

February 12, 1999

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

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

### WATER SALES

TOTAL FISCAL	January 1999 AF	January 1998 AF	Year to Date AF
<b>Total Water Sales</b>	103,132	110,427	964,269
<b>Revenue</b>	\$37,187,320	\$37,409,950	\$368,322,792
<b>Basic Service</b>	64,771	55,559	778,496
<b>Agricultural</b>	7,614	5,110	72,867
<b>Seasonal Storage</b>	24,555	45,017	62,048
<b>Seawater Barrier</b>	2,155	1,638	10,404
<b>Desalt &amp; GWR</b>	617	655	4,947
<b>Reclaimed</b>	3,417	2,446	35,505
<b>Treated</b>	77,691	58,529	714,167
<b>Untreated</b>	21,405	48,796	209,649

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

**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 January 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	77,704,647	77,704,647
Minimum	98,799,814	59,559,190	59,559,190
Power	61,976,969	29,875,214	32,579,275
Credits	<u>(63,696,000)</u>	<u>(19,236,000)</u>	<u>(17,168,156)</u>
Net SWP Costs	<u>\$240,255,231</u>	<u>\$147,903,051</u>	<u>\$152,674,956</u>

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

The POWER variance of (\$2.7) million results from the May 1998 revision in Off-Aqueduct charges and lower Variable Charges.

CREDITS have a variance of \$2.0 million due to DWR's delay in processing some refunds.

**POWER FOR PUMPING**

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

<b>Colorado River Energy</b>	<b><u>Kwh</u></b>
Hoover Power Plant	85,260,000
Parker Power Plant	20,232,000
Subtotal	<u>105,492,000</u>
Southern California Edison (SCE) Benefit Energy	11,934,183
SCE Exchange Energy	0
SCE Purchased Energy	11,999,000
California Department of Water Resources (DWR) Purchased Energy	10,868,000
Other Purchased Energy	<u>20,792,000</u>
Total Generated for Metropolitan	161,085,183
Power Available to DWR	0
CRA Power Available to SCE	0

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

**January 1999**

<b>PLANT</b>	<b>Energy Sales (Kwh)</b>		<b>Gross Energy Revenue</b>	
	<b>This Month</b>	<b>F. Y. To Date</b>	<b>This Month</b>	<b>F. Y. To Date</b>
<b>PHASE I</b>				
Greg Avenue	134,400	134,400	5,706.62	5,706.62
Lake Mathews	2,856,000	20,466,000	121,265.76	857,892.06
Foothill Feeder	2,592,000	21,564,000	110,056.32	903,655.08
San Dimas	0	7,569,000	0.00	316,611.27
Yorba Linda	<u>2,256,000</u>	<u>17,868,000</u>	<u>95,789.76</u>	<u>748,839.72</u>
Subtotal	7,838,400	67,601,400	332,818.46	2,832,704.75
<b>PHASES II - IV</b>				
Sepulveda Canyon	756,000	7,020,000	28,209.98	397,217.28
Venice	0	2,871,000	0.00	177,309.96
Temescal	1,368,000	11,046,000	50,857.65	532,415.37
Corona	1,320,000	11,493,000	49,125.70	554,418.60
Perris	0	4,914,000	0.00	358,551.60
Rio Hondo	0	3,076,000	0.00	170,018.76
Coyote Creek	1,209,000	11,649,000	45,104.91	549,338.44
Red Mountain	2,442,000	20,952,000	90,982.89	1,024,096.70
Valley View	<u>0</u>	<u>1,888,000</u>	<u>0.00</u>	<u>71,189.63</u>
Subtotal	7,095,000	74,909,000	264,281.13	3,834,556.00
Total Phase I-IV	<u>14,933,400</u>	<u>142,510,400</u>	<u>597,099.59</u>	<u>6,667,260.75</u>
Etiwanda	<u>0</u>	<u>12,296,000</u>	<u>0.00</u>	<u>378,403.66</u>
Total	<u>14,933,400</u>	<u>154,806,400</u>	<u>597,099.59</u>	<u>7,045,664.41</u>

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

<b>Quality</b>		<b>Diemer</b>	<b>Jensen</b>	<b>Weymouth</b>	<b>Skinner Plant 1</b>	<b>Skinner Plant 2</b>	<b>Mills</b>
Hardness--mg/l as CaCO <sub>3</sub>	Jan. 99	262*	174*	256*	284*	282*	77*
	Dec. 98	288	175	291	278	274	77
	Jan. 98	298	135	301	298	298	95
Total Dissolved Solids--mg/l	Jan. 99	541**	331**	529**	574**	573**	181**
	Dec. 98	582	333	592	563	553	178
	Jan. 98	622	284	622	608	609	232

\* 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>						
	Jan. 99	25,181	20,454	19,026	15,275	3,069
	Dec. 98	30,348	10,015	20,251	11,949	2,502
	Jan. 98	22,847	7,716	22,608	7,648	2,931
		<u>Avg.</u>	<u>Ann.</u>	<u>Treated</u>	<u>Total Fiscal</u>	
		<u>Rate</u>	<u>Diff.</u>	<u>AF</u>	<u>Year to Date</u>	
		cfs	%		AF	
<u>Total all Plants</u>						
	Jan. 99	1,350	30.2	83,006	732,024	
	Dec. 98	1,221	3.6	75,064	649,018	
	Jan. 98	1,037	5	63,749	728,341	

