

June 18, 1999

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

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

WATER SALES

TOTAL FISCAL	May 1999 AF	May 1998 AF	Year to Date AF
Total Water Sales	127,802	95,121	1,443,459
Revenue	\$45,845,068	\$31,394,795	\$550,536,980
Basic Service	94,022	46,623	1,156,728
Agricultural	3,113	2,031	94,133
Seasonal Storage	25,265	41,134	131,917
Reclaimed	5,401	3,409	60,680
Treated	86,345	64,342	1,024,378
Untreated	36,055	26,745	358,400

(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 May 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	98,799,814	100,437,800
Power	61,976,969	61,212,241	56,638,328
Credits	<u>(63,696,000)</u>	<u>(39,196,000)</u>	<u>(74,959,406)</u>
Net SWP Costs	<u>\$240,255,230</u>	<u>\$263,990,502</u>	<u>\$227,515,393</u>

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

The actual POWER costs are \$4.5 million less than budgeted because half of what was thought due in May, is actually due in June.

We have received \$35.7 million more in CREDITS than we had budgeted because of DWR paid CREDITS we expected in June in May; as well as some of them being greater than expected.

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 May 1999:

Colorado River Energy	<u>Kwh</u>
Hoover Power Plant	156,782,000
Parker Power Plant	28,192,000
Subtotal	<u>184,974,000</u>
Southern California Edison (SCE) Benefit Energy	10,037,961
SCE Exchange Energy	(8,250,000)
SCE Purchased Energy	21,995,000
California Department of Water Resources (DWR) Purchased Energy	2,044,000
Other Purchased Energy	<u>6,563,000</u>
Total Generated for Metropolitan	217,363,961
Power Available to DWR	0
CRA Power Available to SCE	0

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

PLANT	Energy Sales (Kwh)		Gross Energy Revenue	
	This Month	F. Y. To Date	This Month	F. Y. To Date
	<u>May 1999</u>			
PHASE I				
Greg Avenue	0	134,400	0.00	5,706.62
Lake Mathews	3,498,000	33,714,000	148,525.08	1,420,402.14
Foothill Feeder	2,424,000	33,360,000	102,923.04	1,404,513.24
San Dimas	783,000	10,602,000	33,246.18	445,392.45
Yorba Linda	<u>2,916,000</u>	<u>27,666,000</u>	<u>123,813.36</u>	<u>1,164,862.80</u>
Subtotal	9,621,000	105,476,400	408,507.66	4,440,877.25
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	1,638,000	17,925,000	61,551.48	792,596.45
Corona	1,560,000	18,258,000	58,639.43	810,472.28
Perris	1,494,000	9,936,000	60,762.94	554,470.00
Rio Hondo	194,000	3,270,000	7,435.07	177,453.83
Coyote Creek	723,000	16,320,000	27,107.19	726,308.52
Red Mountain	3,276,000	25,236,000	122,537.27	1,185,528.96
Valley View	<u>0</u>	<u>1,888,000</u>	<u>0.00</u>	<u>71,189.63</u>
Subtotal	8,885,000	102,724,000	338,033.38	4,892,546.91
Total Phase I-IV	<u>18,506,000</u>	<u>208,200,400</u>	<u>746,541.04</u>	<u>9,333,424.16</u>
Etiwanda	<u>4,030,000</u>	<u>20,598,000</u>	<u>64,196.19</u>	<u>501,535.45</u>
Total	<u>22,536,000</u>	<u>228,798,400</u>	<u>810,737.23</u>	<u>9,834,959.61</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	May 99	244*	174*	242*	238*	239*	86*
	Apr. 99	233	175	242	236	238	78
	May 98	215	143	206	205	207	78
Total Dissolved Solids--mg/l	May 99	506**	335**	501**	492**	489**	208**
	Apr. 99	481	333	498	481	481	189
	May 98	450	294	429	442	439	187

* 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>						
	May 99	26,686	12,305	23,844	22,490	5,858
	Apr. 99	31,773	16,190	2,262	13,268	3,540
	May 98	18,954	13,758	17,259	12,978	3,705
		<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>						
	May 99	1,483	37	91,184	1,025,679	
	Apr. 99	1,127	8	67,032	934,495	
	May 98	1,084	-44	66,654	1,007,136	

