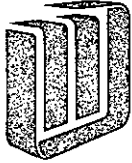


JAN 14 1992

Table 1 Revised



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*Green E. Duff*  
EXECUTIVE SECRETARY

8-5  
REVISION

December 17, 1991

To: Board of Directors (Engineering and Operations Committee--Action)  
(Finance and Insurance Committee--Action)  
(Organization and Personnel Committee--Action)

From: General Manager

Subject: Revisions to Appropriations Nos. 556, 558, 559, and 561 to  
Complete Feasibility Studies and Environmental Documentation;  
and Authorization to Execute Agreement to Provide Consulting  
Services under Appropriation No. 599.

Report

Metropolitan's budget objectives for fiscal year 1991-92 include the completion of feasibility studies and environmental documentation for the Central Pool Augmentation and Water Quality Project (Appropriation No. 556), the South Riverside/San Diego County Area Study (Appropriation No. 558), the Inland Feeder Study (Appropriation No. 559), and the San Joaquin Reservoir Improvement Project (Appropriation No. 561). Preparation of an Environmental Impact Report (EIR) for the Westside Area Study (Appropriation No. 599) is also scheduled to begin. Completion of these studies and environmental processes is consistent with the project priorities and deferrals contained in the Capital Deferral Program budget reviewed by your Board in December 1991.

Environmental documents needed to satisfy California Environmental Quality Act (CEQA) requirements and, in the case of projects involving Federal lands to satisfy the National Environmental Policy Act (NEPA), are scheduled to be released for public review during this fiscal year for the Central Pool Augmentation and Water Quality Project; for San Diego Pipeline No. 6 (proposed for the South Riverside/San Diego County area); and for the Inland Feeder. A revised Draft EIR for the San Joaquin Reservoir Improvement Project is also scheduled for public review this fiscal year. Preparation of an EIR for the Westside Area Study is scheduled to begin this fiscal year and to be released for public review in 1993. The attached figure shows the environmental documentation schedules for these projects.

An increase in Appropriation Nos. 556, 558, 559, and 561 as contained in the Capital Improvement Deferral Program

budget will permit completion of the respective environmental documents, facility plans, and right-of-way studies in advance of site acquisition. The requested appropriations are summarized in Table 1. The budgeted cost for the remaining studies and documents for these projects is \$5,471,000. A cost breakdown of the requested appropriation for each project is shown in Tables 2 through 5. Funding these additional costs would increase the combined appropriations from \$10,695,000 to \$16,166,000. Funds for the recommended appropriations would be derived from 1991 Revenue Bond Construction Fund.

For the Westside Area Study, an environmental study is required to initiate preparation of the EIR. Twelve firms responded to Metropolitan's Request for Qualifications. Of five firms invited to submit proposals and participate in oral interviews, Dames & Moore, an affirmative action employer, was identified as the most qualified firm to perform the required studies. The work will be performed for a fee not to exceed \$600,000. Dames and Moore's fee schedule is shown in Attachment 1. Funds are available under existing Appropriation No. 599 to pay for this work.

Actions requested by this letter are exempt from the provisions of CEQA because they involve feasibility and planning studies for possible future actions which your Board has not yet approved. Acquisitions of lands to reserve project sites or for mitigation purposes will be presented for consideration by your Board after completion of right-of-way studies and environmental documentation.

#### Board Committee Assignments

This letter was referred for action to:

The Engineering and Operations Committee because of its jurisdiction over (1) the initiation, scheduling, contracting, and performance of construction programs and (2) the providing of storage and distribution facilities and connections for the delivery of water, pursuant to Administrative Code Section 2413(b) and (d);

The Finance and Insurance Committee because of its jurisdiction over the authorization of appropriations pursuant to Administrative Code Section 2441(d); and

The Organization and Personnel Committee because of its jurisdiction over the terms and conditions of employment of all consultants pursuant to Administrative Code Section 2431(d).

Recommendations**ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.**

It is recommended that the General Manager be authorized to have all work performed, other than consultant agreements over \$250,000, to prepare additional feasibility studies and environmental documentation for the Central Pool Augmentation and Water Quality Project under Appropriation 556, for the South Riverside/San Diego County Area Study under Appropriation 558, for the Inland Feeder Study under Appropriation 559, and for the San Joaquin Reservoir Improvement Project under Appropriation No. 561.

