

NOV - 8 1994

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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[Signature]
 EXECUTIVE SECRETARY

October 25, 1994

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

The following tables contain September 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

	Sept. 1994 AF	Aug. 1994 AF	Sept. 1993 AF	Total Fiscal Year to Date AF
TOTAL WATER SALES	155,898	185,404	176,674	519,515
REVENUE	\$56,622,192	\$68,050,788	\$59,237,284	\$186,190,247
BASIC SERVICE	131,833	160,886	142,559	419,140
AGRICULTURAL	18,510	12,861	608	42,009
SPREADING	0	0	0	0
BARRIER INJECTION	2,666	4,197	2,760	7,695
SEASONAL STORAGE				
Spreading	629	0	7,041	1,717
Reservoir Storage	(1,083)	650	0	13,996
In-Lieu	89	3,516	21,843	26,268
RECLAIMED	3,254	3,294	1,863	8,690
TREATED	112,440	128,809	121,222	363,773
UNTREATED	40,204	53,301	53,589	147,052

(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 September 30, 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	51,446,682	51,447,000	51,446,680
Minimum	22,426,608	22,479,000	22,430,167
Power	48,021,184	27,767,000	28,979,327
Credits	<u>Not Applicable</u>	<u>0</u>	<u>(48,804,673)</u>
Total	<u>\$121,894,474</u>	<u>\$101,693,000</u>	<u>\$54,051,501</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; and to return by the California Department of Water Resources of excess historical Replacement Reserve deposits with interest.

POWER FOR PUMPING

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

<u>Colorado River Energy</u>	<u>Kwh</u>
Hoover Power Plant	78,754,000
Parker Power Plant	<u>17,104,000</u>
Subtotal	95,858,000
Southern California Edison (SCE)	
Benefit Energy	23,306,236
SCE Exchange Energy	2,290,000
SCE Purchased Energy	61,588,000
California Department of Water Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>30,504,000</u>
Total Generated for Metropolitan Colorado River Aqueduct (CRA)	213,546,236
Power Available to DWR	0
CRA Power Available to SCE	0

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

PLANT	Sept. 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	3,072,000	9,918,000	142,448.64	459,897.66
Foothill Feeder	4,956,000	15,528,000	229,809.72	720,033.36
San Dimas	2,061,000	7,731,000	95,568.57	358,486.47
Yorba Linda	<u>2,730,000</u>	<u>8,622,000</u>	<u>126,590.10</u>	<u>399,802.14</u>
Subtotal	12,819,000	42,283,800	594,417.03	1,960,699.81
PHASES II-IV				
Sepulveda Canyon	0	1,944,000	0.00	109,875.92
Venice	0	495,000	0.00	24,523.46
Temescal	1,308,000	4,089,000	79,009.53	243,570.54
Corona	1,407,000	4,314,000	84,927.63	257,336.75
Perris	1,125,000	3,582,000	61,285.44	232,589.51
Rio Hondo	836,000	2,574,000	51,986.29	159,157.30
Coyote Creek	1,392,000	4,095,000	82,607.24	243,086.93
Red Mountain	2,712,000	8,880,000	163,519.43	532,325.42
Valley View	<u>0</u>	<u>32,000</u>	<u>0.00</u>	<u>3,329.86</u>
Subtotal	8,780,000	30,005,000	523,335.56	1,805,795.69
Etiwanda	372,000	6,986,000	4,878.56	112,702.11
Total	<u>21,971,000</u>	<u>79,274,800</u>	<u>\$1,122,631.15</u>	<u>\$3,879,197.61</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	Sept. 94	305*	160*	301*	297*	297*	117*
	Aug. 94	293	158	278	295	295	116
	Sept. 93	255	204	251	321	327	105
Total Dissolved Solids--mg/l	Sept. 94	671**	356**	667**	660**	660**	309**
	Aug. 94	651	354	620	656	657	300
	Sept. 93	593	482	555	675	667	271

* 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>	Sept. 1994		41,821	13,221	28,415	27,573	6,808
	Aug. 1994		46,070	17,008	32,269	32,124	8,208
	Sept. 1993		32,954	29,928	27,796	26,428	6,473
			<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>	Sept. 1994		1,981	-5	117,838		386,328
	Aug. 1994		2,207	+02	135,679		268,490
	Sept. 1993		2,077	0	123,579		389,338

RESERVOIR STORAGE

	<u>Usable</u>		<u>Sept.</u>	<u>Aug.</u>	<u>Sept.</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	80	146,054	149,829	132,377	13,677	
Lake Skinner	93	40,931	41,609	40,188	813	
<u>Colorado River Basin</u>						
Upper Basin	74	23,037,000	23,493,000	24,785,000	(1,748,000)	
Lower Basin	77	21,969,000	22,067,000	23,333,000	(1,364,000)	

(See Table E for details.)

