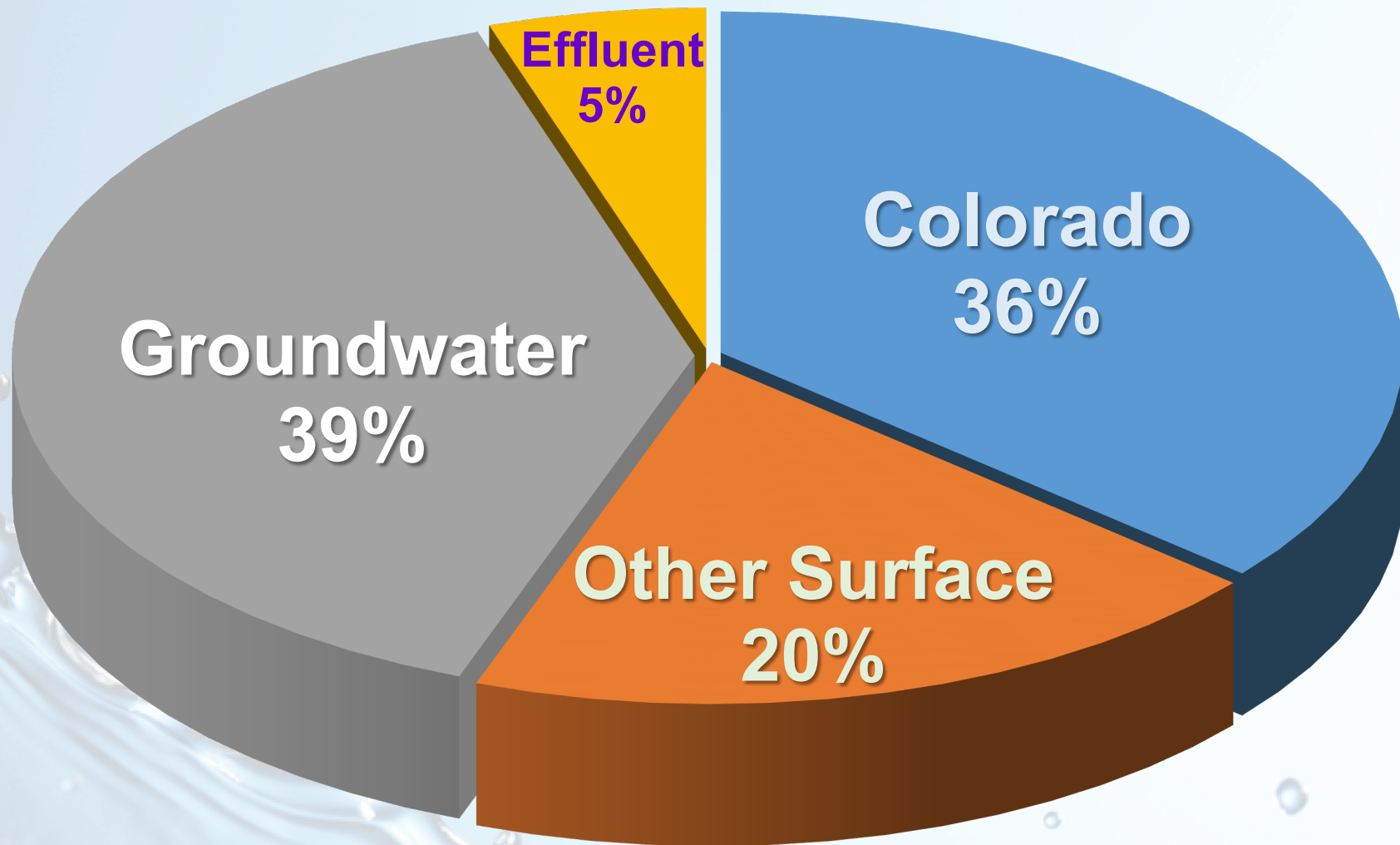


Water Policy Briefing

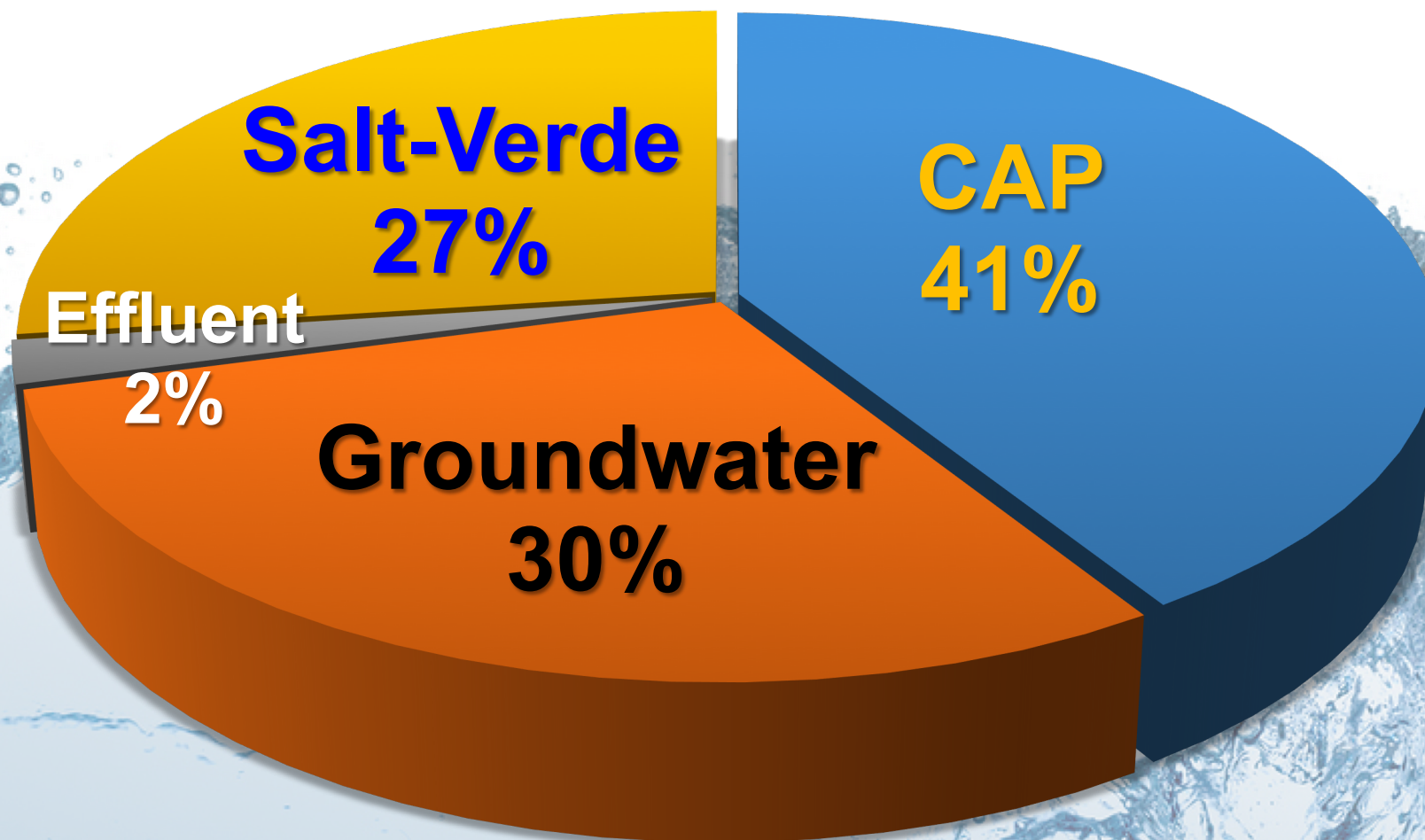
New Legislator Academy
January 5, 2017

