

Cagwin & Dorward

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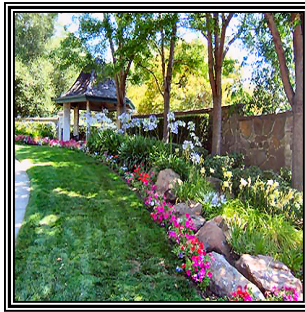
Manage Your Water and Cut Your Costs

Water is like money. If you manage your site's water use wisely, you can get the maximum benefit, and conserve your cash.

Only one percent of all the water on Earth is available for human use, and it has to be shared by the entire population of the planet. This precious resource is limited by population growth, industrialization, and urbanization. Throw in drought, global warming, and government mandates to limit water use, and you begin to realize that we have a problem that won't easily go away.

Cagwin & Dorward has helped many customers control their water use and pocket the savings. Here are some examples:

Blackhawk Homeowners' Association, Danville, CA



Savings:

- **16 million gallons of water** (equating to 24,000 units of water) saved in first 4 years, for a savings of **\$51,000** in HOA water costs
- **\$50,000** in credits returned to the HOA through the East Bay Municipal Utility District's material rebate program

Major system changes:

- Installed master valves and flow meters at backflows and wired them to a controller
- Added computer controller with two-way radio communication
- Installed rain-gauge irrigation-interrupt system that is shared with all controllers
- Installed ET weather gauge to measure daily ET; shared with all controllers
- Installed two antenna-communication hub sites to send and receive radio signals and download data through a phone line to a laptop
- Renovated existing sprinkler layout and nozzle changes to improve efficiency



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Altamar at the Ridge, Redwood City, CA

Savings:

- Watering cost reduced by **\$14,000 in first four months**
- Irrigation water reduced by **1.2 million gallons**
- Water use reduced by **27%**

Major changes:

- Developed site water budget
- Completed Return on Investment (ROI) study
- Installed 11 HydroPoint SMART controllers
- Read meter weekly and compared water use to budget

Challenges and Solutions:

Macro-Management is a Challenge

As the demand for water has exceeded the supply in many cases, the macro-management of water has become extremely challenging:

- Government requirements are not always clear, and are open to different interpretations and enforcement
- Existing rules vary by county and city, some customers have multiple limitations such as high water costs, or a punitive system for overuse, and others have no restrictions
- Diverting water from rivers for irrigation is harmful to the environment
- Some customers do not pay the water bill directly, so they are only vaguely aware of the water cost



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Micro-Management is Easier

While we all can and should voice our concerns about how water is allocated, we can go one step further and directly manage our own water use. Here's your chance to think globally and act locally.

Many people don't realize that as much as 50% of landscaping cost is for water. We offer proven, workable solutions that can bring immediate relief from water costs and penalties by addressing these items:

- Existing irrigation systems
 - Irrigation checks twice a year to ensure irrigation systems are running efficiently
 - Regular meter readings to ensure that your landscape is watered to a budget
- Irrigation system upgrades
 - Assessments of your future water needs so that you can avoid exceeding your water budget
 - Explore how SMART controllers and new technologies can help you reduce your water costs
- Landscape Upgrades
 - Design attractive low-water-use landscapes to maintain your site's aesthetics while reducing your water bill.
- Master planning and budgeting
 - Provide a ROI analysis to help make wise decisions with your resources.
 - Work with you to determine the best balance among aesthetics, time frame, budget, and ROI

Isn't it time that you took control of your water costs? Call Cagwin & Dorward to find out how you can begin saving money through smart water management.



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