

Mendocino City Community Services District

Past Performance

Att9_LGA12_MCCSD_PERFORM_1of3

Mendocino City Community Services District (MCCSD) has been the recipient of two Local Groundwater Assistance Grants:

1. Agreement No. 4600002462 for Fiscal Year 2001-02

In 2001, the MCCSD received a Local Groundwater Assistance Grant from the Department of Water Resources (DWR) for improvements to the District's Groundwater Management Program (Appendix A, page 2). A Grant Project was proposed to expand the District's Geographic Information System (GIS) to include groundwater data, to conduct modeling of the hydrogeology of Mendocino from existing District and DWR groundwater data, and to drill additional monitoring wells to obtain representative aquifer groundwater level information. The grant was funded in fiscal year 2001/2002 for a grant amount of \$200,000, and the grant project was completed in June 2004 (Appendix A, page 3).

The ***Groundwater Modeling Study of the Mendocino Headlands*** was completed, and a groundwater numerical flow computer model was successfully developed for the Mendocino Headlands aquifer. The groundwater model provided a useful management tool to evaluate potential future trends in groundwater availability. The groundwater availability, perennial yield, and storage capacity of the Mendocino Headlands aquifer were quantified for the management and protection of the Town of Mendocino's groundwater resource.

The grant application Work Plan proposed ten (10) project tasks, as follows: 1) Data Compilation-Data Gap Analysis, 2) Updated Groundwater Monitoring Program, 3) Data Collection/ Well Installation & Pump Testing, 4) Purchase and Install GIS Software and Computer System, 5) Develop and Calibrate Preliminary MODFLOW Groundwater Model of Mendocino area, 6) Develop a GIS database for a map layer of wells, 7) Run model to determine/define aquifer parameters, 8) Prepare Report and Model Documentation, 9) Provide training to District staff, and 10) Project Management.

The Project Budget was for \$200,000 (Appendix A, page 4). The final Summary Invoice was submitted to DWR in June 2004 (Appendix A, page 8). Project tasks were further broken down into sub-tasks. The cost per sub-task and the hours required to complete each sub-task were found in Table 8 of the 5/12/04 MCCSD Final Report to DWR (Appendix A, page 6-7). MCCSD was able to complete grant Agreement No. 4600002462 within budget (Appendix A, page 6-8).

The proposed Work Program schedule was anticipated to require 12 ½ months to complete. The actual Project Schedule was completed in 22 months from notification by DWR that the District had received the grant, and that they were authorized to proceed with the project. The District included a Revised Schedule with an Actual vs. Revised Schedule in the 5/12/04 MCCSD Final Report to DWR (Appendix A, page 7). MCCSD was able to complete the project ahead of the two year DWR time limit.

The seven Project Deliverables reports were completed and delivered on time to DWR in progress reports or in the Final MCCSD Report to DWR (Appendix A, page 5). The Final Project Report, ***Groundwater Modeling Study of the Mendocino Headlands***, was accepted by DWR on September 16, 2004 (Appendix A, page 3). DWR acceptance of the report represented successful completion of MCCSD's obligation under Agreement No. 4600002462.

Mendocino City Community Services District

2. Agreement No. 4600004097 for Fiscal Year 2004-05

Mendocino City Community Services District (MCCSD) was awarded a Local Groundwater Assistance Grant in June of 2005 from the Department of Water Resources (DWR) for FY 2004-2005. The scope of the grant project was to improve the District's Groundwater Monitoring Program, to update the Groundwater Management Plan (GWMP), and to create a Water Shortage Contingency Plan to provide a strategy and specific response measures for the next drought. The grant was for \$144,400 (Appendix B, page 2).

The Work Plan of the ***Mendocino Groundwater Monitoring and Management Project*** consisted of eight Tasks: 1) Monitoring Well Drilling, 2) Purchase of Data Loggers, 3) Installation of Data Loggers, 4) Collection of Groundwater Level Measurements, 5) Creation of a Geodatabase, 6) Review of the Groundwater Extraction Permit Ordinance, 7) Development of Drought Contingency Plan, and 8) Project Management. Each grant task contributed to achieving the goals of the grant project.

Drilling two new monitoring wells and installing data loggers in six monitoring wells improved the District's Groundwater Monitoring Program. The creation of a geographic information system (GIS) geodatabase has advanced the District's efforts to upgrade the GIS and to expand the well database. Both the legal administrative procedures and the aquifer testing protocol in the Groundwater Extraction Permit ordinance were revised, and an amended Groundwater Extraction Permit ordinance was adopted by the District with the new revisions on 1/29/07. The amended ordinance simplified the permitting process. The aquifer testing requirements were revised to protect existing users from incremental or cumulative impacts from new development. A Water Shortage Contingency Plan (WSCP) and accompanying ordinance were developed and adopted by the District following additional public review on 7/30/07. Following adoption of the WSCP, it was included in the District's Groundwater Management Plan and Programs. The WSCP has been used during several recent drought periods to prevent serious declines in normal groundwater levels.

The Project Budget was for \$144,400 (Appendix B, page 2). The final Summary Invoice was submitted to DWR in June 2004 (Appendix B, page 8). The final total of the grant project expenses were equal to the original cost estimate. The task costs and the hours required to complete each sub-task were found in Table 4 of the 3/31/07 Revised Expense Summary of the MCCSD Final Report to DWR (Appendix B, page 6). MCCSD was able to complete grant Agreement No. 4600004097 within budget (Appendix B, page 5-6).

The final work on the geodatabase and the review of the GWEP ordinance were completed in March 2007. The original work plan scheduled these tasks for completion in December 2006. All Project Work Plan tasks were completed as originally proposed within the two year DWR time limit (Appendix B, page 7). The DWR 5/25/07 Grantee Performance Evaluation confirmed that the District completed all project work, and fulfilled all requirements of Agreement No. 4600004097 on time and within Budget (Appendix B, page 4).

Summary

MCCSD has successfully completed two LGA Grants on time and within budget. The grants have improved MCCSD's groundwater management activities, and arguably most of what is known about Mendocino's hydrogeology was learned through the grant projects.