,417.91</u>	<u>77,747.77</u>
Subtotal	10,342,000	40,347,000	400,442.64	2,206,238.33
Total Phase I-IV	18,985,000	91,273,800	801,218.55	4,567,714.05
Etiwanda	0	6,986,000	0.00	112,702.11
Total	<u>18,985,000</u>	<u>98,259,800</u>	<u>801,218.55</u>	<u>4,680,416.16</u>

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

Quality		Diemer	Jensen	Weymouth	Skinner Plant 1	Skinner Plant 2	Mills
Hardness--mg/l as CaCO ₃	Oct. 94	324*	156*	317*	315*	314*	117*
	Sept. 94	301	156	299	292	292	115
	Oct. 93	295	207	297	327	323	91
Total Dissolved Solids--mg/l	Oct. 94	699**	362**	691**	688**	681**	326*
	Sept. 94	672	354	660	650	643	310
	Oct. 93	643	469	639	687	678	221

* 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>	Oct. 1994	44,473	21,375	30,028	22,901	5,441
	Sept. 1994	41,821	13,221	28,415	27,573	6,808
	Oct. 1993	44,881	17,300	28,925	23,683	5,609
		<u>Avg.</u>	<u>Ann.</u>	<u>Treated</u>	<u>Total Fiscal</u>	
		<u>Rate</u>	<u>Diff.</u>	AF	<u>Year to Date</u>	
		cfs	%		AF	
<u>Total all Plants</u>	Oct. 1994	2,021	+3	124,218	510,546	
	Sept. 1994	1,981	-5	117,838	386,328	
	Oct. 1993	1,959	-9	120,398	509,736	

RESERVOIR STORAGE

	<u>Usable</u>	<u>Oct.</u>	<u>Sept.</u>	<u>Oct.</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	68	123,805	146,054	123,581	224
Lake Skinner	85	37,330	40,931	38,844	(1,514)
<u>Colorado River Basin</u>					
Upper Basin	74	22,886,000	23,037,000	24,984,000	(2,098,000)
Lower Basin	76	21,762,000	21,969,000	23,221,000	(1,459,000)

(See Table E for details.)

State Water Project

Oroville	44	1,556,180	1,653,520	2,628,036	(1,071,856)
San Luis (State)	37	397,314	393,821	1,064,345	(667,031)
Pyramid	94	156,011	155,228	158,577	(2,566)
Castaic	59	178,845	218,032	228,588	(49,743)
Silverwood	90	64,155	64,229	67,335	(3,180)
Perris	84	106,539	106,147	119,183	(12,644)

Central Valley Project

Clair Engle	48	1,167,980	1,204,880	1,915,880	(747,990)
Shasta	43	1,908,410	1,985,810	2,841,210	(932,800)
Folsom	20	204,800	216,900	467,500	(262,700)
New Melones	16	382,300	379,200	682,700	(300,400)
San Luis	23	220,628	97,090	527,628	(307,000)
(federal)					

CONSTRUCTION PROGRESS FOR OCTOBER 1994

Fourteen construction contracts, having a contract value in excess of \$179.3 million, were in progress during the month. Contract earnings under these contracts were \$5,451,156 during the month. Status of these contracts at the end of the month follows:

	<u>Percent Completed</u>	<u>Estimated Completion</u>
Field Office at Domenigoni Valley Reservoir Site	99	November 1994
Calabasas Feeder Relocation	0	December 1994
Cathodic Protection System for West Coast Feeder	47	December 1994
Joseph Jensen Filtration Plant Expansion No. 1	98	December 1994
Domenigoni Valley Reservoir Temporary Visitor Center	30	February 1995
Demolition of Portions of the San Diego Canal	0	February 1995
Construction of Floating Cover for Jensen Finished Water Reservoir No. 2	0	March 1995
Completion of Domenigoni Valley Reservoir High-Water Road	24	March 1995
Jensen Plant Expansion No. 1 Chlorination System	0	March 1995
Seismic Upgrading of CRA Pump House Buildings	7	March 1995
Henry J. Mills Filtration Plant Expansion No. 2	33	October 1996

Three contracts were awarded by the General Manager during the month. First, a contract in the amount of \$84,998 was awarded to Contech Construction Products, Inc., covering the furnishing of corrugated steel for structural plate pipe. American Construction Supply, Inc., was awarded a contract in the amount of \$35,463 covering the construction of electrolysis monitoring stations for Metro Green Line crossings. A third contract was awarded to Advanco Constructors, Inc., covering repairs to the earthquake-damaged effluent conduit at Jensen Reservoir No. 1 in the amount of \$563,121. No construction contracts were completed during the month.

OCTOBER RAINFALL AT LOS ANGELES CIVIC CENTER (INCHES)

During the Month	0.19
Total for Season (Fiscal Year)	0.20
Normal for Season to Date	0.94
Difference From Normal	-0.74
Percent of Normal	21
During Same Month Last Year	0.16
Total for Season (last fiscal yr)	0.16

OCTOBER TEMPERATURES AT LOS ANGELES CIVIC CENTER (DEGREES F)

Average Maximum	79.7
Average Minimum	61.2
Average	70.45
30-Year Normal	66.8

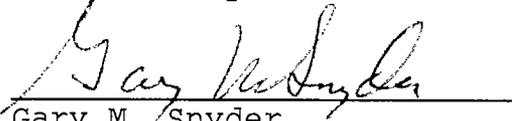
EMPLOYMENTRegular Employees by Division/Department

	<u>Oct. 1993</u>	<u>Oct. 1994</u>	<u>Difference</u>
Engineering	404	453	49
Operations	946	940	- 6
Other Divisions and Departments	<u>717</u>	<u>668</u>	<u>-49</u>
<u>Total Regular Employees</u>	2,067	2,061	- 6
<u>Full-Time Equivalent (FTE) --</u> <u>Temporary Employees*</u>	90	112	22
<u>Total Sunset Employees</u>	124	39	- 85
<u>Total Two Cal Plaza Employees</u>	709	853	144
<u>Minority Applicants</u>	479	439	- 40
<u>Minority New Hires</u>	2	3	1
<u>Non-Minority Applicants</u>	614	470	-144
<u>Non-Minority New Hires</u>	5	5	0

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

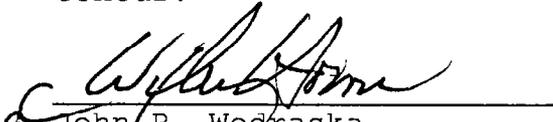
John R. Wodraska
General Manager

Submitted By:



Gary M. Snyder
Chief Engineer

Concur:



