

# Rain Water Harvesting and Gray Water Reuse Resources



*These are the resources that Tucson Water knows of at this time and inclusion on this list does not comprise an endorsement by the Department of these companies or their products.*

## Workshops:

### **Pima County Cooperative Extension Office**

4210 N. Campbell Avenue

(520) 626-5161

[http://cals.arizona.edu/pima/smartscape/workshop\\_water.html](http://cals.arizona.edu/pima/smartscape/workshop_water.html)

◆ *Harvesting Rainwater for Landscape Use*

◆ *Gray Water Rebate Seminar*

*Check the University of Arizona Pima County Cooperative Extension website for upcoming WaterSmart classes.*

### **Sonoran Permaculture Guild**

(520) 624-8030 (Dan Dorsey)

(520) 572-7221 (Barbara Rose)

[www.sonoranpermaculture.org/courses-and-workshops/](http://www.sonoranpermaculture.org/courses-and-workshops/)

### **Watershed Management Group, Inc.**

(520) 396-3266

[www.watershedmg.org](http://www.watershedmg.org)

*Tucson based non-profit that helps install rainwater harvesting systems for educational-based projects. Free hands-on water harvesting workshops, consulting, gray water Co-op (attend workshops to learn and assist in constructing home systems including your own home after attending four workshops).*

## Websites, Books and Resources:

### **Rainwater Harvesting**

#### **American Rainwater Catchment Systems Association (ARCSA)**

[www.arcsa.org](http://www.arcsa.org)

#### **Arizona Department of Revenue**

(See page 5 for more information)

#### ***Harvesting Rainwater for Landscape Use***

U of A Pima County Cooperative Extension

[www.tucsonaz.gov/water/harvesting](http://www.tucsonaz.gov/water/harvesting)

*Guidance Manual available on-line to download*

#### ***Rainwater Harvesting for Drylands and Beyond – Volumes 1 & 2***

Author Brad Lancaster's book is available online

[www.harvestingrainwater.com](http://www.harvestingrainwater.com)

#### ***Rainwater Harvesting for the Mechanically Challenged***

Suzy Banks & Richard Heinichen

#### ***Water Harvesting Guidance Manual***

##### **City of Tucson**

(520) 791-4331

[www.tucsonaz.gov/water/harvesting](http://www.tucsonaz.gov/water/harvesting)

*Guidance Manual available on-line to download*

## Websites, Books and Resources: *(continued)*

### Gray Water

#### Arizona Department of Environmental Quality

(602) 771-4464

*No permit is needed for residential properties, but commercial properties require a Type 3 Reclaimed Water Permit and subsurface irrigation for <400 gallons/day of gray water.*

#### City of Tucson Planning & Development Services Department

(520) 791-5550

[www.tucsonaz.gov/planning](http://www.tucsonaz.gov/planning)

- A permit is not required to tap into a pre-existing gravity stub-out from the washing machine.
  - A permit is required to modify drainage plumbing/piping from any fixture.
  - Homeowners may perform plumbing work on their own residence. Otherwise, licensed contractors must be used.
- Call to find out if a permit is needed. See page 5 for gray water rebate information.*

#### Create an Oasis with Greywater, Art Ludwig

Santa Barbara, CA

(805) 967-9956

[www.oasisdesign.net/greywater](http://www.oasisdesign.net/greywater)

#### The Water Conservation Alliance of Southern Arizona (Water CASA)

(520) 626-2678

[www.watercasa.org](http://www.watercasa.org)

## Demonstration Sites:

#### Lee H. Brown Family Conservation Learning Center at the Reid Park Zoo

1100 S. Randolph Way

(520) 791-4022

*Rainwater harvesting tanks and gray water reuse. This is the first LEED platinum certified building in Southern Arizona.*

#### The Nature Conservancy

1510 E. Fort Lowell Road

(520) 622-3861

[www.nature.org/arizona](http://www.nature.org/arizona)

*This rainwater harvesting demonstration site showcases a variety of techniques that home and business owners can utilize in a desert environment. Call for a tour schedule.*