Arizona's Water Sources



■ Colorado ■ Other Surface ■ Groundwater ■ Effluent

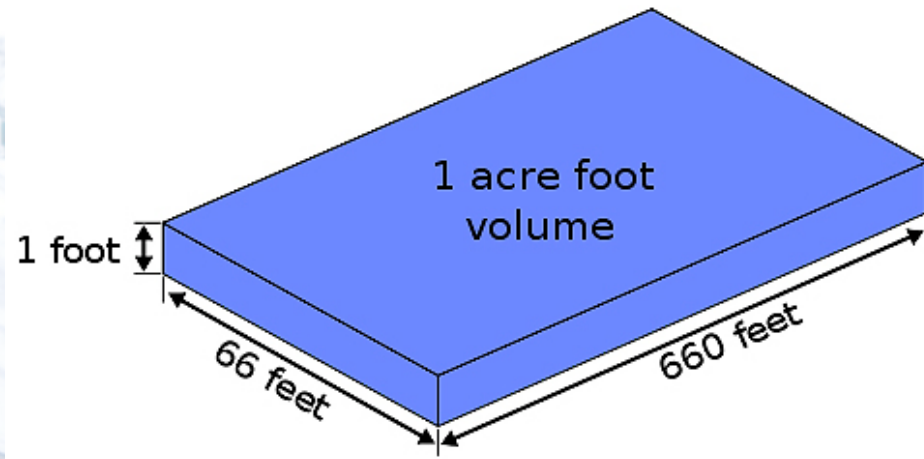