State Water Project

Oroville	47	1,653,520	1,776,610	2,636,310	(982,790)
San Luis (State)	37	393,821	289,158	943,652	(549,831)
Pyramid	93	155,228	159,258	151,679	3,549
Castaic	71	218,032	247,749	244,326	(26,294)
Silverwood	90	64,229	64,693	63,766	463
Perris	83	106,147	106,866	115,980	(9,833)

Central Valley Project

Clair Engle	49	1,204,880	1,269,180	1,936,980	(732,100)
Shasta	45	1,985,810	2,333,510	2,986,010	(1,000,200)
Folsom	21	216,900	250,200	562,900	(346,000)
New Melones	16	379,200	422,300	670,700	(291,500)
San Luis	10	97,090	9,086	650,583	(553,493)
(federal)					

CONSTRUCTION PROGRESS FOR SEPTEMBER 1994

Eleven construction contracts, having a contract value in excess of \$179.3 million, were in progress during the month. Contract earnings under these contracts were \$4,243,711 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	98	October 1994
Calabasas Feeder Relocation	0	December 1994
Cathodic Protection System for West Coast Feeder	5	December 1994
Joseph Jensen Filtration Plant Expansion No. 1	97	December 1994
Domenigoni Valley Reservoir Temporary Visitor Center	26	February 1995
Completion of Domenigoni Valley Reservoir High-Water Road	6	March 1995
Jensen Plant Expansion No. 1 Chlorination System	0	March 1995
Seismic Upgrading of CRA Pump House Building	3	March 1995
Henry J. Mills Filtration Plant Expansion No. 2	28	October 1996
Demolition of Portions of the San Diego Canal	-	Not Determined to Date

One construction contract was awarded during the month. The contract, in the amount of \$817,000, was awarded by the Board to Serrot Corporation covering construction of a floating cover for Jensen Finished Water Reservoir No. 2. No construction contracts were completed during the month.

SEPTEMBER RAINFALL AT LOS ANGELES CIVIC CENTER (INCHES)

During the Month	0.00
Total for Season (Fiscal Year)	0.01
Normal for Season to Date	0.45
Difference From Normal	-0.44
Percent of Normal	2
During Same Month Last Year	0.00
Total for Season (last fiscal yr)	0.00

SEPTEMBER TEMPERATURES AT LOS ANGELES CIVIC CENTER (DEGREES F)

Average Maximum	86.3
Average Minimum	66.7
Average	76.50
30-Year Normal	73.7

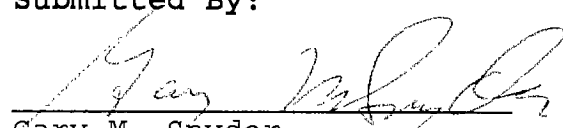
EMPLOYMENTRegular Employees by Division/Department

	<u>Sept.1993</u>	<u>Sept.1994</u>	<u>Difference</u>
Engineering	403	457	+ 54
Operations	944	946	+ 2
Other Divisions and Departments	<u>720</u>	<u>671</u>	- 49
<u>Total Regular Employees</u>	2,067	2,074	+ 7
<u>Full-Time Equivalent (FTE)--</u> <u>Temporary Employees*</u>	105	136	+ 31
<u>Total Sunset Employees</u>	126	40	- 86
<u>Total California Plaza Employees</u>	711	859	+148
<u>Total Pasadena Employees</u>	32	0	- 32
<u>Minority Applicants</u>	301	324	+23
<u>Minority New Hires</u>	3	5	+ 2
<u>Non-Minority Applicants</u>	292	311	+19
<u>Non-Minority New Hires</u>	3	4	+ 1

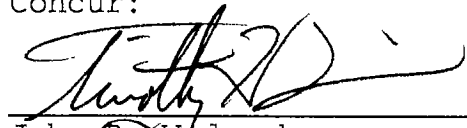
* Full-Time Equivalent Positions (approximate)--based on hours worked by temporary employees.

John R. Wodraska
General Manager

Submitted By:


Gary M. Snyder
Chief Engineer

Concur:


John R. Wodraska
General Manager
PCA:aj/09194
(bd:opoct-94.wp5)
Attachments

METROPOLITAN WATER DISTRICT OF SO. CAL.
 Billing Activity Report for the Month of September 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	613.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0	-525.00	239,256.10
CITY OF BURBANK	1853.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-24,678.80	738,757.20
BEVERLY HILLS	1232.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	507,872.40
CITY OF COMPTON	329.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	135,671.60
CALLEGUAS MWD	7759.2	393.2	0.0	0.0	-534.1	-11.4	545.5	0.0	0.00	3,304,920.40
CHINO BASIN MWD	4162.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,394,571.50
CENTRAL BASIN MWD	5357.6	0.0	0.0	407.1	0.0	0.0	83.7	429.0	0.00	2,327,571.80
COASTAL MWD	7418.7	28.6	0.0	0.0	0.0	0.0	0.0	173.0	0.00	3,037,727.40
EASTERN MWD	5679.7	610.2	0.0	0.0	0.0	0.0	0.0	224.6	2,500.00	2,504,427.80
CITY OF FULLERTON	974.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	401,329.20
FOOTHILL MWD	879.4	0.0	0.0	0.0	0.0	0.0	0.0	138.5	0.00	340,983.80
CITY OF GLENDALE	2777.6	0.0	0.0	0.0	0.0	0.0	0.0	51.9	0.00	1,136,378.60
CITY OF LOS ANGELES	12035.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	4,152,414.80
CITY OF LONG BEACH	3617.5	0.0	0.0	0.0	0.0	0.0	0.0	122.7	0.00	1,471,514.20
LAS VIRGENES MWD	2056.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	847,442.80
ORANGE COUNTY MWD	15568.9	699.9	0.0	0.0	0.0	100.0	0.0	1734.7	-155,000.00	6,150,981.00
CITY OF PASADENA	1216.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	501,321.60
THREE VALLEYS MWD	6862.6	27.6	0.0	0.0	0.0	0.0	0.0	0.0	57,611.00	2,725,741.10
CITY OF SANTA ANA	1003.7	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.00	412,092.20
SAN DIEGO CWA	32638.8	10980.7	0.0	0.0	-548.7	0.0	0.0	370.5	-118,623.80	14,671,972.10
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	511.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	210,861.60
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	2097.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	864,170.04
SAN GABRIEL VALLEY	760.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	313,161.20
WEST BASIN MWD	12895.2	0.0	0.0	2250.8	0.0	0.0	0.0	0.0	-33,800.00	6,209,648.00
WESTERN MWD	1280.6	5759.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,918,112.10
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	250.00	250.00
TOTALS :	131832.8	18510.2	0.0	2665.9	-1082.8	88.6	629.2	3254.2	-272,266.60	

