

Attachment 6. Budget

Reclamation District 2035 Conjunctive Use and Environmental Enhancement Program

<p>Task 1 – Data Collection</p> <p>1.1 Collect data on existing diversions, canal flows, groundwater levels, groundwater quality, surface water quality, cropping and other information from RD 2035.</p> <p>1.2 Collect data from Yolo County Flood Control and Water Conservation District (YCFCWCD), California Department of Water Resources (DWR), U.S. Geologic Survey (USGS) and others.</p> <p>1.3 Review 1995 Groundwater Management Plan (GWMP), Yolo Integrated Regional Water Management Plan (IRWMP), and other local and regional water planning documents.</p> <p>1.4 Review water rights documents and water supply contracts.</p> <p>1.5 Review Yolo County Groundwater Ordinance</p>	\$15,000
<p>Task 2 – Data Analysis and Management</p> <p>2.1 Compile data in centralized database including both geographic and temporal time-series information.</p> <p>2.2 Develop analytical tools including computer simulation scenarios representing basin groundwater and surface water dynamics.</p> <p>2.3 Prepare work plan to efficiently organize and retrieve data.</p> <p>2.4 Determine data gaps and work plan to address needed information.</p> <p>2.5 Determine and satisfy the requisite data needs for the Quantitative Management model.</p>	\$15,000
<p>Task 3 – Conduct Field Study</p> <p>3.1 Review existing data on stream-aquifer interactions, including data within other Sacramento Valley areas.</p> <p>3.2 Design a field study to quantify the hydraulic connection between the Sacramento River and underlying groundwater system within the vicinity of RD 2035.</p> <p>3.3 Analyze the field data, along with other information, using a local-scale groundwater model.</p>	\$50,000
<p>Task 4 – Development of Operational Alternatives</p> <p>4.1 Identify alternative operational objectives based on seasonal, annual and long-term conditions.</p> <p>4.2 Identify the constraints associated with each objective.</p> <p>4.3 Identify historic and projected periods for analyzing alternatives.</p> <p>4.4 Develop Technical Memorandum #1 to memorialize alternative operational objectives and constraints.</p>	\$45,000

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<p>Task 5 – Quantitative Management Model Development</p> <p>5.1 Create groundwater model using refined mesh to show stream-aquifer interaction.</p> <p>5.2 Create Quantitative Management Model based on MINOS or similar quantitative management software.</p> <p>5.3 Use the Quantitative Management Model to evaluate the alternatives identified within Task 4.</p> <p>5.4 Perform Quality Assurance of modeling Tasks.</p> <p>5.5 Prepare two reports: (1) A Technical Memorandum summarizing initial model development and findings (To be presented at GWMP update kick-off meeting, Task 7.4); and (2) A Final Quantitative Management Model Report, including operational instructions.</p>	\$225,000
<p>Task 6 – Groundwater Management Plan Update</p> <p>6.1 Review existing RD 2035 Groundwater Management Plan (GWMP) and California Water Code Section 10750 et.seq. to ensure groundwater management plan update is consistent with the latest California Water Code provisions related to groundwater management planning requirements.</p> <p>6.2 Incorporate data developed under Task 1 through Task 5 to incorporate into GWMP.</p> <p>6.3 Summarize existing Basin Management Objectives (BMO's) within region and develop BMO's for the GWMP update consistent with existing monitoring and management components, regional BMO's, the California Water Plan, and other regional planning documents. Ensure updated BMO's tie in to Task 5.4, Quantitative Management Strategies.</p> <p>6.4 Establish means and methods to involve various agencies, stakeholders and the public in development of the GWMP.</p> <p>6.5 Prepare groundwater basin maps and other documents in accordance with DWR Bulletin 118.</p> <p>6.6 Prepare and adopt Final Groundwater Management Plan and circulate copies of the Plan to local agencies, the State, and post on web page to make available to community.</p>	\$65,000
<p>Task 7 – Management, Environmental Considerations, and Public Outreach</p> <p>7.1 Project Management</p> <p>7.2 Environmental Considerations</p> <p>7.3 Public Outreach and Education</p>	\$35,000
Total Program Costs	\$450,000