RESERVOIR STORAGE

	<u>Usable</u>	<u>May 1999</u>	<u>Apr. 1999</u>	<u>May 1998</u>	<u>Annual</u>
	Storage				Difference
	%				
<u>Distribution</u>					
Lake Mathews	91	166,002	161,680	175,534	(9,532)
Lake Skinner	87	38,315	35,357	35,703	(2,612)
Colorado River Basin					
Upper Basin	88	27,244,300	26,258,400	28,245,300	(1,001,000)
Lower Basin	92	26,308,800	26,468,900	26,984,000	(675,200)
(See Table E for details)					
State Water Project					
Oroville	98	3,424,881	3,217,362	3,272,279	152,602
San Luis (State)	81	863,250	1,011,996	1,061,876	(198,626)
Pyramid	98	162,598	156,202	163,199	(601)
Castaic	91	277,981	279,410	302,322	(24,341)
Silverwood	78	55,669	58,300	56,542	(873)
Perris	95	121,186	120,900	120,798	388
Central Valley Project					
Clair Engle	97	2,369,880	2,197,980	2,255,130	114,750
Shasta	94	4,188,710	4,140,210	4,337,796	(149,086)
Folsom	90	910,300	756,000	752,087	158,213
New Melones	83	2,020,500	1,992,000	2,112,617	(92,117)
San Luis (federal)	65	633,536	901,994	966,839	(333,303)

CONSTRUCTION PROGRESS FOR MAY 1999

Nineteen construction contracts, having a contract value in excess of \$1.2 billion, were in progress during the month of May 1999. Contract earnings under these contracts were \$33,504,233 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	80	October 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	95	November 1999
Eastside Reservoir Project East Dam	88	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	78	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	59	May 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	84	December 1999
Inland Feeder Riverside Pipeline - South	99	March 2000
Inland Feeder Riverside Pipeline - North	92	July 2000
Eastside Reservoir Project North Rim	65	January 2000
Eastside Reservoir Project Secondary Inlet	86	November 1999
Garvey Reservoir Floating Cover	99	September 1999
Arrowhead West Tunnel	23	August 2002
Inland Feeder Riverside Badlands Tunnel	18	October 2003
Second Lower and Sepulveda Feeders Stray Current Drain Stations	28	September 1999
Design and Construction of the Mills Warehouse	1	April 2000
Skinner Prefabricated Warehouse Building	19	September 1999
Eastside Reservoir Project West Dam Earthwork	42	January 2000
Joseph Jensen Filtration Plant Vehicle Maintenance and Service Center Buildings	--	--

Awarded Contracts:

Contract No. 1512, in the amount of \$6,381,000, was awarded to Merco Construction Engineers, Inc., to construct a vehicle maintenance building of approximately 13,157 square feet and a service center building of approximately 14,140 square feet at the Joseph Jensen Filtration Plant, located in Granada Hills. Work includes the supply and installation of equipment, installation of Metropolitan furnished equipment (MFE), supply and installation of communications equipment, performing grading and paving of perimeter access roads and parking areas, supply and installation of facility appurtenances, and supply and planting of local perimeter landscaping. The landscape maintenance service work shall be paid under a separate blanket order agreement. Also included in the work is the supply and installation of two electric driven main firewater pumps, the firewater system jockey pump, start/stop control systems for the three pumps and installation of yard piping.

No procurement contracts were awarded this month.

Completed Contracts:

Contract No. 1494, standby emergency power additions at the F.E. Weymouth Filtration Plant, was completed on May 1, 1999. The Notice of Completion was recorded on May 13, 1999.

No procurement contracts were completed this month.

PRECIPITATION FOR MAY 1999 (INCHES)

	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	0.02	7.77	0.19	-0.17	10.5%
Los Angeles Airport	0.00	8.68	0.14	-0.14	0.0%
San Diego Airport	0.06	6.07	0.19	-0.13	31.6%
City of Riverside	0.1	3.73	0.16	-0.06	62.5%
City of Santa Ana	0.05	7.30	0.16	-0.11	31.3%

MAY TEMPERATURES (DEGREES FAHRENHEIT)

	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	69.9	56.2	63.1	65.0
Los Angeles Airport	69.2	58.1	63.7	63.0
San Diego Airport	64.1	56.8	60.5	64.0
City of Riverside	77.8	51.9	64.9	70.0
City of Santa Ana	71.8	53.5	62.7	65.0

EMPLOYMENT

Regular Employees by Division/Department

	<u>May 1998</u>	<u>May 1999</u>	<u>Difference</u>
Engineering	408	391	-17
Operations	836	798	-38
<u>Other Divisions and Departments</u>	<u>618</u>	<u>629</u>	<u>11</u>
Total Regular Employees Full Time	1,862	1,818	-44

	<u>Total</u>	<u>Category</u>	<u>Total</u>	<u>Difference</u>
Regular District Employees Full Time	1862	A	1818	-44
Regular District Employees Part Time	5	B	4	-1
Temporary District Employees Full Time	125	C	123	-2
Temporary District Employees Part Time	16	D	16	0
Temporary District Employees Recurrent	51	E	35	-16

	<u>Total</u>	<u>Category</u>	<u>Total</u>	<u>Difference</u>
Headquarters Employees Only				
Regular District Employees Full Time	799	A	865	66
Regular District Employees Part Time	3	B	4	1
Temporary District Employees Full Time	62	C	40	-22
Temporary District Employees Part Time	12	D	15	3
Temporary District Employees Recurrent	1	E	0	-1

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