GRAND TOTAL SALES: 155,898.1 ACRE FEET

TOTAL NET INVOICE \$ 56,622,191.70

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.

METROPOLITAN WATER DISTRICT OF SO. CAL.
 Year to date Water sales in A.F. to Month of September 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	-776.2	51.2	0.0	0.0	0.0	3413.1	0.0	0.0	-525.00	604,984.20
CITY OF BURBANK	6599.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-279,606.10	2,429,566.00
BEVERLY HILLS	3913.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,612,156.00
CITY OF COMPTON	1172.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	483,152.40
CALLEGUAS MWD	25986.9	1584.7	0.0	0.0	-350.8	-11.4	545.5	0.0	0.00	11,196,054.80
CHINO BASIN MWD	14337.3	0.0	0.0	0.0	0.0	909.1	0.0	0.0	0.00	5,016,519.00
CENTRAL BASIN MWD	15339.1	0.0	0.0	1149.9	0.0	2557.4	1171.3	1178.2	0.00	7,588,125.80
COASTAL MWD	21922.4	41.9	0.0	0.0	0.0	45.5	0.0	291.6	0.00	9,011,386.90
EASTERN MWD	21497.3	610.2	0.0	0.0	0.0	0.0	0.0	227.4	-7,788.00	9,069,819.00
CITY OF FULLERTON	3448.8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,422,473.10
FOOTHILL MWD	2701.9	0.0	0.0	0.0	0.0	0.0	0.0	191.7	0.00	1,083,661.00
CITY OF GLENDALE	8600.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0	0.00	3,523,950.00
CITY OF LOS ANGELES	34165.1	0.0	0.0	0.0	2794.0	11255.8	0.0	0.0	0.00	14,567,131.30
CITY OF LONG BEACH	12063.2	0.0	0.0	0.0	0.0	0.0	0.0	438.7	0.00	4,902,478.60
LAS VIRGENES MWD	5679.9	0.0	0.0	0.0	0.0	0.0	0.0	84.0	0.00	2,327,182.80
ORANGE COUNTY MWD	45595.1	1768.9	0.0	0.0	0.0	5619.1	0.0	5158.8	-190,840.00	19,652,866.50
CITY OF PASADENA	4346.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1,790,799.20
THREE VALLEYS MWD	23326.3	48.4	0.0	0.0	0.0	0.0	0.0	0.0	57,611.00	9,191,940.30
CITY OF SANTA ANA	3671.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	0.00	1,509,787.80
SAN DIEGO CWA	104037.9	27281.0	0.0	0.0	11552.9	0.0	0.0	977.1	-205,484.60	48,402,111.80
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	1545.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	636,469.60
CITY OF SAN MARINO	654.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	269,612.80
CITY OF TORRANCE	6540.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	2,694,727.25
SAN GABRIEL VALLEY	2319.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	955,592.80
WEST BASIN MWD	38347.5	0.0	0.0	6545.6	0.0	2200.7	0.0	0.0	-96,625.00	19,015,528.20
WESTERN MWD	12103.5	10616.8	0.0	0.0	0.0	278.5	0.0	0.0	-119,376.90	7,230,941.60
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	750.00	750.00
TOTALS :	419139.4	42108.8	0.0	7695.5	13996.1	26267.8	1716.8	8689.8	-841,884.60	