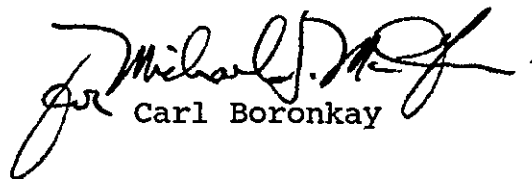
It is recommended that the General Manager be authorized to enter into an agreement with Dames and Moore for an amount not to exceed \$600,000, in form approved by the General Counsel, to perform consulting services to prepare the EIR for the West Valley Area Study under Appropriation 599.

**FINANCE AND INSURANCE COMMITTEE FOR ACTION.**

It is recommended that the Board authorize a combined increase of \$5,471,000 in Appropriations Nos. 556, 558, 559, and 561 as shown in Table 1, from the 1991 Revenue Bond Construction Fund to perform feasibility studies and environmental documentation, and right-of-way studies in advance of site acquisition.

**ORGANIZATION AND PERSONNEL COMMITTEE FOR ACTION.**

It is recommended that the General Manager be authorized to enter into an agreement with Dames and Moore for an amount not to exceed \$600,000, in form approved by the General Counsel, to perform consulting services to prepare the EIR for the West Valley Area Study under Appropriation 599.

  
Carl Boronkay

ACK/led/SBD13

Attachments

Figure 1

PLANNING DIVISION STUDIES  
ENVIRONMENTAL DOCUMENTATION SCHEDULE

Project	1991-92						1992-93											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Central Pool Augmentation and Water Quality Project		Draft EIR/EA			Public Review		Final EIR/EA											
South Riverside/San Diego Counties Area Study	Administrative Draft EIR			Draft EIR		Public Review		Final EIR										
Inland Feeder Study		Draft EIR/EA		Public Review		Final EIR/EA												
San Joaquin Reservoir Improvement Project	Revised Draft EIR		Public Review		Final EIR													
West Valley Area Study				Environmental Studies							Administrative Draft EIR		Draft EIR	Public Review			Final EIR	

Table 1

## SUMMARY OF CAPITAL PROGRAM REQUESTS

Program	Appropriation No.	Current Appropriation	Requested Appropriation Increase	Requested Appropriation Total
Central Pool Augmentation and Water Quality Project	556	\$2,180,000	\$1,471,000	\$3,651,000
South Riverside/San Diego Counties Area Study	558	2,365,000	1,300,000	3,665,000
Inland Feeder Study	559	5,770,000	2,330,000	8,100,000
San Joaquin Reservoir Improvement Project	561	380,000	370,000	750,000
<b>Total</b>		<b>10,695,000</b>	<b>5,471,000</b>	<b>16,166,000</b>

Table 2

**REQUESTED APPROPRIATION INCREASE FOR THE  
CENTRAL POOL AUGMENTATION AND WATER QUALITY PROJECT  
(APPROPRIATION No. 556)**

Cost Requirement	Requested Appropriation Increase
Engineering and Geotechnical Investigations	\$375,000
Environmental Studies and Mitigation	256,000
Preparation of EIR/EA	150,000
Public Involvement	40,000
Right-of-Way Studies in Advance of Site Acquisition	500,000
Metropolitan Staff (labor, additives, overhead, and miscellaneous)	150,000
<b>Total</b>	<b>\$1,471,000</b>

**Program Description:** The Central Pool Augmentation and Water Quality Project is the proposed system of facilities to augment treated water service to the Central Pool. The project is also planned to meet proposed new drinking water quality standards, to make water deliveries in to the central pool more reliable, and to enhance groundwater replenishment programs. Lake Mathews would provide the source water to the project, which would be treated and conveyed into south Orange County, relieving the Diemer plant to serve other parts of the Central Pool service area. Under the current appropriation, project alternatives have been evaluated through the preparation of an EIR and an Environmental Assessment (EA) under the requirements of CEQA and NEPA. An administrative draft EIR/EA has been completed. An increased appropriation as anticipated and included in the Capital Improvement Deferral Program budget is needed to complete the EIR/EA documentation process, to finalize detailed facility plans, to refine cost estimates for the tunnels, pipelines, and treatment plant, and to conduct right-of-way studies in advance of acquisition of certain key facility sites.

**Notes:**

1. Requested increase in appropriation does not include cost for land acquisition.
2. Requested increase in appropriation does not include additional costs for preservation or restoration of habitat for the California Gnatcatcher which may be required if listed on the Federal Endangered Species list.

