



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

8-7

January 27, 1998

**To:** Board of Directors (Budget and Finance Committee--Action)  
(Engineering and Operations Committee--Information)  
(Water Planning and Resources Committee--Information)

**From:** *for* General Manager

*Edward J. M...*  
*Debra C. Man*

**Submitted by:** Debra C. Man, Chief  
Planning and Resources

**Subject:** Funding for Phase II of the Metropolitan/Calleguas Groundwater Storage and  
Conjunctive-Use Program

**Reference:** Appropriation No. 15272/Authorization No. 2

## **RECOMMENDATION**

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It is recommended that your Board increase Appropriation No. 15272 by \$25 million to complete Phase II of the Metropolitan/Calleguas Groundwater Storage and Conjunctive-Use Program.

## **EXECUTIVE SUMMARY**

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In June 1995, Metropolitan entered into an agreement (Agreement), authorized by your Board, with the Calleguas Municipal Water District (Calleguas) for the Metropolitan/Calleguas Groundwater Storage and Conjunctive-Use Program (Program). This Agreement calls for Metropolitan and Calleguas to build and operate a total of 30 Aquifer Storage and Recovery (ASR) wells and appurtenant facilities under the Groundwater Storage Program and Phase I and Phase II of the System Reliability Development activities. Calleguas and Metropolitan will build 10 ASR wells under the Groundwater Storage Program, five ASR wells under Phase I of the System Reliability Development, and 15 wells under Phase II of the System Reliability Development.

At the June 1995 meeting, your Board authorized Appropriation No. 15272 for \$6 million to fund Phase I of the System Reliability Development. As part of Phase I of the Program and using funds from Appropriation No. 15272, Calleguas has drilled five ASR wells in the basin. Calleguas has begun constructing Grimes Canyon Feeder No. 1, the pipeline that will connect the ASR wells with its delivery system. Calleguas has tested the five wells and provided Metropolitan with this data, which shows that the wells will perform within the predicted parameters. It is anticipated that Phase I will be completed during the coming summer months.

With Phase I of the Program nearing completion, Calleguas has moved forward aggressively with Phase II. Calleguas has purchased 220 acres of land near the Phase I site and has drilled four pilot holes that will be future well sites. Calleguas will ultimately put 12 ASR wells at this site. In addition, Grimes Canyon Feeder No. 2, the pipeline that will connect the Phase II wells with Grimes Canyon Feeder No. 1, is at 90 percent design. It is recommended that your Board increase Appropriation No. 15272 by \$25 million for Phase II of the Program. This would be sufficient funding to complete Phase II of the Program. According to the terms of the agreement, these funds will be disbursed to Calleguas after the facilities are constructed.

## **DETAILED REPORT**

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Contractual Groundwater Storage Programs are an integral component of Metropolitan's Integrated Water Resource Plan (IRP). The IRP calls for Metropolitan to develop contractual groundwater storage programs, and, where practical and economical, provide multiple water delivery routes to all parts of the service area. Implementing Phase I and Phase II of the System Reliability Development and the Groundwater Storage Program with Calleguas meets these two IRP goals. It will also improve water supply reliability in Metropolitan's entire service area and specifically improve reliability by providing groundwater storage and a second point of delivery for treated water service for Calleguas. Located along the northwestern boundary of Metropolitan's service area, Calleguas' population of 450,000 people is connected to Metropolitan by a single conduit, the West Valley Feeder No. 2, which passes through areas of seismic activity. An outage of this single pipeline would leave Calleguas without a water supply from Metropolitan.

At the June 1995 meeting, your Board authorized Appropriation No. 15272 for \$6 million to fund Phase I of the System Reliability Development. As part of Phase I of the Metropolitan/Calleguas Groundwater Storage and Conjunctive-Use Program (Program) and using funds from Appropriation No. 15272, Calleguas has drilled five ASR wells in the basin. Calleguas has began constructing Grimes Canyon Feeder No. 1, the pipeline that will connect the ASR wells with its delivery system. Calleguas has tested the five wells and provided Metropolitan with this data, which shows that the wells will perform within the predicted parameters. It is anticipated that Phase I will be completed during the coming summer months. In addition, Metropolitan and Calleguas have stored approximately 26,000 acre-feet of water in the basin through in-lieu means.

With Phase I of the Program nearing completion, Calleguas has moved forward aggressively with Phase II. Calleguas has purchased 220 acres of land near the Phase I site and has drilled four pilot holes that will be future well sites. Calleguas will ultimately install 12 ASR wells at this site. In addition, Grimes Canyon Feeder No. 2, the pipeline that will connect the Phase II wells with Grimes Canyon Feeder No. 1, is at 90 percent design. It is recommended that your Board increase Appropriation No. 15272 by \$25 million for Phase II of the Program. This would be sufficient funding to complete Phase II of the Program. According to the terms of the agreement, these funds will be disbursed to Calleguas after the facilities are constructed.

RLH/cl

Re: Appropriation No. 15272

Per Bob Harding, the letter of January 27, 1998, should be for Authorization No. 2 instead of 3.

Initial authorization:	\$6 million
Authorization No. 1:	\$2 million
Authorization No. 2:	\$25 million

Monies are from the Pay-As-You-Go Fund.

February 1998