

NIPOMO COMMUNITY SERVICES DISTRICT

MONDAY, SEPTEMBER 10, 2012

10:00 A.M.

SPECIAL MEETING NOTICE & AGENDA **WATER RESOURCES POLICY COMMITTEE**

COMMITTEE MEMBERS

ED EBY, CHAIRMAN
MIKE WINN, MEMBER

PRINCIPAL STAFF

MICHAEL S. LEBRUN, GENERAL MANAGER
LISA BOGNUDA, ASST GM/FINANCE DIRECTOR
JON SEITZ, GENERAL COUNSEL
PETER SEVCIK, DISTRICT ENGINEER

MEETING LOCATION - District Board Room
148 S. Wilson Street, Nipomo, California

1. **CALL TO ORDER, FLAG SALUTE AND ROLL CALL**
2. **CONSIDER AECOM CONTRACT AMENDMENT IN AMOUNT OF \$219,691 FOR SUPPLEMENTAL WATER PROJECT PHASE 1 FINAL DESIGN AND CONSIDER REVISED PROJECT SCHEDULE AND REVIEW FUNDING SOURCES**

RECOMMENDATION: Consider information and direct staff
3. **RECEIVE UPDATE ON SUPPLEMENTAL WATER ALTERNATIVES EVALUATION COMMITTEE**

RECOMMENDATION: Receive update and direct staff.
4. **SET NEXT WATER RESOURCES POLICY COMMITTEE MEETING**
5. **ADJOURN**

TO: WATER RESOURCES POLICY
COMMITTEE

FROM: PETER V. SEVCIK
DISTRICT ENGINEER *PVS*

DATE: SEPTEMBER 6, 2012

AGENDA ITEM
2
SEPTEMBER 10, 2012

CONSIDER AECOM CONTRACT AMENDMENT FOR SUPPLEMENTAL WATER PROJECT PHASE 1 FINAL DESIGN

ITEM

Consider Contract Amendment for Supplemental Water Project Phase 1 Final Design with AECOM in the amount of \$219,691, (Includes \$129,715 previously authorized by Board), review schedule, review funding sources [CONSIDER INFORMATION AND DIRECT STAFF].

BACKGROUND

At the May 29, 2012 Water Resources Policy Committee Meeting, your Committee directed staff to explore modifications to the Supplemental Water Project that could reduce pipeline flow rate and allow for phased construction to reduce the initial capital cost of the project. At the June 13, 2012 Board meeting, the Board authorized AECOM to prepare a phasing technical feasibility study for the Supplemental Water Project as requested by the Committee. The scope of work included identification of potential phasing scenarios, performing hydraulic modeling to analyze the scenarios, and reviewing the existing pump station design based on the modeled scenarios. AECOM presented the Draft Technical Memorandum to the Board on July 25, 2012 and subsequently issued a Final Technical Memorandum on August 8, 2012.

The results of the study indicated that phasing of the Supplemental Water Project is technically feasible. The potential for executing the project in three phases to reach the existing design and delivery of 3,000 AFY (at 2,000 gpm) is described in the Technical Memorandum. The Phase 1 project includes the connection to the City of Santa Maria, transmission pipe to the Nipomo Mesa, a pump station, and disinfection systems. The Phase 1 project provides a supplemental water delivery of 400 gpm, the maximum delivery rate that the District's existing water distribution system can receive from the project without significantly increasing already high pressures in the existing water distribution system. The Phase 1 project allows the District to defer improvements under Bid Package 2 (the Nipomo Area Pipeline Improvements) until implementing higher delivery rates. At this flow rate, preliminary analysis indicated that the reservoir at the pump station could potentially be deferred, and smaller pumps could potentially be utilized at the pump station. Several additional tasks were recommended in the Technical Memorandum to confirm the preliminary conclusions for the Phase 1 project design before moving forward with planning and design of a three-phased project.

In accordance with the Board's direction at the July 25, 2012 Board meeting, staff requested that AECOM provide a proposal to confirm several design issues identified in the phasing study and finalize the design of the Phase 1 Supplemental Water Project. AECOM submitted the attached proposal to perform the work for a not to exceed amount of \$219,691. Of this amount, \$129,715 was previously authorized by the Board but was not utilized when the design was put on hold.

In addition, AECOM has developed the attached schedule for the Phase 1 Supplemental Water Project. The schedule takes into account the permitted construction window of April 15 to October 15 for Bid Package 1, Santa Maria River Crossing, and provides a shorter construction duration for Bid Package 4, Joshua Road Pump Station, since Phase 1 does not include the construction of a tank.

The full Board of Directors is scheduled to consider AECOM's proposal and the project schedule at its September 12, 2012 meeting.

FISCAL IMPACT

The phasing technical feasibility study provides the basis for establishing funding requirements for construction costs related to phasing the project. The preliminary construction cost opinion for the Phase 1 Project is \$11.6 million. Staff has also evaluated and revised other project costs including right-of-way acquisition, design, and construction management based on the proposed construction phasing plan to determine the total required funding to construct Phase 1. The total estimated remaining Phase 1 costs are as follows:

Description	Estimated Cost
Bid Package 1 - Santa Maria River Crossing	\$ 4,828,000
Bid Package 2 - Nipomo Area Pipeline Improvements	\$ -
Bid Package 3 - Blosser Road Waterline and Flow Meter	\$ 2,207,000
Bid Package 4 - Joshua Road Pump Station, Reservoir and Wellheads	\$ 3,029,000
Construction Subtotal	\$10,064,000
Construction Contingency (15%)	\$ 1,509,000
Construction Total	\$11,573,000
Right-of-Way (ROW) Acquisition	\$ 250,000
Design Engineering	\$ 450,000
Construction Management	\$ 1,736,000
Non-Construction Subtotal	\$ 2,436,000
Non-Construction Contingency (10%)	\$ 243,000
Estimated Total Non-Construction Costs	\$ 2,679,000
Estimated Total Cost	\$14,253,000

The remaining ROW acquisition cost includes updated title reports, updated appraisals, ROW agent services, and property purchase costs for four properties.

The design engineering cost noted in the table includes the contract amendment for AECOM to complete the Phase 1 design and also includes Engineering Services During Construction (ESDC) that were previously authorized by the Board.