John R. Wodraska
General Manager

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

AGENCY	BASIC SERVICE	AGRIC	SPREADING	(NOTE 1) INJECTION	--- SEASONAL STORAGE (NOTE 2) --- RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	3111.9	57.0	0.0	0.0	0.0	2883.4	0.0	0.0	-525.00	2,060,160.40
CITY OF BURBANK	8232.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-384,830.90	2,996,889.00
BEVERLY HILLS	5096.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	2,099,675.60
CITY OF COMPTON	1577.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	649,765.20
CALLEGUAS MWD	35416.8	2246.2	0.0	0.0	-350.8	-11.4	545.5	0.0	0.00	15,263,086.10
CHINO BASIN MWD	18577.8	0.0	0.0	0.0	0.0	909.1	0.0	0.0	0.00	6,437,086.50
CENTRAL BASIN MWD	22179.2	0.0	0.0	1615.8	0.0	2557.4	9433.9	1519.1	0.00	12,379,996.40
COASTAL MWD	27826.8	41.9	0.0	0.0	0.0	45.5	0.0	239.1	0.00	11,452,082.70
EASTERN MWD	23149.2	3481.1	0.0	0.0	0.0	0.0	0.0	377.4	-7,788.00	10,546,428.90
CITY OF FULLERTON	4097.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,692,074.90
FOOTHILL MWD	3321.7	0.0	0.0	0.0	0.0	0.0	0.0	229.0	0.00	1,333,274.40
CITY OF GLENDALE	10917.9	0.0	0.0	0.0	0.0	0.0	0.0	159.1	0.00	4,473,673.40
CITY OF LOS ANGELES	55718.8	0.0	0.0	0.0	2794.0	11255.8	0.0	0.0	0.00	21,981,129.50
CITY OF LONG BEACH	17849.6	0.0	0.0	0.0	0.0	0.0	0.0	545.6	0.00	7,270,012.80
LAS VIRGENES MWD	7726.9	0.0	0.0	0.0	0.0	0.0	0.0	273.0	0.00	3,141,440.80
ORANGE COUNTY MWD	66059.2	2201.8	0.0	0.0	0.0	5619.1	5704.7	6720.7	-190,840.00	29,161,552.30
CITY OF PASADENA	5089.5	0.0	0.0	0.0	0.0	2220.2	0.0	0.0	0.00	2,707,429.00
THREE VALLEYS MWD	29030.2	48.4	0.0	0.0	0.0	0.0	0.0	0.0	56,071.00	11,390,688.30
CITY OF SANTA ANA	5532.7	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.00	2,274,667.60
SAN DIEGO CWA	139022.0	34534.4	0.0	0.0	11732.7	0.0	0.0	1216.5	-253,595.00	63,107,689.30
CITY OF SAN FERNANDO	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	82.40
CITY OF SANTA MONICA	2012.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	829,026.40
CITY OF SAN MARINO	904.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	372,654.00
CITY OF TORRANCE	8385.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	3,454,620.00
SAN GABRIEL VALLEY	2886.7	0.0	0.0	0.0	0.0	0.0	438.5	0.0	0.00	1,286,667.40
WEST BASIN MWD	51154.5	0.0	0.0	9005.5	0.0	2240.7	0.0	0.0	-131,575.00	25,270,541.00
WESTERN MWD	13827.9	13928.0	0.0	0.0	0.0	278.5	0.0	0.0	-119,376.90	8,705,871.80
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,000.00	1,000.00
TOTALS :	568704.4	56552.7	0.0	10621.3	14175.9	27958.3	16122.6	11310.7	-1,031,459.80	

GRAND TOTAL SALES: 705,445.9 ACRE FEET

TOTAL NET INVOICE \$ 252,339,265.10

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 OCTOBER 1994

TABLE B

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	3888.1	5.8	-529.7	0.0	3364.2	0.0	0.0	0.0	0.0	0.0	0.0	3364.2
CITY OF BURBANK	1632.4	0.0	0.0	0.0	1632.4	0.0	0.0	0.0	0.0	0.0	0.0	1632.4
BEVERLY HILLS	1183.3	0.0	0.0	0.0	1183.3	0.0	0.0	0.0	0.0	0.0	0.0	1183.3
CITY OF COMPTON	404.4	0.0	0.0	0.0	404.4	0.0	0.0	0.0	0.0	0.0	0.0	404.4
CALLEJAS MWD	9429.9	661.5	0.0	0.0	10091.4	0.0	0.0	0.0	0.0	0.0	0.0	10091.4
CHINO BASIN MWD	0.0	0.0	0.0	0.0	0.0	4240.5	0.0	0.0	0.0	4240.5	0.0	4240.5
CENTRAL BASIN MWD	6840.1	0.0	0.0	465.9	7306.0	0.0	0.0	8262.6	0.0	8262.6	340.9	15909.5
COASTAL MWD	5904.4	0.0	0.0	0.0	5904.4	0.0	0.0	0.0	0.0	0.0	-52.5	5851.9
EASTERN MWD	2036.7	2870.9	0.0	0.0	4907.6	-384.8	0.0	0.0	0.0	-384.8	150.0	4672.8
CITY OF FULLERTON	648.9	8.2	0.0	0.0	657.1	0.0	0.0	0.0	0.0	0.0	0.0	657.1
FOOTHILL MWD	619.8	0.0	0.0	0.0	619.8	0.0	0.0	0.0	0.0	0.0	37.3	657.1
CITY OF GLENDALE	2317.9	0.0	0.0	0.0	2317.9	0.0	0.0	0.0	0.0	0.0	34.1	2352.0
CITY OF LOS ANGELES	2513.1	0.0	0.0	0.0	2513.1	19040.6	0.0	0.0	0.0	19040.6	0.0	21553.7
CITY OF LONG BEACH	5786.4	0.0	0.0	0.0	5786.4	0.0	0.0	0.0	0.0	0.0	106.9	5893.3
LAS VIRGENES MWD	2047.0	0.0	0.0	0.0	2047.0	0.0	0.0	0.0	0.0	0.0	189.0	2236.0
ORANGE COUNTY MWD	19665.7	319.6	0.0	0.0	19985.3	798.4	113.3	5704.7	0.0	6616.4	1561.9	28163.6
CITY OF PASADENA	742.9	0.0	2220.2	0.0	2963.1	0.0	0.0	0.0	0.0	0.0	0.0	2963.1
THREE VALLEYS MWD	3759.5	0.0	0.0	0.0	3759.5	1944.4	0.0	0.0	0.0	1944.4	0.0	5703.9
CITY OF SANTA ANA	1861.7	0.0	0.0	0.0	1861.7	0.0	0.0	0.0	0.0	0.0	13.9	1875.6
SAN DIEGO CWA	13725.9	6854.3	0.0	0.0	20580.2	21258.2	399.1	179.8	0.0	21837.1	239.4	42656.7
CITY OF SAN FERNANDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CITY OF SANTA MONICA	466.4	0.0	0.0	0.0	466.4	0.0	0.0	0.0	0.0	0.0	0.0	466.4
CITY OF SAN MARINO	250.1	0.0	0.0	0.0	250.1	0.0	0.0	0.0	0.0	0.0	0.0	250.1
CITY OF TORRANCE	1844.4	0.0	0.0	0.0	1844.4	0.0	0.0	0.0	0.0	0.0	0.0	1844.4
SAN GABRIEL VALLEY	567.3	0.0	0.0	0.0	567.3	0.0	0.0	438.5	0.0	438.5	0.0	1005.8
WEST BASIN MWD	12807.0	0.0	0.0	2459.9	15266.9	0.0	0.0	0.0	0.0	0.0	0.0	15266.9
WESTERN MWD	695.2	2049.8	0.0	0.0	2745.0	1029.2	1261.4	0.0	0.0	2290.6	0.0	5035.6
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
TOTAL:	101638.5	12770.1	1690.5	2925.8	119024.9	47926.5	1773.8	14585.6	0.0	64285.9	2620.9	185931.7

