OTAY WATER DISTRICT
ENGINEERING, OPERATIONS & WATER RESOURCES COMMITTEE MEETING
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
Board Room

Wednesday
April 22, 2009
11:30 A.M.

This is a District Committee meeting. This meeting is being posted as a special meeting in order to comply with the Brown Act (Government Code Section §54954.2) in the event that a quorum of the Board is present. Items will be deliberated, however, no formal board actions will be taken at this meeting. The committee makes recommendations to the full board for its consideration and formal action.

AGENDA

1. ROLL CALL

2. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

INFORMATION / ACTION ITEMS

3. APPROVE A PROFESSIONAL CONSULTING SERVICES CONTRACT TO ICF JONES & STOKES FOR THE OTAY MESA RECYCLED WATER SUPPLY LINK SYSTEM PIPELINES PROJECT IN AN AMOUNT NOT-TO-EXCEED $213,087 (COBURN-BOYD) [10 minutes]

4. APPROVE A PROFESSIONAL ENGINEERING SERVICES CONTRACT TO AECOM FOR THE MIDDLE SWEETWATER RIVER BASIN GROUNDWATER WELL PILOT PROJECT IN AN AMOUNT NOT-TO-EXCEED $1,065,037 (PEASLEY) [10 minutes]

5. ADJOURNMENT

BOARD MEMBERS ATTENDING:
Gary Croucher, Chair
Larry Breitfelder

All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

The Agenda, and any attachments containing written information, are available at the District's website at www.otaywater.gov. Written changes to any items to be considered at the open meeting, or to any attachments, will be posted on the District's website. Copies of the Agenda and all attachments are also available through the District Secretary by contacting her at (619) 670-2280.

If you have any disability that would require accommodation in order to enable you to participate in this meeting, please call the District Secretary at 670-2280 at least 24 hours prior to the meeting.

Certification of Posting

I certify that on April 17, 2009 I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of Otay Water District, said time being at least 24 hours in advance of the meeting of the Board of Directors (Government Code Section §54954.2).

Executed at Spring Valley, California on April 17, 2009.

Susan Cruz, District Secretary

AGENDA ITEM 3

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	May 13,2009
SUBMITTED BY:	Lisa Coburn-Boyd LCB Environmental Compliance Specialist	PROJECT:	R2058-001101 DIV. NO. 1&2 R2077-001101 R2087-001101
	Ron Ripperger Engineering Manager		
APPROVED BY: (Chief)	Rod Posada Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña Assistant General Manager, Engineering and Operations		
SUBJECT:	Award of a Professional Environmental Consulting Services Contract for the Otay Mesa Recycled Water Supply Link System Pipelines Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board awards a Professional Environmental Consulting Services Contract to ICF Jones & Stokes for the Otay Mesa Recycled Water Supply Link System Pipelines Project in an amount not to exceed $213,087 (see Attachment B for location maps).

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board approval authorizing the General Manager to enter into a Professional Environmental Consulting Services Contract in an amount not to exceed $213,087 to ICF Jones & Stokes for the Otay Mesa Recycled Water Supply Link Pipelines Project.

ANALYSIS:

The District is committed to expanding the use of recycled water in order to minimize its overall demand for potable water. One of the areas not currently served with recycled water is the Otay Mesa service area. In order to expand our distribution

system to supply this area, the Otay Mesa Recycled Water Supply Link Project is currently being designed. This project consists of three pipelines, the Wueste Road pipeline (R2058), the Alta Road pipeline (R2077), and the Airway/La Media Road pipeline (R2088). Once they are constructed, these pipelines will convey recycled water to the Otay Mesa 860 Pressure Zone.

The environmental compliance for the project is a necessary component of the planning and design phases. A Request for Proposals to provide the environmental review and compliance for the construction of the three pipelines was issued on January 26, 2009 to twelve consulting firms. These twelve firms submitted Letters of Interest and Statements of Qualifications in response to the advertisement for environmental services for the project. On February 12, 2009, five proposals were received from the following firms, RECON, Helix Environmental Planning, PBS&J, ICF Jones & Stokes, and BRG Consulting.