The construction management cost has been updated based on the Phase 1 scope of work and schedule.

Potential funding availability for the project is as follows:

Description	Estimated Cost
DWR Proposition 84 Grant	\$ 2,300,000
Funds Currently Available – Fund 500 and Fund 600	\$ 3,900,000
New COP secured by remaining property tax revenue	\$ 4,600,000
Loan from Fund 700 and/or Fund 805 secured by water sales revenue	\$ 3,500,000
Estimated Total From All Funding Sources	\$14,300,000

The \$2.3 million California Department of Water Resources (DWR) grant awarded to the District through San Luis Obispo County's Integrated Regional Water Management Grant application is still available for the project if the project proceeds in a timely manner.

Fund 500, Supplemental Water (~\$1.7M), is already designated for the project. Fund 600, Property Taxes (~\$2.2M), would require the Board to make a finding to use these funds for the project.

New Certificates of Participation could be issued that would refinance, with a lower interest rate, the 2003 COP issue and secure the District's entire property tax revenue (~\$500,000) thereby raising approximately \$4.6M.

A loan from Fund 700, Water Capacity, and/or Fund 805, Funded Replacement, is possible but the funds would need to be repaid by water sales revenue.

Finally, participation by one or more of the District's partner purveyors would reduce the District's cost.

STRATEGIC PLAN

Strategic Plan Goal 1.2 – Secure New Water Supplies

RECOMMENDATION

Staff recommends your committee consider making the following recommendation to your Board:

1. Approve the contract amendment in the amount of \$219,691 (Includes \$129,715 previously authorized by Board) with AECOM for Finalizing Phase 1 Supplemental Water Project Design

And

2. Review Phase 1 Supplemental Water Project schedule, provide comments and edits, and provide direction to staff
3. Review funding sources and provide direction to staff

ATTACHMENTS

- A. AECOM Scope Amendment for Supplemental Water Project Phase 1 Final Design dated September 5, 2012
- B. Phase 1 Supplemental Water Project Schedule dated September 4, 2012

SEPTEMBER 10, 2012

ITEM 2

ATTACHMENT A



AECOM
1194 Pacific Street
Suite 204
San Luis Obispo CA 93401
www.aecom.com

805 542 9840 tel
805 542 9990 fax

September 5, 2012

Mr. Michael LeBrun, PE
General Manager
Nipomo Community Services District
P.O. Box 326
Nipomo, CA 93444

Dear Mr. LeBrun,

Re: Proposal for Final Design and Bid Phase Services for the Nipomo Community Services District Phase 1 Supplemental Water Project

At the Board Meeting on July 25, 2012, AECOM presented the results of the Nipomo Community Services District (NCSD) Supplemental Water Project Phasing Technical Feasibility Study to the NCSD Board of Directors (Board). The results of this study indicated that revised phasing for the Supplemental Water Project is technically feasible. The potential for executing the project in three phases to reach the existing design and delivery of 3,000 AFY (at 2,000 gpm) is described in the Technical Memorandum (AECOM, August 8, 2012). The Phase 1 project includes the connection to the City of Santa Maria, transmission pipe to the Nipomo Mesa, a pump station, and disinfection systems. The Phase 1 project provides a supplemental water delivery of 400 gpm, the maximum delivery rate that the District's existing system can receive from the project without significantly increasing already high pressures in the existing water distribution system. This Phase 1 project allows the District to defer improvements under Bid Package 2 (the Nipomo Area Pipeline Improvements) until implementing higher delivery rates. At this flow rate, preliminary analysis indicated that the reservoir could potentially be deferred, and smaller pumps could potentially be utilized at the pump station. The preliminary construction cost opinion for the Phase 1 Project is \$11.6M. Several additional tasks were recommended in the Technical Memorandum to confirm the preliminary conclusions for the Phase 1 project design before moving forward with planning and design of a three-phased project.

Per the Board's request, AECOM has developed this scope amendment for the Phase 1 project design confirmation, and subsequent final preparation of the construction documents for the Phase 1 project. AECOM reviewed the scope and budget for bid phase services, last updated in October 2011. This scope amendment describes the estimated level of effort to revise the design, complete the construction documents and perform the bid phase services associated with the Phase 1 project as described in the Technical Feasibility Study. The scope and estimated fee for office engineering during construction, last reviewed and authorized with the original contract awarded in June 2008 for \$173,406, will be re-evaluated after completion of design and bidding.

The work described herein is separated by major task groups. A schedule for the proposed work has been compiled assuming the notice to proceed is issued on September 12th and assuming all three construction contracts occur concurrently. The table below summarizes the budget, showing the



remaining authorized budget and the recommended additional budget. Details for the estimated engineering fees for design and bid phase services are included in the attached spreadsheet.

DESIGN AND BID PHASE SERVICES	Remaining Authorized Budget	Recommended Additional Budget	Proposed Total Budget
Task Group 100. Phase 1 Project Design Confirmation Technical Memorandum	Not included	\$29,603	\$29,603
Task Group 200. Construction Documents	\$37,936	\$67,347	\$105,283
Task Group 300. Preliminary Phasing Schedule & Cost Opinion Technical Memorandum	Not included	\$9,385	\$9,385
Task Group 400. Project Management	\$6,366	\$1,837	\$8,203
Task Group 500. Bid Phase Services	\$85,413	(\$18,196)	\$67,217
Total	\$129,715	\$89,976	\$219,691

Scope of Work

Task Group 100. Phase 1 Project Design Confirmation Technical Memorandum

The NCS D Supplemental Water Project Phasing Technical Feasibility Study (AECOM, August 8, 2012) recommended that the District perform several additional tasks before moving forward with planning and design. This task group includes the technical tasks recommended in the Technical Feasibility Study, and a constructability review of the design changes related to deferring the buried reservoir for future construction. The work will be summarized in a draft Technical Memorandum for review by the District staff. A final Technical Memorandum will be prepared after receipt of District comments. Our budget assumes results will be presented to the Board of Directors at a regularly scheduled Board meeting. The proposed tasks are as follows:

- Update District water storage modeling to confirm the Bid Package 4 reservoir will not be required for the Phase 1 project. AECOM will utilize the model prepared for the previous Supplemental Water Project investigations and revise it using updated District demands and the revised Phase 1 delivery. We assume the District will provide updated monthly demands for 2011. AECOM will review the analysis and recommendations for water tank capacity in the District's Water and Sewer Master Plan (Cannon, 2007) and provide updated recommendations based on the phased Supplemental Water Project.
- Review the pump station operations and determine the required civil, electrical, and instrumentation revisions for operating the pump station without the reservoir during Phase 1 and investigate provision for incorporating the tank in Phase 2.
- Perform constructability review for design revisions related to delaying construction of the buried reservoir and identify potential impacts to future construction cost.

