

# Re-Imagine “Water”

## Rackensack Water Supply



Rain → Roof → Tanks → Filter → Faucet



## Assured 100 Year Water Supply

Over the last 18 years, we have developed an Integrated and Sustainable Water System that incorporates Harvesting of Rainwater with Greywater recycling.

**CURRENT SYSTEM** includes (3) buildings with 3,300 sq. feet of roof collection and (6) tanks which total 15,000 Gallon Storage Capacity. This configuration collects up to 28,800 gallons per year with avg. usage of 7,200 gallons per person each year.

### Greywater Grown Ash Trees



Recycled Greywater is captured via secondary plumbing and then utilized for landscaping to significantly reduce overall water needs.

**100 YEAR SUPPLY:** Simply replicate current system X 14 potential parcels on the property. For families with greater water needs, increase collection area and storage volume as needed.

#### ALSO AVAILABLE:

- (5) potential Well Sites have been identified on property with projected depth of 400' to 600'.
- Backup water supply is available from Carefree Water Company using 1000 Gallon Water Hauler that conveys with the property.
- 200,000+ Gallon Storm Water retention pond has potential for fire suppression and additional landscaping water.



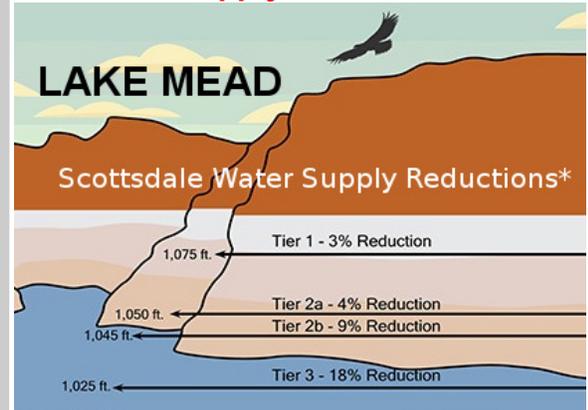
The Rackensack area has a ten-year average rainfall of 16 Inches per year during current drought as documented by the Maricopa County weather station on the property.

## Scottsdale Water Supply



Upper Colorado River Basin's **Dwindling Snowpack** melts and flows into Lake Powell that feeds Lake Mead which is receding.

### 100 Year Supply “Not So Assured“



A growing population of **22+ million people from Arizona, Nevada, California and Mexico compete for Lake Mead's Water.** As users increase and lake level decreases, a Tier 3 condition will reduce Arizona's allotment by 18%.

**The CAP Canal supplies 70% of Scottsdale's water.** It begins at Lake Havasu and pumps water 190 miles uphill across the Desert to reach the Valley and then 145 miles on to Tucson. This process loses approx. 5% to evaporation and makes CAP the **top consumer of Electricity in Arizona.**



The Scottsdale Water Campus provides filtration before final distribution. They estimate that a 4-person family uses (1) acre foot of water per year which equates to an Astonishing **81,462 gallons per person per year.** A few of the Contributing factors may include: Golf courses, Water parks and Housing developments with man-made lakes.