



**MWD**

*METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA*

9-7

November 23, 1993

*To:* Board of Directors (Water Problems Committee--Information)  
(Engineering & Operations Committee--Information)

*From:* General Manager

*Subject:* Groundwater Recovery Program Second Annual Report

Report

This annual report on the status of the Groundwater Recovery Program (GRP) is submitted for your information. The GRP provides agencies with financial assistance of up to \$250 per acre-foot to develop and operate projects that recover contaminated groundwater to increase regional water supply reliability.

Since the GRP was adopted in April, 1991, your Board has approved participation in eight projects which are listed on the attached Table. Collectively, these projects will ultimately provide 22,000 acre-feet per year (AFY) of treated groundwater; three of these projects are currently operating. Response to the Program has been good and there are a number of new projects being considered by local and member agencies.

Metropolitan staff conducted a survey among member agencies to assess future participation in the program. Potential of about 260,000 AFY of recovered groundwater was identified. Furthermore, the program's production goal of 200,000 AFY is expected to be met by the year 2005. At that time, the cost for the recovery of contaminated groundwater would be approximately \$850 per AF on average. Metropolitan's GRP contribution that year for 44 projects would be \$37 million or \$185 per AF. Projected production and annual cost values are presented in Figures 1 and 2.

Metropolitan's maximum contribution of \$250 appears to be an adequate level of assistance to stimulate additional groundwater development. Metropolitan's contributions are recalculated annually to equal only those project costs which exceed the treated noninterruptible rate and vary widely on an individual project basis. In some cases, such as Burbank's Lake Avenue Project, the GRP

GROUNDWATER RECOVERY PROGRAM

November 1993 Status

Approved GRP Projects

	<u>Project</u>	<u>Contaminant</u>	<u>Yield (AFY)</u>
1.	Santa Monica Treatment Plant	VOC	1,800
2.	Burbank Lake Plant	VOC	2,744
3.	West Basin Desalter	TDS	1,524
4.	Oceanside Desalter No. 1	TDS	2,217
5.	Tustin Desalter	TDS	3,200
6.	Irvine Desalter	TDS	6,700
7.	Rowland GW Treatment Project	TDS/VOC	516
8.	Menifee Desalter	TDS	<u>3,360</u>
	SUBTOTAL		22,061

GRP Project Applications Under Review

	<u>Project</u>	<u>Contaminant</u>	<u>Yield (AFY)</u>
1.	Chino/SAWPA Desalter No. 1	TDS/Nitrate	12,000
2.	Beverly Hills Desalter	VOC	2,688
3. *	Arlington Desalter	TDS/Nitrate	7,200
4.	Capistrano Beach Desalter	TDS	<u>1,372</u>
	SUBTOTAL		23,260
	TOTAL		<u>45,321</u>

\* Project to be transferred from Local Projects Program to Groundwater Recovery Program

contribution is marginal, however participation provides a needed level of assurance to the city that its groundwater treatment project will not cost more than the alternative of buying water from Metropolitan. Additionally, some groundwater recovery is occurring without participation in the GRP, such as in South Gate and Pomona, where the project unit costs are lower than Metropolitan's water rate. Staff is proactively working with member agencies to ensure that the program is fully considered in their project planning.

We have now entered the operational stage of GRP and are seeking to improve our administrative procedures as we gain experience. For example, although a significant effort was made to develop a standard GRP agreement, we anticipate improving it based upon feed-back from participating agencies.

Overall, the program is increasing regional water supply reliability. As an adjunct benefit, GRP is facilitating containment and clean-up of contaminated groundwater plumes within Southern California.

#### Board Committee Assignments

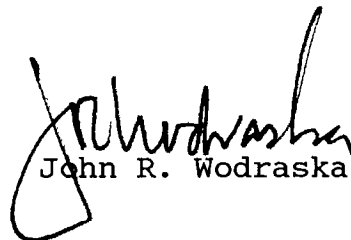
This letter is referred for information to:

The Water Problems Committee pursuant to Sections 2481(d) and (i) of Metropolitan's Administrative Code granting it authority regarding policies dealing with the sale and delivery of water for various uses, and underground storage of water and the use thereof; and

The Engineering and Operations Committee pursuant to Section 2431(c) of Metropolitan's Administrative Code granting it authority regarding facilities for the production, exchange, sale, storage and treatment of water.