GRAND TOTAL SALES: 519,514.2 ACRE FEET

TOTAL NET INVOICE \$ 186,190,247.10

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 SEPTEMBER 1994
 TABLE B

AGENCY	---BASIC---TREATED(NOTE)-----				AF AMOUNT	---BASIC---UNTREATED(NOTE)-----				AF AMOUNT	RECLAIMED	TOTAL AF AMOUNT
	SERVICE	AGRIC	SEASONAL	GWR		SERVICE	AGRIC	SEASONAL	GWR			
CITY OF ANAHEIM	408.8	10.6	0.0	0.0	419.4	204.3	0.0	0.0	0.0	204.3	0.0	623.7
CITY OF BURBANK	1853.0	0.0	0.0	0.0	1853.0	0.0	0.0	0.0	0.0	0.0	0.0	1853.0
BEVERLY HILLS	1232.7	0.0	0.0	0.0	1232.7	0.0	0.0	0.0	0.0	0.0	0.0	1232.7
CITY OF COMPTON	329.3	0.0	0.0	0.0	329.3	0.0	0.0	0.0	0.0	0.0	0.0	329.3
CALLEGUAS MWD	7759.2	393.2	0.0	0.0	8152.4	0.0	0.0	0.0	0.0	0.0	0.0	8152.4
CHINO BASIN MWD	0.0	0.0	0.0	0.0	0.0	4162.9	0.0	0.0	0.0	4162.9	0.0	4162.9
CENTRAL BASIN MWD	5357.6	0.0	0.0	407.1	5764.7	0.0	0.0	83.7	0.0	83.7	429.0	6277.4
COASTAL MWD	7418.7	28.6	0.0	0.0	7447.3	0.0	0.0	0.0	0.0	0.0	173.0	7620.3
EASTERN MWD	6052.1	610.2	0.0	0.0	6662.3	-372.4	0.0	0.0	0.0	-372.4	224.6	6514.5
CITY OF FULLERTON	974.1	0.0	0.0	0.0	974.1	0.0	0.0	0.0	0.0	0.0	0.0	974.1
FOOTHILL MWD	879.4	0.0	0.0	0.0	879.4	0.0	0.0	0.0	0.0	0.0	138.5	1017.9
CITY OF GLENDALE	2777.6	0.0	0.0	0.0	2777.6	0.0	0.0	0.0	0.0	0.0	51.9	2829.5
CITY OF LOS ANGELES	1567.4	0.0	0.0	0.0	1567.4	10467.6	0.0	0.0	0.0	10467.6	0.0	12035.0
CITY OF LONG BEACH	3617.5	0.0	0.0	0.0	3617.5	0.0	0.0	0.0	0.0	0.0	122.7	3740.2
LAS VIRGENES MWD	2056.9	0.0	0.0	0.0	2056.9	0.0	0.0	0.0	0.0	0.0	0.0	2056.9
ORANGE COUNTY MWD	15024.1	326.6	100.0	0.0	15450.7	544.8	373.3	0.0	0.0	918.1	1734.7	18103.5
CITY OF PASADENA	1216.8	0.0	0.0	0.0	1216.8	0.0	0.0	0.0	0.0	0.0	0.0	1216.8
THREE VALLEYS MWD	4714.7	0.0	0.0	0.0	4714.7	2147.9	27.6	0.0	0.0	2175.5	0.0	6890.2
CITY OF SANTA ANA	1403.7	0.0	0.0	0.0	1403.7	0.0	0.0	0.0	0.0	0.0	9.3	1413.0
SAN DIEGO CWA	14893.9	9108.4	-548.7	0.0	23453.6	17744.9	1872.3	0.0	0.0	19617.2	370.5	43441.3
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	511.8	0.0	0.0	0.0	511.8	0.0	0.0	0.0	0.0	0.0	0.0	511.8
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	2097.5	0.0	0.0	0.0	2097.5	0.0	0.0	0.0	0.0	0.0	0.0	2097.5
SAN GABRIEL VALLEY	760.1	0.0	0.0	0.0	760.1	0.0	0.0	0.0	0.0	0.0	0.0	760.1
WEST BASIN MWD	12895.2	0.0	0.0	2258.8	15154.0	0.0	0.0	0.0	0.0	0.0	0.0	15154.0
WESTERN MWD	-266.2	4358.9	0.0	0.0	4092.7	1546.8	1400.5	0.0	0.0	2947.3	0.0	7040.0
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:	95386.0	14036.5	-448.7	2665.9	112439.7	36446.8	3673.7	83.7	0.0	40204.2	3254.2	155898.1

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 September 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	-776.2	51.2	0.0	0.0	0.0	3413.1	0.0	0.0	2,688.1
CITY OF BURBANK	6599.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,599.7
BEVERLY HILLS	3913.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,913.0
CITY OF COMPTON	1172.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,172.7
CALLEGUAS MWD	25986.9	1584.7	0.0	0.0	-350.8	-11.4	545.5	0.0	27,754.9
CHINO BASIN MWD	14337.3	0.0	0.0	0.0	0.0	909.1	0.0	0.0	15,246.4
CENTRAL BASIN MWD	15339.1	0.0	0.0	1149.9	0.0	2557.4	1171.3	1176.2	21,395.9
COASTAL MWD	21922.4	41.9	0.0	0.0	0.0	45.5	0.0	291.6	22,301.4
EASTERN MWD	21497.3	610.2	0.0	0.0	0.0	0.0	0.0	227.4	22,334.9
CITY OF FULLERTON	3448.8	5.7	0.0	0.0	0.0	0.0	0.0	0.0	3,454.5
FOOTHILL MWD	2701.9	0.0	0.0	0.0	0.0	0.0	0.0	191.7	2,893.6
CITY OF GLENDALE	8600.0	0.0	0.0	0.0	0.0	0.0	0.0	125.0	8,725.0
CITY OF LOS ANGELES	34165.1	0.0	0.0	0.0	2794.0	11255.8	0.0	0.0	48,214.9
CITY OF LONG BEACH	12063.2	0.0	0.0	0.0	0.0	0.0	0.0	438.7	12,501.9
LAS VIRGENES MWD	5679.9	0.0	0.0	0.0	0.0	0.0	0.0	84.0	5,763.9
ORANGE COUNTY MWD	45595.1	1768.9	0.0	0.0	0.0	5619.1	0.0	5158.8	58,141.9
CITY OF PASADENA	4346.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,346.6
THREE VALLEYS MWD	23326.3	48.9	0.0	0.0	0.0	0.0	0.0	0.0	23,374.7
CITY OF SANTA ANA	3671.0	0.0	0.0	0.0	0.0	0.0	0.0	17.3	3,688.3
SAN DIEGO CWA	104037.9	27281.0	0.0	0.0	11552.9	0.0	0.0	977.1	143,848.9
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	1545.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,545.8
CITY OF SAN MARINO	654.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	654.4
CITY OF TORRANCE	6540.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,540.6
SAN GABRIEL VALLEY	2319.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,319.4
WEST BASIN MWD	38347.5	0.0	0.0	6545.6	0.0	2200.7	0.0	0.0	47,093.8
WESTERN MWD	12103.5	10616.8	0.0	0.0	0.0	278.5	0.0	0.0	22,998.8
SPC CONT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS :	419134.4	42808.8	0.0	7695.5	13996.1	26267.8	1716.8	8689.8	