In accordance with the District's Policy 21, staff evaluated and scored all written proposals and selected the top three firms (PBS&J, BRG Consulting, and ICF Jones & Stokes) for formal oral interviews. The interview selection panel was comprised of five (5) Staff members. After completion of the interviews, the panel completed the consultant ranking process and concluded that ICF Jones & Stokes was the most qualified consultant, with the best overall proposal. References for ICF Jones & Stokes were checked and received high ratings. A summary of the complete evaluation is shown in Attachment C.

District Staff met with ICF Jones & Stokes to negotiate the fee and review the proposed scope of work. Mutual understanding of the District's expectations and desired results were achieved, resulting in a lower revised fee. Staff is very confident that ICF Jones & Stokes will perform to a very high level.

FISCAL IMPACT:

The funding for the environmental compliance for the Otay Mesa Recycled Water Supply Link Project will be available from the budgets of the CIP projects, R2058, R2077, and R2087. The approved total budget for R2058 is $2,876,234 and expenditures to date are $37,315. The approved total budget for R2077 is $4,079,349 and expenditures to date are $68,145. The approved total budget for R2087 is $2,038,249 and the expenditures to date are $73,240.

The Project Manager has determined that the funds available in the budgets will be sufficient for the environmental services contract and will be used proportionally to the extent of environmental work needed for each pipeline. A portion of the funds will be expended in FY 2009, but the majority of the funds will be expended in FY 2010.

STRATEGIC GOAL:

This project supports the District's Mission Statement, "To provide the best quality of water and wastewater service to the customers of the Otay Water District in a professional, effective, and efficient manner." This project also supports the District's strategic goal of creating a comprehensive environmental program that is proactive in response to environmental compliance.

LEGAL IMPACT:

None.

Mark Watton

General Manager

P:\WORKING\CIP R2058\Staff Reports\BD 05-13-09, Staff Report, Otay Mesa Pipelines Environmental Contract, (LC-B-RR).doc

Attachments: Attachment A
Attachment B
Attachment C

ATTACHMENT A

SUBJECT/PROJECT: R2058-001101 R2077-001101 R2087-001101	Award of a Professional Environmental Consulting Services Contract for the Otay Mesa Recycled Water Supply Link System Pipelines Project

COMMITTEE ACTION:

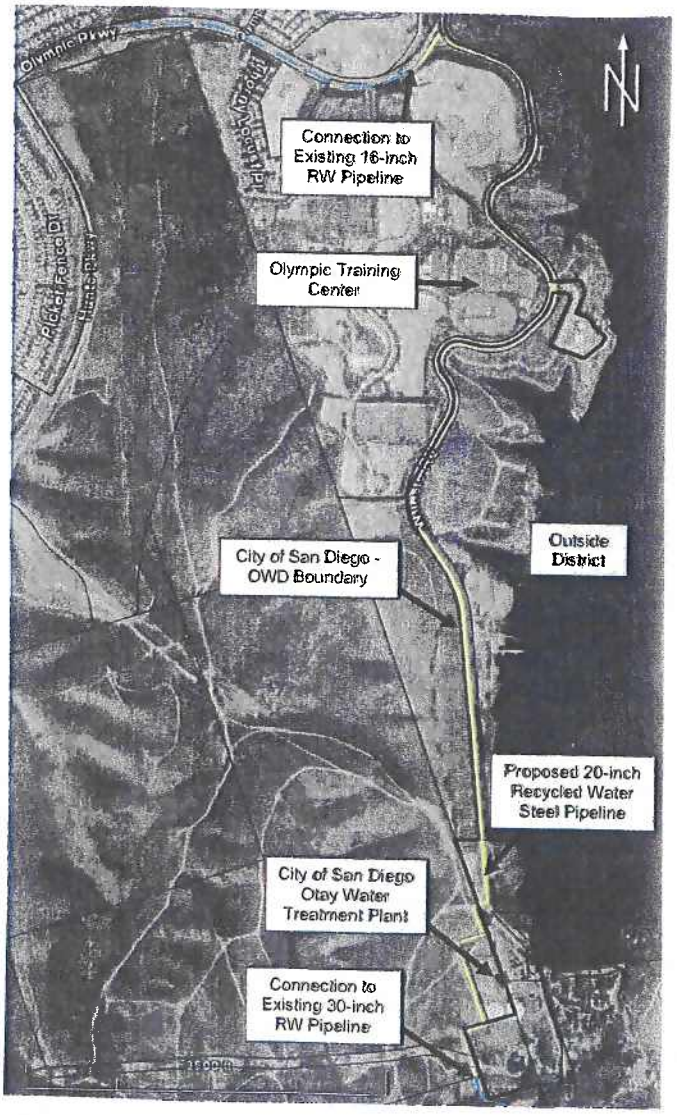
The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on April 22, 2009. The Committee supported Staff's recommendation.