#### Pima County Cooperative Extension Office

4210 N. Campbell Avenue

(520) 626-5161

*Demonstration gardens – active and passive systems.*

#### Rincon Heights Neighborhood

Cherry Avenue, just south of 6th Street

*Good example of streetscape and right of way water harvesting.*

#### Tucson Audubon Society

Historic Y Building at University and 5th Avenue

(520) 622-2230

*Water harvesting depressions and plantings*

#### UA Visitor Center

811 N. Euclid Avenue

(520) 621-5130

*Active and passive rainwater harvesting examples*

## **Water Harvesting (continued):**

### **Ward 1**

940 W. Alameda Street  
(520) 791-4040  
*Active and passive rainwater harvesting examples*

### **Ward 2**

7575 E. Speedway Boulevard  
(520) 791-4687  
*Active and passive rainwater harvesting examples*

### **Ward 3**

1510 E. Grant Road  
(520) 791-4711  
*Active and passive rainwater harvesting examples*

### **Ward 6**

3202 E. 1st Street  
(520) 791-4601  
*Planted basins*

## **Water Harvesting Design and Consulting:**

### **Rocky Brittain**

(520) 621-6751  
*Commercial and residential*

### **Barbara Rose**

(520) 572-7221  
*Residential*

### **Oasis Water Harvesting- Rick Weisberg**

4921 E. Hillcrest Dr., Hereford, AZ 85615  
(520) 234-7681  
www.oasisrainwaterharvesting.com  
*Sells rain chains, Chem-Tainer tanks and custom-made plastic tanks of various sizes and colors.*

### **Water Harvesting International**

(520) 631-4676  
www.waterharvestingint.com  
*Commercial and residential*

### **Zona Gardens – Scott Calhoun**

(520) 867-8038  
www.zonagardens.com  
*Landscape design. Rain gardens*

## **Cistern Sellers & Installers:**

### **Boyd Equipment**

3625 S. Country Club Rd.  
(520) 792-2244  
*Norwesco tanks and fittings for adapting tanks for rainwater and gray water storage and delivery*

### **Clean Water Products- Dr. Brent Cluff**

1881 W. Prince Rd.  
(520) 293-1561  
*Sells tanks ranging from 100 to 3,000 gallons*

### **Freeway Tanks & Pump, Inc.**

1415 S. Farmington Rd.  
(520) 623-2573  
*35 to 10,000 gallon plastic and metal tanks*

### **Glas-Tek- Chuck McCain**

5041 E. Corona Rd.  
(520) 889-0181  
*Fiberglass tanks*

### **Home Improvement & Maintenance, Inc. -**

#### **Justin Cupp**

(520) 981-4747  
*Rainwater collection and landscape consultation*

### **Loomis Tank Centers**

2610 E. Ganley Rd.  
(520) 889-1338  
*HDPE plastic tanks 300 to 10,000 gallons, rainhead screens for cisterns, cistern gauges, and gray water infiltration chambers for Subsurface irrigation*

### **Native Roots- Omar Ore-Giron**

(520) 425-9795  
*Earthworks and rainwater harvesting*

### **New Sonoran Rainscapes- Kent Sorensen**

(520) 624-9909  
www.newsonoran.com  
*Harvests rainwater in sustainable landscapes. Installs cisterns, landscape design, and earthworks*

### **Oasis Water Harvesting- Rick Weisberg**

4921 E. Hillcrest Dr., Hereford, AZ 85615  
(520) 234-7681  
www.oasisrainwaterharvesting.com  
*Sells rain chains, Chem-Tainer tanks and custom-made plastic tanks of various sizes and colors.*

## Cistern Sellers & Installers (continued):

### Silverbell Nursery

2730 N. Silverbell Road  
(520) 622-3894  
www.sbnursery.com  
*Sells and installs cisterns*

### Southern Arizona Rain Gutters

8987 E. Tanque Verde Rd., #309-297  
(520) 299-RAIN (7246)  
www.southernarizonaraingutters.com  
*Installs cisterns. Sells Bushman plastic tank systems*

### Water Harvesting International

(520) 631-4676  
www.waterharvestingint.com  
*Designs and installs below grade concrete cisterns from 5,000 to 100,000 gallons for irrigation and drinking water systems. Complete turn key installations, cisterns, piping, pumps and purification systems.*