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 October 1994
 TABLE B YEAR TO DATE

AGENCY	BASIC SERVICE	AGRIC	SPREADING	INJECTION (NOTE 1)	SEASONAL STORAGE (NOTE 2) RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	AGENCY TOTAL (A.F.)
CITY OF ANAHEIM	3111.9	57.0	0.0	0.0	0.0	2883.4	0.0	0.0	6,052.3
CITY OF BURBANK	8232.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,232.1
BEVERLY HILLS	5096.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,096.3
CITY OF COMPTON	1577.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,577.1
CALLEGUAS MWD	35416.8	2246.2	0.0	0.0	-350.8	-11.4	545.5	0.0	37,846.3
CHINO BASIN MWD	18577.8	0.0	0.0	0.0	0.0	909.1	0.0	0.0	19,486.9
CENTRAL BASIN MWD	22179.2	0.0	0.0	1615.8	0.0	2557.4	9433.9	1519.1	37,305.4
COASTAL MWD	27826.8	41.9	0.0	0.0	0.0	45.5	0.0	239.1	28,153.3
EASTERN MWD	23149.2	3481.1	0.0	0.0	0.0	0.0	0.0	377.4	27,007.7
CITY OF FULLERTON	4097.7	13.9	0.0	0.0	0.0	0.0	0.0	0.0	4,111.6
FOOTHILL MWD	3321.7	0.0	0.0	0.0	0.0	0.0	0.0	229.0	3,550.7
CITY OF GLENDALE	10917.9	0.0	0.0	0.0	0.0	0.0	0.0	159.1	11,077.0
CITY OF LOS ANGELES	55718.8	0.0	0.0	0.0	2796.0	11255.8	0.0	0.0	69,768.6
CITY OF LONG BEACH	17849.6	0.0	0.0	0.0	0.0	0.0	0.0	545.6	18,395.2
LAS VIRGENES MWD	7726.9	0.0	0.0	0.0	0.0	0.0	0.0	273.0	7,999.9
ORANGE COUNTY MWD	66059.2	2201.8	0.0	0.0	0.0	5619.1	5704.7	6720.7	86,305.5
CITY OF PASADENA	5089.5	0.0	0.0	0.0	0.0	2220.2	0.0	0.0	7,309.7
THREE VALLEYS MWD	29030.2	48.4	0.0	0.0	0.0	0.0	0.0	0.0	29,078.6
CITY OF SANTA ANA	5532.7	0.0	0.0	0.0	0.0	0.0	0.0	31.2	5,563.9
SAN DIEGO CWA	139022.0	34534.4	0.0	0.0	11732.7	0.0	0.0	1216.5	186,505.6
CITY OF SAN FERNANDO	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CITY OF SANTA MONICA	2012.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,012.2
CITY OF SAN MARINO	904.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	904.5
CITY OF TORRANCE	8385.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,385.0
SAN GABRIEL VALLEY	2886.7	0.0	0.0	0.0	0.0	0.0	438.5	0.0	3,325.2
WEST BASIN MWD	51154.5	0.0	0.0	9005.5	0.0	2200.7	0.0	0.0	62,360.7
WESTERN MWD	13827.9	13928.0	0.0	0.0	0.0	278.5	0.0	0.0	28,034.4
SPC COMT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS :	568704.4	56552.7	0.0	10621.3	14175.9	27958.3	16122.6	11310.7	

GRAND TOTAL SALES (A.F.) 705,445.9

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.