Greater Phoenix's Water Sources



■ CAP ■ Groundwater ■ Effluent ■ Salt-Verde

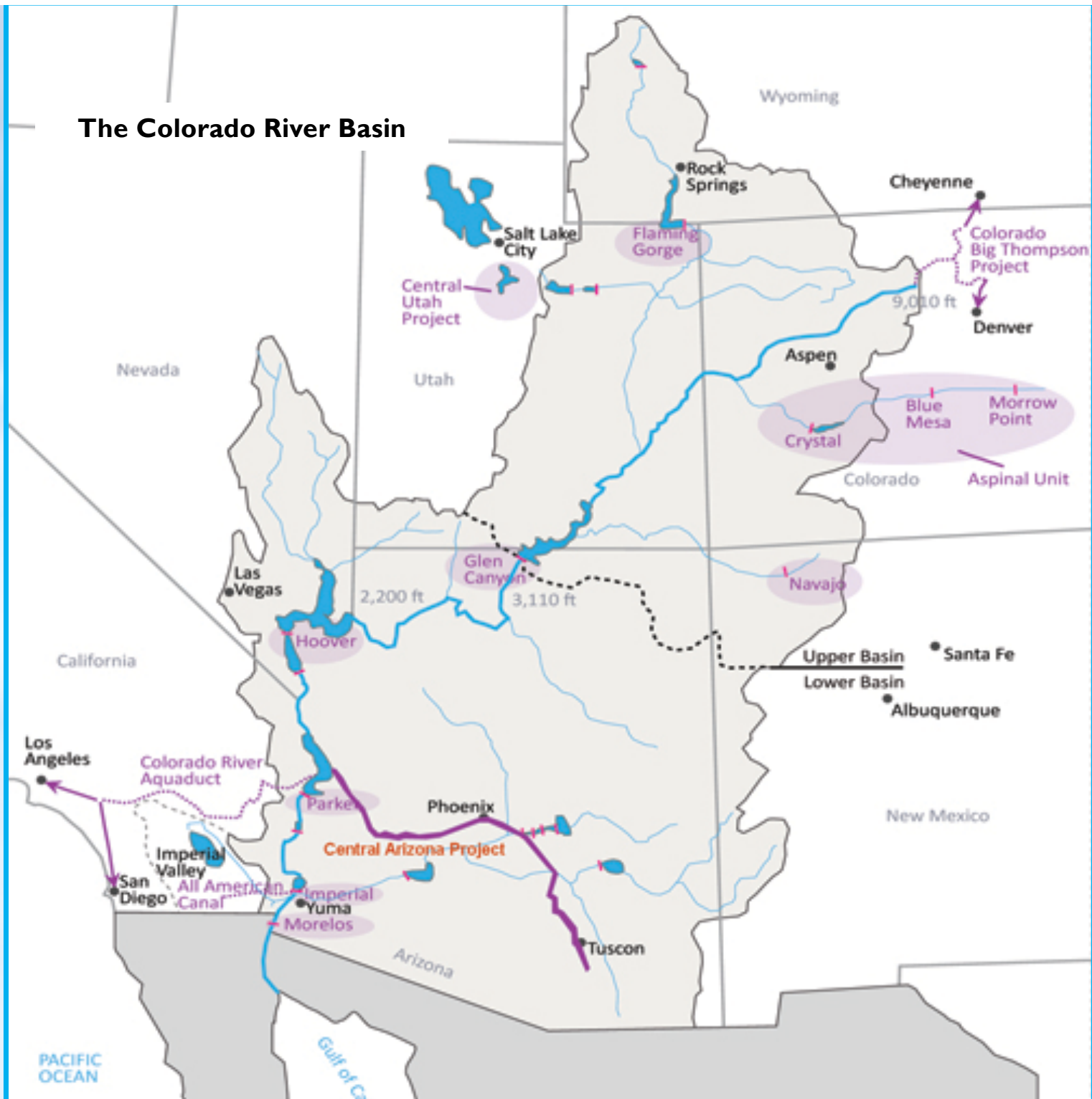
How much is an acre-foot?

