

Innovative irrigation auditing techniques. Fast and accurate savings estimates.

Issue: Traditional irrigation audits are time consuming and expensive. Is there a way to leverage technology to perform more audits in less time?

SMART Watering Systems inc. worked with city water efficiency managers to develop and deploy a "Smart Water Audit App" intended to communicate water savings estimates quickly to the homeowner or property manager.

App features:

- an audit report that shows "inches per week" not "distribution uniformity"
- pictures integrated into the report.
- show water use on a zone by zone basis.
- instantly calculate water use and the ROI of water efficient upgrades.
- show an ROI chart so clients can choose " low hanging fruit " for system improvements.
- email reports to clients to eliminate paperwork.

Research Findings:

- time to perform audits and generate a report reduced by over 50%.
- homeowners and property managers like instant feedback (on- site as opposed to a few days later once the report is completed).
- App can be used by non-subject material experts.
- pictures help "sell" water efficient upgrades.
- end users like to know how many inches per week they are actually applying.
- builds a database for municipal staff to reference in the future.



Conclusion: An audit app makes it possible to gather more data in less time, and results in a higher success rate for client uptake of water efficient upgrades.