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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

7-6

February 25, 1997

To: Board of Directors (Budget and Finance Committee--Action)
 (Organization and Personnel Committee--Action)
 (Water Planning and Resources Committee--Action)

From: General Manager Edward S. Messitt III

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

Subject: Authorization to Enter into an Agreement with Bookman-Edmonston Engineering, Inc., for an Amount not to Exceed \$250,000 to Conduct the Phase II Salinity Management Study

RECOMMENDATION

It is recommended that your Board authorize the General Manager, subject to approval in form by the General Counsel, to enter into an Agreement with Bookman-Edmonston Engineering, Inc. to conduct the Phase II Salinity Management Study as anticipated under RFP No. 243 dated December 1996, for an amount not to exceed \$250,000, of which \$100,000 will be reimbursed by the U.S. Bureau of Reclamation.

EXECUTIVE SUMMARY

Approval of the recommendation of a contract with Bookman-Edmonston Engineering, Inc., in an amount not to exceed \$250,000, will enable Metropolitan to formulate and evaluate salinity management options for future policy decisions by your Board. Phase II will build off findings of the Phase I study which identified problems and salinity management needs of the service area. A Phase I Progress Report is being submitted to your Board under a separate letter this month. The total estimated cost of consultant services for the Salinity Management Study is \$450,000. The U.S. Bureau of Reclamation has agreed to provide \$200,000 of matching funds for consultants and an additional \$50,000 of matching in-kind services for the study effort through September 1998. The Phase II effort is expected to be completed in December 1997, and a Board workshop would follow shortly thereafter. Phase II costs will be included in the Fiscal Year 1997-98 budget.

BRIEF DESCRIPTION

Under Phase I, Metropolitan assessed salinity problems and salinity management needs of agencies in the service area. Phase II will use and expand, where necessary, Phase I findings to formulate and evaluate alternative salinity management strategies for consideration by

your Board. Strategies are anticipated to address three future time frames: (1) short-term actions, (2) filling of Eastside Reservoir, and (3) long-term salinity management strategies.

Possible salinity management actions include: imported water blending and delivery strategies, expanded local source control over salt inputs to sewer collection systems, improved regulatory practices, expanded source control efforts for imported water systems, selective demineralization projects, advances in demineralization technology and development of regional brine disposal systems. Various combinations of these and other possible actions will be structured into practical alternatives in pursuit of a comprehensive salinity management approach for the region. Analyses will address an array of pertinent topics including: cost, operational capability, and physical constraints; legal, regulatory, and institutional constraints; expected salinity concentrations; residential, industrial, and agricultural needs and benefits; water recycling; and groundwater salt balance. Member agencies and other concerned parties will be invited to participate in the formulations and analyses leading to staff's recommendations. The Phase II effort is expected to be completed in December 1997, and a Board workshop would follow shortly thereafter.

Bookman-Edmonston Engineering, Inc. was selected based on the qualifications of its staff and subconsultant team as well as a superior approach to consensus building among the stakeholders which Metropolitan must bring together to achieve a workable salinity management strategy. Exhibit A summarizes staff's evaluations of the three proposals received.

<p>RFP Statistics <u>25</u> Firms Requested RFP <u>3</u> Firms Submitted Proposals <u>3</u> Firms were Short-Listed</p> <p>Contracts with Consultant <input checked="" type="checkbox"/> Total No. <u>5</u> <input checked="" type="checkbox"/> Maximum dollar Amount \$580,000</p>	<p>Evaluation Criteria</p> <p>Knowledge, experience and skills in performing the requested services; methodology; quality of proposal; modifications; MBE/WBE participation; interviews; and presentation.</p> <p>Contractual Details <input checked="" type="checkbox"/> Anticipated Duration <u>1 year</u> <input type="checkbox"/> Hourly Rates</p>
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The consultant's fee schedule is contained in Exhibit B. The subconsultant team includes:

