

- **Board of Directors**  
**Water Planning and Resources Committee**

April 11, 2000 Board Meeting

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10-4

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**Subject**

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Water Surplus and Drought Management Plan Report

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**Description**

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The Water Surplus and Drought Management (WSDM) Plan was developed in 1998 and 1999 through the Rate Refinement Process and was adopted by the Board in April 1999. It does not include an allocation plan but rather principles for an allocation plan. The issues surrounding an allocation plan are currently being discussed as part of the Strategic Planning Process. The WSDM Plan requires reports to the Board throughout the year regarding current year supply and demand conditions ([Attachment 1](#)). The Plan also created a framework for taking water resource management actions during various stages of drought and surplus conditions ([Attachment 2](#)).

This is the April Supply and Demand Report. Oral reports on preliminary water conditions were presented in February and March. Current demands for Metropolitan water are tracking above normal at around 1.95 million acre-feet (MAF) for calendar year 2000. If the remainder of the calendar year is dry, demands could be as high as 2.1 MAF. If the remainder of the calendar year is wet, estimated demands could decrease to 1.6 MAF.

The Colorado River System has a declared surplus. Therefore the Colorado River Aqueduct (CRA) is projected to be full with diversions expected to be 1.3 MAF. Projections of State Water Project (SWP) supplies have steadily increased due to recent northern precipitation. In a notice to State Water Project Contractors dated March 10, 2000, the Department of Water Resources announced an increase in State Water Project supplies from 70 percent to 100 percent of entitlement ([Attachment 3](#)). This allows Metropolitan to receive its entire year 2000 SWP order of 1.5 MAF. Metropolitan has an additional supply of approximately 0.4 MAF of carryover, interruptible, and exchange water, which brings Metropolitan's total SWP supply to 1.9 MAF. The combined CRA and SWP supply totals 3.2.

The current supply and demand balance places Metropolitan in Surplus Stage 5 of the Resource Stages and Actions Matrix ([Attachment 2](#)). Potential actions under this stage include deliveries to Diamond Valley Lake, the SWP terminal reservoirs, contractual groundwater storage, SWP Carryover Storage, the Semitropic and Arvin Edison Storage Programs, and Cyclic Storage. Based on the current supply and demand balance, the current levels of storage, and system capacity, any or all of these actions could take place in 2000. Supplies are sufficient to meet consumptive demands, make deliveries to all interruptible programs (replenishment, long-term seasonal storage, and agricultural deliveries), and deliver water to regional and local facilities for storage.

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**Policy**

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The current supply and demand balance allows Metropolitan to operate within approved WSDM Plan policies. Currently, Metropolitan is operating under the Stage 5 Surplus condition of the WSDM Plan.

**Fiscal Impact**

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Not applicable.

*Stephen M. Arakawa*  
Stephen N. Arakawa  
Acting Manager, Water Resource Management

3/20/2000  
Date

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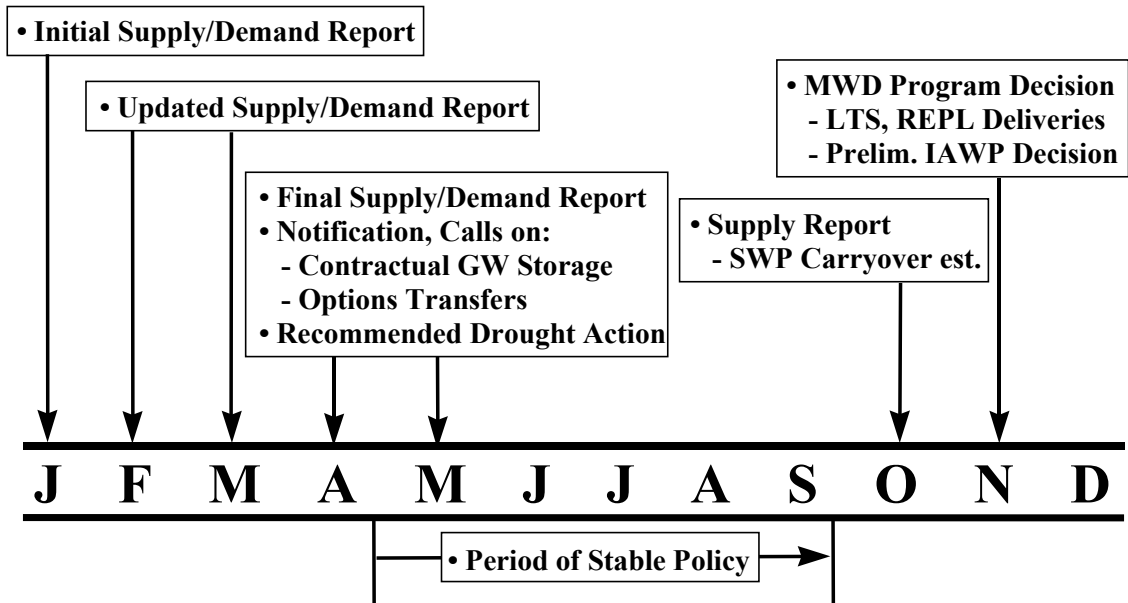
General Manager

Date

- [Attachment 1](#)
- [Attachment 2](#)
- [Attachment 3](#)