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

AGENCY	---BASIC--- SERVICE	TREATED AGRIC	----- SEASONAL	(NOTE 1)- GWR	DOLLAR AMOUNT	---BASIC--- SERVICE	UNTREATED AGRIC	----- SEASONAL	(NOTE 1)- GWR	DOLLAR AMOUNT	RECLAIMED	(NOTE 2) SPECIAL	TOT DOLLAR (\$) AMOUNT
CITY OF ANAHEIM	1587595	1595	-134014	0	1455176	0	0	0	0	0	0	0	1455176
CITY OF BURBANK	672548	0	0	0	672548	0	0	0	0	0	0	-105224	567324
PEVERLY HILLS	487519	0	0	0	487519	0	0	0	0	0	0	0	487519
CITY OF COMPTON	166612	0	0	0	166612	0	0	0	0	0	0	0	166612
CALLEJAS MWD	3885118	181912	0	0	4067031	0	0	0	0	0	0	0	4067031
CHINO BASIN MWD	0	0	0	0	0	1420567	0	0	0	1420567	0	0	1420567
CENTRAL BASIN MWD	2818121	0	0	191958	3010072	0	0	1834297	0	1834297	-52498	0	4791870
COASTAL MWD	2432612	0	0	0	2432612	0	0	0	0	0	8085	0	2440697
EASTERN MWD	839120	789497	0	0	1628617	-128908	0	0	0	-128908	-23100	0	1476609
CITY OF FULLERTON	267346	2255	0	0	269601	0	0	0	0	0	0	0	269601
FOOTHILL MWD	255357	0	0	0	255357	0	0	0	0	0	-5744	0	249613
CITY OF GLENDALE	954974	0	0	0	954974	0	0	0	0	0	-5251	0	949723
CITY OF LOS ANGELES	1035397	0	0	0	1035397	6378601	0	0	0	6378601	0	0	7413998
CITY OF LONG BEACH	2383996	0	0	0	2383996	0	0	0	0	0	-16462	0	2367534
LAS VIRGENES MWD	843364	0	0	0	843364	0	0	0	0	0	-29106	0	814258
ORANGE COUNTY MWD	8102268	87890	0	0	8190158	267464	25152	1266443	0	1559060	-240532	0	9508685
CITY OF PASADENA	306074	0	610555	0	916629	0	0	0	0	0	0	0	916629
THREE VALLEYS MWD	1548914	0	0	0	1548914	651374	0	0	0	651374	0	-1540	2198748
CITY OF SANTA ANA	767020	0	0	0	767020	0	0	0	0	0	-2140	0	764879
SAN DIEGO IWD	5658367	1881635	0	0	7540003	7124550	88683	37398	0	7250552	-36867	-48110	14705577
CITY OF SAN FERNANDO	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF SANTA MONICA	192156	0	0	0	192156	0	0	0	0	0	0	0	192156
CITY OF SAN MARINO	103041	0	0	0	103041	0	0	0	0	0	0	0	103041
CITY OF TORRANCE	759892	0	0	0	759892	0	0	0	0	0	0	0	759892
SAN GABRIEL VALLEY	233727	0	0	0	233727	0	0	97347	0	97347	0	0	331074
WEST BASIN MWD	5276484	0	0	1613478	6289962	0	0	0	0	0	0	-34950	6255012
WESTERN MWD	286422	563695	0	0	850117	344782	280030	0	0	624812	0	0	1474930
SPC CONT	0	0	0	0	0	0	0	0	0	0	0	250	250
TOTAL:	41864056	3508480	476540	1205429	\$47054508	16058430	393787	3235486	0	\$19687703	-403618	-189575	\$66149018

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

AGENCY	BASIC SERVICE	AGRIC	SPREADING	(NOTE 1) INJECTION	[--- SEASONAL STORAGE (NOTE 2) ---] RESERVOIR	IN-LIEU	SPREADING	RECLAIMED	(NOTE 3) SPECIALS (\$)	DOLLAR AMOUNT
CITY OF ANAHEIM	3888.1	5.8	0.0	0.0	0.0	-529.7	0.0	0.0	0.00	1,455,176.20
CITY OF BURBANK	1632.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-105,224.80	567,324.00
BEVERLY HILLS	1183.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	487,519.60
CITY OF COMPTON	404.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	166,612.80
CALLEGUAS MWD	9429.9	661.5	0.0	0.0	0.0	0.0	0.0	0.0	0.00	4,067,031.30
CHINO BASIN MWD	4240.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,420,567.50
CENTRAL BASIN MWD	6840.1	0.0	0.0	465.9	0.0	0.0	8262.6	340.9	0.00	4,791,870.60
COASTAL MWD	5904.4	0.0	0.0	0.0	0.0	0.0	0.0	-52.5	0.00	2,440,697.80
EASTERN MWD	1651.9	2870.9	0.0	0.0	0.0	0.0	0.0	150.0	0.00	1,476,609.90
CITY OF FULLERTON	648.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00	269,601.80
FOOTHILL MWD	619.8	0.0	0.0	0.0	0.0	0.0	0.0	37.3	0.00	249,613.40
CITY OF GLENDALE	2317.9	0.0	0.0	0.0	0.0	0.0	0.0	34.1	0.00	949,723.40
CITY OF LOS ANGELES	21553.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	7,413,998.20
CITY OF LONG BEACH	5786.4	0.0	0.0	0.0	0.0	0.0	0.0	106.9	0.00	2,367,534.20
LAS VIRGENES MWD	2047.0	0.0	0.0	0.0	0.0	0.0	0.0	189.0	0.00	814,258.00
ORANGE COUNTY MWD	20464.1	432.9	0.0	0.0	0.0	0.0	5704.7	1561.9	0.00	9,508,685.80
CITY OF PASADENA	742.9	0.0	0.0	0.0	0.0	2220.2	0.0	0.0	0.00	916,629.80
THREE VALLEYS MWD	5703.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1,540.00	2,198,748.00
CITY OF SANTA ANA	1861.7	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.00	764,879.80
SAN DIEGO CWA	34984.1	7253.4	0.0	0.0	179.8	0.0	0.0	239.4	-48,110.40	14,705,577.50
CITY OF SAN FERNANDO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
CITY OF SANTA MONICA	466.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	192,156.80
CITY OF SAN MARINO	250.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	103,041.20
CITY OF TORRANCE	1844.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	759,892.80
SAN GABRIEL VALLEY	567.3	0.0	0.0	0.0	0.0	0.0	438.5	0.0	0.00	331,074.60
WEST BASIN MWD	12807.0	0.0	0.0	2459.9	0.0	0.0	0.0	0.0	-34,950.00	6,255,012.80
WESTERN MWD	1724.4	3311.2	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,474,930.20
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
TOTALS :	149565.0	14543.9	0.0	2925.8	179.8	1690.5	14405.8	2620.9	-189,575.20	

GRAND TOTAL SALES: 185,931.7 ACRE FEET

TOTAL NET INVOICE \$ 66,149,018.00

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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The Metropolitan Water District of Southern California

