



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

7-6

September 29, 1997

To: Board of Directors (Engineering and Operations--Action)
(Organization & Personnel Committee--Action)
(Executive Committee--Action)

From: *for* General Manager

Edward J. Meo, III

Submitted by: *K* Kevin L. Wattier
Director of Business Development

Kevin L. Wattier

Subject: Approval to Respond to the Request for Assistance from Calleguas Municipal Water District for Metropolitan's Professional Services to Help Safeguard its Water Delivery Systems.

RECOMMENDATION

It is recommended that the Board of Directors authorize Metropolitan to provide reimbursable services for studies, design, construction support, and other related professional services in an amount not to exceed \$1.1 million to Calleguas Municipal Water District pursuant to a contract approved as to form by the General Counsel, and authorize all ancillary activities necessary to implement the agreement.

EXECUTIVE SUMMARY

Calleguas Municipal Water District experienced a major break on its Unit 4 prestressed concrete pipeline several months ago. This has resulted in concern about the integrity and reliability of the portions of its water delivery system and desire to take immediate action to improve system reliability. After Metropolitan forces assisted in the emergency repairs, it was agreed to develop an assessment and cost-effective corrective action plan as soon as possible.

Over the past few months, the Calleguas staff have met with Metropolitan staff to determine the size and scope of the pipeline reliability issues. All agreed that there was not a single, quick solution. Metropolitan staff briefed the Engineering and Operations Committee about the situation in July and August.

A joint team from Calleguas and Metropolitan has identified a phased action plan consisting of surge protection to be implemented this winter and spring, plus a longer term pipeline replacement program. This pipeline Reliability Program may result in Metropolitan

providing up to \$1.1 million in services to Calleguas through calendar year 1998 for all of the surge protection portion and preliminary design for the pipeline replacement portion of the Pipeline Reliability Program.

All services to be provided pursuant to this authorization will be performed under a contract providing for full reimbursement to Metropolitan for staff time and resources used in completing the work. Specific tasks, detailed on the attached "Proposal to Provide Services", include preparing a surge protection specification and providing related project management, design, and construction support and contract administration, and perhaps in the future assisting Calleguas in the development of a preventive maintenance services. Of particular importance is the urgency of this work as it relates to the Unit 4 Pipeline. Some work tasks must be performed during the Calleguas' annual shutdown schedule when water demands are low.

This work program meets the Board-adopted criteria for business practices and Member Agency services. It relates to Metropolitan's core mission, uses existing resources, and is fully reimbursable. This work is expected to be completed by the end of calendar year 1998. The approach to this type of master 'umbrella' agreement with task orders is similar to that of Metropolitan's Fee for Service contract with Department of Water Resources and is subject to independent audit by both Metropolitan and Calleguas.

PROPOSAL TO PROVIDE SERVICES

Requester: Calleguas Municipal Water District, a Member Agency

Services Requested: PIPELINE RELIABILITY PROGRAM

(1) Unit 4 Surge Protection System

Preliminary Design
Final Design
Construction Support
Contract Administration

(2) Unit 4 Pipeline Replacement

Studies/Preliminary Design
Development of Project Management Plan

(3) Preventative Maintenance Program Development

(4) Related services

Purpose: Calleguas Municipal Water District desires Metropolitan's technical and professional engineering services to help ensure the reliability of their water delivery systems. This will be completed through a flexible work program, of pre-approved Task Orders, schedules and estimates submitted by Metropolitan and approved by Calleguas.

Resources Required: Existing staff resources will be used, and depending on the Task Order, will include engineers, technicians and administrative staff.

Risk and Mitigation: Metropolitan's work will be covered under the new Professional Services and Product Liability Insurance; work performed by Calleguas or its consultants will be covered by their liability insurance or warranties.

Contract Value: Not to exceed \$1.1 million.