- Perform hydraulic analysis and select the Phase 1 pumps for Bid Package 4. The Technical Feasibility Study determined that the pumps currently selected for the Supplemental Water Project would be too large for the Phase 1 deliveries.
- Provide Draft and Final Technical Memorandum summarizing the results of the analyses described above.

Deliverables: Electronic copy of Draft Technical Memorandum (PDF), Electronic copy of Final Technical Memorandum and one (1) hard copy.

Task Group 200. Construction Documents (revised from existing contract)

The construction documents (plans and specifications) for the Supplemental Water Project are substantially complete. Bid Packages 2, 3, and 4 were submitted to the District as "print-check" finals in May 2012, and the 90% submittal for Bid Package 1 (Santa Maria River Crossing) was provided in April 2012. The revisions required for the Phase 1 Supplemental Water Project would primarily impact Bid Package 4 (Joshua Road Reservoir and Pump Station and Wellhead Chloramination Improvements). Bid Packages 1 and 3 would need to be finalized, but no significant changes from the original design are anticipated. The work to complete the construction documents for the Phase 1 project is described below.

Bid Package 2 (Nipomo Area Pipeline Improvements) is assumed to be deferred until Phase 2. The construction documents are currently at a "print-check final" status. No work for Bid Package 2 is included in this scope of work.

Task 201. Bid Package 1 (Santa Maria River Crossing) Final Submittal – AECOM will review and address comments on the 90% submittal from District staff and will prepare the final plans and specifications with design input from Jacob's Associates, AECOM's horizontal directional drilling design subconsultant. We have not included any additional budget from the existing authorized budget for this work, as no design changes are anticipated for Bid Package 1 based on the Phase 1 Project. The primary work to be completed is as follows:

- Finalize sequence of work in association with Bid Packages 3 and 4, and the schedule, and describe in Specification Section 011100.
- Finalize Geotechnical Baseline Report (Jacob's Associates) and integrate into construction documents
- Finalize Site Restoration Plan (Padre, described here under Task 207) and integrate into construction documents
- Provide exhibit for Potential Project Fencing Areas for Protection of Habitat
- Perform final Quality Control Reviews and formatting

Deliverables: Four (4) hard copies of final half-sized plans (11x17) and specifications, electronic copies of final half-sized plans, full-sized plans, and specifications (PDFs).

Task 202. Bid Package 3 (Blosser Road Water Main and Flow Meter) Final Submittal – AECOM will prepare the final submittal as construction bid documents. Our budget assumes minor comments on the print-check final submittal from the District, and does not include any additional cost from the

existing authorized budget for this work, as no design changes are anticipated for Bid Package 1 based on the Phase 1 Project.

Deliverables: Four (4) hard copies of final half-sized plans (11x17) and specifications, electronic copies of final half-sized plans, full-sized plans, and specifications (PDFs).

Task 203 & 204. Bid Package 4 (Joshua Road Reservoir and Pump Station and Wellhead Chloramination Improvements) Revised Draft Final Submittal & Final Submittal – AECOM will revise the plans and specifications based on the Phase 1 Design Confirmation Technical Memorandum and provide the District with a revised draft final submittal for review and comment. Some of the anticipated tasks include design of new piping configuration for connection to the future tank, changes to the pumps, revisions to the pump station operations instrumentation and controls logic, revisions to the site plan and grading, electrical and lighting revisions, deletion of the reservoir and references to it, and revisions to the landscaping and irrigation plans. For budgeting purposes, we have made the following assumptions:

- Civil & Mechanical – Revisions to 13 sheets, revise specifications
- Structural – Remove reservoir sheets, update specifications
- Electrical – Revisions to 6 sheets, update specification
- Instrumentation – Revisions to 6 sheets, revise specifications
- Landscaping – Revisions to 3 sheets (Firma)

After receipt of comments from the District, AECOM will prepare the final submittal.

Deliverables: Revised Draft Final Submittal - Three (3) hard copies of revised draft final half-sized plans (11x17) and specifications;

Final Submittal - four (4) hard copies of final half-sized plans (11x17) and specifications, electronic copies of final half-sized plans, full-sized plans, and specifications (PDFs).

Task 205. Geotechnical review of plans and specifications – AECOM will coordinate with Fugro for a review of the plans and specifications for conformance with the Project Geotechnical Report and will address potential discrepancies for the final construction documents.

Task 206. Public Lot Application – The land division application for the public lot at the Joshua Road pump station and tank site was conditionally approved by the Subdivision Review Board on October 4, 2010. The approval was effective for a period of 2 years from the date of approval (through October 4, 2012). Evidence to show recordation of the required transfer of the property was due within that time. Because of project delays, a new application will be required if the District chooses to move forward with the public lot. Should the NCSD provide direction to re-apply, AECOM will coordinate with District and County staff to compile a new application package for the public lot property. We assume the District will obtain new signatures from Linda Vista Farms (land owner) for the application. Our budget also assumes the maps, legal lot verification, and general plan conformity report created for the original application can be utilized, based on discussions with County Planning staff.

Task 206A. Record of Survey for Public Lot – AECOM will coordinate with Wallace Group to perform the Record of Survey for the public lot (Pump Station site) when the District finalizes the grant deed. Results of the record of survey will be filed with San Luis Obispo County. Part of the previous scope of work, the attached budget does not include an additional fee for this work. The County may require a new title report (less than 6 months old) for recordation. We assume the District will provide the Title Report as needed.