TABLE D

MONTHLY ANALYSES OF THE DISTRICT WATER SUPPLIES--SEPTEMBER 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	→	9/6/94	9/6/94	9/6/94	Sep-94	9/6/94	9/6/94	Sep-94	Sep-94	Sep-94	Sep-94	Sep-94	Sep-94	Sep-94
SILICA	SiO ₂ mg/L	8.9	8.9	8.1	17.5	11.7	2.1	10.3	10.5	10.4	17.3	10.2	10.3	13.5
CALCIUM	Ca mg/L	79	78	76	36	23	29	71	72	72	36	70	70	23
MAGNESIUM	Mg mg/L	30	30	31	16	13	19.5	28.5	29	29.5	16	28.5	28.5	14
SODIUM	Na mg/L	107	108	109	57	63	95	102	105	106	60	103	100	64
POTASSIUM	K mg/L	4.8	5.1	4.9	3.0	3.1	4.7	4.6	4.7	4.8	2.9	4.6	4.7	3.2
CARBONATE	CO ₃ mg/L	0	1	2	0	0	4	1	0	0	0	0	0	0
BICARBONATE	HCO ₃ mg/L	159	154	144	115	98	129	146	139	140	121	146	149	94
SULFATE	SO ₄ mg/L	289	282	294	89	61	59	262	270	280	89	262	260	56
CHLORIDE	Cl mg/L	94	93	97	66	75	132	95	99	98	69	98	95	87
NITRATE	NO ₃ mg/L	0.70	0.89	0.27	2.86	1.75	0.05	0.28	0.48	0.55	2.84	0.27	0.27	1.71
FLUORIDE	F mg/L	0.34	0.28	0.28	0.18	0.13	0.14	0.28	0.20	0.20	0.16	0.23	0.22	0.12
BORON	B mg/L	0.15	0.13	0.14	0.27	0.22	0.24	0.16	0.15	0.14	0.31	0.15	0.16	0.23
TOTAL DISSOLVED SOLIDS	TDS mg/L	693	684	695	345	300	410	648	660	672	354	650	643	310
TOTAL HARDNESS AS CaCO ₃	mg/L	321	318	317	156	111	153	295	299	301	156	292	292	115
TOTAL ALKALINITY AS CaCO ₃	mg/L	130	128	122	94	80	112	122	114	115	99	120	122	77
FREE CARBON DIOXIDE	CO ₂ mg/L	1.3	1.0	0.8	3.6	1.1	0.6	1.1	1.8	2.1	1.1	3.6	1.4	0.8
H ⁺ CONCENTRATION	pH	8.31	8.41	8.50	7.72	8.17	8.58	8.35	8.11	8.04	8.25	7.83	8.25	8.27
SPECIFIC CONDUCTANCE	µmho/cm	1084	1073	1087	587	534	764	1022	1047	1051	600	1027	1025	555
COLOR	CU	--	--	--	--	--	--	--	2	1	3	2	2	3
FILTER EFFLUENT TURBIDITY	NTU	--	--	--	--	--	--	--	0.07	0.09	0.08	0.07	--	0.07
TURBIDITY	NTU	1.3	0.56	0.58	0.43	1.4	0.38	2.0	0.06	0.09	0.08	0.07	0.07	0.07
TEMPERATURE	°C	26	28	26	18	23	26	26	25	26	18	26	27	24
BROMIDE	Br mg/L	0.09	0.09	0.09	0.20	0.23	0.41	0.04	--	--	--	--	--	--
TOTAL ORGANIC CARBON	TOC mg/L	2.69	3.23	2.80	2.84	3.21	3.77	2.88	2.72	2.77	2.77	2.92	2.72	3.08
TOTAL TRIHALOMETHANES	TTHMs µg/L	--	--	--	--	--	--	--	60	57	78	59	60	93
PCT. STATE PROJECT WATER	%SPW %	0	0	0	100	100	100	11	9	7	100	11	11	100

TABLE E, GENERAL MANAGER'S MONTHLY REPORT

Oct 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 Oct 1993
<u>Upper Basin</u>					
Fontenelle	214	62	19	(19)	(91)
Flaming Gorge	2,866	76	2,633	(21)	(586)
Blue Mesa	601	72	520	(14)	(90)
Morrow Point	111	95	36	(1)	(2)
Crystal	17	97	6	1	2
Navajo	1,392	82	---	(9)	(225)
Powell	17,685	73	13,688	(88)	(1,106)
Subtotal	22,886	74	16,902	(151)	(2,098)
<u>Lower Basin</u>					
Mead	19,852	76	9,828	(78)	(1,376)
Mohave	1,364	75	1,147	(104)	(80)
Havasu	546	88	107	(25)	(3)
Subtotal	21,762	76	11,082	(207)	(1,459)
Basin Total	44,648	75	27,984	(358)	(3,557)

* Numbers within () are negative numbers.

TABLE F

**FINANCIAL SUMMARY
FISCAL YEAR 1994-95
CASH BASIS
(in Millions)**

July 1994 through October 1994

Projected for the Year

	<u>July 1994 through October 1994</u>			<u>Projected for the Year</u>		
	<u>ACTUAL THRU OCTOBER 1994</u>	<u>BUDGET THRU OCTOBER 1994</u>	<u>VARIANCE DOLLARS + / (-)</u>	<u>PROJECTED YEAR-END</u>	<u>ANNUAL BUDGET</u>	<u>VARIANCE DOLLARS + / (-)</u>
RECEIPTS						
WATER SALES	\$246.9	\$215.8	\$31.1	\$650.0	\$615.6	\$34.4
TAXES	9.5	10.5	(1.0)	77.6	87.7	(10.1)
INTEREST	12.4	10.2	2.2	26.1	24.0	2.1
POWER RECOVERIES	6.6	3.6	3.0	21.0	18.0	3.0
WATER STANDBY CHARGE	3.5	0.5	3.0	50.0	50.0	0.0
OTHER RECEIPTS	<u>1.9</u>	<u>0.2</u>	<u>1.7</u>	<u>2.4</u>	<u>0.7</u>	<u>1.7</u>
	\$280.8	\$240.8	\$40.0	\$827.2	\$796.0	\$31.2
EXPENDITURES						
STATE WATER CONTRACT	\$68.6	\$153.1	\$84.5	\$245.1	\$297.1	\$52.0
WATER TRANSFERS\OPTIONS	0.0	0.0	0.0	24.0	24.0	0.0
COLORADO RIVER SUPPLIES	17.6	28.5	10.9	65.8	85.0	19.2
MWD CAPITAL PROGRAM	93.4	90.5	(2.9)	228.4	227.2	(1.2)
MWD O&M	<u>71.6</u>	<u>78.3</u>	<u>6.7</u>	<u>221.8</u>	<u>228.6</u>	<u>6.8</u>
	\$251.2	\$350.4	\$99.2	\$785.2	\$861.9	\$76.7
INCREASE (DECREASE) in CASH and INVESTMENTS	<u>\$29.6</u>	<u>(\$109.5)</u>	<u>\$139.1</u>	<u>\$42.0</u>	<u>(\$65.9)</u>	<u>\$107.9</u>

Minor differences are due to rounding.

ACRE-FEET SALES IN THOUSANDS

	<u>ACTUAL</u>	<u>BUDGETED</u>	<u>DIFFERENCE</u>
May Through August Deliveries	749.2	641.0	108.2
September Deliveries	155.9	145.2	10.7
October Deliveries	185.9	192.6	(6.7)

The Metropolitan Water District of Southern California

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

October 1994

SUMMARY OF PROGRESS

	<u>Construction Contracts</u>	<u>Procurement Contracts</u>
Number of Contracts	14	1
Total Bid Amount of Contracts in Progress	\$ 179,961,221	\$ 6,670,000
Number of Contracts Awarded this Month	3	0
Total Bid Amount of Contracts Awarded this Month	683,582	0
Contract Gross Earnings this Month	5,451,156	0

The following contracts were awarded this month:

Contract No. 1430, in the amount of \$84,998, was awarded to Contech Construction Products, Inc., to furnish and deliver corrugated structural steel pipe to Winchester, California.