GRAND TOTAL SALES (A.F.) 519,514.2

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 SEPTEMBER 1994
 TABLE C

AGENCY	---BASIC---TREATED------(NOTE 1)-				DOLLAR AMOUNT	--BASIC--UNTREATED------(NOTE 1)-				DOLLAR AMOUNT RECLAIMED	(NOTE 2) SPECIAL	TOT DOLLAR (\$) AMOUNT	
	SERVICE	AGRIC	SEASONAL	GWR		SERVICE	AGRIC	SEASONAL	GWR				
CITY OF ANAHEIM	168425	2915	0	0	171340	68440	0	0	0	68440	0	-525	239256
CITY OF BURBANK	763436	0	0	0	763436	0	0	0	0	0	0	-24678	738757
BEVERLY HILLS	507872	0	0	0	507872	0	0	0	0	0	0	0	507872
CITY OF COMPTON	135671	0	0	0	135671	0	0	0	0	0	0	0	135671
CALLEGUAS MWD	3196790	108130	0	0	3304920	0	0	0	0	0	0	0	3304920
CHINO BASIN MWD	0	0	0	0	0	1394571	0	0	0	1394571	0	0	1394571
CENTRAL BASIN MWD	2207331	0	0	167725	2375056	0	0	18581	0	18581	-66066	0	2327571
COASTAL MWD	3056504	7865	0	0	3064369	0	0	0	0	0	-26642	0	3037727
EASTERN MWD	2509940	151329	0	0	2661270	-124754	0	0	0	-124754	-34588	2500	2504427
CITY OF FULLERTON	401329	0	0	0	401329	0	0	0	0	0	0	0	401329
FOOTHILL MWD	362312	0	0	0	362312	0	0	0	0	0	-21329	0	340983
CITY OF GLENDALE	1144371	0	0	0	1144371	0	0	0	0	0	-7992	0	1136378
CITY OF LOS ANGELES	645768	0	0	0	645768	3506646	0	0	0	3506646	0	0	4152414
CITY OF LONG BEACH	1490410	0	0	0	1490410	0	0	0	0	0	-18895	0	1471514
LAS VIRGENES MWD	847442	0	0	0	847442	0	0	0	0	0	0	0	847442
ORANGE COUNTY MWD	6192629	89815	25300	0	6307744	184984	80395	0	0	265380	-267143	-155000	6150981
CITY OF PASADENA	501321	0	0	0	501321	0	0	0	0	0	0	0	501321
THREE VALLEYS MWD	1942456	0	0	0	1942456	719546	6127	0	0	725673	0	57611	2725741
CITY OF SANTA ANA	413524	0	0	0	413524	0	0	0	0	0	-1432	0	412092
SAN DIEGO CWA	6126874	2499407	-138821	0	8487460	5968865	391327	0	0	6360192	-57057	-118623	14671972
CITY OF SAN FERNANDO	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF SANTA MONICA	210861	0	0	0	210861	0	0	0	0	0	0	0	210861
CITY OF SAN MARINO	103041	0	0	0	103041	0	0	0	0	0	0	0	103041
CITY OF TORRANCE	864170	0	0	0	864170	0	0	0	0	0	0	0	864170
SAN GABRIEL VALLEY	313161	0	0	0	313161	0	0	0	0	0	0	0	313161
WEST BASIN MWD	5312822	0	0	930625	6243448	0	0	0	0	0	0	-33000	6209448
WESTERN MWD	-109674	1198597	0	0	1089023	518178	310911	0	0	829089	0	0	1918112
SPC CONT	0	0	0	0	0	0	0	0	0	0	0	250	250
TOTAL:	39308795	4058159	-113521	1098350	\$44351784	12236478	788760	18581	0	\$13043820	-501146	-272266	\$56622191

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

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

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The Metropolitan Water District of Southern California