## RESERVOIR STORAGE

	<u>Usable</u>	<u>December 1998</u>	<u>November 1998</u>	<u>October 1997</u>	<u>Annual</u>
	<u>Storage</u>				<u>Difference</u>
	%				
<u>Distribution</u>					
Lake Mathews	88	160,124	145,567	150,818	9,306
Lake Skinner	74	32,721	32,663	34,742	(2,021)
<b>Colorado River Basin</b>					
Upper Basin	87	26,957,400	27,398,400	26,726,700	230,700
Lower Basin	95	27,017,000	26,922,500	27,297,400	(280,400)
(See Table E for details)					
<b>State Water Project</b>					
Oroville	78	2,738,141	2,658,239	2,625,362	112,779
San Luis (State)	103	1,104,024	1,074,242	1,068,179	35,845
Pyramid	96	160,497	154,485	162,687	(2,190)
Castaic	75	229,067	252,120	268,101	(39,034)
Silverwood	69	48,896	60,007	56,618	(7,722)
Perris	94	120,296	119,910	103,849	16,447
<b>Central Valley Project</b>					
Clair Engle	79	1,928,680	1,945,180	1,789,680	139,000
Shasta	78	3,472,310	3,153,810	3,274,410	197,900
Folsom	53	533,200	563,000	542,000	(8,800)
New Melones	82	1,976,000	1,976,900	1,925,200	50,800
San Luis (federal)	85	825,285	834,994	790,526	34,759

## CONSTRUCTION PROGRESS FOR JANUARY 1999

Seventeen construction contracts, having a contract value in excess of \$1 billion, were in progress during the month of January 1999. Contract earnings under these contracts were \$25,414,804 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	66	October 1999
Eastside Reservoir Project West Dam, Saddle Dam, and Forebay	88	November 1999
Eastside Reservoir Project East Dam	85	December 1999
Eastside Reservoir Project Inlet/Outlet Tower	64	December 1999
Inland Feeder Contract No. 2 Arrowhead East Tunnel	42	March 2002
Eastside Reservoir Project Inland Feeder Pressure Control Structure	73	December 1999
Standby Emergency Power Additions F. E. Weymouth Filtration Plant	98	February 1999
Inland Feeder Riverside Pipeline - South	93	March 2000
Inland Feeder Riverside Pipeline - North	65	July 2000
Union Station Headquarters Building	100	November 1998
Eastside Reservoir Project North Rim	45	January 2000
Eastside Reservoir Project Secondary Inlet	64	November 1999
Garvey Reservoir Floating Cover	92	April 1999
Arrowhead West Tunnel	21	August 2002
Inland Feeder Riverside Badlands Tunnel	9	October 2003
Joseph Jensen Filtration Plant Phase 2 Landscape Site Improvements	95	March 1999
Second Lower and Sepulveda Feeders Stray Current Drain Stations	2	September 1999
Robert A. Skinner Filtration Plant Module 3 Filter Materials Replacement	54	May 1999

**Awarded Contracts:**

No construction or procurement contracts were awarded this month.

**Completed Contracts:**Construction

No construction contracts were completed this month.

Procurement

No procurement.

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**PRECIPITATION FOR JANUARY 1999 (INCHES)**


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	Monthly Total	Fiscal Year Total	Monthly Normal	Difference From Normal	Percent of Normal
Los Angeles Civic Center	1.85	3.72	2.92	-1.07	63.4%
Los Angeles Airport	1.17	3.97	2.40	-1.23	48.8%
San Diego Airport	1.54	3.22	1.80	-0.26	85.6%
City of Riverside	1.11	2.06	1.80	-0.69	61.7%
City of Santa Ana	1.76	4.71	2.48	-0.72	71.0%

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**JANUARY TEMPERATURES (DEGREES FAHRENHEIT)**


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	Average Maximum	Average Minimum	Average	30-Year Normal
Los Angeles Civic Center	70.4	51.1	60.8	58
Los Angeles Airport	66.0	48.3	57.2	57
San Diego Airport	65.2	49.8	57.5	57
City of Riverside	70.6	43.3	57.0	58
City of Santa Ana	70.4	45.2	57.8	57

## EMPLOYMENT

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### Regular Employees by Division/Department

	<u>January 1998</u>	<u>January 1999</u>	<u>Difference</u>
Engineering	421	393	-28
Operations	844	806	-38
Other Divisions and Departments	<u>626</u>	<u>633</u>	<u>7</u>
<u>Total Regular Employees</u>	1,891	1,832	-59
<u>Total Sunset Employees</u>	14	6	-8
<u>Total Two Cal Plaza Employees</u>	811	177	-634
<u>Total Union Station Employees</u>	0	655	655
<u>Minority Applicants</u>	7	174	167
<u>Minority New Hires</u>	0	2	2
<u>Non-Minority Applicants</u>	7	95	88
<u>Non-Minority New Hires</u>	1	2	1

SH/bm