NOTE:

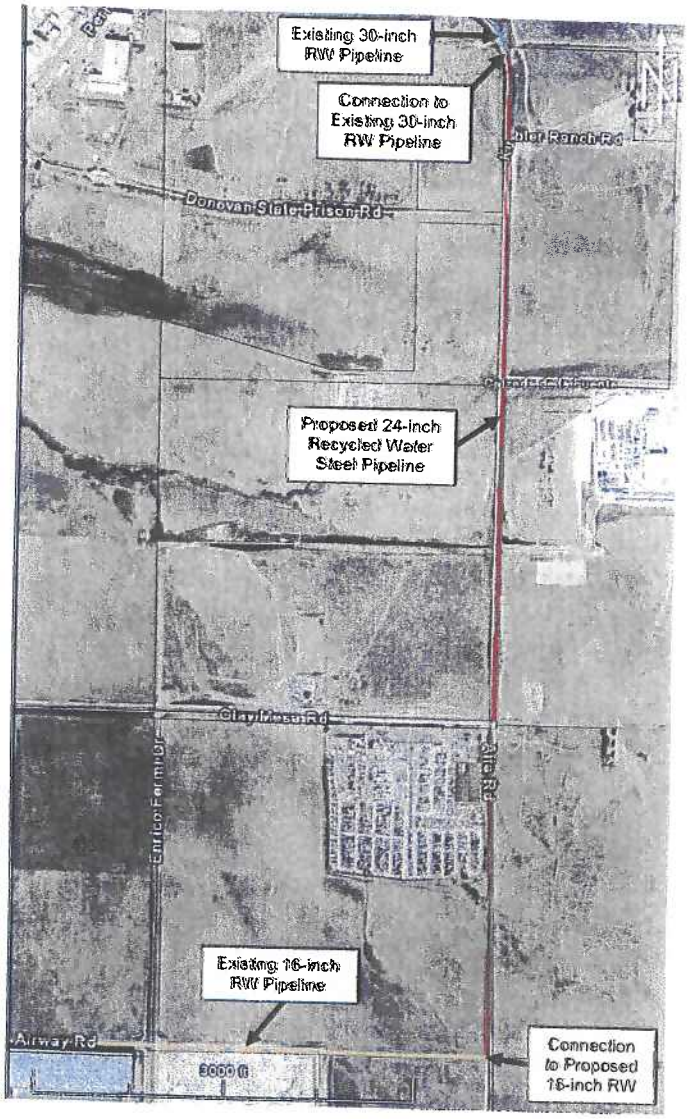
The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

