

October 20, 1998

To: Board of Directors**From:** General Manager**Submitted by:** Gary M. Snyder
Chief EngineerJay W. Malinowski
Chief of Operations**Subject:** Operating Data for September 1998

The following tables contain September 1998 data on Metropolitan's water and power sales and purchases, treatment plant operations, reservoir storage, construction, employment, and Los Angeles Civic Center rainfall:

WATER SALES

TOTAL FISCAL	September 1998 AF	September 1997 AF	Year to Date AF
Total Water Sales	144,189	157,439	490,378
Revenue	\$51,196,321	\$58,954,510	\$185,958,710
Basic Service	115,445	130,847	420,532
Agricultural	19,560	18,115	37,562
Seasonal Storage	1,680	2,574	9,439
Seawater Barrier	1,159	0	4,357
Desalt & GWR	953	0	1,987
Reclaimed	5,389	5,901	16,499
Treated	107,457	113,454	365,753
Untreated	30,388	38,083	106,138

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

**METROPOLITAN'S STATE WATER PROJECT (SWP)
CHARGES AND PAYMENTS--FISCAL YEAR 1998/99**

The following table shows a comparison of totals through September 1998:

<u>Components</u>	<u>SWP Statement of Charges to Date</u>	<u>1998/99 Annual Budget to Date</u>	<u>Amount Paid to Date</u>
Capital	143,174,447	59,834,348	59,834,348
Minimum	98,799,814	25,525,373	25,525,373
Power	61,976,969	14,194,071	15,269,562
Credits	<u>(63,696,000)</u>	<u>(19,236,000)</u>	<u>0</u>
Net SWP Costs	<u>\$240,255,231</u>	<u>\$80,317,792</u>	<u>\$100,629,283</u>

NOTE: Explanation of Budget-to-Date and Payments and Credits-to-Date variances:

The POWER variance of \$1.1 million results from the May 1998 revision in Off-Aqueduct charges and higher Variable Charges.

CREDITS have a variance of \$19.2 million due to DWR's delay in processing the refunds.

POWER FOR PUMPING

The following quantities of electric energy were generated for Metropolitan's pumping system in September 1998:

Colorado River Energy	<u>Kwh</u>
Hoover Power Plant	92,319,000
Parker Power Plant	27,168,000
Subtotal	<u>119,487,000</u>
Southern California Edison (SCE) Benefit Energy	20,666,697
SCE Exchange Energy	0
SCE Purchased Energy	0
California Department of Water Resources (DWR) Purchased Energy	21,780,000
Other Purchased Energy	<u>39,220,000</u>
Total Generated for Metropolitan	201,153,697
Power Available to DWR	0
CRA Power Available to SCE	0

**HYDROELECTRIC POWER RECOVERY PLANTS--FISCAL YEAR 1998/99
ENERGY AND REVENUE ACCOUNT**

September 1998

PLANT	Energy Sales (Kwh)		Gross Energy Revenue	
	This Month	F. Y. To Date	This Month	F. Y. To Date
PHASE I				
Greg Avenue	0	0	0.00	0.00
Lake Mathews	3,102,000	9,678,000	129,756.66	404,830.74
Foothill Feeder	2,748,000	11,580,000	114,948.84	484,391.40
San Dimas	2,115,000	7,551,000	88,470.45	315,858.33
Yorba Linda	<u>2,610,000</u>	<u>8,154,000</u>	<u>109,176.30</u>	<u>341,081.82</u>
Subtotal	10,575,000	36,963,000	442,352.25	1,546,162.29
PHASES II - IV				
Sepulveda Canyon	528,000	5,304,000	31,700.65	327,973.58
Venice	225,000	2,871,000	13,182.06	172,801.51
Temescal	1,692,000	5,067,000	104,108.36	310,006.35
Corona	1,746,000	5,199,000	106,301.31	318,270.44
Perris	1,089,000	2,853,000	108,248.34	279,177.43
Rio Hondo	664,000	2,228,000	40,977.75	138,151.03
Coyote Creek	1,680,000	4,935,000	101,499.75	296,484.76
Red Mountain	3,132,000	9,798,000	194,210.87	604,245.63
Valley View	<u>0</u>	<u>0</u>	<u>0.00</u>	<u>0.00</u>
Subtotal	10,756,000	38,255,000	700,249.09	2,447,110.73
Total Phase I-IV	<u>21,331,000</u>	<u>75,218,000</u>	<u>1,142,601.34</u>	<u>3,993,273.02</u>
Etiwanda	<u>3,860,000</u>	<u>12,296,000</u>	<u>103,291.90</u>	<u>378,403.66</u>
Total	<u>25,191,000</u>	<u>87,514,000</u>	<u>1,245,893.24</u>	<u>4,371,676.68</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. 98	234*	153*	238*	258*	259*	74*
	Aug. 98	218	145	235	237	237	62
	Sept. 97	249	149	239	260	260	86
Total Dissolved Solids--mg/l	Sept. 98	501**	315**	510**	536**	537**	188**
	Aug. 98	473	303	496	497	497	159
	Sept. 97	534	312	521	547	548	212