Contract No. 1431, in the amount of \$35,463, was awarded to American Construction and Supply, Inc., to install ten electrolysis monitoring stations at Metro Green Line crossings.

Contract No. 1433, in the amount of \$563,121, was awarded to Advanco Constructors, Inc., for earthquake repair of the effluent conduit at the Jensen Filtration Plant Reservoir No. 1.

No construction contracts were completed this month.

No procurement contracts were awarded or completed this month.

A tabular summary of current construction contracts is included on pages 3 and 4 of this report. Details of the status of current construction contracts are shown on pages 7 through 20 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 5 of this report.

A tabular summary of procurement contracts is included on page 6 of this report.

CONTENTS

<u>DESCRIPTION</u>	<u>PAGE</u>
Summary of Construction Contracts	3-4
Summary of Construction Contracts Completed During the Month	5
Summary of Procurement Contracts	6
Jensen Plant Expansion No. 1 Specs. No. 1200--Contract No. 1393	7
Jensen Plant Expansion No. 1 Chlorination System Specs. No. 1283--Contract No. 1425.	8
Floating Cover for the Jensen Finished Water Reservoir No. 2 Specs. No. 1259--Contract No. 1429.	9
Jensen Reservoir No. 1 Effluent Conduit Earthquake Repair Specs. No. 1303--Contract No. 1433.	10
Henry J. Mills Filtration Plant Expansion No. 2 Specs. No. 1238A--Contract No. 1418	11
Completion of Domenigoni Valley Reservoir High-Water Road Specs. No. 1284--Contract No. 1426.	12
Field Office at Domenigoni Valley Reservoir Site Specs. No. 1264--Contract No. 1421.	13
Domenigoni Valley Reservoir Temporary Visitor Center Specs. No. 1265--Contract No. 1424	14
Demolition of Portions of the San Diego Canal Specs. No. 1286--Contract No. 1428	15
Calabasas Feeder Relocation Specs. No. 1271--Contract No. 1422	16
Cathodic Protection System for West Coast Feeder Specs. No. 1269--Contract No. 1423	17
Seismic Upgrade of CRA Pump House Buildings Specs. No. 1227--Contract No. 1427.	18
Furnish Corrugated Structural Steel Pipe Specs. No. 1297--Contract No. 1430	19
Electrolysis Monitoring Stations at Metro Green Line Crossings Specs. No. 1289--Contract No. 1431	20

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	\$1,542,510	\$104,887,262	09/05/91	10/25/94	12/94	98	100
1425	1283	Jensen Plant Expansion No. 1 Chlorination System	Pascal & Ludwig Engineers	872,000	0	0	09/09/94	03/20/95	03/95	0	10
1429	1259	Floating Cover for the Jensen Finished Water Reservoir No. 2	Serrot Corporation	817,000	0	0	10/27/94	03/22/95	03/95	0	0
1433	1303	Jensen Reservoir No. 1 Effluent Conduit Earthquake Repair	Advanco Constructors, Inc.	563,121	-	-	-	-	-	-	-
1418	1238 A	Henry J. Mills Filtration Plant Expansion No. 2	M. A. Mortenson Company	69,943,000	3,538,685	22,854,226	10/07/93	10/01/96	10/96	33	35
1421	1264	Field Office at Domenigoni Valley Reservoir Site	Inland Asphalt and Coating and Space Leasing Co., Inc., a Joint Venture	1,232,351	50,520	1,285,990	01/06/94	08/22/94	11/94	99	100
1426	1284	Completion of Domenigoni Valley Reservoir High-Water Road	Calex Engineering Company	692,600	125,538	165,541	08/25/94	03/31/95	03/95	24	10
1424	1265	Domenigoni Valley Reservoir Temporary Visitor Center	Wakeham-Baker, Inc.	420,420	17,578	124,925	06/24/94	02/13/95	02/95	30	53
1428	1286	Demolition of portion of San Diego Canal	Iconco, Inc.	591,235	0	0	10/21/94	02/16/95	02/95	0	0

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
1422	1271	Calabasas Feeder Relocation	Pascal & Ludwig Engineers	1,230,000	0	0	04/12/94	11/29/94	12/94	0	25
1423	1269	Cathodic Protection for West Coast Feeder	American Construction and Supply, Inc.	295,033	121,652	137,724	07/11/94	12/01/94	12/94	47	77
1427	1227	Seismic Upgrading of CRA Pump House Buildings	J.W. Contracting Corporation	1,198,000	54,673	87,523	08/22/94	09/29/95	09/95	7	16
1430	1297	Furnish Corrugated Structural Steel Pipe	Contech Construction Products, Inc.	84,998	-	-	-	-	-	-	-
1431	1289	Electrolysis Monitoring Stations for Metro Green Line Crossings	American Construction Supply, Inc.	35,463	-	-	-	-	-	-	-

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

NOTE: There were no construction contracts completed by the various prime contractors, or accepted by District personnel during the month of October 1994.

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
1408	1230	Etiwanda Power Plant	Advanco Constructors	\$3,820,000	4,154,756	02-09-94	02-17-94	03-24-94

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	0	\$1,188,360	3/12/92	—	

The Metropolitan Water District of Southern California
MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Joseph Jensen Filtration Plant--Expansion No. 1		
CONTRACTOR	Hyman/JWP West, A Joint Venture		
SPECIFICATIONS NO.	1200	BID	\$ 101,986,000
CONTRACT NO.	1393	EXTRA WORK TO DATE	1,344,104
CONTRACT STARTING DATE	September 5, 1991	EARNINGS THIS MONTH	1,542,510
CONTRACT COMPLETION DATE	October 25, 1994	EARNINGS TO DATE	104,887,262
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	98
		PERCENT CONTRACT TIME ELAPSED	100

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

Forming of cost-in-place lids for the concrete piping continued. Concrete repair work continued in module No. 3 and the finished water reservoir No. 2.

Installation of piping and pipe supports continued in module No. 3. Installation of the polymer feed system continued at the dry polymer building. Installation of the overflow pipeline extensions for finished water reservoir No. 2 and module No. 3 continued.

Installation of conduit, pull boxes, lighting fixtures, embedded conduit, and ground wire continued in module No. 3. Installation of wiring continued in miscellaneous structures throughout the jobsite.

Installation and backwashing of filter media continued in the module No. 3 filters.