Attachment B

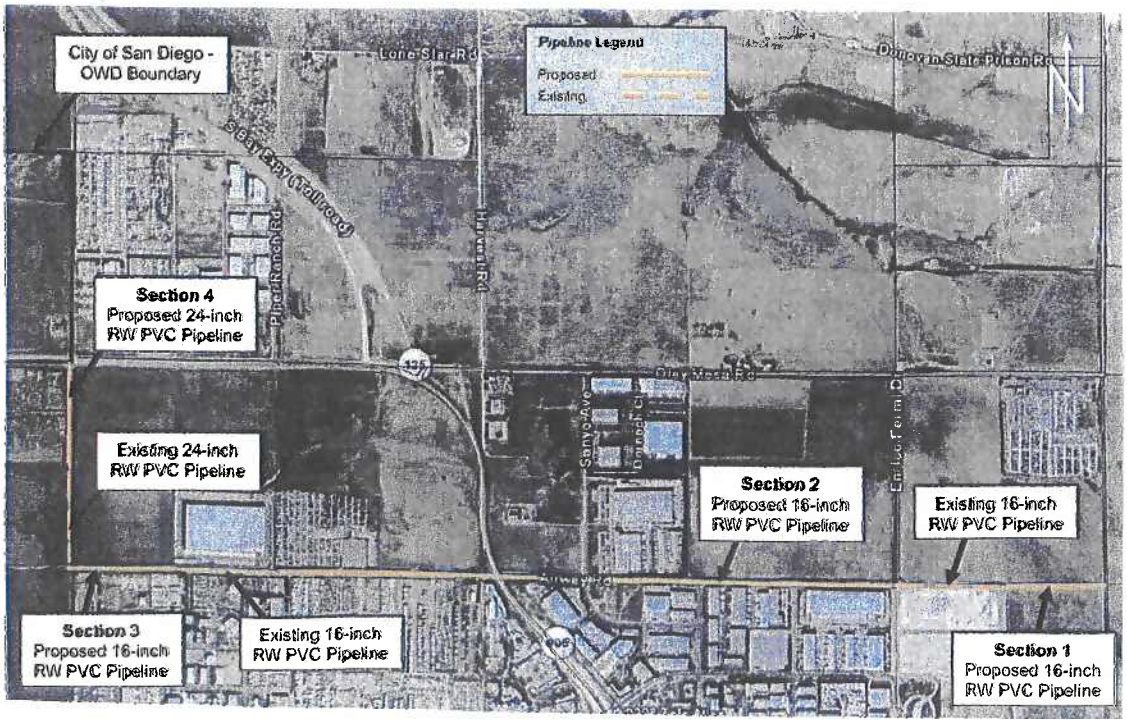
R2087 Wueste Rd. Pipeline



R2077 Alta Rd. Pipeline



R2058 Airway/La Media Rd. Pipeline



Attachment C

SUMMARY OF PROPOSAL RANKINGS BY PANEL MEMBERS

< Otay Mesa Recycled Water Supply Link Pipelines Project>

		WRITTEN							ORAL*						
		Qualifications of Staff	Understanding of scope, schedule, resources	Soundness and Viability of Proposed Project Plan	Proposed Fee	Consultant's commitment to DBE	SUBTOTAL	AVERAGE SUBTOTAL SCORE	Additional creativity, insight to issues	Strength of project manager	Presentation, communication skills	Quality of response to questions	TOTAL SCORE	AVERAGE SCORE	References
SCORE		20	20	25	35	Y/N	100		15	15	10	10	150 **		Pass/Fail
BRG	*Lisa Coburn-Boyd*	18	17	20	33	Y	88	88	12	11	7	7	125	125	
	Roger Holly	17	18	22	33		90		11	12	8	7	128		
	Daniel Kay	17	18	22	33		90		12	11	7	7	127		
	Bob Kennedy	18	16	18	33		85		10	11	7	7	120		
	Ron Ripperger	17	17	22	33		89		11	11	6	7	124		
Helix	*Lisa Coburn-Boyd*	19	17	22	19	Y	77	76							
	Roger Holly	15	17	21	19		72								
	Daniel Kay	18	17	22	19		76			Did Not Interview					
	Bob Kennedy	20	16	20	19		75								
	Ron Ripperger	18	18	23	19		78								
Jones & Stokes	*Lisa Coburn-Boyd*	20	19	24	21	Y	84	81	15	14	10	10	133	128	Pass
	Roger Holly	17	18	21	21		77		14	14	10	9	124		
	Daniel Kay	18	19	24	21		82		14	14	10	10	130		
	Bob Kennedy	20	19	24	21		84		15	14	10	10	133		
	Ron Ripperger	17	17	21	21		76		13	13	9	9	120		
Kleinfelder	*Lisa Coburn-Boyd*	10	13	14	29	Y	66	75							
	Roger Holly	16	16	19	29		80								
	Daniel Kay	19	17	19	29		84			Did Not Interview					
	Bob Kennedy	16	12	14	29		71								
	Ron Ripperger	10	15	18	29		72								
PBS&J	*Lisa Coburn-Boyd*	14	13	13	35	Y	75	84	10	11	8	6	110	116	
	Roger Holly	17	18	20	35		90		10	11	7	7	125		
	Daniel Kay	17	18	23	35		93		9	11	6	6	125		
	Bob Kennedy	16	13	15	35		79		6	6	5	5	101		
	Ron Ripperger	15	15	20	35		85		11	11	7	7	121		
RECON	*Lisa Coburn-Boyd*	16	17	18	19	Y	70	69							
	Roger Holly	15	17	18	19		69								
	Daniel Kay	17	16	18	19		70			Did Not Interview					
	Bob Kennedy	16	14	16	19		65								
	Ron Ripperger	15	15	20	19		69								