Task 207. Final Site Restoration Plan for River (Padre) & Integration into Plans and Specifications – AECOM will coordinate with Padre for finalization of the Site Restoration Plan for the sensitive habitat in the Santa Maria River bed. The Site Restoration Plan is being prepared to fulfill requirements of the Final Environmental Impact Report and the California Department of Fish and Game Streambed Alteration Agreement. The Draft Site Restoration Plan has been completed. After receipt of comments, Padre will finalize the Plan and AECOM will integrate the requirements in the final plans and specifications for work in the River as appropriate. Part of the previous scope of work, the attached budget does not include an additional fee for this work.

Task 208. Update Phase 1 Project Opinion of Probable Construction Cost – Following completion of the final submittals, AECOM will update the opinion of probable construction cost for the Phase 1 Project.

Task Group 300. Preliminary Phase 2 and 3 Schedule & Opinion of Probable Construction Cost Technical Memorandum

After conclusion of the Phase 1 Project design documents and opinion of probable construction cost, AECOM will assist the District with development of the preliminary phasing schedule and opinion of probable construction cost for Project Phases 2 and 3. Based on information to be provided by the District on the 2011 demands and community growth rate assumptions, AECOM will revise our previous modeling efforts to update estimates for the phased project delivery schedule. AECOM will develop the opinion of probable construction cost for Project Phases 2 and 3, based on the previous Supplemental Water Project cost opinion and final changes made to develop the Phase 1 Project. Costs will be tied to the Engineering News and Record (ENR) Construction Cost Index. Results will be compiled in a draft Technical Memorandum for District review and comment. The final Technical Memorandum will be provided after comments from the District are received and integrated. Our budget assumes results will be presented to the Board of Directors at a regularly scheduled Board meeting.

Deliverables: Electronic copy of Draft Technical Memorandum (PDF), Electronic copy of Final Technical Memorandum and one (1) hard copy.

Task Group 400. Project Management (revised from existing contract)

Project management services were last extended with Scope Amendment #12 in October 2011. At that time the design documents were projected to be complete by May 2012. The new design documents are projected to be completed by February 2013. This scope amendment includes meetings and related project management services to complete the revised design documents.



Task Group 500. Bid Phase Services (revised; last updated with SA#12, Oct 2011)

Task 501. Contractor Prequalification (HDD) - The scope and budget for this task has been reviewed and updated to reflect the current fee schedule and estimated level of effort.

Task 502. Bid-Phase Services - The budget for this task has been updated to reflect the latest composition of the project, consisting of three bid packages instead of four. The scope of work has also been reduced to remove bid distribution, maintaining the bidders list, and distribution of addenda. We assume the District will contract with others to provide these services. AECOM will provide bid phase services for each of three (3) bid packages for this project, including the following:

- Provide plans and specifications for electronic and hard bid distribution (distribution by others);
- Provide District with 4 bid sets of construction documents;
- Organize and attend pre-bid job walk (one per bid package);
- Respond to inquiries from bidders (up to eight (8) RFIs);
- Receive bidder's questions and coordinate responses with the District, as required. Prepare up to eight (8) addenda, if required;
- Assist the District in bid review;
- Provide recommendations on successful bidder award;
- Assist District in resolving bid protests (if necessary);
- Attend District Board meeting to present recommendations on bidder award.

The scope and estimated fee for office engineering during construction, last reviewed with the original contract awarded in June 2008, is not included herein, but will be re-evaluated after completion of design and bidding.

This scope of work assumes support for permitting and property negotiations, including right-of-way, easements, and property agreements, have been completed. AECOM is available on a time-and-materials basis to assist the District if additional support services are required.

Startup services have not been included in the scope of work. AECOM is available to assist the District with startup services during construction. The value of these services has been realized on related AECOM projects. Startup services would consist of observation, troubleshooting and documentation of the startup for the chloramination systems, pump system, instrumentation and controls, and electric systems at the booster station and PRV stations.

Schedule

The preliminary schedule attached was utilized for this scope of work and assumes a notice-to-proceed (NTP) date of September 12, 2012 and concurrent construction contracts.

Budget

AECOM will perform this design and bid phase work on a Time and Materials basis, with a budget not to exceed \$219,691 unless prior authorization is granted in writing by the District. See the attached spreadsheets for a breakdown of fees.



If you have questions or comments, please contact me to discuss. We look forward to continuing work with you and completing the design of this important project.

Sincerely,

A handwritten signature in black ink that reads "Eileen Shields". The signature is written in a cursive style with a large, looping "S" at the end.

Eileen Shields, PE
Project Manager

A handwritten signature in black ink that reads "Glen Hille". The signature is written in a cursive style with a large, looping "H" at the end.

Glen Hille, PE
Vice President

Enclosed: Preliminary schedule; detailed estimated engineering fee; Firma subconsultant scope and fee; Fugro subconsultant scope and fee. (Note that the work reflected herein for Jacob's Associates, Wallace Group and Padre were previously authorized).

Estimated Engineering Fee

Supplemental Water Project
Phase 1 Project
Planning, Design and Bid Phase Services

