

## CASE STUDY: Coal Creek Villages



# ET Irrigation retrofit conventional hardware to weather-based controllers and wireless communicating valves to enhance annual reductions for Coal Creek Villages.



### CHALLENGE

Areas irrigated off nodes without wires back to conventional controllers cost electrical labor and inefficiency management throughout the constant changes of an irrigation season. With 30+ nodes on-site managing plant water requirements per hydrant isn't feasible. ET Irrigation had to find applications that were appropriate to retrofit a system in order to optimize its irrigation efficiency.

### PROCESS

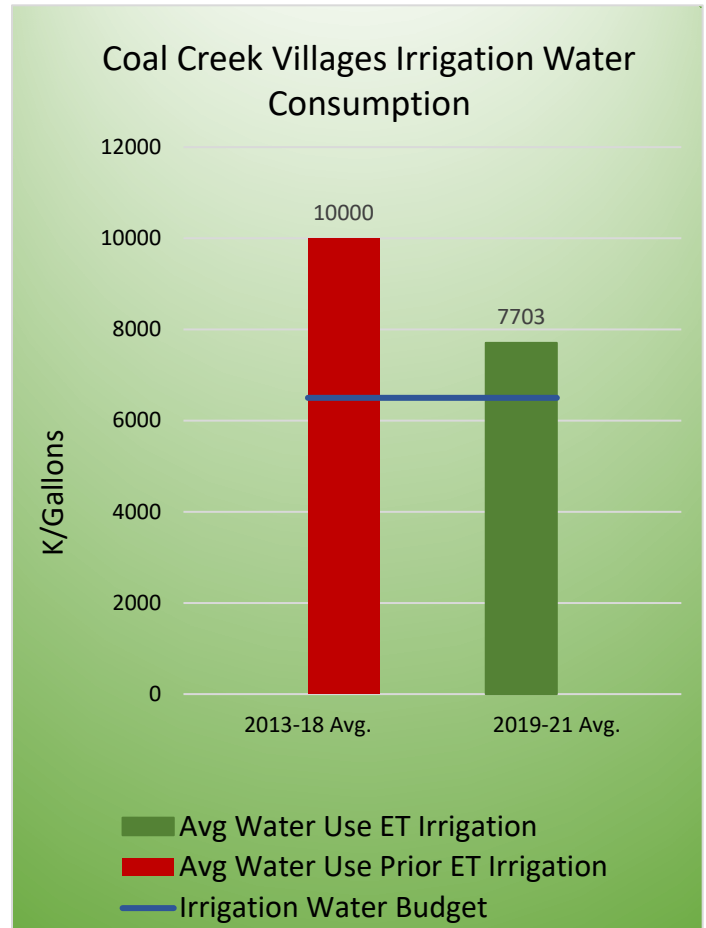
- Conduct a water use analysis to identify potential savings
- Create an Irrigation Map of controller zones
- Install weather-based irrigation controllers
- Initiate "in-ground" improvements to increase irrigation efficiency
- Implement sustainable irrigation management practices

### RESULTS:

- **2.3 million gallon average water use reduction vs prior average historical consumption.**

### C O N T A C T

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"Our goal was to determine landscape water requirements, balance irrigation maintenance cost and irrigation system operations to maximize water use efficiency - while providing Coal Creek Villages with sustainable irrigation management results.

— BRIAN BAIR  
PRESIDENT ET IRRIGATION