TABLE D

MONTHLY ANALYSES OF THE DISTRICT WATER SUPPLIES--AUGUST 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		8/2/94	8/1/94	8/1/94	Aug-94	8/1/94	8/1/94	Aug-94	Aug-94	Aug-94	Aug-94	Aug-94	Aug-94	Aug-94
SILICA	SiO ₂ mg/L	9.1	8.8	8.2	15.7	15.6	2.4	9.2	9.7	9.4	15.4	9.3	9.0	14.7
CALCIUM	Ca mg/L	81	82	79	37	24	28	72	66	71	37	71	71	24
MAGNESIUM	Mg mg/L	30	30	30.5	16.5	13.5	19	28.5	27.5	28	16	28.5	28.5	13.5
SODIUM	Na mg/L	107	107	109	56	56	93	103	100	105	59	104	104	59
POTASSIUM	K mg/L	4.9	5.0	4.9	3.1	3.2	4.7	4.7	4.5	4.5	3.0	4.7	4.6	3.2
CARBONATE	CO ₃ mg/L	0	0	0	0	0	1	1	0	0	0	0	0	0
BICARBONATE	HCO ₃ mg/L	160	160	154	113	98	133	145	131	142	117	148	150	94
SULFATE	SO ₄ mg/L	281	290	282	91	54	58	265	249	263	92	265	266	54
CHLORIDE	Cl mg/L	91	94	92	65	71	129	93	97	98	70	99	98	82
NITRATE	NO ₃ mg/L	0.73	0.89	0.68	2.81	2.73	0.05	0.28	1.15	0.97	2.88	0.25	0.24	2.48
FLUORIDE	F mg/L	0.30	0.29	0.31	0.21	0.15	0.19	0.27	0.23	0.22	0.22	0.20	0.20	0.14
BORON	B mg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL DISSOLVED SOLIDS	TDS mg/L	685	698	683	344	289	402	650	620	651	354	656	657	300
TOTAL HARDNESS AS CaCO ₃	mg/L	326	328	323	160	116	148	297	278	293	158	295	295	116
TOTAL ALKALINITY AS CaCO ₃	mg/L	131	131	126	93	80	111	121	107	116	96	121	123	77
FREE CARBON DIOXIDE	CO ₂ mg/L	1.3	1.3	1.4	4.0	1.2	0.9	1.1	2.0	2.1	1.1	2.2	1.7	0.8
H ⁺ CONCENTRATION	pH	8.30	8.31	8.26	7.67	8.12	8.42	8.35	8.04	8.04	8.25	8.04	8.17	8.29
SPECIFIC CONDUCTANCE	µmho/cm	1092	1093	1095	582	520	764	1018	987	1026	596	1025	1026	539
COLOR	CU	--	--	--	--	--	--	--	3	3	2	3	3	3
FILTER EFFLUENT TURBIDITY	NTU	--	--	--	--	--	--	--	0.07	0.09	0.08	0.08	--	0.07
TURBIDITY	NTU	0.71	0.43	0.40	0.49	1.5	0.31	1.6	0.07	0.09	0.08	0.07	0.07	0.06
TEMPERATURE	°C	27	27	26	16	24	26	28	25	26	16	28	29	26
BROMIDE	Br mg/L	0.10	0.11	0.11	0.20	0.22	0.45	0.12	--	--	--	--	--	--
TOTAL ORGANIC CARBON	TOC mg/L	2.73	3.10	2.73	2.65	3.28	4.39	2.83	2.68	2.66	2.73	3.01	2.71	2.90
TOTAL TRIHALOMETHANES	TTHMs µg/L	--	--	--	--	--	--	--	49	60	58	69	60	71
PCT. STATE PROJECT WATER	%SPW %	0	0	0	100	100	100	13	18	11	100	12	12	100

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TABLE E. GENERAL MANAGER'S MONTHLY REPORT

Sep 1994

Storage in Colorado River Basin Reservoirs at End of Month

(1,000 acre-feet)

Reservoir	Usable Contents Above Lowest Outlet	Percent of Usable Capacity	Usable Contents Above Min. Power Head	Change * in Contents During Month	Change * in Contents Since Sep 1993
<i>Upper Basin</i>					
Fontenelle	335	68	38	(11)	(79)
Flaming Gorge	2,887	77	2,654	(75)	(584)
Blue Mesa	615	74	534	(42)	195
Morrow Point	112	96	37	0	(3)
Crystal	16	91	5	0	(1)
Navajo	1,401	83	---	(11)	(224)
Powell	17,773	73	13,776	(317)	(1,052)
Subtotal	25,037	74	17,044	(456)	(1,748)
<i>Lower Basin</i>					
Mead	19,930	76	9,906	21	(1,449)
Mohave	1,468	81	1,251	(113)	93
Havasu	571	92	132	(6)	(8)
Subtotal	21,969	77	11,289	(98)	(1,364)
Basin Total	45,006	75	28,333	(554)	(3,112)

* Numbers within () are negative numbers.

T A B L E F

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

July 1994 through September 1994

Projected for the Year

	<u>ACTUAL THRU SEPTEMBER 1994</u>	<u>BUDGET THRU SEPTEMBER 1994</u>	<u>VARIANCE DOLLARS + / (-)</u>	<u>PROJECTED YEAR-END</u>	<u>ANNUAL BUDGET</u>	<u>VARIANCE DOLLARS + / (-)</u>
<u>RECEIPTS</u>						
WATER SALES	\$179.5	\$159.1	\$20.4	\$651.9	\$615.6	\$36.3
TAXES	8.7	8.2	0.5	79.0	87.7	(8.7)
INTEREST	10.3	9.2	1.1	25.0	24.0	1.0
POWER RECOVERIES	4.8	2.3	2.5	20.5	18.0	2.5
WATER STANDBY CHARGE	1.4	0.5	0.9	50.0	50.0	0.0
OTHER RECEIPTS	<u>2.3</u>	<u>0.2</u>	<u>2.2</u>	<u>2.9</u>	<u>0.7</u>	<u>2.2</u>
	\$207.1	\$179.5	\$27.6	\$829.3	\$796.0	\$33.3
<u>EXPENDITURES</u>						
STATE WATER CONTRACT	\$25.2	\$105.7	\$80.5	\$245.1	\$297.1	\$52.0
WATER TRANSFERS\OPTIONS	0.0	0.0	(0.0)	24.0	24.0	0.0
COLORADO RIVER SUPPLIES	17.0	22.4	5.4	76.8	85.0	8.2
MWD CAPITAL PROGRAM	90.9	86.9	(4.0)	227.3	227.2	(0.1)
MWD O&M	<u>53.6</u>	<u>60.0</u>	<u>6.4</u>	<u>222.2</u>	<u>228.6</u>	<u>6.4</u>
	<u>\$186.7</u>	<u>\$275.0</u>	<u>\$88.3</u>	<u>\$795.3</u>	<u>\$861.9</u>	<u>\$66.6</u>
<u>INCREASE (DECREASE) in CASH and INVESTMENTS</u>	<u>\$20.4</u>	<u>(\$95.5)</u>	<u>\$115.9</u>	<u>\$34.1</u>	<u>(\$65.9)</u>	<u>\$100.0</u>

