

April 16, 1999

To: Board of Directors**From:** General Manager**Submitted by:** Gary M. Snyder
Chief EngineerJay W. Malinowski
Chief of Operations**Subject:** Operating Data for March 1999

The following tables contain March 1999 data on Metropolitan's water and power sales and purchases, treatment plant operations, reservoir storage, construction, employment, and rainfall:

WATER SALES

TOTAL FISCAL	March 1999 AF	March 1998 AF	Year to Date AF
Total Water Sales	122,008	85,371	1,178,356
Revenue	\$46,334,692	\$34,479,995	\$447,536,951
Basic Service	103,093	68,498	960,831
Agricultural	4,003	756	83,091
Seasonal Storage	11,161	12,735	83,606
Reclaimed	3,750	2,012	50,826
Treated	72,950	66,098	850,706
Untreated	45,307	17,140	276,823

(See Table A for details. There are no Tables B and C in this report.)

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

The following table shows a comparison of totals through March 1999:

<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	143,174,447	145,398,671
Minimum	98,799,814	83,103,565	90,218,148
Power	61,976,969	47,791,665	50,136,028
Credits	<u>(63,696,000)</u>	<u>(23,728,000)</u>	<u>(17,168,156)</u>
Net SWP Costs	<u>\$240,255,231</u>	<u>\$250,341,677</u>	<u>\$268,584,691</u>

Note: Explanation of Budget-to-Date and Payments & Credits-to-Date variances:

The actual POWER costs are \$2.3 million more than budgeted because:

- the May 1998 revision in Off-Aqueduct charges;
- and lower Variable Charges.

We have received \$6.5 million less in CREDITS than we had budgeted because of DWR's delay in the processing of funds. (Note: Several credits were received after 3/31/99.)

The difference in CAPITAL and MINIMUM costs are due to the 1999 Statement of Charges being higher than information available at time of the 1998-99 budget preparation.

The 1999 Statement of Charges included unforeseen Aqueduct repair and energy deregulation costs.

POWER FOR PUMPING

The following quantities of electric energy were generated for Metropolitan's pumping system in March 1999:

Colorado River Energy	<u>Kwh</u>
Hoover Power Plant	127,688,000
Parker Power Plant	24,560,000
Subtotal	<u>152,248,000</u>
Southern California Edison (SCE) Benefit	
Energy	14,873,873
SCE Exchange Energy	10,260,000
SCE Purchased Energy	7,020,000
California Department of Water Resources	0
(DWR) Purchased Energy	
Other Purchased Energy	<u>0</u>
 Total Generated for Metropolitan	 184,401,873
Power Available to DWR	0
CRA Power Available to SCE	0

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

March 1999

PLANT	Energy Sales (Kwh)		Gross Energy Revenue	
	This Month	F. Y. To Date	This Month	F. Y. To Date
PHASE I				
Greg Avenue	0	134,400	0.00	5,706.62
Lake Mathews	3,234,000	26,916,000	137,315.64	1,131,759.06
Foothill Feeder	2,796,000	27,252,000	118,718.16	1,145,167.56
San Dimas	0	7,569,000	0.00	316,611.27
Yorba Linda	<u>2,454,000</u>	<u>22,002,000</u>	<u>104,196.84</u>	<u>924,369.36</u>
Subtotal	8,484,000	83,873,400	360,230.64	3,523,613.87
PHASES II - IV				
Sepulveda Canyon	0	7,020,000	0.00	397,217.28
Venice	0	2,871,000	0.00	177,309.96
Temescal	1,869,000	14,562,000	71,143.06	665,363.68
Corona	1,830,000	14,979,000	69,554.97	686,272.94
Perris	2,034,000	6,948,000	77,078.69	435,629.95
Rio Hondo	0	3,076,000	0.00	170,018.76
Coyote Creek	1,305,000	14,154,000	49,612.65	644,137.47
Red Mountain	84,000	21,036,000	3,351.11	1,027,447.81
Valley View	<u>0</u>	<u>1,888,000</u>	<u>0.00</u>	<u>71,189.63</u>
Subtotal	7,122,000	86,534,000	270,740.48	4,274,587.48
Total Phase I-IV	<u>15,606,000</u>	<u>170,407,400</u>	<u>630,971.12</u>	<u>7,798,201.35</u>
Etiwanda	<u>0</u>	<u>12,296,000</u>	<u>0.00</u>	<u>378,403.66</u>
Total	<u>15,606,000</u>	<u>182,703,400</u>	<u>630,971.12</u>	<u>8,176,605.01</u>

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

Quality		<u>Diemer</u>	<u>Jensen</u>	<u>Weymouth</u>	<u>Skinner Plant 1</u>	<u>Skinner Plant 2</u>	<u>Mills</u>
Hardness--mg/l as CaCO ₃	Mar. 99	291*	178*	291*	273*	271*	85*
	Feb. 99	289	177	289	287	287	96
	Mar. 98	291	139	291	282	282	82
Total Dissolved Solids--mg/l	Mar. 99	587**	331**	587**	551**	551**	189**
	Feb. 99	586	340	585	575	574	225
	Mar. 98	610	295	608	588	591	217

