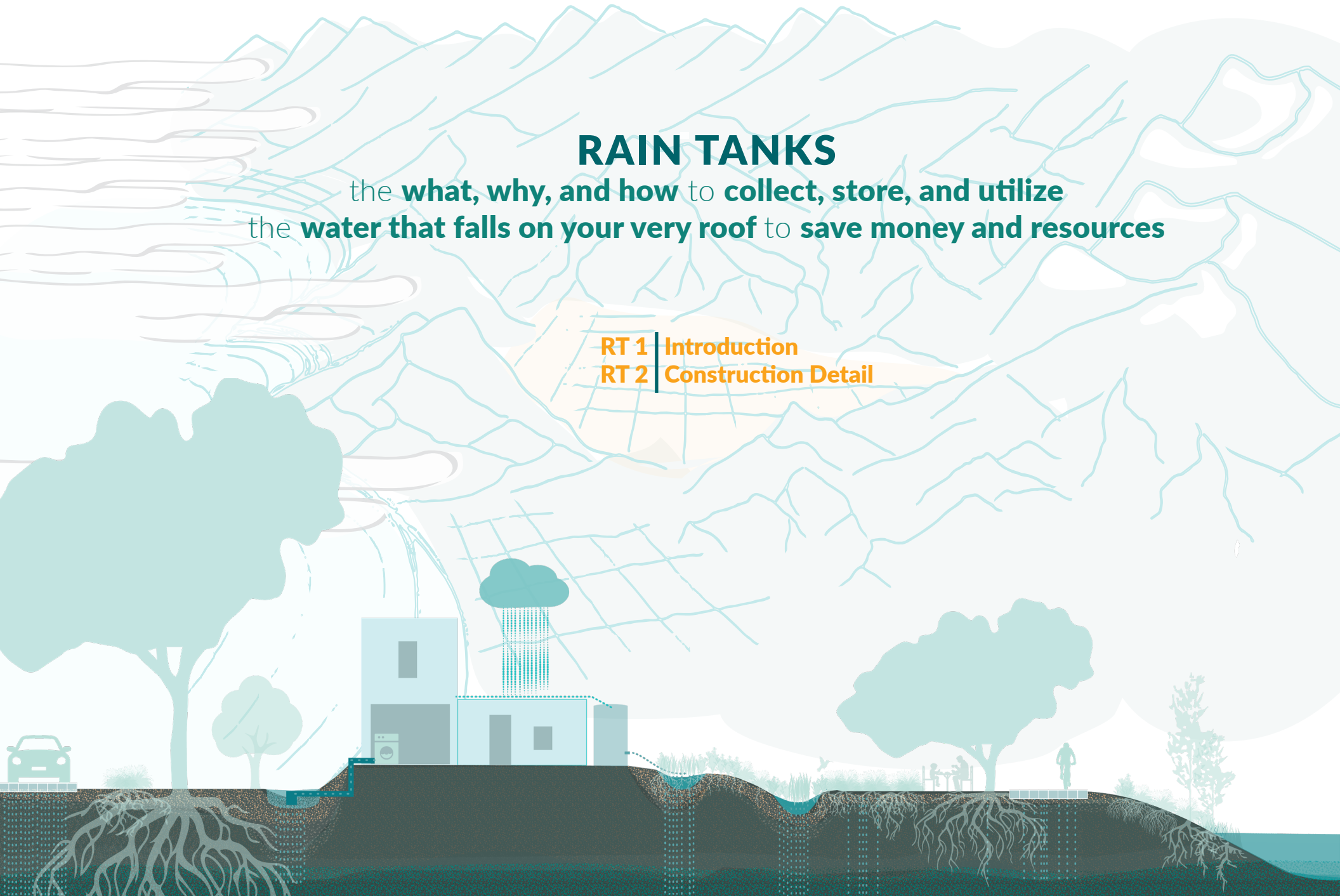




RAIN TANKS

the **what, why, and how** to **collect, store, and utilize**
the **water that falls on your very roof** to **save money and resources**

- RT 1 | Introduction
- RT 2 | Construction Detail



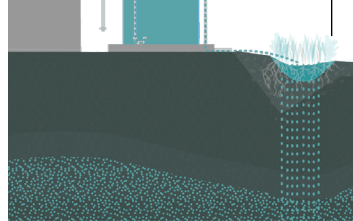
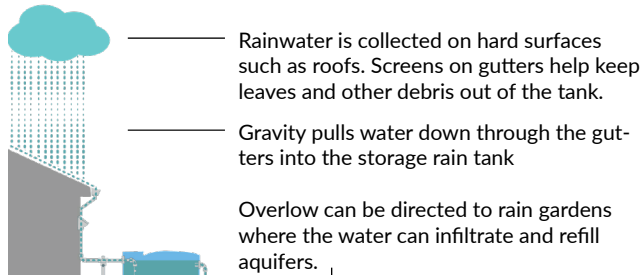
1

RAIN TANKS

the **what, why, and how** to **collect, store, and utilize** the **water that falls on your very roof** to **save money and resources**

BASICS

It rains in Southern California, even in a drought. (In fact, sometimes more intensely!) Rainwater harvesting helps reduce flooding, localizes our water sources & makes us more water resilient.