Subconsultant	Expertise
<p>HYA Engineering So & Associates Engineers, Inc. The Solis Group Lee and Ro Inc. Frank Dryden</p>	<p>Water Recycling Wastewater Systems Meeting Facilitator and Agency Outreach Economics and Wastewater Regional Board Practices</p>

Subconsultant	Expertise
Dick Sudak Paul Puckorius Water and Landscape Consultants	Desalination Technology Industrial Water Use Horticulture

Contract Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Amended Contract Form <input type="checkbox"/> Lease <input checked="" type="checkbox"/> Professional Services	Funding <input type="checkbox"/> Capital-Appropriation No. <input checked="" type="checkbox"/> O & M Budget Status <input checked="" type="checkbox"/> FY 96-97 Amount <u>\$30,000</u> <input checked="" type="checkbox"/> Out-Year Amount <u>\$120,000</u> <input checked="" type="checkbox"/> Non-Budget Amount <u>\$120,000*</u>	Type of Competition <input type="checkbox"/> RFQ <input checked="" type="checkbox"/> RFP NO.243 <input type="checkbox"/> Informal RFP <input type="checkbox"/> Other Competition <input type="checkbox"/> Sole Source
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*To be included in FY 1997-98 budget. Note, \$100,000 of additional funds to be received from U.S. Bureau of Reclamation for Phase II.

PURPOSE/BACKGROUND

The management of salinity in Metropolitan's imported water has been a matter of discussion for many years. High salinity levels in water adversely affects water recycling, groundwater management, compliance with wastewater discharge requirements, residential plumbing and appliances, industrial water use, and agriculture. Recently, Metropolitan has been operating its system following temporary criteria for blending lower salinity State Project water with Colorado River water during certain months of the year. The purpose of the Salinity Management Study is to develop recommendations for your Board regarding salinity management strategies for the future, based on a comprehensive assessment of regional factors. The study is being conducted under two distinct phases:

- Phase I Identify problems and salinity management needs of the service area
- Phase II Formulate and evaluate salinity management strategies

The U.S. Bureau of Reclamation has agreed to provide \$200,000 of matching funds and an additional \$50,000 of matching in-kind services for the study. Phase II consultant costs would be \$250,000. Metropolitan's share of the Phase II costs is \$150,000, of which \$30,000 is from 1996-97 Planning and Resources budget and \$120,000 will be included in the Fiscal Year 1997-98 budget. Staff is exploring the possibility of obtaining additional federal or State assistance in the study, as well as, coordinating study activities with related investigations by local agencies. Phase I, which is nearing completion, is being accomplished under a \$200,000 agreement with Bookman-Edmonston Engineering, Inc.

The Phase II effort will build upon the collaborative study framework established in Phase I through participation by numerous concerned agencies.

MBE/WBE

RFP No. 243 established certified Minority-Owned Business Enterprise (MBE) and certified Women-Owned Business Enterprise (WBE) participation goals at 15 percent and 5 percent, respectively. Bookman-Edmonston Engineering, Inc. has committed to achieve 20 percent certified MBE participation and 8 percent certified WBE participation. MBE/WBE participation firms are listed in Exhibit C.

CEQA COMPLIANCE/ENVIRONMENTAL DOCUMENTATION

The proposed study is exempt from the California Environmental Quality Act because it does not involve activities effecting environmentally sensitive assets.

ACTIONS AND MILESTONES

Actions and milestones for the Salinity Management Study are as follows:

Action	Milestone
Start Phase I	August 1996
Draft Issue Papers	December 1996
Phase I Report	February 1997
Start Phase II	March 1997
Formulate Alternatives	May 1997
Analyze Alternatives	September 1997
Draft Recommendations	October 1997
Phase II Report	December 1997
Board Workshop	January 1998
Board Action	March 1998

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Attachments

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EXHIBIT A

**Evaluation Summary for RFP No. 243 Phase II
of the Salinity Management Study**

Firm	Written Proposal							Presentation (Total 80 pts)	Ranking
	Experience (25 pts)	Skills (25 pts)	Methodology (25 pts)	Quality of Proposal (10 pts)	Modifications (5 pts)	MBE/WBE Participation (10 pts)	Total (100 pts)		
Bookman-Edmonston	22.4	22.2	21.8	9.4	1.2	10	87	69.75	1
B	20.8	22.4	22.6	8	3.8	10	87.6	62.4	2
C	0.8	1.2	0.4	0.8	0.2	0	3.4	4	3

Note: Scores listed above represent average scores of five members in the evaluation committee.