Start-up and testing of flocculators and functional testing of travelling bridges in basins Nos. 11 and 12 continued.

Painting and coating of miscellaneous metal, piping, handrails, and mechanical equipment continued throughout the jobsite.

Contractor personnel, including employees of subcontractors, averaged 96 persons during the month of October 1994.

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Joseph Jensen Filtration Plant Expansion No. 1 Chlorination System		
CONTRACTOR	Pascal & Ludwig Engineers		
SPECIFICATIONS NO.	1283	BID	\$ 872,000
CONTRACT NO.	1425	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	September 9, 1994	EARNINGS THIS MONTH	0
CONTRACT COMPLETION DATE	March 20, 1995	EARNINGS TO DATE	0
ESTIMATED COMPLETION DATE	March 1995	ESTIMATED PERCENT COMPLETE	0
		PERCENT CONTRACT TIME ELAPSED	10

SCOPE OF WORK

Construction of a new chlorine building to house chlorinators and evaporators, piping penetration through the existing influent cross tunnel, a pipe trench for chlorine gas vacuum lines, sitework piping, mechanical equipment, electrical work, and appurtenant work for the Joseph Jensen Filtration Plant at 13100 Balboa Boulevard, Granada Hills, California.

CONSTRUCTION PROGRESS

The contractor continued to submit required shop drawings, specifications, and catalog data sheets for District review and approval prior to the start of construction operations.

No field work has been started to date.

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Floating Cover for the Jensen Finished Water Reservoir No. 2		
CONTRACTOR	Serrot Corporation		
SPECIFICATIONS NO.	1259	BID	\$ 817,000
CONTRACT NO.	1429	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	October 27, 1994	EARNINGS THIS MONTH	0
CONTRACT COMPLETION DATE	March 22, 1995	EARNINGS TO DATE	0
ESTIMATED COMPLETION DATE	March 1995	ESTIMATED PERCENT COMPLETE	0
		PERCENT CONTRACT TIME ELAPSED	0

SCOPE OF WORK

Construction of approximately 350,000 square feet of Hypalon floating cover and appurtenant work for the newly constructed Finished Water Reservoir No. 2 at the Joseph Jensen Filtration Plant located at 13100 Balboa Boulevard, Granada Hills, California.

CONSTRUCTION PROGRESS

The Notice to Proceed was mailed to the contractor on October 25, 1994.

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Jensen Reservoir No. 1 Effluent Conduit Earthquake Repair		
CONTRACTOR	Advanco Constructors, Inc.		
SPECIFICATIONS NO.	1303	BID	\$ 563,121
CONTRACT NO.	1433	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	-

SCOPE OF WORK

Excavate, demolish, and dispose of approximately 55 feet of 10-foot by 12-foot existing reinforced concrete conduit damaged during the January 1994 Northridge earthquake; and reconstruct a new reinforced concrete conduit of the same dimensions at the Jensen Reservoir No. 1 effluent conduit.

CONSTRUCTION PROGRESS

The Notice of Award was mailed to the contractor on October 25, 1994.

The contract was awarded by the General Manager.

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Henry J. Mills Filtration Plant Expansion No. 2		
CONTRACTOR	M. A. Mortenson Company		
SPECIFICATIONS NO.	1238A	BID	\$ 69,943,000
CONTRACT NO.	1418	EXTRA WORK TO DATE	50,223
CONTRACT STARTING DATE	October 7, 1993	EARNINGS THIS MONTH	3,538,685
CONTRACT COMPLETION DATE	October 1, 1996	EARNINGS TO DATE	22,854,226
ESTIMATED COMPLETION DATE	October 1996	ESTIMATED PERCENT COMPLETE	33
		PERCENT CONTRACT TIME ELAPSED	35

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

Erection of forms, installation of reinforcing steel and embedded items, and placement of concrete continued for the filters in modules Nos. 3 and 4, the emergency generator building, the electrical equipment buildings, the reclaimed washwater pump station, and the reclamation basins.

Blasting operations continued at various locations throughout the jobsite. Placement of crushed rock continued at module No. 3. Excavation for the chemical tunnels continued in the vicinity of modules Nos. 1 and 2.

Installation and lining of large diameter piping continued throughout the jobsite.

Installation of the electrical control panel at the reservoir No. 2 outlet structure began.

Contractor personnel, including employees of subcontractors, averaged 200 persons during the month of October 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Completion of Domenigoni Valley Reservoir High-Water Road		
CONTRACTOR	Calex Engineering Company		
SPECIFICATIONS NO.	1284	BID	\$ 692,600
CONTRACT NO.	1426	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	August 25, 1994	EARNINGS THIS MONTH	125,538
CONTRACT COMPLETION DATE	March 31, 1995	EARNINGS TO DATE	165,541
ACTUAL COMPLETION DATE	March 1995	ESTIMATED PERCENT COMPLETE	24
		PERCENT CONTRACT TIME ELAPSED	10

SCOPE OF WORK

Time and material contract to complete sections of an existing high-water road in the Domenigoni Valley, along mountainous terrain requiring cutting the mountain slope to create a road, and placing fill to stabilize the road embankment located at Hemet, California.

CONSTRUCTION PROGRESS

Two additional pipe connections were installed at the San Diego Canal turnout structure for filling of water trucks.

Two access roads have been cut from the high-water road to Newport Road.

Construction of the high-water road continued at two locations. Approximately 6,770 feet of road was completed.

Contractor personnel, including employees of subcontractors, averaged 12 persons during the month of October 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Field Office at Domenigoni Valley Reservoir Site		
CONTRACTOR	Inland Asphalt and Coating, and Leasing Co., Inc., a Joint Venture		
SPECIFICATIONS NO.	1264	BID	\$1,232,351
CONTRACT NO.	1421	EXTRA WORK TO DATE	69,009
CONTRACT STARTING DATE	January 6, 1994	EARNINGS THIS MONTH	50,520
CONTRACT COMPLETION DATE	August 22, 1994	EARNINGS TO DATE	1,285,990
ESTIMATED COMPLETION DATE	November 1994	ESTIMATED PERCENT COMPLETE	99
		PERCENT CONTRACT TIME ELAPSED	10

SCOPE OF WORK

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

CONSTRUCTION PROGRESS

The District accepted the interior portion of the modular building on October 13, 1994, to allow for telephone and partition installations.

Work continued on correction and/or repair of punchlist items on the exterior of the modular building.

Installation of the core storage building's interior lining began. Installation of the lighting system for the core storage building was completed.