325,851 gallons



2 – 4 households/year

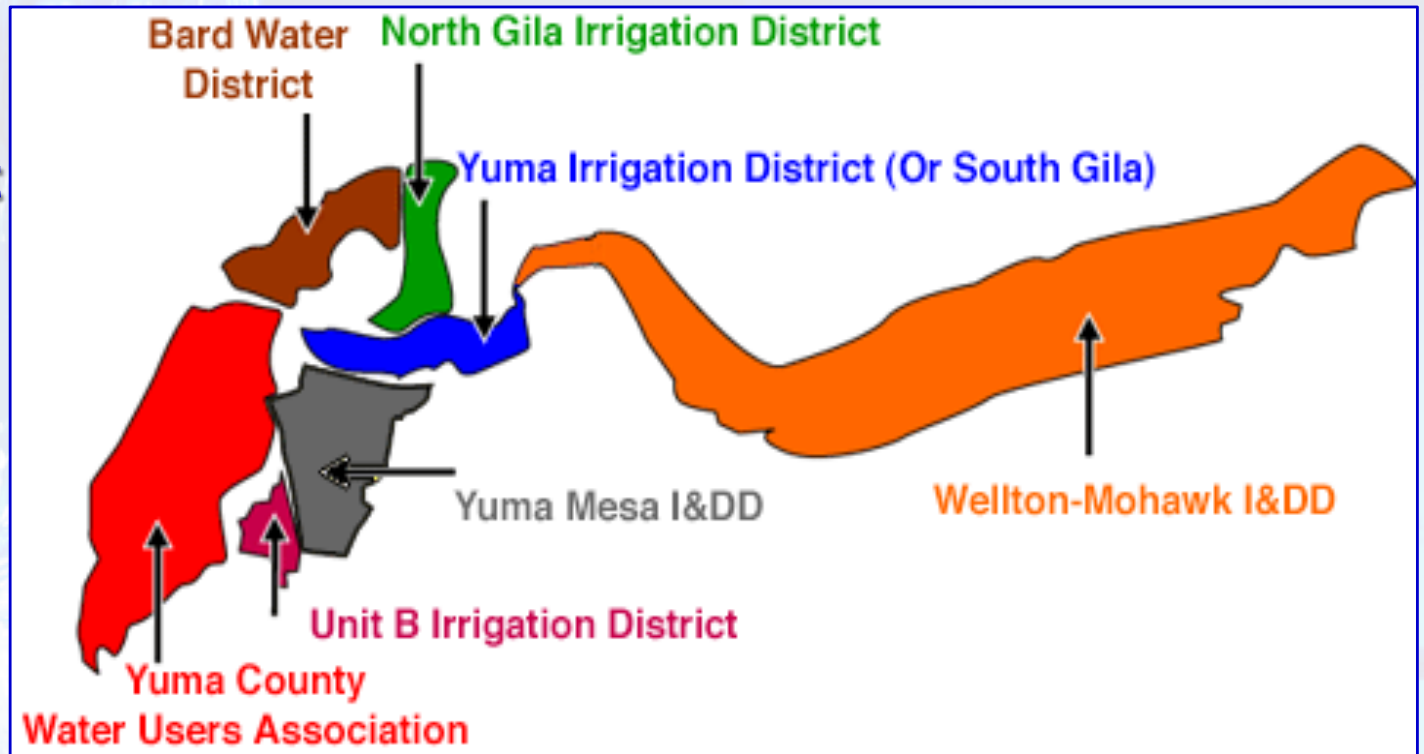
The Colorado River Basin



YUMA

water management
system includes
dams, canals &
reservoir

150,000 acres of
irrigated cropland



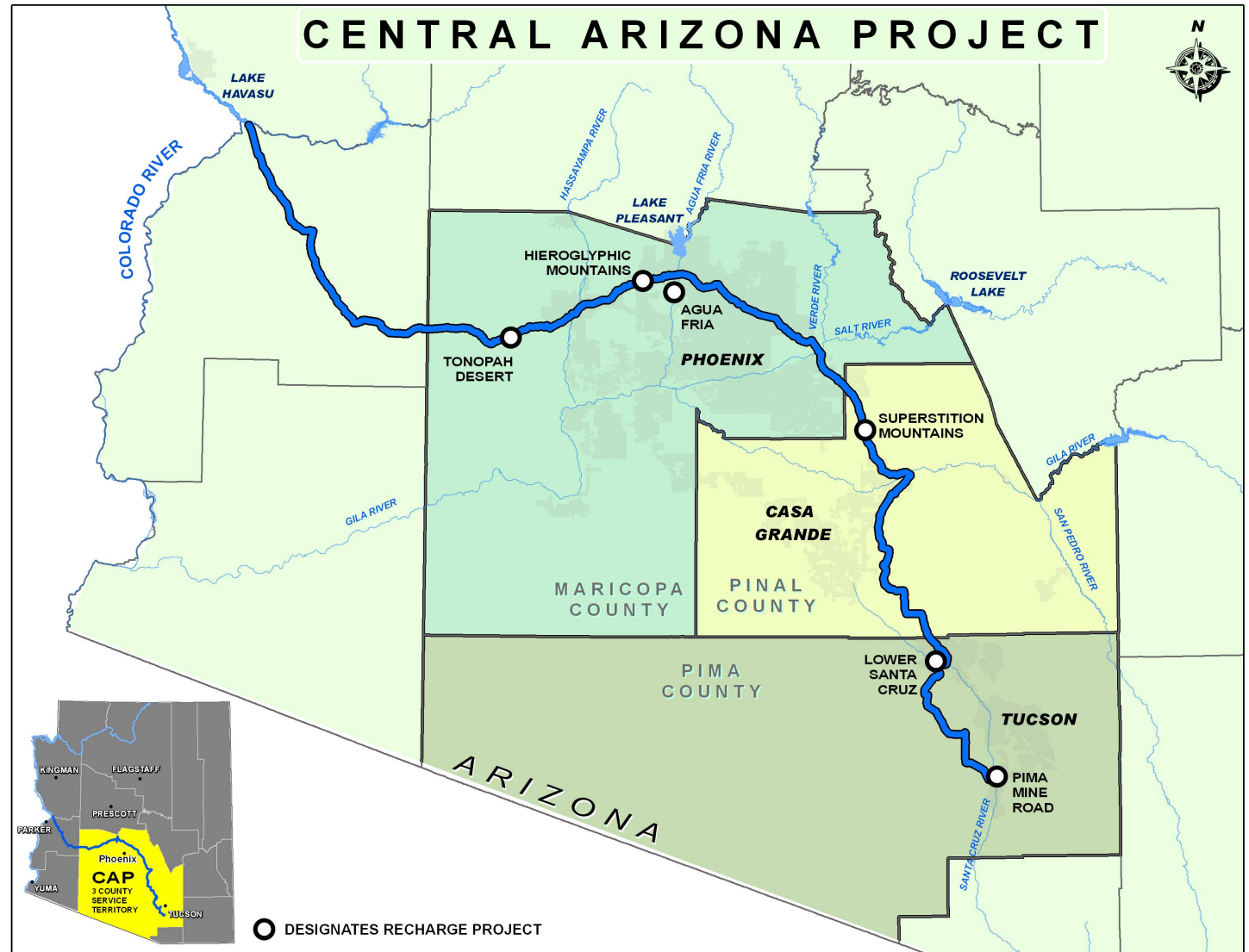
The CAP

1.5 MAF / year to
Maricopa, Pinal
& Pima Counties

~ 90% Arizona
population

336 miles

2,400' elevation
change



Groundwater Management Act 1980

5 AMAs

83% of Arizonans

3.8 MAF Banked

95% re-use (CAP)