Nipomo Community Services District

Task Description	Personnel Hours							Budget						
	Principal	Senior Engineer II	Senior Engineer I	Associate Engineer	Assistant Engineer	Design CAD Operator	Admin Assistant	Total Hours	Labor	Non-Labor Fee	Subconsultant	Total Non-Labor	Total	
Task Group 100. Phase 1 Project Design Confirmation														
101. Update storage modeling with District's 2011 demands			16					16	\$ 2,480	\$ 198		\$ 198	\$ 2,678	
102. Review pump station operations and determine required revisions	18	24	16				8	66	\$ 11,100	\$ 888		\$ 888	\$ 11,988	
103. Perform constructability review for deferred tank	16							16	\$ 3,360	\$ 269		\$ 269	\$ 3,629	
104. Perform Phase 1 pump selection		2	6					8	\$ 1,260	\$ 101		\$ 101	\$ 1,361	
105. Draft Technical Memorandum	10	6	24				8	2	50	\$ 7,840	\$ 627	\$ 627	\$ 8,467	
105. Final Technical Memorandum			6				4		10	\$ 1,370	\$ 110	\$ 110	\$ 1,480	
Subtotal	44	32	68	-	-	20	2	166	\$ 27,410	\$ 2,193	\$ -	\$ 2,193	\$ 29,603	
Task Group 200. Construction Documents (Revised)														
Credit for Existing Contract Construction Documents Work									\$ (17,271)	\$ (1,382)	\$ (19,283)	\$ (20,665)	\$ (37,936)	
201. Bid Package 1 Final Submittal	8	30					40	4	82	\$ 11,330	\$ 906	\$ 13,257	\$ 14,164	\$ 25,494
202. Bid Package 3 Final Submittal			8				6	4	18	\$ 2,200	\$ 176	\$ 176	\$ 2,376	
203. Bid Package 4 Revised Draft Final Submittal														
Address District comments from review	4		4				6		14	\$ 2,120	\$ 170	\$ 170	\$ 2,290	
Civil & mechanical plans and specifications	52		65				104	6	227	\$ 32,885	\$ 2,631	\$ 2,631	\$ 35,516	
Structural plans and specifications	8						6	4	18	\$ 2,640	\$ 211	\$ 211	\$ 2,851	
Electrical plans and specifications	18						32	4	54	\$ 7,600	\$ 608	\$ 608	\$ 8,208	
Instrumentation plans and specifications	4	24					10	4	42	\$ 6,200	\$ 496	\$ 496	\$ 6,696	
Landscaping and irrigation plans (Firma)			2				2		2	\$ 310	\$ 25	\$ 715	\$ 1,050	
204. Bid Package 4 Final Submittal	8	12	2				20	5	47	\$ 6,545	\$ 524	\$ 524	\$ 7,069	
205. Geotechnical Review of Plans and Specs (Fugro)		1	2						3	\$ 475	\$ 38	\$ 3,850	\$ 3,888	\$ 4,363
206. Public Lot Application			3					2	5	\$ 615	\$ 49	\$ 49	\$ 664	
206A. Record of Survey for Public Lot (Wallace Group)			2						2	\$ 310	\$ 25	\$ 2,750	\$ 2,775	\$ 3,085
207. Final Site Restoration Plan for River (Padre)											\$ 2,803	\$ 2,803	\$ 2,803	
208. Update Phase 1 Project Opinion of Probable Construction Cost	2	2	12						16	\$ 2,610	\$ 209	\$ 209	\$ 2,819	
Subtotal	104	69	100	-	-	224	33	530	\$ 58,569	\$ 4,686	\$ 4,092	\$ 8,778	\$ 67,347	
Task Group 300. Preliminary Phase 2 and 3 Schedule & Opinion of Construction Cost														
301. Update delivery model with 2011 demands & growth assumptions			12						12	\$ 1,860	\$ 149	\$ 149	\$ 2,009	
302. Develop opinion of probable construction cost for Phases 2 and 3	4	4	16						24	\$ 3,980	\$ 318	\$ 318	\$ 4,298	
302. Draft Technical Memorandum	4		8					2	14	\$ 2,230	\$ 178	\$ 178	\$ 2,408	
303. Final Technical Memorandum			4						4	\$ 620	\$ 50	\$ 50	\$ 670	
Subtotal	8	4	40	-	-	-	2	54	\$ 8,690	\$ 695	\$ -	\$ 695	\$ 9,385	
Task Group 400. Project Management (Revised)														
Credit for Existing Contract Project Management Work									-	\$ (5,894)	\$ (472)	\$ (472)	\$ (6,366)	
402. Monthly Progress Reports (thru remaining design)			14						14	\$ 2,170	\$ 174	\$ 174	\$ 2,344	

Estimated Engineering Fee

Supplemental Water Project
Phase 1 Project
Planning, Design and Bid Phase Services

Nipomo Community Services District

Task Description	Personnel Hours								Budget				
	Principal	Senior Engineer II	Senior Engineer I	Associate Engineer	Assistant Engineer	Design CAD Operator	Admin Assistant	Total Hours	Labor	Non-Labor Fee	Subconsultant	Total Non-Labor	Total
403. Decision Log			7					7	\$ 1,085	\$ 87		\$ 87	\$ 1,172
404. Monthly Board Meetings			14					14	\$ 2,170	\$ 174		\$ 174	\$ 2,344
405. Meetings with District staff			7					7	\$ 1,085	\$ 87		\$ 87	\$ 1,172
406A. Monthly Standing Committee Meetings			7					7	\$ 1,085	\$ 87		\$ 87	\$ 1,172
Subtotal	-	-	49	-	-	-	-	49	\$ 1,701	\$ 136	\$ -	\$ 136	\$ 1,837
Task Group 500. Bid Phase Services (Revised)													
Credit for Existing Contract Bid Phase Work								-	\$ (71,122)	\$ (14,291)		\$ (14,291)	\$ (85,413)
501 - HDD Contractor prequalification (BP#1)													
Identify list of Contractors		2	4					6	\$ 950	\$ 76		\$ 76	\$ 1,026
Prepare final prequalification package for distribution			5					5	\$ 775	\$ 62		\$ 62	\$ 837
Facilitate District's review of prequalification packages	4	12	1					17	\$ 2,975	\$ 238	\$ 4,772	\$ 5,010	\$ 7,985
Facilitate interviews and assist with District's evaluation	2	20	2					24	\$ 4,030	\$ 322		\$ 322	\$ 4,352
Draft letters of notification	2	6	1					9	\$ 1,565	\$ 125		\$ 125	\$ 1,690
Conduct orientation with prequalified Contractors	8	12	2					22	\$ 3,970	\$ 318		\$ 318	\$ 4,288
502 - Bid Phase Services (for 3 Bid Packages)													
Prepare final bid sets for distribution			18			6	12	36	\$ 4,350	\$ 2,800		\$ 2,800	\$ 7,150
Prebid job walk and conference (1 per Bid Package)	8	8	30					46	\$ 7,650	\$ 612		\$ 612	\$ 8,262
Respond to RFIs (up to 8 total)	8	12	24	20		20		84	\$ 12,180	\$ 974		\$ 974	\$ 13,154
Prepare Addenda (up to 8 total)	10	16	24	28		30		108	\$ 15,400	\$ 1,232		\$ 1,232	\$ 16,632
Bid analysis and recommendation			9					9	\$ 1,395	\$ 112		\$ 112	\$ 1,507
Attend Board meeting to recommend contractor			2					2	\$ 310	\$ 25		\$ 25	\$ 335
Subtotal	42	88	122	48	-	56	12	368	\$ (15,572)	\$ (7,395)	\$ 4,772	\$ (2,624)	\$ (18,196)
Total	198	193	379	48	-	300	49	1,167	\$ 80,798	\$ 314	\$ 8,864	\$ 9,178	\$ 89,976

<u>Personnel Category</u>	<u>\$/HR</u>
Principal	\$210.00
Senior Engineer II	\$165.00
Senior Engineer I	\$155.00
Associate Engineer	\$130.00
Assistant Engineer	\$110.00
Design CAD Operator	\$110.00
Administrator	\$75.00



August 30, 2012

Eileen Shields

AECOM

Sent via email

RE: Proposal for Landscape Architectural Services- NCS D Tank / Supplemental
Water Project Additional Services

Dear Eileen,

I have prepared the following proposed work scope and fee based on your discussion with Jim Burrows.

