

May 14, 1999

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

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

### WATER SALES

TOTAL FISCAL	April 1999 AF	April 1998 AF	Year to Date AF
<b>Total Water Sales</b>	137,300	90,362	1,315,656
<b>Revenue</b>	\$57,154,959	\$42,289,540	\$504,691,911
<b>Basic Service</b>	101,874	67,681	1,062,705
<b>Agricultural</b>	7,928	1,136	91,019
<b>Seasonal Storage</b>	23,044	17,283	106,651
<b>Reclaimed</b>	4,452	1,996	55,279
<b>Treated</b>	87,326	69,796	938,032
<b>Untreated</b>	45,521	17,815	322,344

(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**

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The following table shows a comparison of totals through April 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	48,505,672	50,580,903
Credits	<u>(63,696,000)</u>	<u>(39,196,000)</u>	<u>(36,663,372)</u>
Net SWP Costs	<u>\$240,255,231</u>	<u>\$235,587,684</u>	<u>\$249,534,350</u>

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

The actual POWER costs are \$2.2 million more than budgeted because:

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

We have received \$2.5 million less in CREDITS than we had budgeted because of DWR's delay in the processing of funds.

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**

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

<b>Colorado River Energy</b>	<b><u>Kwh</u></b>
Hoover Power Plant	141,062,000
Parker Power Plant	26,545,000
Subtotal	<u>167,607,000</u>
Southern California Edison (SCE) Benefit	
Energy	7,635,322
SCE Exchange Energy	20,005,000
SCE Purchased Energy	5,810,000
California Department of Water Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>3,039,000</u>
Total Generated for Metropolitan	204,096,322
Power Available to DWR	0
CRA Power Available to SCE	0

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

April 1999

<u>PLANT</u>	<u>Energy Sales (Kwh)</u>		<u>Gross Energy Revenue</u>	
	<u>This Month</u>	<u>F. Y. To Date</u>	<u>This Month</u>	<u>F. Y. To Date</u>
PHASE I				
Greg Avenue	0	134,400	0.00	5,706.62
Lake Mathews	3,300,000	30,216,000	140,118.00	1,271,877.06
Foothill Feeder	3,684,000	30,936,000	156,422.64	1,301,590.20
San Dimas	2,250,000	9,819,000	95,535.00	412,146.27
Yorba Linda	<u>2,748,000</u>	<u>24,750,000</u>	<u>116,680.08</u>	<u>1,041,049.44</u>
Subtotal	11,982,000	95,855,400	508,755.72	4,032,369.59
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	1,725,000	16,287,000	65,681.29	731,044.97
Corona	1,719,000	16,698,000	65,559.91	751,832.85
Perris	1,494,000	8,442,000	58,077.11	493,707.06
Rio Hondo	0	3,076,000	0.00	170,018.76
Coyote Creek	1,443,000	15,597,000	55,063.86	699,201.33
Red Mountain	924,000	21,960,000	35,543.88	1,062,991.69
Valley View	<u>0</u>	<u>1,888,000</u>	<u>0.00</u>	<u>71,189.63</u>
Subtotal	7,305,000	93,839,000	279,926.05	4,554,513.53
Total Phase I-IV	<u>19,287,000</u>	<u>189,604,400</u>	<u>788,681.77</u>	<u>8,586,883.12</u>
Etiwanda	<u>4,272,000</u>	<u>16,568,000</u>	<u>58,935.60</u>	<u>437,339.26</u>
Total	<u>23,559,000</u>	<u>206,262,400</u>	<u>847,617.37</u>	<u>9,024,222.38</u>

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

<u>Quality</u>		<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 <sub>3</sub>	Apr. 99	235*	174*	242*	236*	234	78*
	Mar. 99	289	177	289	268	270	80
	Apr. 98	237	138	245	235	228	91
Total Dissolved Solids--mg/l	Apr. 99	483**	330*	498**	480**	478**	185**
	Mar. 99	585	341	588	544	546	184
	Apr. 98	505	291	509	503	490	238

\* 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>						
	Apr. 99	31,773	16,190	2,262	13,268	3,540
	Mar. 99	27,443	10,492	18,945	12,162	3,348
	Apr. 98	21,461	20,176	17,673	10,512	3,295
		<u>Avg. Rate</u>	<u>Ann. Diff.</u>	<u>Treated</u>	<u>Total Fiscal</u>	<u>Year to Date</u>
		cfs	%	AF	AF	
<u>Total all Plants</u>						
	Apr. 99	1,127	8	67,032	934,495	
	Mar. 99	1,178	6	72,390	867,463	
	Apr. 98	1,229	36	73,116	940,482	

