



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

805.542.9840 tel
805.542.9990 fax

E7

June 11, 2012

Michael LeBrun
Nipomo Community Services District
PO Box 326
Nipomo, CA 93444

Supplemental Water Project – Revised Phasing Technical Feasibility Study

Since the unsuccessful assessment vote for the Supplemental Water Project funding, NCS D's staff and Board of Directors have been working hard to develop options and evaluate the path forward for addressing the Mesa's supplemental water issues. The District has made significant investment in the Supplemental Water Project planning and design. There may be a revised phasing of the Project that would be feasible and make use of District's investments. Several aspects of a revised phasing would need to be evaluated, including technical, financial, and legal feasibility.

At your request, AECOM has prepared this proposal to perform a brief technical assessment of potential phasing scenarios for the Supplemental Water Project and evaluate impacts to the capital construction cost. Results of this study will be summarized in a technical memorandum and presented to the NCS D Water Resources Policy Committee and the Board of Directors.

Scope of Work

The detailed scope of work is outlined below.

Task 101. Identify potential phasing scenarios – AECOM will review the Supplemental Water Project design and develop up to three phasing scenarios with District staff, focusing on deferring project components that may not be essential for delivering supplemental water in the initial phase(s). This likely will result in a reduced flow capacity, which will need to be balanced against the potential reduced construction cost for these scenarios.

Task 102. Hydraulic Modeling – Hydraulic modeling will assist with evaluation of the capacity of the phasing scenarios determined by modeling different amounts of supplemental inflow from the Project and examining the resulting pressures at critical conditions around the system. Various phasing scenarios will be modeled to determine the maximum capacity for each. Our budget assumes up to three modeling scenarios will be analyzed.

Task 103. Pump Station Assessment – After development of phasing scenarios and modeling the maximum capacities of these scenarios, AECOM will review the flows and required pressures at the pump station and assess potential required revisions to the existing pump station design. Alternatives will be evaluated to match the capacities of the revised phasing scenarios with options for expansion in the future.

Task 104. Draft Technical Memorandum – AECOM will summarize the results of the feasibility study, including potential phasing scenarios, associated water delivery rates and associated capital construction costs, in a technical memorandum for District staff to review and comment. Our budget assumes an electronic submittal for this deliverable (as a PDF). AECOM will present results of the draft technical memorandum to the Water Resources Policy Committee for review and comment.

Task 105. Final Technical Memorandum – After receipt of a consolidated set of comments from the District, AECOM will integrate the comments as appropriate and provide a final technical memorandum (2 hard copies and 1 PDF file).

Task 106. Present Results to Committee and Board – Once the final technical memorandum is completed, AECOM will present the results to the Water Resources Policy Committee and the NCSD Board of Directors at the next available regularly scheduled meetings for each.

Schedule

AECOM will deliver the draft technical memorandum four (4) weeks after Notice to Proceed. The final technical memorandum will be delivered within two (2) weeks of receiving comments from the District. The table below summarizes the major deliverables and estimated schedule for completion. We have assumed two (2) weeks for District review of the draft Technical Memorandum, including District staff review, AECOM's presentation to the Committee and receipt of all District comments.

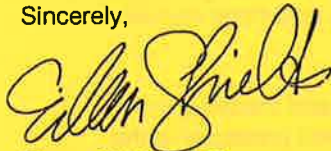
Deliverable	Weeks from Notice-to-Proceed
Draft Technical Memorandum	4
Receipt of District Review Comments	2
Final Technical Memorandum	2
Total	8

Budget

Our fee and charges will be invoiced on a time and materials basis, with a budget not to exceed \$7,517 based on the current fee schedule. Details are provided on the estimated engineering fee attached.

Please feel free to contact us if you have any questions or comments.

Sincerely,



Eileen Shields, PE
Project Engineer



Jon Hanlon, PE
Managing Engineer

Estimated Engineering Fee

Supplemental Water Project
Revised Phasing Technical Feasibility Study

Nipomo Community Services District

Task Description	Personnel Hours					Budget			
	Managing Engineer	Senior Engineer II	Senior Engineer I	Associate Engineer	Administrative	Total Hours	Labor	Non-Labor Fee	Total
Task Group 1									
101. Identify potential phasing scenarios	1		1			2	\$ 340	\$ 27	\$ 367
102. Hydraulic modeling	1		6			7	\$ 1,115	\$ 89	\$ 1,204
103. Pump station assessment		8				8	\$ 1,320	\$ 106	\$ 1,426
104. Draft Technical Memorandum	2		6	4	1	13	\$ 1,895	\$ 152	\$ 2,047
104A. Present Draft TM to Water Resources Policy Committee	1		1			2	\$ 340	\$ 27	\$ 367
105. Final Technical Memorandum	1		4	3	1	9	\$ 1,270	\$ 102	\$ 1,372
106. Present Final TM to Committee and Board	2		2			4	\$ 680	\$ 54	\$ 734
Subtotal	8	8	20	7	2	45	\$ 6,960	\$ 557	\$ 7,517
Total	8	8	20	7	2	45	\$ 6,960	\$ 557	\$ 7,517

Personnel Category	\$/HR
Managing Engineer	\$185.00
Senior Engineer II	\$165.00
Senior Engineer I	\$155.00
Associate Engineer	\$130.00
Administrative	\$75.00