

# Operating Data

July 19, 1999

**To:** Engineering and Operations Committee

**From:** General Manager \_\_\_\_\_

**Submitted by:** Gary M. Snyder  
Chief Engineer \_\_\_\_\_

Jay W. Malinowski  
Chief of Operations \_\_\_\_\_

**Subject:** Operating Data for June 1999

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

## WATER SALES

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<b>TOTAL FISCAL</b>	<b>June 1999 AF</b>	<b>June 1998 AF</b>	<b>Year to Date AF</b>
<b>Total Water Sales</b>	150,227	130,913	1,593,686
<b>Revenue</b>	\$58,468,386	\$49,357,326	\$609,005,366
<b>Basic Service</b>	123,491	111,259	1,280,219
<b>Agricultural</b>	10,502	3,659	104,635
<b>Seasonal Storage</b>	11,476	10,678	143,393
<b>Reclaimed</b>	4,757	3,284	65,437
<b>Treated</b>	101,962	90,354	1,126,340
<b>Untreated</b>	43,507	36,675	401,908

(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 June 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	110,657,452
Power	61,976,969	61,976,969	63,136,528
Credits	<u>(63,696,000)</u>	<u>(63,696,000)</u>	<u>(74,959,406)</u>
Net SWP Costs	<u>\$240,255,230</u>	<u>\$240,255,231</u>	<u>\$244,233,245</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 \$11.2 million more in CREDITS than we had budgeted because some CREDITs were 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.

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**POWER FOR PUMPING**

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

<b>Colorado River Energy</b>	<b><u>Kwh</u></b>
Hoover Power Plant	129,116,000
Parker Power Plant	<u>25,678,000</u>
Subtotal	154,794,000
Southern California Edison (SCE) Benefit Energy	14,187,810
SCE Exchange Energy	(8,525,000)
SCE Purchased Energy	51,490,000
California Department of Water Resources (DWR) Purchased Energy	0
Other Purchased Energy	<u>42,000</u>
Total Generated for Metropolitan	211,988,810
Power Available to DWR	0
CRA Power Available to SCE	0

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

PLANT	June 1999		Gross Energy Revenue	
	Energy Sales (Kwh)			
	This Month	F. Y. To Date	This Month	F. Y. To Date
<b>PHASE I</b>				
Greg Avenue	0	134,400	0.00	5,706.62
Lake Mathews	3,252,000	36,966,000	138,079.92	1,558,482.06
Foothill Feeder	2,664,000	36,024,000	113,113.44	1,517,626.68
San Dimas	2,286,000	12,888,000	97,063.56	542,456.01
Yorba Linda	<u>2,844,000</u>	<u>30,510,000</u>	<u>120,756.24</u>	<u>1,285,619.04</u>
Subtotal	11,046,000	116,522,400	469,013.16	4,909,890.41
<b>PHASES II - IV</b>				
Sepulveda Canyon	0	7,020,000	0.00	397,217.28
Venice	0	2,871,000	0.00	177,309.96
Temescal	1,731,000	19,656,000	108,489.94	901,086.39
Corona	1,716,000	19,974,000	107,886.60	918,358.88
Perris	1,899,000	11,835,000	138,830.69	693,300.69
Rio Hondo	390,000	3,660,000	24,721.85	202,175.68
Coyote Creek	462,000	16,782,000	29,723.93	756,032.45
Red Mountain	3,282,000	28,518,000	206,786.82	1,392,315.78
Valley View	<u>0</u>	<u>1,888,000</u>	<u>0.00</u>	<u>71,189.63</u>
Subtotal	9,480,000	112,204,000	616,439.83	5,508,986.74
Total Phase I-IV	<u>20,526,000</u>	<u>228,726,400</u>	<u>1,085,452.99</u>	<u>10,418,877.15</u>
Etiwanda	<u>4,315,000</u>	<u>24,913,000</u>	<u>68,778.56</u>	<u>570,314.01</u>
Total	<u>24,841,000</u>	<u>253,639,400</u>	<u>1,154,231.55</u>	<u>10,989,191.16</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 <sub>3</sub>	June 99	242*	176*	246*	243*	240*	93*
	May 99	247	172	242	240	238	85
	June 98	228	140	228	198	198	61
Total Dissolved Solids--mg/l	June 99	501**	336**	511**	494**	493**	230**
	May 99	505	334	491	491	489	207
	June 98	485	297	486	430	428	149

\* Preliminary

\*\* Estimate

(See Table D for Analysis of Water Supplies.)

## WATER PROCESSED

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		<u>Diemer</u>	<u>Jensen</u>	<u>Weymouth</u>	<u>Skinner</u>	<u>Mills</u>
		AF	AF	AF	AF	AF
<u>Individual Plant</u>						
	June 99	33,102	15,974	23,284	26,094	7,181
	May 99	26,686	12,305	23,844	22,490	5,858
	June 98	29,006	15,415	20,975	20,356	5,673
		<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>						
	June 99	1,775	15	105,634	1,131,313	
	May 99	1,483	37	91,184	1,025,679	
	June 98	1,537	20	91,425	1,098,561	