**ATTACHMENT 1**

**Supply and Demand Reports and Response Actions**



**Attachment 2**

**Resource Stages and Actions Matrix**

Surplus Stages					Actions	Shortage Stages						
<i>Surplus</i>						<i>Shortage</i>			<i>Severe Shortage</i>		<i>Extreme Shortage</i>	
5	4	3	2	1		1	2	3	4	5	6	7
					Make Cyclic Deliveries Fill Semitropic, Arvin-Edison Store supplies in SWP Carryover Fill Contractual GW Fill Monterey Res. Fill Diamond Valley Lake							
					Conduct Public Affairs Program Take from Diamond Valley Lake Take from Semitropic, Arvin-Ed. Cut LTS and Replen. Deliveries Take from Contractual GW Take from Monterey Res. Call for Extraordinary Conservation Reduce IAWP Deliveries Call Options Contracts Buy Spot Water Implement Allocation Plan*							

Potential Simultaneous Action

\*The adopted WSDM Plan only provides principles for an allocation plan

The Following 2 Pages are

Attachment 3

To Board Letter 10-4



## NOTICE TO STATE WATER PROJECT CONTRACTORS

NUMBER: 00-06

DATE: MAR 10 2000

SUBJECT: 2000 Entitlement  
Allocation Increase

FROM:   
Director, Department of Water Resources

The Department of Water Resources is pleased to announce that State Water Project supplies are projected to meet 100 percent of all SWP contractors' 2000 Table A entitlement requests. The 2000 allocation of entitlement water for long-term SWP contractors has increased from 2.88 million acre-feet to 3.62 million acre-feet. SWP contractors' Table A entitlements total 4.12 million acre-feet, of which 3.62 million acre-feet was requested. A table reflecting the new 2000 SWP allocation of entitlement water is enclosed. The Department's new approval considered several factors, including existing storage in SWP conservation reservoirs, a conservative projection of hydrology and water supply for the remainder of the 2000 calendar year based on the March 1, 2000 snow survey, SWP operational constraints, and 2000 contractor demands.

If you have any questions, please contact Dan Flory, Chief of DWR's State Water Project Analysis Office, at (916) 653-4313, or you may call Nancy Quan of his staff at (916) 653-9593.

Enclosure

**2000 STATE WATER PROJECT ALLOCATION  
(ACRE-FEET)**

SWP CONTRACTORS	2000 ENTITLEMENT			
	TABLE A (1)	INITIAL REQUEST (2)	APPROVED ALLOCATION (3)	PERCENT APPROVED ALLOCATION (3)/(2) (4)
<b>FEATHER RIVER</b>				
County of Butte	2,890	2,890	2,890	100%
Plumas County FC&WCD	1,510	1,510	1,510 a)	100%
City of Yuba City	9,600	9,600	9,600	100%
Subtotal	14,000	14,000	14,000	
<b>NORTH BAY</b>				
Napa County FC&WCD	16,325	16,325	16,325	100%
Solano County WA	39,620	39,620	39,620	100%
Subtotal	55,945	55,945	55,946	
<b>SOUTH BAY</b>				
Alameda County FC&WCD, Zone 7	68,000	68,000	68,000	100%
Alameda County WD	42,000	42,000	42,000	100%
Santa Clara Valley WD	100,000	100,000	100,000	100%
Subtotal	210,000	210,000	210,001	
<b>SAN JOAQUIN VALLEY</b>				
Oak Flat WD	5,700	5,700	5,700	100%
County of Kings	4,000	4,000	4,000	100%
Castaic Lake WA	12,700	12,700	12,700	100%
Dudley Ridge WD	53,370	53,370	53,370	100%
Empire West Side ID	3,000	3,000	3,000 a)	100%
Kern County WA	1,020,730	1,020,730	1,020,730	100%
Tulare Lake Basin WSD	118,500	118,500	118,500	100%
Subtotal	1,218,000	1,218,000	1,218,000	
<b>CENTRAL COASTAL</b>				
San Luis Obispo County FC&WCD	25,000	25,000	25,000	100%
Santa Barbara County FC&WCD	45,486	45,486	45,486	100%
Subtotal	70,486	70,486	70,486	
<b>SOUTHERN CALIFORNIA</b>				
Antelope Valley-East Kern WA	138,400	138,400	138,400	100%
Castaic Lake WA	82,500	82,500	82,500	100%
Coachella Valley WD	23,100	23,100	23,100	100%
Crestline-Lake Arrowhead WA	5,800	5,800	5,800	100%
Desert WA	38,100	38,100	38,100	100%
Littlerock Creek ID	2,300	2,300	2,300	100%
Mojave WA	75,800	75,800	75,800	100%
Metropolitan WDSC	2,011,500	1,507,136	1,507,136	100%
Palmdale WD	21,300	21,300	21,300	100%
San Bernardino Valley MWD	102,600	102,600	102,600	100%
San Gabriel Valley MWD	28,800	28,800	28,800	100%
San Geronimo Pass WA	3,000	3,000	3,000	100%
Ventura County FCD	20,000	20,000	20,000	100%
Subtotal	2,553,200	2,048,836	2,048,835	
<b>TOTAL</b>	<b>4,121,631</b>	<b>3,617,267</b>	<b>3,617,267</b>	

a) Monterey amendment not signed