PROPOSAL EVALUATION

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

Applicant	Fresno Metropolitan Flood Control District	**County**	Fresno
		Grant Request	$ 250,000.00
Project Title	Basin Recharge Improvement and Soil Sampling Project	**Total Project Cost**	$ 250,000.00

Project Description: The Proposal uses grant funds to collect soil data and make physical modifications to basin sites to improve their groundwater recharge capability. The project aims to demonstrate that the physical modifications of near surface soils in an existing basin can economically improve recharge performance.

Evaluation Summary:

Scoring Criterion	Score
GWMP or Program	5
Technical Adequacy of Work to be Performed	5
Work Plan	10
Budget	5
Schedule	5
QA/QC	5
Past Performance	5
Geographical Balance	0
Total Score	40

- **GWMP or Program:** Fresno Metropolitan Flood Control District (FMFCD) is an active member of the Fresno Area Regional Groundwater Management Plan (GWMP). The GWMP is included in the application, and contains a copy of the resolution demonstrating that FMFCD adopted the GWMP on February 8, 2006.

- **Technical Adequacy of Work to be Performed:** The criterion is fully addressed with thorough and well-presented documentation. A complete, detailed description of the proposed project was presented including the goals of the project, needed facilities, and project area covered; and how the applicant collaborates with other local public agencies with regard to the management of the affected groundwater basin. Because the one-time project would involve physical modifications of near surface soils in an existing basin to demonstrate increased recharge potential, it would not require funding after it is completed. Quarterly and annual recharge reports are funded by FMFCD as part of its ongoing operations and maintenance. The project objectives were listed and explained clearly and in detail. Schematics of the recharge performance demonstration basin are included in Figures 1-3 to 1-5. Integration of project goals and objectives with those of the Fresno-area Regional Groundwater Management Plan and the Upper Kings Basin IWMP are given on pages 4-5 to 4-9. The use and analysis of information generated from the project is described on pages 4-9 to 4-10, including use in future long-term studies.

- **Work Plan:** The criterion is fully addressed with thorough and well-presented documentation. The Work Plan is consistent with and supports the Budget and Schedule. The Applicant describes in sufficient detail what will be done and what the product will be. The tasks are well defined and contain deliverables. Scope has sufficient detail and may be used a grant agreement. The construction tasks appear to be technologically feasible. Maps of the basin location and proposed soil collection site locations are included. Project deliverables are presented. No private access would be needed as all proposed sites are within FMFCD land. Task 1 details how outreach would occur for interested parties, stakeholders, and the public; and task 4 details how IRWMP and GWMP members and interested parties, stakeholders, and public would be informed of project progress and results. Task 1 details how the project would comply with CEQA requirements. A discussion of how information gained from the project will be disseminated is included in Task 1.

Budget: The criterion is fully addressed with thorough and well-presented documentation. The applicant's Budget includes sufficient detail, and assumptions that appear realistic in meeting the proposal's objectives. The Applicant substantiates the reasonableness and logic for using a lump sum basis of estimates using worksheets showing budget assumptions, unit costs, and detailed engineering estimates. The Budget is consistent with the Schedule and the Work Plan. Most task budgets include explanatory text and supporting information for the basis of the hourly rate estimates.

- **Schedule:** The criterion is fully addressed with thorough and well-presented documentation. The Work Plan is consistent with and supports the Budget and Schedule and appears to be realistic for the work to be performed. The applicant provides a brief description of the tasks and how the schedule was derived and explains how unforeseen delays would be resolved. The Start Date is April 1, 2013 and the proposed End Date is September 2014. These dates are within the required PSP timeframe with sufficient amount of time to compensate for unforeseen delays and still complete the project within 2 years. The applicant would be ready to immediately proceed with the project if funding is awarded.

- **QA/QC:** The criterion is fully addressed and supported by thorough documentation and well-presented documentation The QA/QC plan contained procedural assurances, personnel qualifications, and standardized methodologies and analyses including adherence to ASTM D2487 "Standard Practice for Classification of Soils for Engineering Purposes" and D2488-09a "Standard Practice for Description and Identification of Soils". FMFCD basin recharge monitoring QA measures were detailed.

- **Past Performance:** The criterion is fully addressed with thorough and well-presented documentation. The applicant provided a summary of work successfully completed that was comparable to the proposal and backup information including invoice summaries, final reports, and confirmation from the grantor agency documenting that the work was completed.