The Additional Services that **firma** will provide are:

1. Construction Drawing Phase- Fee: \$600

- a. Meet with Client to discuss and memorialize the Project's requirements.
- b. Revise the approved landscape drawings to reflect the deletion of the planned water tank and associated grading including:
 - o Revised Planting and Irrigation Plans

Our work would not include drainage, grading, revised irrigation calculations, geotechnical soil investigations, surveys, accessible path of travel and hardscape design, structural calculations, retaining wall design, or permitting.

Firma Consultants Incorporated

David W. Foote ASLA

187 Tank Farm Road Suite 230

San Luis Obispo, CA 93401

(805)781-9800 • fax (805)781-9803

Additional Services include, but are not limited to, revisions to the Landscape Architect's work products that are required as a result of changes in the project scope or configuration initiated by other consultants retained by the Client or Owner, or required by permit authorities.

All hourly rates for additional services, reimbursable reproduction expenses including base sheets, prints, reductions, and postage will be billed per the attached rate schedule. Thank you for considering firma for this work. Please call if I can answer any questions about this proposal.

Sincerely,

Approved:

A handwritten signature in black ink that reads "David Foote". The signature is stylized with a large, circular flourish at the beginning and a horizontal line crossing through the middle of the name.

David Foote, ASLA

_____ Client

_____ date

firma

landscape architecture • planning • environmental studies • ecological restoration

firma

Consultants Incorporated

Hourly Rate Schedule 2012

Principal Landscape Architect / Planner	\$135
Associate Landscape Architect	\$95
Senior Landscape Architect	\$90
Senior Planner	\$90
Environmental Planner	\$60
Draftsperson / Computer Technician	\$55
Clerical Staff	\$45

Reproduction, Delivery Expenses

All reproduction expenses including base sheets, prints, reductions, postage and delivery expenses will be reimbursed at cost times 1.1. Reimbursement expenses for in-house plots are as follows:

11x17 color \$3.00

8.5 x 11 color \$2.00

Insurance

firma

landscape architecture • planning • environmental studies • ecological restoration

Professional Liability \$1,000,000
General Liability \$2,000,000
Auto Liability \$1,000,000

firma

landscape architecture • planning • environmental studies • ecological restoration



August 31, 2012
Project No. 3044.0076 v2

AECOM
1194 Pacific Street, Suite 204
San Luis Obispo, California 93401

Attention: Ms. Eileen Shields

Subject: Additional Geotechnical Services for the Nipomo-Santa Maria Water Intertie,
Nipomo Community Services District, California

Dear Ms. Shields:

Fugro is providing geotechnical services for the design of the Nipomo water intertie project. We submitted our geotechnical reports for the design of the project in 2010. Our work is being performed in accordance with our agreement for professional services with AECOM dated July 9, 2008. The design of the project had been delayed and the project will now be split into four plan sets and bid packages for construction. The bid packages are:

- Bid Package 1 – Santa Maria HDD River Crossing (no change from original)
- Bid Package 2 – Nipomo Area Pipeline Improvements (removed from Phase 1 project)
- Bid Package 3 – Santa Maria Pipeline and Flow Meter (no change from original and includes the levee jack-and-bore)
- Bid Package 4 – Joshua Street Reservoir and Pump Station, Chloramination Improvements.

As discussed on the telephone on August 24, 2012, Fugro will perform no additional work under the current contract. The purpose of this proposal is to request additional budget to review the design plans for conformance with the recommendations of our report, and to provide a budget for providing geotechnical design support during construction. This proposal specifically excludes services related to construction materials testing and inspection.

We reviewed portions of the plan sets being prepared as part of our previous work; however, additional review will be needed to check that the geotechnical recommendations are incorporated into each package and to address additional information that may be requested. A letter confirming our review and concurrence with the design will be submitted once any comments have been incorporated into the plans and specifications. We suggest a budget of \$3,500 to review the project plans and specifications for conformance with our report.

Geotechnical design support during construction could consist of reviewing submittals for construction materials or aggregates associated with our report, responding to requests for information or clarification, attending meetings, or performing field visits when requested. We suggest a budget of \$10,000 to provide geotechnical support for the design team during construction.



We will provide our services on a time and expense basis according to current fee schedule rates. We request authorization for a total of \$13,500 for the services described by this proposal. Services for plan review and construction will be provided on an as-requested basis. We will not exceed the authorized budget without prior approval of AECOM.

We appreciate the opportunity to be of service. Please contact the undersigned if you have questions or require additional information.

Sincerely,
FUGRO CONSULTANTS, INC.

A handwritten signature in black ink that reads "Jonathan D. Blanchard".

Jonathan D. Blanchard, P.E.
Principal Geotechnical Engineer

The undersigned, under the terms and conditions of the July 9, 2008 AECOM Agreement with Subconsultant (Fugro) for Professional Services, hereby authorizes Fugro to proceed with the scope or services described in this proposal. This work is provided as a change of scope and is expected to be performed with the currently authorized budget for geotechnical services. Fugro will not to exceed the contract amount without prior written approval of Client.