Consultant	Proposed Fee	% Above Lowest Fee	Score	Adjusted Fee
PBS&J	$187,311	Lowest Fee	35	
BRG	$190,592	0-10%	33	
Kleinfelder	$234,855	21-30%	29	
Jones & Stokes	$319,059	81%-90%	17	$213,078
RECON	$320,052	81%-90%	17	
HELIX	$324,444	101%-110%	17	

PM Signature: Lisa Coburn-Boyd

Engineering Manager: Ron Ripperger

AGENDA ITEM 4

STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	May 13, 2009
SUBMITTED BY:	James Peasley Engineering Manager	PROJECT No.	P2129-001101 DIV. No. ALL
APPROVED BY: (Chief)	Rod Posada Chief, Engineering		
APPROVED BY: (Asst. GM):	Manny Magaña Assistant General Manager, Engineering and Operations		
SUBJECT:	Award a Professional Engineering Services Contract to AECOM for the Middle Sweetwater River Basin Groundwater Well Pilot Project		

GENERAL MANAGER'S RECOMMENDATION:

That the Otay Water District (District) Board awards a Professional Engineering Services Contract to AECOM for the Middle Sweetwater River Basin Groundwater Well Pilot Project (MSR Well Pilot Project) in an amount not to exceed $1,065,037 (see Attachment B for project location map).

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To obtain Board approval authorizing the General Manager to enter into a Professional Engineering Services Contract with AECOM in an amount not to exceed $1,065,037 for the MSR Well Pilot Project.

ANALYSIS:

At the February 4, 2009 Board Meeting staff presented a Staff Report that provided information regarding the proposed MSR Well Pilot Project.

The development and/or acquisition of potential groundwater supply projects by the District have evolved and have been resurrected in response to the regional water supply issues related to climatological, environmental, legal, and other challenges that have impacted regional water source supply conditions, such as the court rulings regarding the Sacramento-San Joaquin Delta and the spiraling

water pricing pressures. Local ground water supply projects will allow for less reliance upon imported water, achieve a level of independence of the regional wholesale water agencies, and diversify the District's water supply portfolio consistent the District's March 2007 Integrated Water Resources Plan.

Also, proposed land use development projects planned to be served by the District, that are not currently within the jurisdictions of the San Diego County Water Authority (Water Authority) and the Metropolitan Water District of Southern California will likely be required, as a condition of annexation, to be supplied by alternative water resources to 100% offset their projected potable water supply requirements.

As a result, and in recognition of the need to develop sufficient alternative water supplies, the District is taking the next step towards development of a production groundwater well within the Middle Sweetwater River Basin which is the implementation of a well pilot project. This new additional water supply project had been thoroughly studied and documented in the 1990's in cooperation with Sweetwater Authority.

The Middle Sweetwater River Basin is located within the Sweetwater River watershed and is that reach of the river from Sweetwater Reservoir to the upstream Loveland Reservoir. See Attachment B for a map of the Middle Sweetwater River Basin. It is known that the higher quality groundwater is located in the vicinity of what was once called the Singing Hills Golf Course (i.e., in the upper portion of the Middle Sweetwater River Basin).

The ultimate objective of the District is to develop a groundwater well production system within the Middle Sweetwater River Basin capable of producing a sustainable yield of potable water as a local supply.

The purpose of the MSR Well Pilot Project is to identify the feasibility of developing a groundwater resource production system and to determine and assess any limitations or constraints that may arise.

The MSR Well Pilot Project scope of work will accomplish seven primary goals as follows:

- Updating project setting information presented in prior reports.
- Updating project alternatives analyses presented in prior reports.
- Developing a groundwater well pilot project implementation plan.