EXHIBIT B

Fee Schedules

CONSULTANT

CLASSIFICATION	HOURLY BILLING RATE
BOOKMAN-EDMONSTON	
Managing Executive Consultant	\$160
Principal Executive Consultant	\$144
Executive Engineer	\$135
Supervising Engineer	\$115
Hydrogeologist	\$112
Senior Engineer	\$ 95
Associate Engineer	\$78
Assistant Engineer	\$60
CADD Manager	\$75
Senior CADD Operator	\$63
CADD Operator	\$47
Technician I	\$42
Technician II	\$47
Technician III	\$63
Administrative/Clerical	\$42

SUBCONSULTANTS

CLASSIFICATION	HOURLY BILLING RATE
<i>HYA ENGINEERS</i>	
Principal	\$126
Senior Manager	121
Manager	110
Senior III	105
Senior II	97
Senior I	88
Associate II	77
Associate I	68
Assistant	58
Intern/Aide	48
Designer/CADD	58
Drafter II	53
Drafter I	44
Admin. Analyst	40
WP II	34
WP I	29
Auto CADD	20
<i>LEE & RO. INC.</i>	
Chief Engineer	\$ 135
Managing Engineer	\$ 125
Supervising Engineer	\$ 115
Principal Engineer	\$ 105
Senior Engineer	\$ 95
Engineer	\$ 82
Associate Engineer	\$ 70
Assistant Engineer	\$ 60
Engineer Trainee	\$ 50
Supervising CAD/Designer	\$ 82
Lead CAD/Designer	\$ 70
Senior CAD/Draftsperson	\$ 60
CAD/Draftsperson	\$ 50
Assistant CAD/Draftsperson	\$ 42
CAD/Draftsperson Trainee	\$ 36
Contract Administrator	\$ 94
Asst. Contract Administrator	\$ 70
Administrative Assistant	\$ 50
Word Processor	\$ 42
Clerk/Office Aide	\$ 31

SUBCONSULTANTS

CLASSIFICATION	HOURLY BILLING RATE
<i>THE SOLIS GROUP</i>	
Terry Solis	\$ 90
Gail Portrey	\$85
<i>SO & ASSOCIATES</i>	
Wilson So	\$ 110
Michael Prodegaczy	\$ 90
Staff Engineering	\$ 65
<i>SEPARATION PROCESSES INC.</i>	
Richard Sudak	\$125
G. F. Poole	125
A. E. Wesner	100
<i>PUCKORIUS AND ASSOCIATES</i>	
Paul Puckorius	\$115
<i>FRANK DRYDEN</i>	
Frank Dryden	\$100
<i>WATER AND LANDSCAPE CONSULT.</i>	
Randall Ismay	\$100

EXHIBIT C

MBE/WBE Participation for: Bookman-Edmonston Engineering, Inc.

Project Goals:	<u>MBE</u>	<u>WBE</u>
	15%	5%

<u>Subconsultant</u>	<u>Type of Services:</u>	<u>Participation:</u>	
		<u>MBE</u>	<u>WBE</u>
The Solis Group	Technical Support	-	8%
Lee & Ro, Inc.	Technical Support	20%	-
<i>*So & Associate</i>	<i>Technical Analysis</i>	<u>12%</u>	<u>-</u>
	Total Participation:	32%	8%

*So & Associates was not certified at the time of proposal submission, but will provide services in conjunction with this agreement.