Contractor personnel, including employees of subcontractors, averaged seven persons during the month of October 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Domenigoni Valley Reservoir Temporary Visitor Center		
CONTRACTOR	Wakeham-Baker, Inc.		
SPECIFICATIONS NO.	1265	BID	\$420,420
CONTRACT NO.	1424	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	June 24, 1994	EARNINGS THIS MONTH	17,578
CONTRACT COMPLETION DATE	February 13, 1995	EARNINGS TO DATE	124,925
ESTIMATED COMPLETION DATE	February 1995	ESTIMATED PERCENT COMPLETE	30
		PERCENT CONTRACT TIME ELAPSED	53

SCOPE OF WORK

Design, fabrication, and installation of a modular building (commercial coach) including all plumbing, electrical, HVAC, and appurtenances. Work also involves sitework, foundation, earthwork, parking lot, septic system, trash enclosure, and water, electrical, and telephone lines all located on Newport Road, seven miles east on Highway 79, in City of Hemet, California.

CONSTRUCTION PROGRESS

An agreement has been reached with the City of Hemet regarding final modifications to the site plan. These plans have been revised and resubmitted for their final review.

The contractor continued to submit shop drawings, specification sheets, and catalog cut sheets for District review and approval.

Line grading of the base and installation of asphalt concrete paving for various portions of the parking lot are in progress.

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

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	San Diego Canal Demolition Station 702+20± to Station 782+84±		
CONTRACTOR	Iconco, Inc.		
SPECIFICATIONS NO.	1286	BID	\$591,235
CONTRACT NO.	1428	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	October 21, 1994	EARNINGS THIS MONTH	0
CONTRACT COMPLETION DATE	February 16, 1995	EARNINGS TO DATE	0
ESTIMATED COMPLETION DATE	February 1995	ESTIMATED PERCENT COMPLETE	0
		PERCENT CONTRACT TIME ELAPSED	0

SCOPE OF WORK

Demolishing, removing, and disposing of concrete lining, two pipeline siphons, two box conduit siphons, and a service connection structure and other related work on the San Diego Canal at Domenigoni Valley near Hemet, California.

CONSTRUCTION PROGRESS

The Notice to Proceed was mailed to the contractor on October 19, 1994.

No field work has been started to date.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Calabasas Feeder Relocation Station 471+86 to Station 482+89.23		
CONTRACTOR	Pascal & Ludwig Engineers		
SPECIFICATIONS NO.	1271	BID	\$1,230,000
CONTRACT NO.	1422	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	April 12, 1994	EARNINGS THIS MONTH	0
CONTRACT COMPLETION DATE	November 29, 1994	EARNINGS TO DATE	0
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	0
		PERCENT CONTRACT TIME ELAPSED	25

SCOPE OF WORK

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

CONSTRUCTION PROGRESS

Fabrication of the required 59-inch-diameter welded steel pipe was continued by the pipe fabricator.

The contractor continued to submit required shop drawings and catalog sheets for District review and approval.

Mobilization of field office facilities, construction equipment, and personnel began.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Cathodic Protection System for West Coast Feeder		
CONTRACTOR	American Construction and Supply, Inc.		
SPECIFICATIONS NO.	1269	BID	\$ 295,033
CONTRACT NO.	1423	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	July 11, 1994	EARNINGS THIS MONTH	121,652
CONTRACT COMPLETION DATE	December 1, 1994	EARNINGS TO DATE	137,724
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	47
		PERCENT CONTRACT TIME ELAPSED	47

SCOPE OF WORK

Furnish and install deep-well anode ground-bed cathodic protection stations at seven sites along the existing West Coast Feeder pipeline in the cities of Los Angeles, South Gate, Lynwood, Compton, and Hawthorne, all in Los Angeles County.

CONSTRUCTION PROGRESS

Installation of the cathodic protection systems at Sites No. 6 and 7 was completed, except for setting the rectifier and meter pedestal cabinet and final asphalt patching.

Excavation and conduit installation were in progress at Sites Nos. 2 and 4. Drilling and backfilling of the anode well at each of these sites has been completed.

Contractor personnel, including employees of subcontractors, averaged seven persons during the month of October 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Seismic Upgrade of CRA Pump House Buildings		
CONTRACTOR	J. W. Contracting Corporation		
SPECIFICATIONS NO.	1227	BID	\$1,198,000
CONTRACT NO.	1427	EXTRA WORK TO DATE	0
CONTRACT STARTING DATE	August 22, 1994	EARNINGS THIS MONTH	54,673
CONTRACT COMPLETION DATE	September 29, 1995	EARNINGS TO DATE	87,523
ESTIMATED COMPLETION DATE	September 1995	ESTIMATED PERCENT COMPLETE	7
		PERCENT CONTRACT TIME ELAPSED	16

SCOPE OF WORK

Construction of modifications to three existing pumping plant buildings for improved seismic resistance consisting of furnishing and installing reinforced concrete buttresses, and appurtenant work at Eagle Mountain, Hinds, and Iron Mountain pumping plants.

CONSTRUCTION PROGRESS

Core drilling of all 1 1/2-inch and 5-inch-diameter holes for buttresses Nos. 6 through 12 was completed at the Hinds Pumping Plant.

Surface preparation of the exterior wall above grade to join new concrete to existing concrete was completed for buttresses Nos. 2 and 13, and was started at buttresses Nos. 3 and 4.

Removal of all four existing pilaster supports below grade and adjacent to buttresses Nos. 8 and 9 was completed this month.

Contractor personnel, including employees of subcontractors, averaged four persons during the month of October 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Furnish Corrugated Structural Steel Pipe		
CONTRACTOR	Contech Construction Products, Inc.		
SPECIFICATIONS NO.	1297	BID	\$84,998
CONTRACT NO.	1430	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	—

SCOPE OF WORK

Furnish approximately 350 feet of 174-inch diameter corrugated steel for structural plate pipe with coal-tar epoxy coating, including all accessory fittings to be delivered to Winchester, California.

CONSTRUCTION PROGRESS

The Notice of Award was mailed to the contractor on October 4, 1994.

The contract was awarded by the General Manager.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

October 1994

CONSTRUCTION OF	Electrolysis Monitoring Stations for Metro Green Line Crossing		
CONTRACTOR	American Construction Supply, Inc.		
SPECIFICATIONS NO.	1289	BID	\$35,463
CONTRACT NO.	1431	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	—

SCOPE OF WORK

Construction of electrolysis monitoring stations at Metro Green Line Crossing located within the cities of Los Angeles, Paramount, Lynwood, Hawthorne, and Downey, California.

CONSTRUCTION PROGRESS

The Notice of Award was mailed to the contractor on October 18, 1994.

The contract was awarded by the General Manager.

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