



# Agricultural Water Data Project

U.S. Bureau of Reclamation: Agricultural Water Conservation and Efficiency Grant Application

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# Project Benefits

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- **Improves Decision Making**
  - On-line access to digital meter reads updated every four hours
  - Irrigation scheduling improves management of on-farm pressure and flow
  - Trend analysis provides water use history at a glance
  - Leaks are detected quickly and accurately
  - Water allocation tracking helps control costs
- **Implements Key Recommendations**
  - The Agricultural Irrigation Systems Optimization Review recommended:
    - Solutions to low and variable pressures delivered to some agricultural customers
    - Assisting farmers to improve their irrigation systems and practices
    - Providing totalized and gallons-per-minute meter readings
- **Expands Customer Support Services**
  - Responds to farmers requests for better access to water use information
  - Enhances communication between customers and EMWD
  - Leverages investments in Automated Meter Reading

# Project Goal: Develop an Integrated Software Solution

- Make water use data available to farmers 24/7 on mobile and desktop devices



## Agricultural Irrigation

Specifically configured to meet the needs of farmers, growers and agricultural organizations, this robust and reliable irrigation and water supply control system enables monitoring and control over an unlimited number of field valves, water meters, water pumps, fertilizers, sensors, etc.

# Project Overview

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**Project Cost:** \$455,112

**Requested Federal USBR Funding:** \$210,000

**EMWD Reserve Funding:** \$245,112

## Deliverables:

- Mobilize staff and prepare a Request for Proposals for database consultant
- Develop outreach and engagement plan for farmers
- Collaborate with the Natural Resources Conservation District, Resource Conservation District, and the Irrigation Training & Research Center at Cal Poly San Luis Obispo
- Build, test, and launch on-line support tools

## Timeline:

- Complete project within one year of grant award

# Recommendation

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Adopt a Resolution authorizing the General Manager, or his designee, to sign and file, for and on behalf of the District, an Agricultural Water Conservation and Efficiency Grant application for financing the implementation of the Agricultural Water Data Project.



## Contact Information

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