- Planning, design, construction, and implementation of test pilot monitoring and extraction wells.
- Develop cost and feasibility recommendations, an implementation plan, and scope of work for production facilities to extract the amount of purveyed retail water from the groundwater supply at a sustainable yield of potable water.
- Develop cost and feasibility recommendations for potential imported untreated groundwater recharge system and for expanded groundwater production facilities capable of producing an enhanced sustainable yield of potable water.
- Develop an implementation plan and identify the scope of work for tasks required to develop the recommended future groundwater recharge and expanded production facilities.

The project concept and scope of work has been discussed with Sweetwater Authority staff and they provided comments which are incorporated into the scope of work. Sweetwater Authority staff prepared an informational report to share the intent of the MSR Well Pilot Project with their Board at their February 11, 2009 meeting.

The groundwater conjunctive use concept planned to be developed is described as the extraction of the quantity of water from the groundwater basin that was placed there by customers of the District by means of their use of imported treated water that contributed to the overall volume of groundwater within the basin. This quantity has been estimated to be on the order of 12.5% of the total consumption of the District customers within that basin, as measured by their water meters. In the 1994/1995 timeframe 810 acre-feet per year was the estimated quantity that was placed into the groundwater basin. Currently, that 12.5% quantity could be on the order of 1,000 acre-feet per year. The scope of work will address this concept while further development of the groundwater basin as an additional supply resource is appropriately considered.

Further development of the groundwater basin to enhance the total groundwater production, may be accomplished by the District by means of additional extraction (i.e., a quantity of water from the groundwater basin that is placed there by means of either injection and/or spreading basins using imported untreated water as the resource supply). The existing La Mesa Sweetwater Extension Pipeline, owned and operated by the Water Authority, once converted to an untreated water delivery system, could be the conveyance system to transport untreated water for this conjunctive use concept.

These two distinct water resource supply conjunctive use concepts are to be addressed so they may coexist and to allow for their development in separate phases.

The scope of work to complete the MSR Well Pilot Project consists of many major tasks and is to address the groundwater supply concepts outlined above.

The primary desired outcome of the MSR Well Pilot Project is for the engineering consultant to determine and make recommendations if it is financially prudent and physically feasible to develop a groundwater well production system within the Middle Sweetwater River Basin capable of producing a sustainable yield of up to 1,500 acre-feet per year of potable water for the District. If it is deemed that a Middle Sweetwater River Basin Groundwater Well Production Project is viable then the consultant will develop and provide a groundwater well production project implementation plan and related scope of work.

In accordance with Policy 21, the District solicited professional engineering services from consulting firms to accomplish the MSR Well Pilot Project by placing an advertisement on the District's website on February 17, 2009 and in various publications including the following:

Date of Advertisement	Publication
2-19-2009	San Diego Union Tribune
2-18-2009	Bid America
2-18-2009	Engineering and General Contractors Assoc.
2-18-2009	San Diego Daily Transcript
2-18-2009	Construction Bid Source

Fifteen (15) firms submitted a letter of interest along with a statement of qualifications. The request for proposal and scope of work for professional engineering services was sent to all fifteen firms resulting in four (4) written proposals received on or before March 19, 2009 from the following consulting firms:

Consulting Firms	Original Proposed Fee	Final Proposed Fee
AECOM	$1,004,537.00	$1,065,037.00
WorleyParsons	$1,680,490.00	
HDR	$1,707,794.00	
CH2M Hill	$1,732,054.50	

The selection panel evaluated and scored all written proposals. The selection panel was comprised of four staff members, Jim Smyth of Sweetwater Authority, and Michael Welch (consultant). Staff decided to invite all four firms to make a presentation and be interviewed.

After completion of the presentations and interviews, the panel completed the consultant ranking process and concluded that AECOM was very qualified, with the best overall proposal, and provided the best value. References for AECOM were checked and they received high ratings. A summary of the complete evaluation is shown in Attachment C. Staff anticipated that the fee level for the MSR Well Pilot Project would be on the order of $1,200,000.

Staff and Michael Welch met with AECOM on April 14, 2009 to review and discuss the scope of work and negotiate the proposed fee. Mutual understanding of the District's expectations and desired outcomes were achieved, resulting in minor scope of work and fee revisions. Staff added $10,000 for addition geophysical testing, added $10,500 for a security guard for the drilling rig, and added an optional scope of work item at $40,000 for additional environmental work for the potential of a production well system. Staff is confident that AECOM will perform at a very high standard.