Minor differences are due to rounding.

ACRE-FEET SALES IN THOUSANDS

	<u>ACTUAL</u>	<u>BUDGETED</u>	<u>DIFFERENCE</u>
May Through July Deliveries	563.8	486.8	77.0
August Deliveries	185.4	154.2	31.2
September Deliveries	155.9	145.2	10.7

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The Metropolitan Water District of Southern California

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

September 1994

SUMMARY OF PROGRESS

	<u>Construction Contracts</u>	<u>Procurement Contracts</u>
Number of Contracts	11	1
Total Bid Amount of Contracts in Progress	\$ 179,277,639	\$ 6,670,000
Number of Contracts Awarded this Month	1	0
Total Bid Amount of Contracts Awarded this Month	817,000	0
Contract Gross Earnings this Month	4,243,711	0

Contract No. 1429, in the amount of \$817,000, was awarded to Serrot Corporation during the month of September 1994. This contract covers the construction of a floating cover for the Jensen Finished Water Reservoir No. 2.

There were no construction contracts completed during the month of September 1994.

A tabular summary of current construction contracts is included as page 3 of this report. Details of the status of current construction contracts are shown on pages 6 through 16 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 September 1994.

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

CONTENTS

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

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	\$1,590,853	\$103,344,752	09/05/91	10/25/94	12/94	97	97
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	7
1429	1259	Floating Cover for the Jensen Finished Water Reservoir No. 2	Serrot Corporation	817,000	-	-	-	-	-	-	-
1418	1238 A	Henry J. Mills Filtration Plant Expansion No. 2	M. A. Mortenson Company	69,943,000	2,528,290	19,315,542	10/07/93	10/01/96	10/96	28	32
1421	1264	Field Office at Domenigoni Valley Reservoir Site	Inland Asphalt and Coating and Space Leasing Co., Inc., a Joint Venture	1,232,351	114,982	1,235,470	01/06/94	08/22/94	10/94	98	100
1426	1284	Completion of Domenigoni Valley Reservoir High-Water Road	Calex Engineering Company	692,600	40,003	40,003	08/25/94	03/31/95	03/95	6	6
1424	1265	Domenigoni Valley Reservoir Temporary Visitor Center	Wakeham-Baker, Inc.	420,420	6,662	107,347	06/24/94	02/13/95	02/95	26	48
1428	1286	Demolition of portion of San Diego Canal	Iconco, Inc.	591,235	-	-	-	-	-	-	-
1422	1271	Calabasas Feeder Relocation	Pascal & Ludwig Engineers	1,230,000	0	0	04/12/94	11/29/94	12/94	55	0
1423	1269	Cathodic Protection for West Coast Feeder	American Construction and Supply, Inc.	295,033	16,071	16,071	07/11/94	12/01/94	12/94	55	5
1427	1227	Seismic Upgrading of CRA Pump House Buildings	J.W. Contracting Corporation	1,198,000	27,850	32,850	08/22/94	09/29/95	09/95	3	8

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 September 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

September 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	1,307,094
CONTRACT STARTING DATE	September 5, 1991	EARNINGS THIS MONTH	1,590,853
CONTRACT COMPLETION DATE	October 25, 1994	EARNINGS TO DATE	103,344,752
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	97
		PERCENT CONTRACT TIME ELAPSED	97

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

Concrete operations were continued throughout the month for cast in place portions of concrete pipeway. Concrete repair work continued throughout the month as required for various portions of module No. 3 and finished water Reservoir No. 2.

Installation of piping, pipe supports, and the filter surface wash headers and various pumps in module No. 3 continued throughout the month. Installation of the polymer feed system was continued at the dry polymer building. Installation of the overflow pipeline extensions was started for the finished water reservoir No. 2 and module No. 3.

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

Installation of filter underdrain tiles continued in module No. 3 as required. Placement of filter media was also started in module No. 3.

Installation of traveling bridges and launder troughs continued in module No. 3. Start-up testing of flocculators and functional testing of traveling bridges previously installed in basins Nos. 11 and 12 were continued.

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

Contractor personnel, including employees of subcontractors, averaged 116 persons during the month of September 1994.

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	7

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, site work 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 has submitted certain shop drawings, specifications, and catalog data sheets for District review and approval prior to the start of any construction operation.

No field work has been started, to date, pending completion of certain work required to be completed by the prime contractor for the Joseph Jensen Filtration Plant Expansion No. 1.

