

EMPLOYING THE POWER OF TECHNOLOGY

OPTIMIZING GENERATIONS OF HARD WORK

“Low-cost, real-time (or near real-time) instrumentation promises a revolution in improved water management. Just as the rapid evolution in microcomputer hardware--with great memory and faster speed at lower costs--and software have expanded capabilities, so have the dynamic advances in environmental sensors, telemetry equipment, dataloggers and controllers, and solar technologies widened horizons. Today, real-time monitoring and control systems are within the cost range of almost all water user groups, including irrigators, canal companies, water districts, municipal water suppliers, and wildlife management groups.”

-ROGER HANSEN

“Our history defines our present attitude towards hard work, quality and reliability. We are at a pivotal point in our state where we have to decide on prudent policies. Our experience at RWTA suggest that the answer to current concerns might simply be to leverage technology for better water management.”

OLD PROBLEMS

Aging and outdated infrastructure and technology

NEW SOLUTIONS

Low-cost, real-time monitoring and control systems, data collection, and data display.

Water waste

Timely information on the state of the system and the ability (through automation) to make release changes any time a change is needed. As easily as you can send an email, you can determine your exact water levels, identify potential hazards, and keep water use on track.

Unreliable data

Basin wide monitoring installation combined with real-time data analytics, makes data reporting accurate and reliable. Reliable data makes it possible to properly forecast and prepare for the future.

No statewide standardized data collection practices and incomplete quality control practices

Using current technology we can achieve real-time actionable information and control, along with measureable conservation results. We can create standardized measurement, data acquisition, analytics and data visualization.

Contention and conflict

Collected water data displayed in real-time on a public website allows all stakeholders to see current information. Access to the data creates trust and conflict is minimized.

