

4 YEAR CASE STUDY: Trailside at Arrowhead

In 2020, ET Irrigation implemented alternative solutions along with management for Trailside HOA. Upgrade cost for controllers and inground improvements over a couple of years totaled approximately \$120,000.

4 years of avoided water cost due to water use reduction has totaled approximately \$180,000.



CHALLENGE

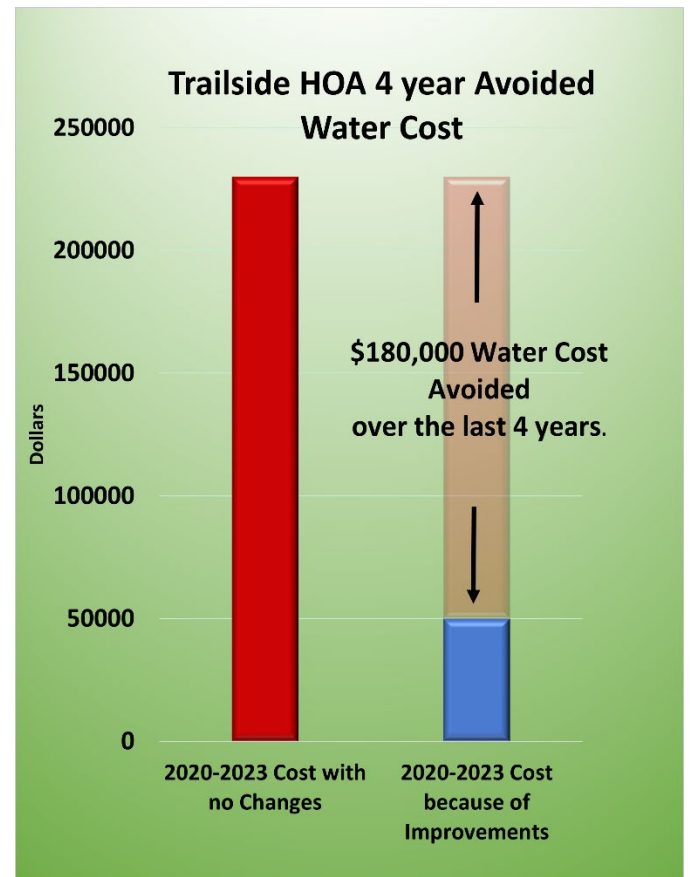
Being mountainside, frequent gradient changes and abounding biodiversity are packed into varying micro-climates within short distances. Soils are unforgiving and weather changes without notice. Solutions must integrate a unified system, utilize individualized zone data, and incorporate current weather data to account for the ever-changing environment.

PROCESS

- Conduct extensive analysis to identify potential savings and an Irrigation Map
- Install weather-based irrigation controllers.
- Integrated flow sensors and master-valves for flow management.
- Initiate in-ground improvements and sustainable management practices.
- Renovate landscape to reduce overall water requirement.

RESULTS:

- **4 Years approximately 6,000,000 gallons of water use avoided.**
- **Future cost avoidance will only be increasing at water rates continue to go up.**



“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 Trailside HOA with acceptable plant aesthetics along with sustainable irrigation results.

— BRIAN BAIR
PRESIDENT ET IRRIGATION

CONTACT

Brian Bair