**There are various online tank dealers that will deliver. Make sure to consider the sun exposure if considering a plastic tank. Here are a few dealers, search the web to find more.**

www.watertanks.com  
www.plasticmart.com  
www.tank-depot.com

## Mechanized Water-Harvesting Earthwork Creation/Excavation:

### Goodwillie Earthwerks

(520) 490-6956

### Little John Excavating- John Litzel

(520) 730-9350

### *WATER HARVESTING EARTHWORK/WATER-HARVESTING LANDSCAPE CREATION:*

### New Sonoran Rainscapes- Kent Sorensen

(520) 624-9909  
mrmesquite868@aol.com  
www.newsonoran.com

### Wildworks Landscapes Incorporated

**Russ Buhrow and Dottie Mothreal**  
(520) 743-1309

### Wildscapes- Scott Knight

(520) 325-2444  
wildscapes89@msn.com

## Gray Water Installers:

### Guy Cloutier

(520) 991-4930

### Water Harvesting International

(520) 631-4676  
www.waterharvestingint.com

### Desert Sky Home Repair, LLC

PO Box 1765  
Tucson, AZ 85702  
(520) 622-0607  
www.dshomerepair.com

### Watershed Management Group, Inc.

(520) 396-3266  
www.watershedmg.org  
*Tucson based non-profit that helps install rainwater harvesting systems for educational-based projects. Free hands-on water harvesting workshops, gray water Co-op (attend workshops to learn and assist in constructing home systems including your own home after attending four workshops).*

### Gale Insulation and Gutters

3875 E. Michigan St.  
(520) 325-0751  
*Installs seamless gutters on new and existing construction*

### Realm

219 S. Olsen Ave  
(520) 791-9131  
www.realmenvironments.com  
*An urban organics company specializing in water harvesting, xeriscapes, gray water systems*

## Gray Water Supplies:

### Harrington Industrial Plastics

4141 E. Tennessee Ave.  
(520) 745-8433  
*Hose, pipe, fittings for adapting tanks and culverts for rainwater storage and delivery*

### Irrigation & Sprinkler Supply Company

2130 E. 12 St.  
(520) 792-4652  
*Gray pipe for conveyance of gray water, also all types of irrigation supplies*

### Mirage Pacific, Inc.

(520) 743-4644  
[www.miragepacific.com](http://www.miragepacific.com)  
*In-drain diverter that extracts used water while you shower*

### Plumbing Suppliers, Inc.

2555 E. Grant Rd.  
(520) 326-6433  
*Flow splitter parts*

### Water Harvesting International

(520) 631-4676  
*3 way Jandy valves. 1.5", 2", 2.5" and 3" sizes*

## Integrated Rain Water Harvesting & Gray Water Design:

### Brad Lancaster

[www.harvestingrainwater.com](http://www.harvestingrainwater.com)

### Barbara Rose

(520) 572-7221  
Residential & community design

### Oasis Design – Art Ludwig

5 San Marcos Trout Club  
Santa Barbara, CA 93105  
(805) 967-9956  
*Large scale gray water design*

## Site/Soil Assessment for Kitchen Resource Drain (KRD) and Other Alternative Homescale Wastewater Reuse Systems:

### Nichols On-Site Engineering

5010 W. Sweetwater Drive  
(520) 743-1565

## Incentives for Gray Water and Rainwater Harvesting Systems:

### City of Tucson – Tucson Water

(520) 791-4331  
[www.tucsonaz.gov/water/rebate](http://www.tucsonaz.gov/water/rebate)  
*Tucson Water Single Family Residential Gray Water Rebate Program*  
*One-third of qualifying gray water irrigation system costs up to \$200 per household*

### AZ Dept. of Revenue Tax Incentive

[www.azdor.gov/TaxCredits/WaterConservationSystems.aspx](http://www.azdor.gov/TaxCredits/WaterConservationSystems.aspx)  
◆ 25 % of costs up to \$1,000 for residential  
◆ \$200/homebuilder stub-outs for gray water  
For work completed by Dec. 31, 2011