* 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>						
	Mar. 99	27,443	10,492	18,945	12,162	3,348
	Feb. 99	21,187	9,564	17,267	13,232	1,799
	Mar. 98	24,511	7,511	23,427	10,171	2,633
		<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>						
	Mar. 99	1,178	6	72,390	867,463	
	Feb. 99	1,136	11	63,049	795,073	
	Mar. 98	1,110	37	68,253	867,366	

RESERVOIR STORAGE

	<u>Usable</u>	<u>March 1999</u>	<u>February 1999</u>	<u>March 1998</u>	<u>Annual</u>
	Storage				Difference
	%				
<u>Distribution</u>					
Lake Mathews	83	150,966	158,290	169,561	(18,595)
Lake Skinner	85	37,226	32,760	36,543	683
Colorado River Basin					
Upper Basin	85	26,291,500	26,562,000	25,735,600	555,900
Lower Basin	94	26,880,500	27,097,400	27,244,000	(363,500)
(See Table E for details)					
State Water Project					
Oroville	83	2,911,503	2,761,845	2,782,762	128,741
San Luis (State)	99	1,061,796	1,097,317	1,063,330	(1,534)
Pyramid	98	162,483	156,273	158,716	3,767
Castaic	82	250,151	209,904	301,211	(51,060)
Silverwood	80	56,608	45,074	50,600	6,008
Perris	94	119,660	119,206	106,735	12,925
Central Valley Project					
Clair Engle	86	2,085,980	1,995,780	2,220,480	(134,500)
Shasta	84	3,747,210	3,596,937	3,437,210	310,000
Folsom	61	615,400	495,600	680,300	(64,900)
New Melones	83	1,997,500	1,972,400	1,999,100	(1,600)
San Luis (federal)	100	966,029	888,349	964,750	1,279

CONSTRUCTION PROGRESS FOR MARCH 1999

Nineteen construction contracts, having a contract value in excess of \$1 billion, were in progress during the month of March 1999. Contract earnings under these contracts were \$32,121,022 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	71	October 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	91	November 1999
Eastside Reservoir Project East Dam	86	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	72	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	49	March 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	78	December 1999
Standby Emergency Power Additions F. E. Weymouth Filtration Plant	99	April 1999
Inland Feeder Riverside Pipeline - South	97	March 2000
Inland Feeder Riverside Pipeline - North	77	July 2000
Eastside Reservoir Project North Rim	61	January 2000
Eastside Reservoir Project Secondary Inlet	75	November 1999
Garvey Reservoir Floating Cover	98	April 1999
Arrowhead West Tunnel	22	August 2002
Inland Feeder Riverside Badlands Tunnel	15	October 2003
Second Lower and Sepulveda Feeders Stray Current Drain Stations	4	September 1999
Robert A. Skinner Filtration Plant Module 3 Filter Materials Replacement	96	May 1999
Design and Construction of the Mills Warehouse	0	--
Skinner Prefabricated Warehouse Building	0	--
Eastside Reservoir Project West Dam Earthwork	3	January 2000

Awarded Contracts:

No construction or procurement contracts were awarded this month.

Completed Contracts:

No procurement contracts were completed this month.

PRECIPITATION FOR MARCH 1999 (INCHES)

	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	1.24	5.52	2.61	-1.37	47.5%
Los Angeles Airport	2.13	6.11	1.98	0.15	107.6%
San Diego Airport	NA	NA	NA	NA	NA
City of Riverside	NA	NA	NA	NA	NA
City of Santa Ana	1.12	6.15	2.23	-1.11	50.2%

MARCH TEMPERATURES (DEGREES FAHRENHEIT)

	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	64.0	49.7	56.9	60.0
Los Angeles Airport	62.1	49.2	55.7	58.0
San Diego Airport	NA	NA	NA	NA
City of Riverside	NA	NA	NA	NA
City of Santa Ana	66.6	45.5	56.1	59.0

EMPLOYMENT

Regular Employees by Division/Department

	<u>March 1998</u>	<u>March 1999</u>	<u>Difference</u>
Engineering	418	392	-26
Operations	843	802	-41
Other Divisions and Departments	<u>629</u>	<u>631</u>	<u>2</u>
<u>Total Regular Employees</u>	1,890	1,825	-65
<u>Total Sunset Employees</u>	14	6	-8
<u>Total Two Cal Plaza Employees</u>	814	1	-813
<u>Total Union Station Employees</u>	0	828	828
<u>Minority Applicants</u>	52	26	-26
<u>Minority New Hires</u>	0	1	1
<u>Non-Minority Applicants</u>	83	25	-58
<u>Non-Minority New Hires</u>	3	3	0

SH/bm:rev3
(operating data for March 1999)