

**WHAT IS WATER HARVESTING?**



**CAPTURING RAINWATER AND GREYWATER FOR BENEFICIAL USE**

**THAT IS:**

- Rain gardens
- Cisterns, tanks, rainbarrels
- Greywater harvesting
- Downspout disconnection

- Sustainable stormwater management
- Green infrastructure
- Low impact development

**PASSIVE AND ACTIVE SYSTEMS**

- Passive systems:
  - Earthworks – basins, berms, terraces and mulching
- Active systems:
  - Rooftop harvesting – cisterns, rain barrels
  - Greywater harvesting – laundry, bath/shower, bathroom sink



**CALCULATING THE AMOUNT OF WATER FROM YOUR ROOF**

- Catchment area (ft<sup>2</sup>) x rainfall (in) x 0.623 gal/(in\*ft<sup>2</sup>) x .9 runoff coefficient (this can vary) = net runoff
- Example: 30' x 60' (1800 ft<sup>2</sup>) x 8 in x 0.623 gal/(in\*ft<sup>2</sup>) x .9 runoff coefficient= 8,074 gallons per year
- To use the formula, simply put in the square feet of your roof area into the formula to calculate the amount of potential water you can capture in one year in our area. Also, it doesn't matter if your roof is pitched or flat; the same amount of water falls down in the area of the roof's square footage.

Community assistance is available from the Valencia Soil and Water Conservation District for water harvesting projects for landscaping and garden use. Contact the Valencia Soil and Water Conservation District for further information and an application at (505) 864-6460. The 2016 cap is \$1,200.00 with 75% of the cost payable by the VSWCD and 25% by the land owner.