FISCAL IMPACT:

The total budget for the Capital Improvement Program (CIP) Project P2129, the Groundwater Exploration Program, as part of the approved FY2009 CIP budget, is $2,530,000, which is to be used for the MSR Well Pilot Project for the remainder of the current fiscal year. Expenditures to date are $582,985. Total expenditures, plus outstanding commitments and estimated staff time, including this contract, totals $1,730,000.

Based on a review of the budget the Project Manager has determined the budget is deemed sufficient to support this project. As a part of the fiscal year 2010 budget development and approval process, a CIP project for the MSR Basin Groundwater Well System is being developed for Board consideration.

Finance has determined that 100% of the funding is available from the Expansion Fund.

STRATEGIC GOAL:

The Middle Sweetwater River Basin Groundwater Well Pilot Project support the District's Mission Statement, "To provide the best quality of water and wastewater service to the customers of the Otay Water District, in a professional, effective, and efficient manner" and the Otay strategic goal, in planning for infrastructure and supply to meet current and future potable water demands.

LEGAL IMPACT:

None.

Mark Watton

General Manager

P:\jpeasley\Middle Sweetwater River Basin (P2129)\BD 05-13-09, Staff Report, Consultant Selection Award MSR to AECOM, (JP-RP).doc

JP/RP:jf

Attachments: Attachment A
Attachment B
Attachment C

ATTACHMENT A

PROJECT NO.:	Award a Professional Engineering Services Contract to AECOM for the Middle Sweetwater River Basin Groundwater Well Pilot Project
P2129-001101	

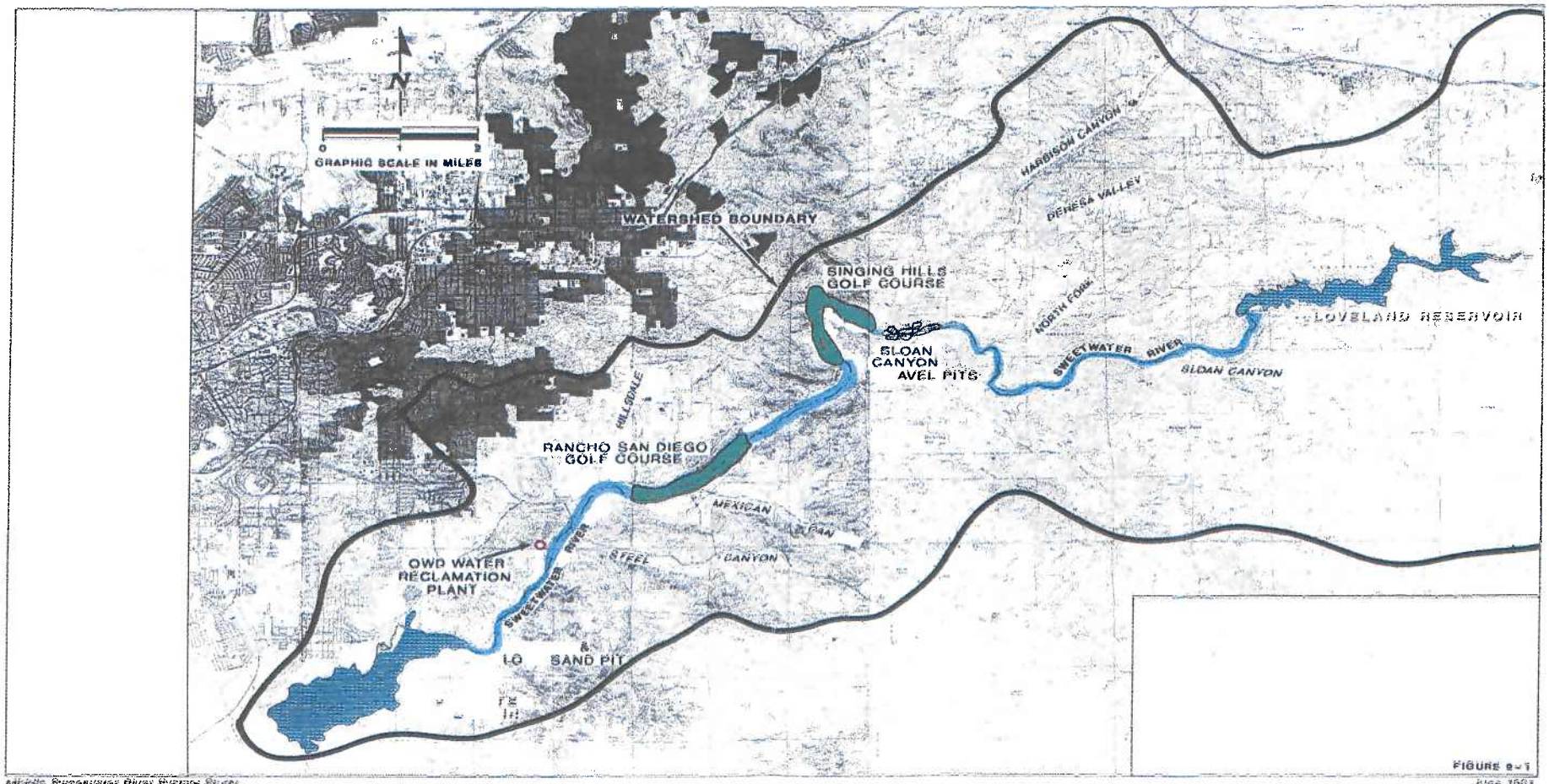
COMMITTEE ACTION:

