



PROPOSAL EVALUATION

IRWM Grant Program – Local Groundwater Assistance, FY 2012-2013

Applicant	Zone 7 Water Agency	County	Contra Costa
Project Title	Upgrades, Calibrations, and Application of Groundwater Model of Groundwater and Salt Management in Livermore Valley Basin	Grant Request	\$ 250,000.00
		Total Project Cost	\$ 250,000.00

Project Description: The Proposal upgrades and improves Zone 7’s groundwater model to evaluate groundwater and salt management strategies and alternatives, develops plans that involve groundwater supplies, and aquifer storage and constituent transport.

Evaluation Summary:

Scoring Criterion	Score
GWMP or Program	5
Technical Adequacy of Work to be Performed	4
Work Plan	10
Budget	5
Schedule	5
QA/QC	5
Past Performance	5
Geographical Balance	0
Total Score	39

- **GWMP or Program:** The applicant has a GWMP that was formally adopted in September 21, 2005 and was sent to DWR September 23, 2005.
- **Technical Adequacy of Work to be Performed:** The criterion is addressed but is not thoroughly documented. The project will upgrade Zone 7’s groundwater model to manage the Livermore Valley Groundwater Basin, specifically in evaluating groundwater, salt management strategies and alternatives, as well as, for the development of specific project plans that involve groundwater supplies, aquifer storage, and constituent transport. For example, a complete description of the project was provided with great detail as to what upgrades they would be adding such as, MODFLOW-SURFACT, PEST, and Stream Flow Routing. The applicant clearly explains how the project supports the goals and objectives of their current GWMP. The applicant states that it will collaborate with other agencies, specifically the Tri Valley Retail Group (TVRG), with regard to the management of the basin. Also, draft reports will be provided to TVRG and made available to the public for comment. However, the applicant does not adequately support how collaboration with the public or stakeholders will occur beyond posting a final report to the website. Will the applicant hold meetings, workshops, provide informational mailings during the project period? Will federal and other State agencies be contacted? Also, it is not clear if TVRG is the only stakeholder to be engaged; a mining group and urban and agricultural irrigators are mentioned but no specifics are provided as to how Zone 7 will cooperate or collaborate with those groups.
- **Work Plan:** The criterion is fully addressed with thorough and well-presented documentation. The applicant details each task and subtask and their related deliverables throughout, and as a result, it is clear what will be done and what the product will be. The Work Plan is consistent with the Schedule and Budget, and can reasonably fulfill the objectives of the proposal.
- **Budget:** The criterion is fully addressed with thorough and well-presented documentation. The budget is consistent with both the work plan and schedule. The budget seems realistic based on the submitted bids.



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- **Schedule:** The criterion is fully addressed with thorough and well-presented documentation. The schedule follows that of the budget and work plan. The schedule to begin work starts April 1, 2013 and ends well before the two year deadline. The timeline presented for the work to be done appears to be reasonable.

- **QA/QC:** The criterion is fully addressed with thorough and well-presented documentation. Procedural assurances were provided for updating, calibrating, and applying the groundwater model. Standardized methodologies in the form of industry standards for modeling, guidelines, and model use were given. Peer review was included in the quality assurance as well. Personnel qualifications were given for two Zone 7 employees, three employees from Hydrometrics WRI, and one employee from the Lawrence Livermore Laboratory.

- **Past Performance:** The criterion is fully addressed with thorough and well-presented documentation. Zone 7 entered into a 2008-2009 LGA grant agreement with DWR in 2010. A performance evaluation from DWR was provided and stated that Zone 7 fulfilled all of the requirements under the LGA Program within budget and the allocated timeframe. The project was actually completed earlier than anticipated and 7% under budget.