* Preliminary

** Estimate

NA: Not Analyzed. Plant out of service.
(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. 98	33,558	15,167	24,801	27,672	7,254
	Aug. 98	36,049	25,140	29,468	34,280	8,910
	Sept. 97	33,995	19,089	27,791	26,760	6,967
		<u>Avg.</u>	<u>Ann.</u>	<u>Treated</u>	<u>Total Fiscal</u>	
		Rate	Diff.	AF	Year to Date	
		cfs	%		AF	
<u>Total all Plants</u>						
	Sept. 98	1,823	5	108,453	370,501	
	Aug. 98	2,177	-1	133,848	262,048	
	Sept. 97	1,926	3	114,601	378,464	

RESERVOIR STORAGE

	<u>Usable</u>	<u>September 1998</u>	<u>August 1998</u>	<u>September 1997</u>	<u>Annual</u>
	Storage				Difference
	%				
<u>Distribution</u>					
Lake Mathews	77	139,532	140,151	152,706	(13,174)
Lake Skinner	88	38,537	39,677	40,713	(2,176)
Colorado River Basin					
Upper Basin	91	28,426,300	29,044,200	29,159,200	(732,900)
Lower Basin	96	27,420,600	27,345,000	26,022,900	1,397,700
(See Table E for details)					
State Water Project					
Oroville	80	2,801,847	3,029,528	2,110,090	691,757
San Luis (State)	84	900,056	873,990	461,645	438,411
Pyramid	94	156,036	156,049	153,289	2,747
Castaic	94	287,193	287,733	199,535	87,658
Silverwood	95	67,316	65,412	53,844	13,472
Perris	94	120,001	120,001	96,933	23,068
Central Valley Project					
Clair Engle	85	2,067,280	2,195,380	1,483,880	583,400
Shasta	75	3,325,270	3,589,366	2,192,510	1,132,760
Folsom	71	712,900	833,900	556,100	156,800
New Melones	87	2,098,600	2,202,000	1,819,300	279,300
San Luis (federal)	73	713,002	692,459	131,773	581,229

CONSTRUCTION PROGRESS FOR SEPTEMBER 1998

Eighteen construction contracts, having a contract value in excess of \$1 billion, were in progress during the month of September 1998. Contract earnings under these contracts were \$33,804,321 this month. Status of these contracts at the end of the month follows:

	<u>Percent Completed</u>	<u>Estimated Completion</u>
Eastside Reservoir Project - P-1 Pumping Plant	56	September 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	79	October 1999
Eastside Reservoir Project East Dam	77	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	49	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	28	March 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	60	October 1999
Standby Emergency Power Additions F. E. Weymouth Filtration Plant	61	January 1999
Inland Feeder Riverside Pipeline - South	75	March 2000
Inland Feeder Riverside Pipeline - North	40	July 2000
Union Station Headquarters Building	89	November 1998
Eastside Reservoir Project North Rim	15	December 1999
Eastside Reservoir Project Secondary Inlet	35	October 1999
San Diego Canal Fencing Removal and Replacement	82	October 1998
Garvey Reservoir Floating Cover	46	April 1999
Arrowhead West Tunnel	8	August 2002
Inland Feeder Riverside Badlands Tunnel	1	October 2003
Joseph Jensen Filtration Plant Phase 2 Landscape Site Improvements	17	March 1999

Awarded Contracts:Construction

No construction contracts were awarded this month.

Procurement

Contract No. 1505, in the amount of \$2,096,000, was awarded to Ameron International for fabricating approximately 3,179 linear feet of 145½ inch-diameter, welded steel pipe, fittings, and appurtenances. Work includes testing, applying an external coating, storing, and coordinating delivery of the pipe with the installation contractor for Stations 916+60 to 948+38.98 of the Inland Feeder Project, located in San Bernardino County.

Completed ContractsConstruction

Contract No. 1495, filter materials replacement in Module No. 1 at the Joseph Jensen Filtration Plant, was completed on September 18, 1998. The Notice of Completion was recorded on September 24, 1998.

Contract No. 1499, roof repair of Washwater Tank No. 1 at the Joseph Jensen Filtration Plant, was completed on September 21, 1998. The Notice of Completion was recorded on September 24, 1998.

Procurement

No procurement contracts were completed this month.

PRECIPITATION FOR SEPTEMBER 1998 (INCHES)

	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	0.01	0.01	0.45	-0.44	2.2%*
Los Angeles Airport	0.01	0.02	0.31	-0.30	3.2%*
San Diego Airport	0.03	0.23	0.24	-0.21	12.5%
City of Riverside	0.00	0.00	0.38	-0.38	0.0%*
City of Santa Ana	0.05	0.05	0.38	-0.33	13.2%*

SEPTEMBER TEMPERATURES (DEGREES FAHRENHEIT)

	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	81.0	66.5	73.8	73*
Los Angeles Airport	75.2	64.6	69.9	70*
San Diego Airport	74.3	66.2	70.3	71
City of Riverside	86.7	60.4	73.5	76*
City of Santa Ana	81.0	65.1	73.1	73*

* Estimates

EMPLOYMENT

Regular Employees by Division/Department

	<u>September 1997</u>	<u>September 1998</u>	<u>Difference</u>
Engineering	435	403	-32
Operations	886	826	-60
Other Divisions and Departments	<u>645</u>	<u>633</u>	<u>-12</u>
<u>Total Regular Employees</u>	1,966	1,862	-104
<u>Total Sunset Employees</u>	14	12	-2
<u>Total Two Cal Plaza Employees</u>	832	779	-53
<u>Minority Applicants</u>	21	139	118
<u>Minority New Hires</u>	2	0	-2
<u>Non-Minority Applicants</u>	24	42	18
<u>Non-Minority New Hires</u>	2	2	0

SH/bm