#### Recommendation

For information only.

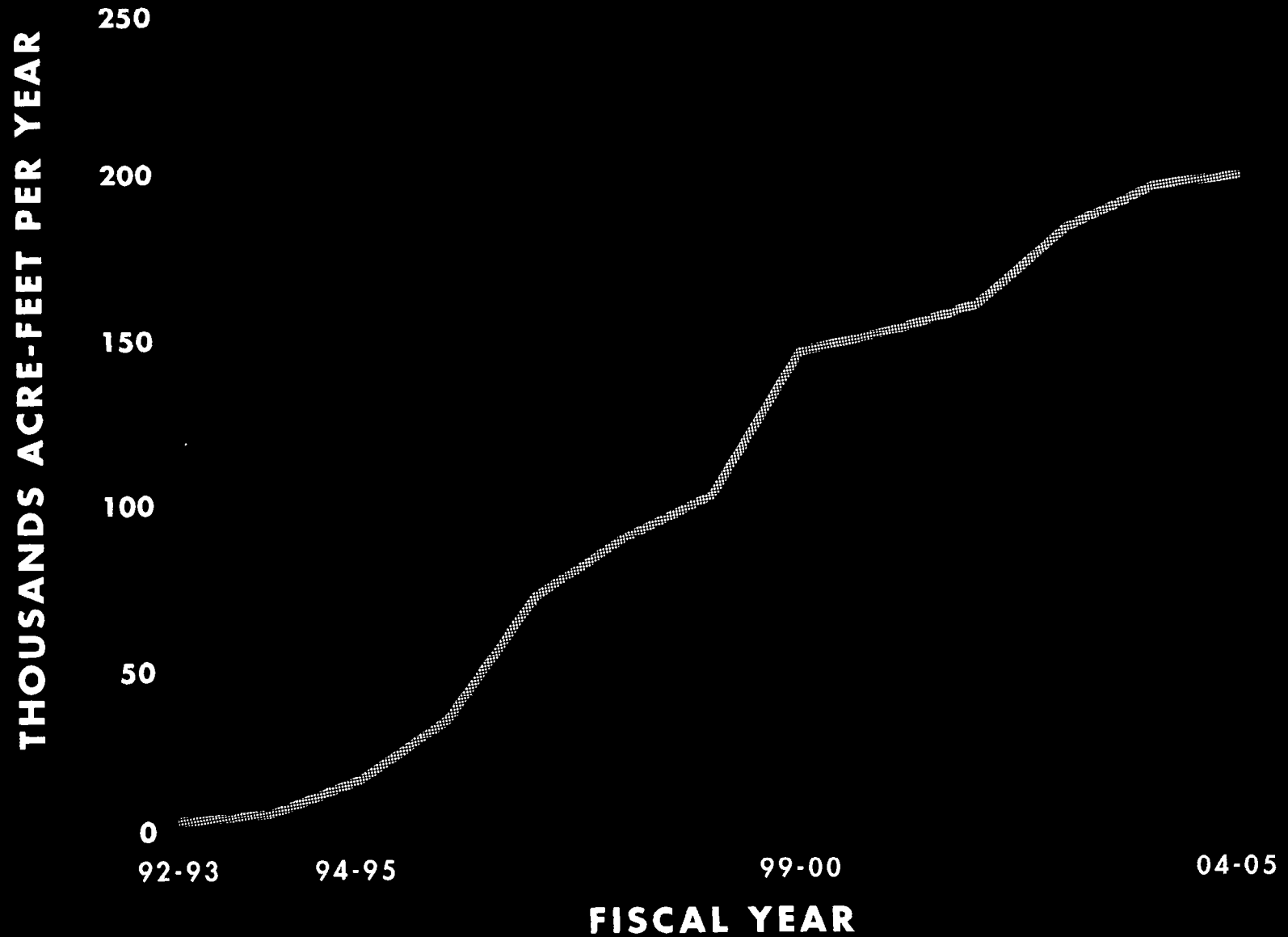
  
John R. Wodraska

JFV:bvf

Attachments

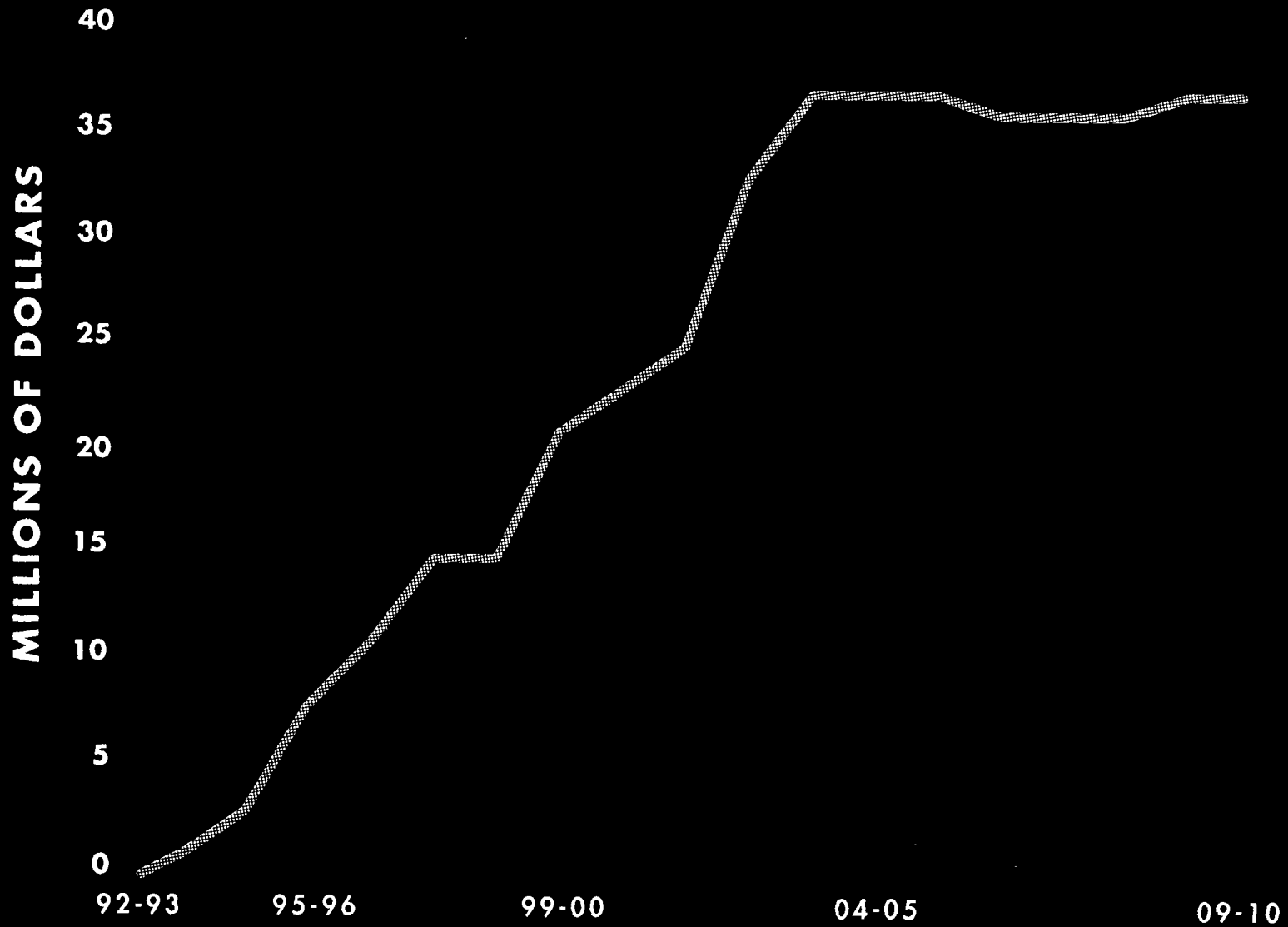
# GROUNDWATER RECOVERY PROGRAM PRODUCTION

## SECOND ANNUAL REPORT



FISCAL YEAR  
Figure 1

# GROUNDWATER RECOVERY PROGRAM MWD'S CONTRIBUTION SECOND ANNUAL REPORT



FISCAL YEAR  
Figure 2