## RESERVOIR STORAGE

		<u>Usable Storage</u>	<u>April 1999</u>	<u>March 1999</u>	<u>April 1998</u>	<u>Annual Difference</u>
		%				
<u>Distribution</u>						
	Lake Mathews	89	161,680	150,966	171,725	(10,045)
	Lake Skinner	80	35,357	37,226	35,927	(570)
<b>Colorado River Basin</b>						
	Upper Basin	84	26,258,400	26,291,500	26,221,600	36,800
	Lower Basin	93	26,468,900	26,880,500	27,122,000	(653,100)
(See Table E for details)						
<b>State Water Project</b>						
	Oroville	92	3,217,362	2,911,503	2,996,037	221,325
	San Luis (State)	95	1,011,996	1,061,796	1,062,223	(50,227)
	Pyramid	94	156,202	162,483	151,447	4,755
	Castaic	92	279,410	250,151	300,768	(21,358)
	Silverwood	82	58,300	56,608	54,080	4,220
	Perris	95	120,900	119,660	118,255	2,645
<b>Central Valley Project</b>						
	Clair Engle	90	2,197,980	2,085,980	2,103,017	94,963
	Shasta	93	4,140,210	3,747,210	3,945,375	194,835
	Folsom	75	756,000	615,400	760,124	(4,124)
	New Melones	82	1,992,000	1,997,500	2,052,301	(60,301)
	San Luis (federal)	93	901,994	966,029	937,588	(35,594)

## CONSTRUCTION PROGRESS FOR APRIL 1999

Nineteen construction contracts, having a contract value in excess of \$1 billion, were in progress during the month of April 1999. Contract earnings under these contracts were \$34,231,741 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	77	October 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	93	November 1999
Eastside Reservoir Project East Dam	86	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	75	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	55	April 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	80	December 1999
Standby Emergency Power Additions F. E. Weymouth Filtration Plant	99	May 1999
Inland Feeder Riverside Pipeline - South	98	March 2000
Inland Feeder Riverside Pipeline - North	87	July 2000
Eastside Reservoir Project North Rim	63	January 2000
Eastside Reservoir Project Secondary Inlet	83	November 1999
Garvey Reservoir Floating Cover	99	September 1999
Arrowhead West Tunnel	23	August 2002
Inland Feeder Riverside Badlands Tunnel	16	October 2003
Second Lower and Sepulveda Feeders Stray Current Drain Stations	16	September 1999
Design and Construction of the Mills Warehouse	0	April 2000
Skinner Prefabricated Warehouse Building	19	September 1999
Eastside Reservoir Project West Dam Earthwork	19	January 2000

### **Awarded Contracts:**

No construction or procurement contracts were awarded this month.

### **Completed Contracts:**

Contract No. 1507, filter materials replacement at the Robert A. Skinner Filtration Plant Module No. 3, was completed on April 5, 1999. The Notice of Completion was recorded on April 15, 1999.

No procurement contracts were completed this month.

## PRECIPITATION FOR APRIL 1999 (INCHES)

	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	2.23	7.75	1.03	1.20	216.5%
Los Angeles Airport	2.57	8.68	0.72	1.85	356.9%
San Diego Airport	1.62	6.01	0.79	0.83	205.1%
City of Riverside	0.92	3.63	0.74	0.18	124.3%
City of Santa Ana	1.1	7.25	0.82	0.28	134.1%

## APRIL TEMPERATURES (DEGREES FAHRENHEIT)

	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	67.3	51.8	59.6	62.0
Los Angeles Airport	65.1	51.7	58.4	60.0
San Diego Airport	64.9	53.3	59.1	63.0
City of Riverside	69.9	46.2	58.1	67.0
City of Santa Ana	69.2	48.7	59.0	62.0

## EMPLOYMENT

### Regular Employees by Division/Department

	<u>April 1998</u>	<u>April 1999</u>	<u>Difference</u>
Engineering	417	392	-25
Operations	836	803	-33
Other Divisions and Departments	<u>625</u>	<u>633</u>	<u>8</u>
<u>Total Regular Employees</u>	1,878	1,828	-50
<u>Total Sunset Employees</u>	14	5	-9
<u>Total Two Cal Plaza Employees</u>	808	3	-805
<u>Total Union Station Employees</u>	0	828	828
<u>Minority Applicants</u>	161	46	-115
<u>Minority New Hires</u>	3	2	-1
<u>Non-Minority Applicants</u>	98	66	-32
<u>Non-Minority New Hires</u>	3	7	4

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(operating data for April 1999)