

## **Title: Reliability of Large Rainwater Tanks in Semi-Arid Climate**

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**Abstract:** Rainwater tanks systems are an attractive alternative to save water even in semi-arid climates like Southern California where the annual average rainfall is about 19 inches/year. Efficiency of these systems depend on tank size, local climate, and potable water demand. This study investigates rainwater saving potential of rainwater tank system using a simple daily water balance model.