Table 3

**REQUESTED APPROPRIATION INCREASE FOR THE  
SOUTH RIVERSIDE/SAN BERNARDINO COUNTY AREA STUDY  
(APPROPRIATION No. 558)**

Cost Requirement	Requested Appropriation Increase
Engineering and Geotechnical Investigations	\$380,000
Environmental Studies and Mitigation	300,000
Preparation of EIR	154,200
Public Involvement	20,000
Metropolitan Staff (labor, additives, overhead, and miscellaneous)	445,800
<b>Total</b>	<b>\$1,300,000</b>

**Program Description:** The South Riverside/San Diego County Area Study is defining the future facilities needed to meet the supplemental water needs of Southern Riverside and San Diego Counties. San Diego Pipeline No. 6 is the proposed facility for these service areas to respond to pressing concerns regarding resource management, system reliability, and water quality. San Diego Pipeline No. 6 would convey water from Lake Skinner to an existing SDCWA diversion structure north of the City of San Marcos. An EIR for the project is being prepared in coordination with SDWCA. An increased appropriation as anticipated and included in the Capital Improvement Deferral Program budget is needed to continue efforts according to project schedule to evaluate the alternative alignments for San Diego Pipeline No. 6 through preparation of the EIR, including geotechnical feasibility investigations, pipeline facility plans, and right-of-way assessments.

**Note:**

1. Requested increase in appropriation does not include cost for land acquisition.

Table 4

**REQUESTED APPROPRIATION INCREASE FOR THE  
INLAND FEEDER STUDY  
(APPROPRIATION No. 559)**

Cost Requirement	Requested Appropriation Increase
Engineering and Geotechnical Investigations	\$480,000
Environmental Studies and Mitigation	300,000
Preparation of EIR/EA	550,000
Public Involvement	150,000
Right-of-Way Studies in Advance of Site Acquisition	100,000
Metropolitan Staff (labor, additives, overhead, and miscellaneous)	750,000
<b>Total</b>	<b>\$2,330,000</b>

**Program Description:** The Inland Feeder is a proposed major raw water conveyance facility required by 1998 to convey additional State Project Water from the enlarged East Branch of the California Aqueduct to the Metropolitan distribution system. The 30- to 40-mile tunnel/pipeline will provide system reliability by linking together the State Project and Colorado River Aqueduct Systems, improve water quality by blending State Project and Colorado River waters, and conveying available water for storage in groundwater basins and surface water reservoirs for use during peak summer demands, drought, or emergency conditions. Under the current appropriation, the feasibility of alternative alignments for the Inland Feeder have been evaluated and an EIR/EA is being prepared jointly by Metropolitan and the U.S. Forest Service under the requirements of CEQA and NEPA. An increased appropriation as anticipated and included in the Capital Improvement Deferral Program budget is needed to complete a joint EIR/EA document, initiate federal/state permitting, complete detailed layout and siting of tunnel and pipeline facilities, construction cost estimates, and schedules, and accomplish right-of-way studies in advance of land acquisition.

**Note:**

1. Requested increase in appropriation does not include cost for land acquisition.



Table 5

**REQUESTED APPROPRIATION INCREASE FOR THE  
SAN JOAQUIN RESERVOIR IMPROVEMENT PROJECT  
(APPROPRIATION No. 561)**

Cost Requirement	Requested Appropriation Increase
Environmental Studies and Mitigation	\$30,000
Preparation of EIR	60,000
Public Involvement	40,000
Metropolitan Staff (labor, additives, overhead, and miscellaneous)	100,000
Contingencies	140,000
<b>Total</b>	<b>\$370,000</b>

**Program Description:** The San Joaquin Reservoir is a large, uncovered finished water reservoir with a history of water quality problems. The goal of the San Joaquin Reservoir Improvement Project is to improve water quality to meet current and more stringent drinking water regulations anticipated in the 1990s. The project is also intended to better integrate the reservoir into Metropolitan's distribution system so that it may meet growing water demands in its service area. Under the current appropriation, a draft EIR evaluating alternative solutions has been prepared and circulated for public review. The alternatives include floating, inflatable, and rigid reservoir covers; treatment facility; and no project. Due to public comment and identification of additional project alternatives, a revised draft EIR is under preparation. An increased appropriation as anticipated and included in the Capital Improvement Deferral Program budget is needed to complete the revised draft and final EIR, to finalize detailed facility plans, and to refine cost estimates for the project.