AECOM
1194 Pacific Street, Suite 204, San Luis Obispo, CA 93401

Signature

Name (print)

Title

Date

Copies: Addressee (via email)
Enclosures: Fee Schedule (2012cc)



660 Clarion Court, Suite A
 San Luis Obispo, California 93401
 Tel: (805) 542-0797
 Fax: (805) 542-9311

**CENTRAL COAST 2012 FEE SCHEDULE
 FOR ONSHORE GEOTECHNICAL SERVICES**

PROFESSIONAL STAFF	HOURLY RATE
Staff Professional	\$ 95
Senior Staff Professional.....	105
Project Professional	110
Senior Project Professional.....	120
Senior Professional	140
Associate.....	150
Principal.....	180
Senior Principal	215

TECHNICAL AND OFFICE STAFF

Field Technician/Inspector - Non-Prevailing Wage, Straight Time	85
Field Technician/Inspector - Prevailing Wage, Straight Time	100
Construction Inspector	100
Construction Services Manager	125
Engineering Assistant	75
Office Assistant	45
Word Processor/Clerical	60
Laboratory Technician.....	75
Technical Assistant/Illustrator	80
Illustrator II.....	95
CADD Operator.....	95
GIS Technician.....	95
HSE Manager.....	155

Overtime Rates for Technical and Office Staff:

- a. Saturday or over 8 hours/day during weekdays 1.3 x straight time
- b. Saturdays over 8 hours or Sundays/holidays 1.5 x straight time
- c. Swing or graveyard shift premium..... 1.3 x straight time

**Fees for expert witness preparation, testimony, court appearances,
 or depositions will be billed at the rate of \$325 per hour.**

OTHER DIRECT CHARGES

Subcontracted Services	Cost Plus 15%
Outside Reproduction	Cost Plus 15%
Outside Laboratory.....	Cost Plus 15%
Out-of-Pocket Expenses	Cost Plus 15%
Travel and Subsistence.....	Cost Plus 15%
Field Vehicle with Sampling and Logging Equipment.....	200/day
Basic Staff Vehicle	100/day
Specialized Software Applications	30/hr
Finite Element/Finite Difference Packages.....	25/hr
Report reproduction and data reporting costs per staff hourly rates	
Fee Schedule is subject to revision periodically	

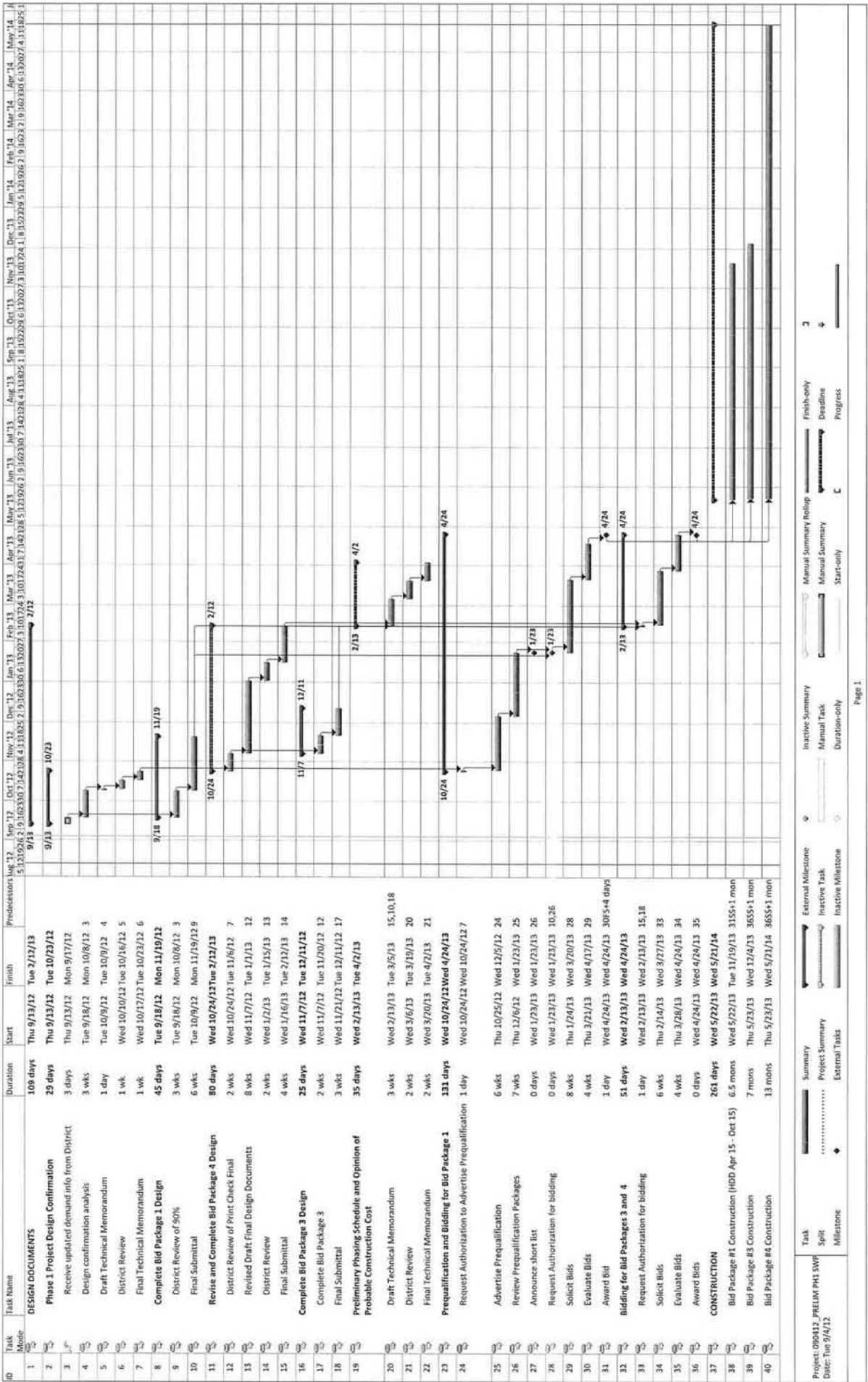
LABORATORY AND SPECIALTY TESTING AND EQUIPMENT..... See Separate Schedules