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	-
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 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

Contract No. 1429 covering the construction of the floating cover for the Jensen Finished Water Reservoir No. 2 was awarded to Serrot Corporation by the Board of Directors at their August 19, 1994 meeting.

The Notice of Award was mailed to the contractor on September 26, 1994.

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	39,764
CONTRACT STARTING DATE	October 7, 1993	EARNINGS THIS MONTH	2,528,290
CONTRACT COMPLETION DATE	October 1, 1996	EARNINGS TO DATE	19,315,542
ESTIMATED COMPLETION DATE	October 1996	ESTIMATED PERCENT COMPLETE	28
		PERCENT CONTRACT TIME ELAPSED	32

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, as required, and placement of concrete were continued for the various portions of modules Nos. 3 and 4, the emergency generator building, the electrical equipment buildings, the reclaimed washwater pump station, and the reclamation basin.

Blasting operations were continued at various locations throughout the jobsite, as required. Placement of crushed rock continued in various portions of modules Nos. 3 and 4, as required. Dewatering of the equalization basin was continued throughout the month.

Installation and lining of large diameter piping continued at various locations throughout the jobsite during the month.

Installation of electrical control panels was started at the outlet structure at Reservoir No. 2.

Contractor personnel, including employees of subcontractors, averaged 194 persons during the month of September 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	40,003
CONTRACT COMPLETION DATE	March 31, 1995	EARNINGS TO DATE	40,003
ACTUAL COMPLETION DATE	March 1995	ESTIMATED PERCENT COMPLETE	6
		PERCENT CONTRACT TIME ELAPSED	6

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

Mobilization of construction facilities, equipment, and personnel was in progress throughout the month. The contractor has installed a pipe connection at the San Diego Canal turnout structure to fill water trucks as one of the first orders of work.

An access road has been cut past the last abutement of the saddle dam and approximately 3,500 feet of the high-water road has been roughed in.

Contractor personnel, including employees of subcontractors, averaged five persons during the month of September 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	31,427
CONTRACT STARTING DATE	January 6, 1994	EARNINGS THIS MONTH	114,982
CONTRACT COMPLETION DATE	August 22, 1994	EARNINGS TO DATE	1,235,470
ESTIMATED COMPLETION DATE	October 1994	ESTIMATED PERCENT COMPLETE	98
		PERCENT CONTRACT TIME ELAPSED	100

SCOPE OF WORK

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

CONSTRUCTION PROGRESS

Balancing of the heating and air conditioning system for the modular office building was completed during the month.

Construction of the fuel enclosure was continued throughout the month including final delivery of the required roof structured steel and decking.

Erection of required framing, roofing, and doors for the core storage building was accomplished during the month. Installation of siding is now in progress.

Placement of all concrete required under the contract is essentially complete. The second course of asphalt concrete paving was completed during the month, and the required parking stall stripes were painted on the completed paving.

Contractor personnel, including employees of subcontractors, averaged eight persons during the month of September 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	6,662
CONTRACT COMPLETION DATE	February 13, 1995	EARNINGS TO DATE	107,347
ESTIMATED COMPLETION DATE	February 1995	ESTIMATED PERCENT COMPLETE	26
		PERCENT CONTRACT TIME ELAPSED	40

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

Installation of the septic tank and related septic system piping was completed during the month.

The City of Hemet, California, has requested certain modifications to the contract site plans for the temporary visitor center which are now being reviewed by the District.

Shop drawings are continued to be prepared by the prime contractor for District review and approval.

Contractor personnel, including employees of subcontractors, averaged three persons during the month of September 1994.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	-
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

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 contractor, Iconco, Inc., continued to submit documentation required prior to final award of the contract.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	0

SCOPE OF WORK

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

CONSTRUCTION PROGRESS

The contractor has requested and was granted a change in the specified exterior coating of the required 59-inch-diameter welded-steel pipe. Fabrication of the required pipe continued at the supplier's facilities.

No field work has been started to date pending final fabrication of the pipe. The contractor is scheduled to start field mobilization of equipment in the near future.

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	16,071
CONTRACT COMPLETION DATE	December 1, 1994	EARNINGS TO DATE	16,071
ESTIMATED COMPLETION DATE	December 1994	ESTIMATED PERCENT COMPLETE	5
		PERCENT CONTRACT TIME ELAPSED	55

SCOPE OF WORK

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

CONSTRUCTION PROGRESS

Mobilization of required equipment, materials, and personnel was completed during the month.

Minor excavation operations and installation of conduit were started at Sites Nos. 6 and 4 during the month. Initial installation was interrupted by damage to an unmarked utility line at Site No. 4 by the contractor's forces.

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

The Metropolitan Water District of Southern California

MONTHLY CONSTRUCTION PROGRESS REPORT

September 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	27,850
CONTRACT COMPLETION DATE	September 29, 1995	EARNINGS TO DATE	32,850
ESTIMATED COMPLETION DATE	September 1995	ESTIMATED PERCENT COMPLETE	3
		PERCENT CONTRACT TIME ELAPSED	8

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

Mobilization operations were essentially completed at Hinds Pumping Plant during the month.

Installation of scaffolds and working platforms for start of the core drilling operations is now in progress. Core drilling operations were started in the interior at the Hinds plant at buttresses Nos. 4 and 5.

Drilling of dowel holes above grade on the exterior walls for all buttresses was completed at Hinds plant during the month.

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

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