

# CONVERT YOUR SWIMMING POOL TO A RAIN TANK

## WHY RAINWATER HARVEST?

Why let good water go to waste when you can reuse it for another purpose? As water conservation and water management become more important issues in nearly every part of the world, many people are looking to Rainwater Harvesting as a solution. A properly designed system can dramatically reduce or completely eliminate your need for an outside water source for your irrigation system.

## CAPTURING AND REUSING RAINWATER MAKES DOLLARS AND “SENSE”

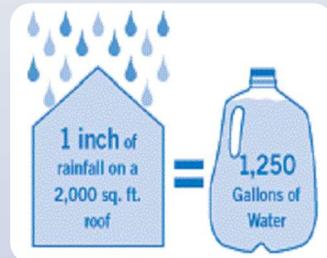
- Reduce your dependence on local water supplies and reduce your water bills dramatically
- Avoid strict watering schedules
- Help the environment by limiting storm water run-off and erosion, and alleviating demand on our storm water systems
- Enhance your landscape and increase the value of your property

## BETTER FOR YOUR LANDSCAPE THAN MUNICIPALLY TREATED WATER

- Rainwater is extremely rich in nutrients
- Using rainwater to irrigate will reduce fertilizer use
- No chemicals have to be added to rainwater

## WHY CONVERT YOUR POOL TO AN UNDERGROUND RESERVOIR?

- Instead of a concrete basin filled with chlorinated water, you can have a lush landscape or a recirculating waterfall – all fed with rain harvested from the roof and stored in recycled-plastic tanks underground
- No more costly chemicals – maintaining water quality in pools requires substantial amounts of chlorine, acids, and other chemicals
- Save water not just by using less municipal water for your landscape, but by getting rid of the pool which can evaporate and lose as much as 24,000 gallons of water every year
- Save energy – after indoor heating and air conditioning, pool pumps are often the next highest energy consumer
- No jackhammering out the pool or bulldozing it full of dirt – help the environment by reducing excavation and disposal costs
- Avoid pool removal costs, ranging anywhere from \$6,000 to \$15,000, depending on a variety of factors (size, access, pool material, special city requirements, proximity to baylands, etc.)
- A maintenance-free underground storage tank can keep your garden green all year round, and dramatically reduce the need for irrigation.



## DID YOU KNOW

1 inch of rainfall on a 2,000 sq. ft. residential roof yields 1,250 gallons of water that can be reused.

The same roof in a region receiving 26" of annual rainfall generates 32,500 gallons of reusable water.

Between 30-70% of water used at home is used outdoors, depending on climate region.

An average household uses 66,175 gallons of water outdoors per year.

Switching to drip irrigation can reduce your water usage by up to 50%.

An underground rainwater tank allows you to collect thousands of gallons of water underneath a beautiful landscape.

The new proposed Drought Recovery & Resilience Act of 2015 would provide \$2,000 in tax credits to households that install Rainwater Harvesting systems.

People have been harvesting rainwater for over 4,000 years.

## HOW CAN YOU REUSE RAINWATER VIA AN UNDERGROUND SYSTEM?

- Water your garden
- Wash your car, patio or deck
- Flush toilets and wash clothes
- Protect property from wildfires

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## How it Works

The rain tank system captures water from roof areas via guttering and downspouts. It gravity-feeds through above and underground drainage pipe and is then passed through a filter before entering the tank.



The filter removes any leaves or debris from the rainwater before it is transported into the tank. Clean rainwater is retained within the storage area away from harmful U.V. light and heat, readily available for reuse.

A submersible pump is installed inside the underground rain tank which automatically delivers the rain water to irrigation valves for landscape use. If the rainwater runs out, the system automatically switches to tap water.