The Engineering, Operations, and Water Resources Committee reviewed this item at a meeting held on April 22, 2009. The Committee supported Staff's recommendation.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.

ATTACHMENT B



ATTACHMENT C

SUMMARY OF PROPOSAL RANKINGS BY PANEL MEMBERS
Middle Sweetwater River Basin Groundwater Well Pilot Project (P2129)

		WRITTEN							ORAL*						
		Qualifications of Staff	Understanding of scope, schedule, resources	Soundness and Viability of Proposed Project Plan	Proposed Fee	Consultant's commitment to DBE	SUBTOTAL	AVERAGE SUBTOTAL SCORE	Additional creativity, insight to issues	Strength of project manager	Presentation, communication skills	Quality of response to questions	TOTAL SCORE	AVERAGE SCORE	References
SCORE		20	20	25	35	Y/N	100		15	15	10	10	150 **		
AECOM	Manny Magaña	19	19	23	35	Y	96	90	15	14	10	10	145	132	Good
	Rod Posada	18	18	24	35		95		13	11	9	8	136		
	Jim Peasley	18	15	18	35		86		14	12	8	9	129		
	Ron Ripperger	18	18	22	35		93		13	12	9	9	136		
	Jim Smyth	17	16	14	35		82		10	13	7	6	118		
	Michael Welch	18	14	18	35		85		11	13	9	10	128		
WorleyParsons	Manny Magaña	17	18	19	21	Y	75	72	11	12	7	7	112	108	
	Rod Posada	16	16	20	21		73		11	12	8	6	110		
	Jim Peasley	16	12	19	21		68		9	9	8	6	100		
	Ron Ripperger	15	15	18	21		69		11	11	7	8	106		
	Jim Smyth	18	16	18	21		73		13	13	9	8	116		
	Michael Welch	17	13	20	21		71		8	11	7	5	102		
CH2MHill	Manny Magaña	18	17	20	19	Y	74	72	12	13	9	9	117	112	
	Rod Posada	17	15	21	19		72		12	12	8	6	110		
	Jim Peasley	20	18	19	19		76		13	10	10	10	119		
	Ron Ripperger	16	15	18	19		68		12	11	7	8	106		
	Jim Smyth	13	18	16	19		66		13	11	8	8	106		
	Michael Welch	20	17	19	19		75		11	11	10	9	116		
HDR	Manny Magaña	20	20	25	19	Y	84	75	13	14	8	8	127	113	
	Rod Posada	18	18	22	19		77		12	14	8	7	116		
	Jim Peasley	17	16	20	19		72		8	13	7	7	107		
	Ron Ripperger	17	17	21	19		74		12	14	8	8	116		
	Jim Smyth	15	17	16	19		67		10	13	8	8	106		
	Michael Welch	17	16	21	19		73		8	14	5	4	104		