

CASE STUDY: River Ranch at Arrowhead



In 2023, ET Irrigation implemented Controller Modernization with Flow Management tools and focus Irrigation Management to get consumption in-line with the sites Landscape Water Budget.

2023's water use reduction topped 1.7 million gallons and avoided \$80,000 in water cost.



CHALLENGE

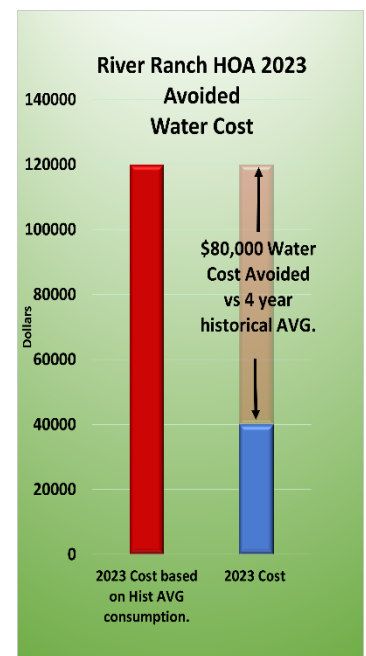
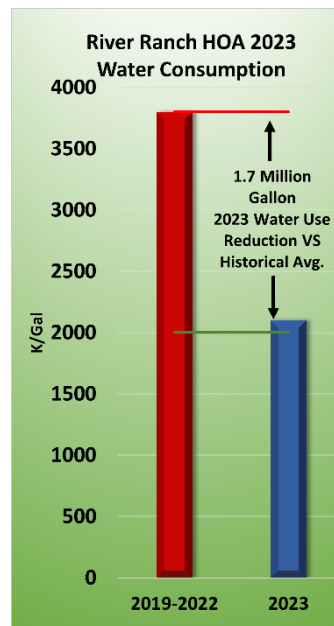
Reduction of water waste while maintaining the current landscape. Identify how best to schedule irrigation with the wide variety of micro-climates throughout the community. Create a plan to best separate irrigation zones that irrigate multiple plant types or Hydrozones.

PROCESS

- Install weather-based irrigation controllers.
- Integrated flow sensors and master-valves for flow management.
- Conduct extensive analysis to identify potential addition savings and create an Irrigation Map.
- Initiate in-ground improvements and sustainable management practices.

RESULTS:

- **Controller Modernization, in-ground improvements, management cost \$130,000.**
- **2023 avoided water cost based on 4-year historical water use avg \$80,000.**
- **Rebate dollars received \$30,000.**



“Our goal was to determine landscape water requirements based on existing plant hydrazones and implement ET's irrigation management strategies to maximize water use efficiency - while providing River Ranch HOA with acceptable plant aesthetics along with sustainable irrigation results.

— BRIAN BAIR

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