## RESERVOIR STORAGE

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		<u>Usable</u>	<u>June 1999</u>	<u>May 1999</u>	<u>June 1998</u>	<u>Annual</u>
		<u>Storage</u>				<u>Difference</u>
		%				
<u>Distribution</u>						
	Lake Mathews	92	168,038	166,002	160,356	7,682
	Lake Skinner	86	37,842	38,315	36,863	979
<b>Colorado River Basin</b>						
	Upper Basin	95	29,479,500	27,244,300	29,697,200	(217,700)
	Lower Basin	91	26,153,200	26,308,800	26,924,200	(771,000)
(See Table E for details)						
<b>State Water Project</b>						
	Oroville	97	3,389,737	3,424,881	3,485,862	(96,125)
	San Luis (State)	52	555,469	863,250	1,060,876	(505,407)
	Pyramid	93	155,564	162,598	154,472	1,092
	Castaic	88	268,393	277,981	298,665	(30,272)
	Silverwood	79	56,204	55,669	58,717	(2,513)
	Perris	95	121,460	121,186	120,844	616
<b>Central Valley Project</b>						
	Clair Engle	97	2,361,680	2,369,880	2,413,780	(52,100)
	Shasta	90	4,001,021	4,188,710	4,366,310	(365,289)
	Folsom	93	934,800	910,300	908,700	26,100
	New Melones	84	2,028,700	2,020,500	2,331,100	(302,400)
	San Luis (federal)	39	380,923	633,536	963,139	(582,216)

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**CONSTRUCTION PROGRESS FOR JUNE 1999**


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Nineteen construction contracts, having a contract value in excess of \$1.2 billion, were in progress during the month of June 1999. Contract earnings under these contracts were \$31,436,603 this month. Status of these contracts at the end of the month follows:

	<b><u>Percent Completed</u></b>	<b><u>Estimated Completion</u></b>
Eastside Reservoir Project - P-1 Pumping Plant	84	October 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	98	December 1999
Eastside Reservoir Project East Dam	89	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	81	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	36*	June 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	86	December 1999
Inland Feeder Riverside Pipeline - South	99	March 2000
Inland Feeder Riverside Pipeline - North	95	July 2000
Eastside Reservoir Project North Rim	67	January 2000
Eastside Reservoir Project Secondary Inlet	87	November 1999
Garvey Reservoir Floating Cover	99	September 1999
Arrowhead West Tunnel	23*	August 2002
Inland Feeder Riverside Badlands Tunnel	19*	October 2003
Second Lower and Sepulveda Feeders Stray Current Drain Stations	44	September 1999
Design and Construction of the Mills Warehouse	6	April 2000
Skinner Prefabricated Warehouse Building	28	September 1999
Eastside Reservoir Project West Dam Earthwork	67	January 2000
Joseph Jensen Filtration Plant Vehicle Maintenance and Service Center Buildings	3	January 2001
Robert B. Diemer Filtration Plant North Slope Remediation Settling Basin No. 8	0	0

Note: For asterisked contracts, the estimated percentage of completion is based on work performed.

**Awarded Contracts:**

Contract No. 1513, in the amount of \$2,216,764, was awarded to Mitchell Pacific Constructors, Inc., to perform north slope remediation work for Settling Basin No. 8 at the Robert B. Diemer Filtration Plant. The work includes excavating and recompacting fill material at the lower portion of the slope, reinforcing the lower portion of the slope with geosynthetic material, supporting the upper portion of the slope with a Contractor-designed, furnished and installed temporary soldier pile-tieback shoring system, construction of irrigation systems, landscape planting, landscape maintenance, and performing other appurtenant work as specified and shown on the drawings.

No procurement contracts were awarded this month.

**Completed Contracts:**

No construction or procurement contracts were completed this month.

**PRECIPITATION FOR JUNE 1999 (INCHES)**

	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	0.79	8.56	0.03	0.76	2633.03
Los Angeles Airport	0.54	9.25	0.03	0.54	1900.0%
San Diego Airport	0.04	6.11	0.07	-0.03	57.1%
City of Riverside	0.47	4.20	0.03	0.44	1566.7%
City of Santa Ana*	0.48	7.78	0.06	0.42	800.0%

**JUNE TEMPERATURES (DEGREES FAHRENHEIT)**

	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	74.6	58.0	66.3	69.0
Los Angeles Airport	70.3	60.0	65.1	66.0
San Diego Airport	66.9	58.8	62.9	67.0
City of Riverside	85.2	53.9	69.5	75.0
City of Santa Ana*	75.4	56.5	65.9	68.0

\*Estimates

## EMPLOYMENT

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### Regular Employees by Division/Department

	<u>June 1998</u>	<u>June 1999</u>	<u>Difference</u>
Engineering	411	392	-19
Operations	828	795	-33
<u>Other Divisions and Departments</u>	<u>628</u>	<u>630</u>	<u>2</u>
Total Regular Employees Full Time	1,867	1,817	-50

	<u>Total</u>	<u>Category</u>	<u>Total</u>	<u>Difference</u>
Regular District Employees Full Time	1867	A	1817	-50
Regular District Employees Part Time	4	B	4	0
Temporary District Employees Full Time	138	C	119	-19
Temporary District Employees Part Time	16	D	19	3
Temporary District Employees Recurrent	50	E	35	-15

Headquarters Employees Only	<u>Total</u>	<u>Category</u>	<u>Total</u>	<u>Difference</u>
Regular District Employees Full Time	799	A	867	68
Regular District Employees Part Time	4	B	4	0
Temporary District Employees Full Time	44	C	40	-4
Temporary District Employees Part Time	7	D	11	4
Temporary District Employees Recurrent	1	E	0	-1