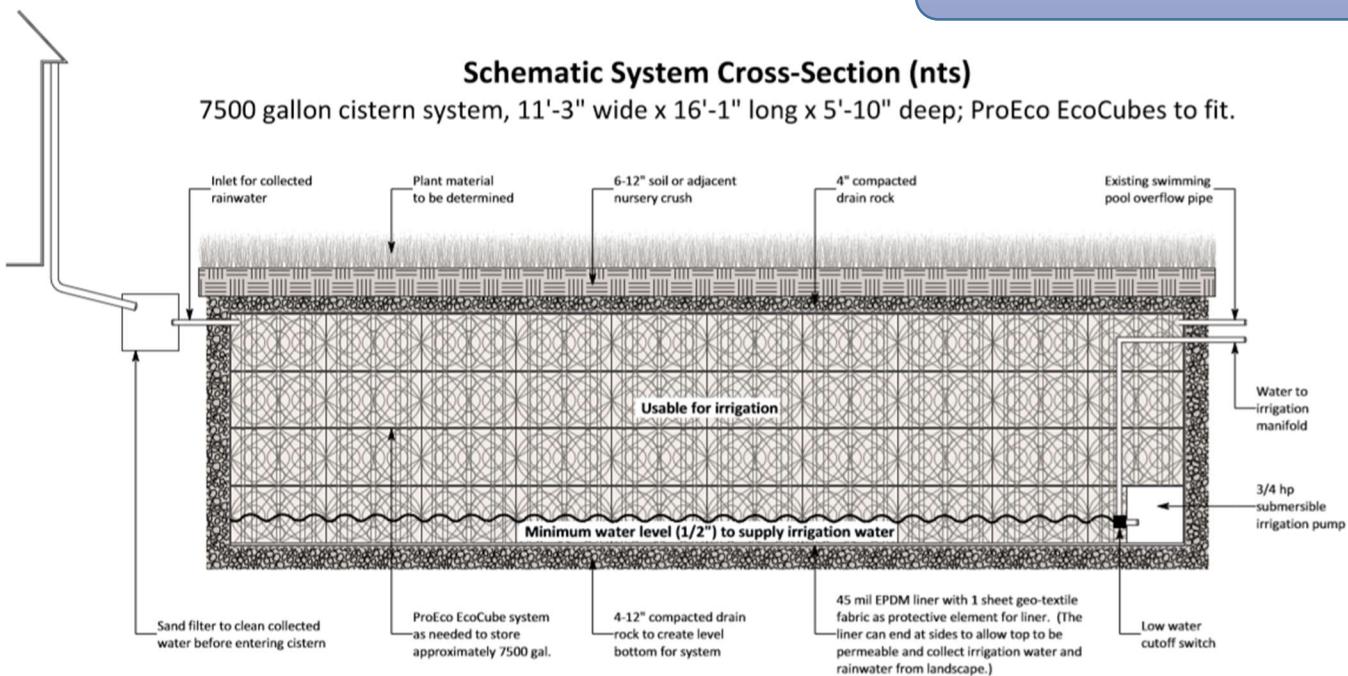
The system is expected to irrigate the landscape with rainwater 9 months out of the year. By combining **water conservation** strategies (reducing homeowners' overall landscape water use via pool-to-bocce-court and lawn-to-water-wise plants with smart irrigation) with **water harvesting**, the homeowners should save up to 75% of their landscape water use.

### WHY A MODULAR UNDERGROUND RAIN TANK?

- Light and easy to assemble rain tank blocks have a high 97% void space for maximum water storage
- Underground tanks can store thousands of gallons water, compared with the 50-70 gallons that a typical rain barrel can hold.
- Versatile applications – modular components allow for tank construction of any volume
- Use valuable space -- direct water from roofs, gardens, lawns, paved areas and driveways to underground storage and preserve the beauty of your home
- Strong structural design – H-25 load rated (designed for car loading)
- Low maintenance
- Automatic low-water level pump shut-off
- Cost effective compared to concrete tanks and other systems
- Earn LEED credits

### Schematic System Cross-Section (nts)

7500 gallon cistern system, 11'-3" wide x 16'-1" long x 5'-10" deep; ProEco EcoCubes to fit.



### APPLICATIONS

- ➡ Gardens & parks
- ➡ Sports fields
- ➡ Rooftops
- ➡ Car parking lots
- ➡ Community land

*Using an underground rain tank system covered by a water-wise landscape is a great way to both reduce your water needs and beautify your home.*

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