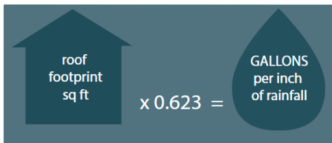


Example rainwater harvesting system

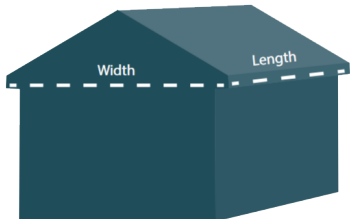


Example rain tank

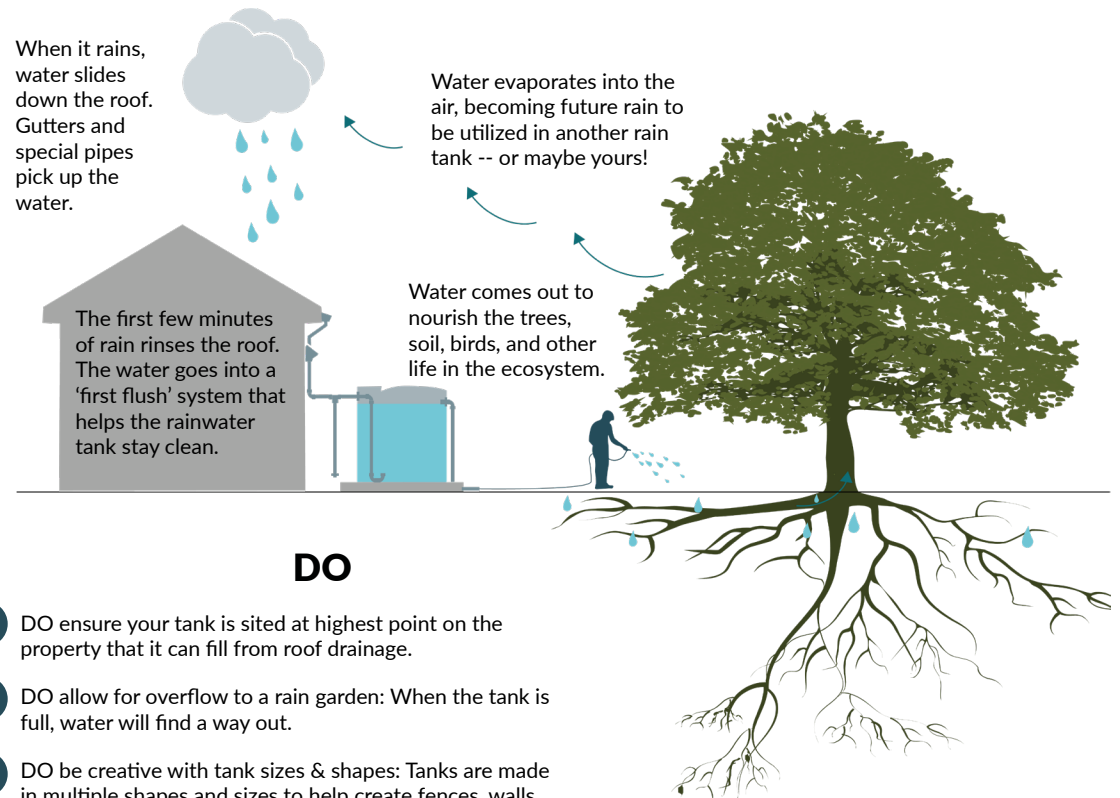
CALCULATE THE IMPACT!



Using this formula, you can calculate the amount of water savings possible through rainwater harvesting. A typical Ventura home could harvest enough rainwater to irrigate up to 40 citrus trees!



RAINWATER HARVESTING IN CONTEXT



DO

- ✓ DO ensure your tank is sited at highest point on the property that it can fill from roof drainage.
- ✓ DO allow for overflow to a rain garden: When the tank is full, water will find a way out.
- ✓ DO be creative with tank sizes & shapes: Tanks are made in multiple shapes and sizes to help create fences, walls, or to fit even under decks.
- ✓ DO install tank(s) on a compacted & level footing: Tanks with height-to-width ratios greater than 2-1 must be mounted to a structure.
- ✓ DO put multiple tanks together: Tanks may be plumbed together to fit on a site where one larger wouldn't.
- ✓ DO identify your water needs: How much water do you need? Harvested rainwater can be used for irrigation, car washing, livestock watering, toilet flushing, laundry & fire suppression.
- ✓ DO locate tanks close to the rainwater source and destination: Identify a location close to the source (downspouts) & close to the irrigation destination (plants). Ensure a setback of 3 feet from any buildings & not blocking windows.

DO NOT

- ✗ DO NOT use fine sand for a base of tank. It will wash away & make the tank unstable.
- ✗ DO NOT attempt to install yourself if you cannot. Call a local professional to evaluate & install.

ADDITIONAL RESOURCES

[The Water Harvester: An Invitation to Abundance \(documentary\)](#)

[Harvesting Rainwater for Drylands and Beyond](#)

[WaterCache: Rainwater Harvesting 101](#)

[American Rainwater Catchment Systems Association](#)

2

RAIN TANKS STANDARD RAINWATER HARVESTING SYSTEM CONSTRUCTION DETAILS

