

BACKGROUND

Recent home water audits for the City of Tempe have identified cases of high water bills for some single family residential homes that have low flow indoor features as well as high efficiency irrigation systems. When the Water Conservation Office conducted these water audits for a number of homes they found that these high water-using houses had no evidence of possible leaks; however, most of these houses have green turf in their front and back yards. This suggests that people may be overwatering their yards.



PURPOSE

The goal of this research is to analyze summer outdoor water use for single family residential homes in Tempe, Arizona, by answering the question:

To what extent are Tempe residents over-watering their yards during summer relative to recommended irrigation standards?

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Oracle Billing System using their addresses.





80,000 gallons per month during the summer, which

The results show that there is a correlation between attributed to irrigation system inefficiencies. As such reduce their water consumption and help save water