SANTA BARBARA OFFICE  
DAMES & MOORE  
1991 HOURLY BILLING RATE\*

<u>Employee</u>	<u>Grade</u>	<u>U.S. \$/Hr</u>
Hargis, Dean	Partner	175.00
Grivetti, Mark	Associate	128.10
Gray, John T.	Associate	135.32
Cleland, Jamie	Associate	135.32
Folks, Cynthia	Senior	99.24
Quan-Handley, Patty	Senior	91.12
Fates, Gib	Senior	86.60
Olson, Thomas E.	Project	79.38
Papilion, Denny	Project	77.56
Arnold, Brian W.	Project	77.56
Zukin, Jeff	Project	75.78
Apple, Rebecca	Project	75.78
Winterfeld, Gus	Project	75.78
Lowery, Dan	Project	70.36
York, Andy	Project	64.96
Gerber, Joyce	Project	61.36
Gasperini, Michele	Project	59.54
Plost, Laura	Project	57.72
Mitchell, Don	Staff	57.72
Trask, M. Melinda	Staff	57.72
Walker, Susan S.	Staff	54.12
Alessi, Nicole	Staff	54.12
Cameron, Scott	Staff	50.66
Martin, Stephanie	Staff	49.64
Klinger, Jeffrey S.	Assistant	47.82
Mosley, Belen	Admin.	64.96
Driscoll, Kathy	Admin.	55.94
Adair, Victoria	Admin.	52.34
Nott, Betty L.	Admin.	45.12
Larson, Laura	Support	46.00
Denniston, David	Support	45.78
Hudson, Lucinda C.	Support	43.72
Krohn, Eve N.	Support	41.52
Rapier, Joy L.	Support	41.52
Hanson, Scott D.	Support	37.88
Foglestrom, Laurie C.	Support	37.64
Paul, David	Support	43.30
Rollins, Larry	Support	34.72
Soberano, Darla	Support	31.72

Burrell, Theresa	Support	37.52
Kingdom, Kristine E.	Support	30.00
Naegele, Kirt	Support	28.00
Naegele, Kristen	Support	28.00
Banner, Loren	Graphics	46.91
Jarabin, Paula	Graphics	45.06

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 \* These billing rates are in effect from 4/1/91 to 3/30/92. This list may be updated during the course of the new year if there are any new employees or promotions.



## SCHEDULE OF CHARGES UNITED STATES

The compensation to Dames & Moore for our professional services is based upon and measured by the following elements, which are computed as set forth below.

### 1.0 PERSONNEL CHARGES

1.1 Charges for employees are computed by multiplying the total direct salary cost of our personnel (expressed as an hourly rate) by a factor of 2.5. The total direct salary cost shall be a sum equal to the direct payroll cost (computed by dividing the annual payroll cost by 1,940 hours) plus 40 percent of same to cover payroll taxes, insurance incident to employment, sick leave and other employee benefits. The time of a partner or retained consultant devoted to the project is charged at an assigned billing rate.

1.2 The 40 percent employee benefit factor is used for work performed by personnel assigned to offices in the United States. For work performed by personnel in our offices in other countries, it will vary depending on the employee benefits paid in the particular location.

1.3 When outside the United States, employees' and partners' total direct salary cost will be increased by the premium customarily paid by other organizations for work at the location.

1.4 Time spent in either local or inter-city travel, when travel is in the interest of the work, will be charged for in accordance with the foregoing schedule; when traveling by public carrier, a maximum charge of eight hours per day will be made.

### 2.0 EQUIPMENT CHARGES

2.1 Computer control of project costs will be billed at a rate of \$1.25 per each \$50 of job charges or fraction thereof.

2.2 Other Dames & Moore equipment, if used, will be billed at the rates noted in the proposal. Where not noted in the proposal, equipment will be billed in accordance with the published rates in the current Dames & Moore Equipment Rate Catalog.

### 3.0 OTHER SERVICES AND SUPPLIES

3.1 Charges for services, equipment and facilities not furnished directly by Dames & Moore, and any unusual items of expense not customarily incurred in our normal operations, are computed as follows:

3.1.1 Cost plus 10 percent includes shipping charges, subsistence, transportation, printing and reproduction, long distance communication, miscellaneous supplies and rentals.

3.1.2 Cost plus 15 percent includes surveying services, land drilling equipment, construction equipment, testing laboratories, contract labor.

3.1.3 Cost plus 25 percent includes aircraft, watercraft, helicopter and marine drilling equipment and operation.