SEPTEMBER 10, 2012

ITEM 2

ATTACHMENT B



ID	Task Name	Task Mode	Duration	Start	Finish	Predecessors
1	DESIGN DOCUMENTS		109 days	Thu 9/13/12	Tue 2/12/13	
2	Phase 1 Project Design Confirmation		29 days	Thu 9/13/12	Tue 10/23/12	
3	Receive updated demand info from District		3 days	Thu 9/13/12	Mon 9/17/12	
4	Design confirmation analysis		3 wks	Tue 9/18/12	Mon 10/8/12	3
5	Draft Technical Memorandum		1 day	Tue 10/9/12	Tue 10/9/12	4
6	District Review		1 wk	Wed 10/10/12	Tue 10/16/12	5
7	Final Technical Memorandum		1 wk	Wed 10/17/12	Tue 10/23/12	6
8	Complete Bid Package 1 Design		45 days	Tue 9/18/12	Mon 11/19/12	
9	District Review of 90%		3 wks	Tue 9/18/12	Mon 10/8/12	3
10	Final Submittal		6 wks	Tue 10/9/12	Mon 11/19/12	9
11	Revise and Complete Bid Package 4 Design		80 days	Wed 10/24/12	Tue 2/12/13	
12	District Review of Print Check Final		2 wks	Wed 10/24/12	Tue 11/6/12	7
13	Revised Draft Final Design Documents		8 wks	Wed 11/7/12	Tue 1/1/13	12
14	District Review		2 wks	Wed 1/2/13	Tue 1/15/13	13
15	Final submittal		4 wks	Wed 1/16/13	Tue 2/12/13	14
16	Complete Bid Package 3 Design		25 days	Wed 11/7/12	Tue 12/11/12	
17	Complete Bid Package 3		2 wks	Wed 11/7/12	Tue 11/20/12	12
18	Final Submittal		3 wks	Wed 11/21/12	Tue 12/11/12	17
19	Preliminary Phasing Schedule and Opinion of Probable Construction Cost		35 days	Wed 2/13/13	Tue 4/2/13	
20	Draft Technical Memorandum		3 wks	Wed 2/13/13	Tue 3/5/13	15, 10, 18
21	District Review		2 wks	Wed 3/6/13	Tue 3/19/13	20
22	Final Technical Memorandum		2 wks	Wed 3/20/13	Tue 4/2/13	21
23	Prequalification and Bidding for Bid Package 1		131 days	Wed 10/24/12	Wed 4/24/13	
24	Request Authorization to Advertise Prequalification		1 day	Wed 10/24/12	Wed 10/24/12	7
25	Advertise Prequalification		6 wks	Thu 10/25/12	Wed 12/5/12	24
26	Review Prequalification Packages		7 wks	Thu 12/6/12	Wed 1/23/13	25
27	Announce short list		0 days	Wed 1/23/13	Wed 1/23/13	26
28	Request Authorization for bidding		0 days	Wed 1/23/13	Wed 1/23/13	26
29	Solicit Bids		8 wks	Thu 1/24/13	Wed 3/20/13	28
30	Evaluate Bids		4 wks	Thu 3/21/13	Wed 4/17/13	29
31	Award Bid		1 day	Wed 4/24/13	Wed 4/24/13	30FS+4 days
32	Bidding for Bid Packages 3 and 4		51 days	Wed 2/13/13	Wed 4/24/13	
33	Request Authorization for bidding		1 day	Wed 2/13/13	Wed 2/13/13	15, 18
34	Solicit Bids		6 wks	Thu 2/14/13	Wed 3/27/13	33
35	Evaluate Bids		4 wks	Thu 3/28/13	Wed 4/24/13	34
36	Award Bids		0 days	Wed 4/24/13	Wed 4/24/13	35
37	CONSTRUCTION		261 days	Wed 5/22/13	Wed 5/21/14	
38	Bid Package #1 Construction (HDD Apr 15 - Oct 15)		6.5 mons	Wed 5/22/13	Tue 11/19/13	35S+1 mon
39	Bid Package #3 Construction		7 mons	Thu 5/23/13	Wed 12/4/13	36S+1 mon
40	Bid Package #4 Construction		13 mons	Thu 5/23/13	Wed 5/21/14	36S+1 mon

TO: WATER RESOURCES POLICY
COMMITTEE

FROM: MICHAEL S. LEBRUN *MSL*
GENERAL MANAGER

DATE: SEPTEMBER 6, 2012



**RECEIVE UPDATE REGARDING SUPPLEMENTAL WATER
ALTERNATIVES EVALUATION COMMITTEE**

ITEM

Staff will provide an update on recent activities of the Supplemental Water Alternatives Evaluation Committee [RECOMMEND RECEIVE UPDATE AND DIRECT STAFF].

BACKGROUND

On June 27, 2012, the Board approved Bylaws for a citizens' committee, the Supplemental Water Alternatives Evaluation Committee (Evaluation Committee), which will conduct an evaluation of alternatives for delivering supplemental water to the Nipomo Mesa Water Conservation Area.

In accordance with the Bylaws, the Evaluation Committee has seven (7) voting members, a non-voting Chair, and Vice Chair. The voting members fill defined roles (e.g. Finance, Water Resources Engineering, Environmental, and Citizen at Large) and were nominated to the committee by a Nomination Committee that reviewed and considered applications for the voting seats.

The Evaluation Committee Vice Chair is defined to be the District Engineer. On August 8, 2012, your Board approved the appointment of Michael K. Nunley of Michael K. Nunley & Associates as Chair of the Evaluation Committee.

At a Special Meeting held on August 14, 2012, the Board considered and approved the Nomination Committee recommendation for the seven voting members of the Evaluation Committee. The Evaluation Committee members are:

VOTING MEMBERS	SEAT
Armstrong, Craig	Finance
Garson, Dan	Citizen at Large
Graue, Dennis	Engineering
Matsuyama, Kathie	Environmental
Miller, Robert	Engineering
Watson, Dave	Finance
Woodson, Dan	Environmental
NON-VOTING MEMBERS	SEAT
Nunley, Michael	Chair
Sevcik, Peter	Vice Chair

On September 5, 2012 the Evaluation Committee held its first meeting. Staff will brief your committee on the meeting and outcomes.

FISCAL IMPACT

The seven voting members of the Evaluation Committee are community volunteers. The Chair is a consultant under contract to the District and the Vice Chair is salaried District staff.

STRATEGIC PLAN

Strategic Plan Goal 1.2 – Secure New Water Supplies

RECOMMENDATION

Receive update and direct staff.

T:\BOARD MATTERS\BOARD MEETINGS\BOARD LETTER\2012\COMMITTEES\WATER RESOURCES POLICY\120910 SWAEC UPDATE.docx