

CASE STUDY: Trailside at Arrowhead

In 2020, ET Irrigation completed an irrigation and plant hydrozone inspection on 148 zones, proposed and implemented alternative solutions along with management for Trailside HOA in Arrowhead Village. **Result \$30,000 reduction in water cost annually.**



CHALLENGE

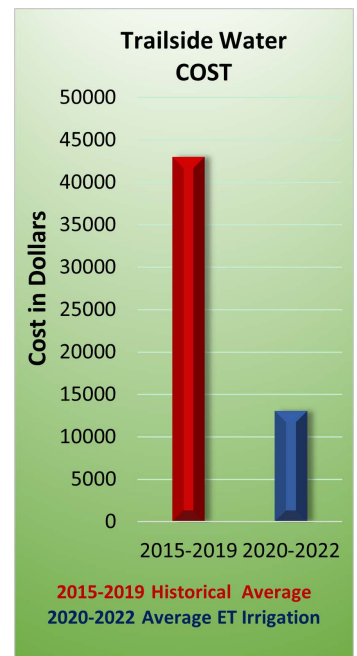
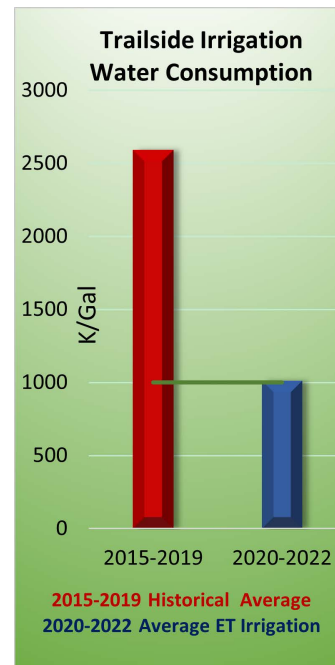
Being mountainside, frequent gradient changes and abounding biodiversity are packed into varying micro-climates within short distances. Soils are unforgiving and weather changes without notice. Solutions have to integrate a unified system, utilize individualized zone data, and incorporate current weather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

- **\$30,000 in reduced water Cost vs Historical Average.**
- 1.5 million gallons of water use reduction vs 5 year historical consumption in the first year.



“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

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