Mandatory conservation

Active Management Areas



Sources: HDR, Technical Memorandum (Dec. 3, 2013); ADWR



Central Arizona Project

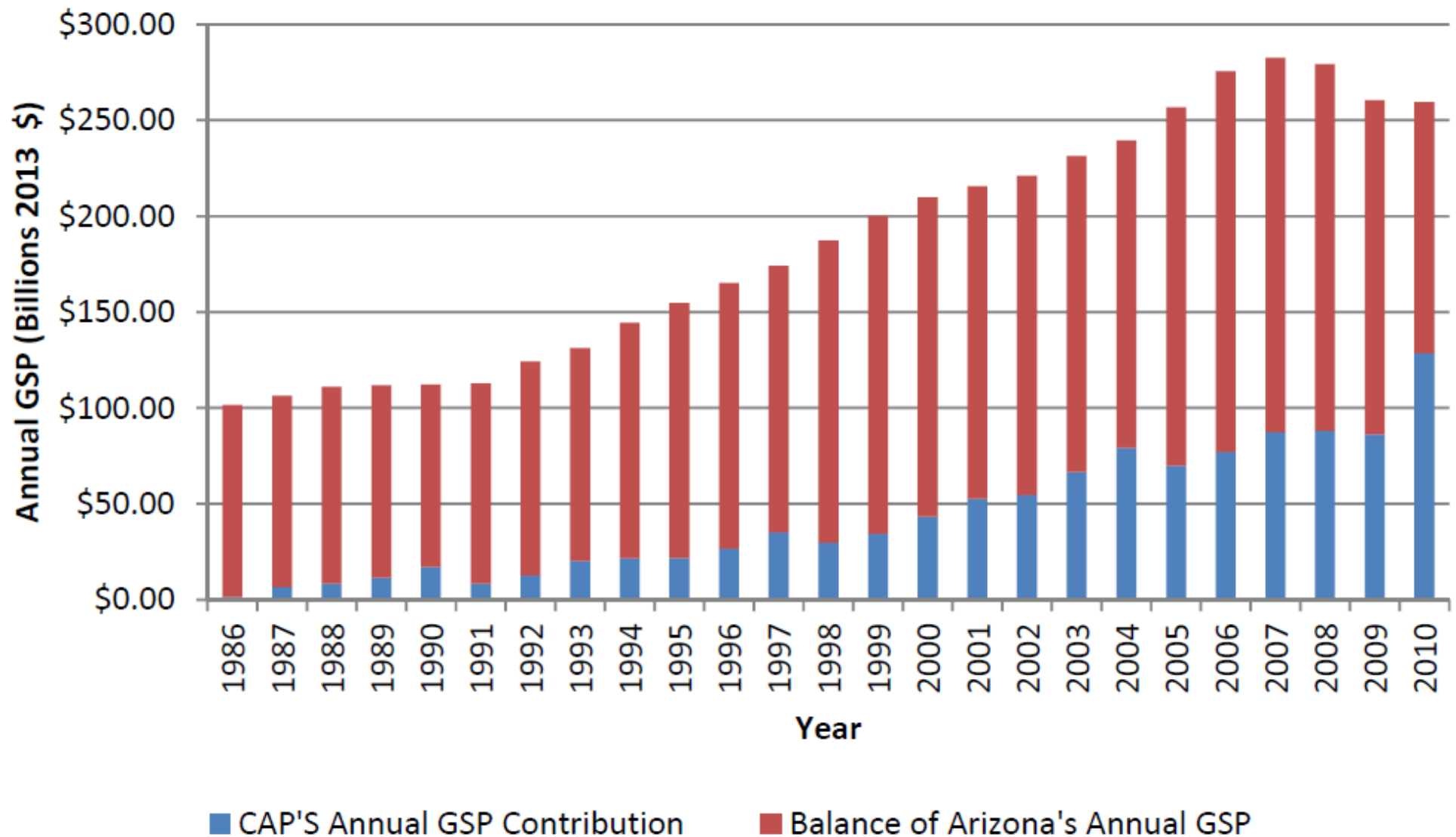
+

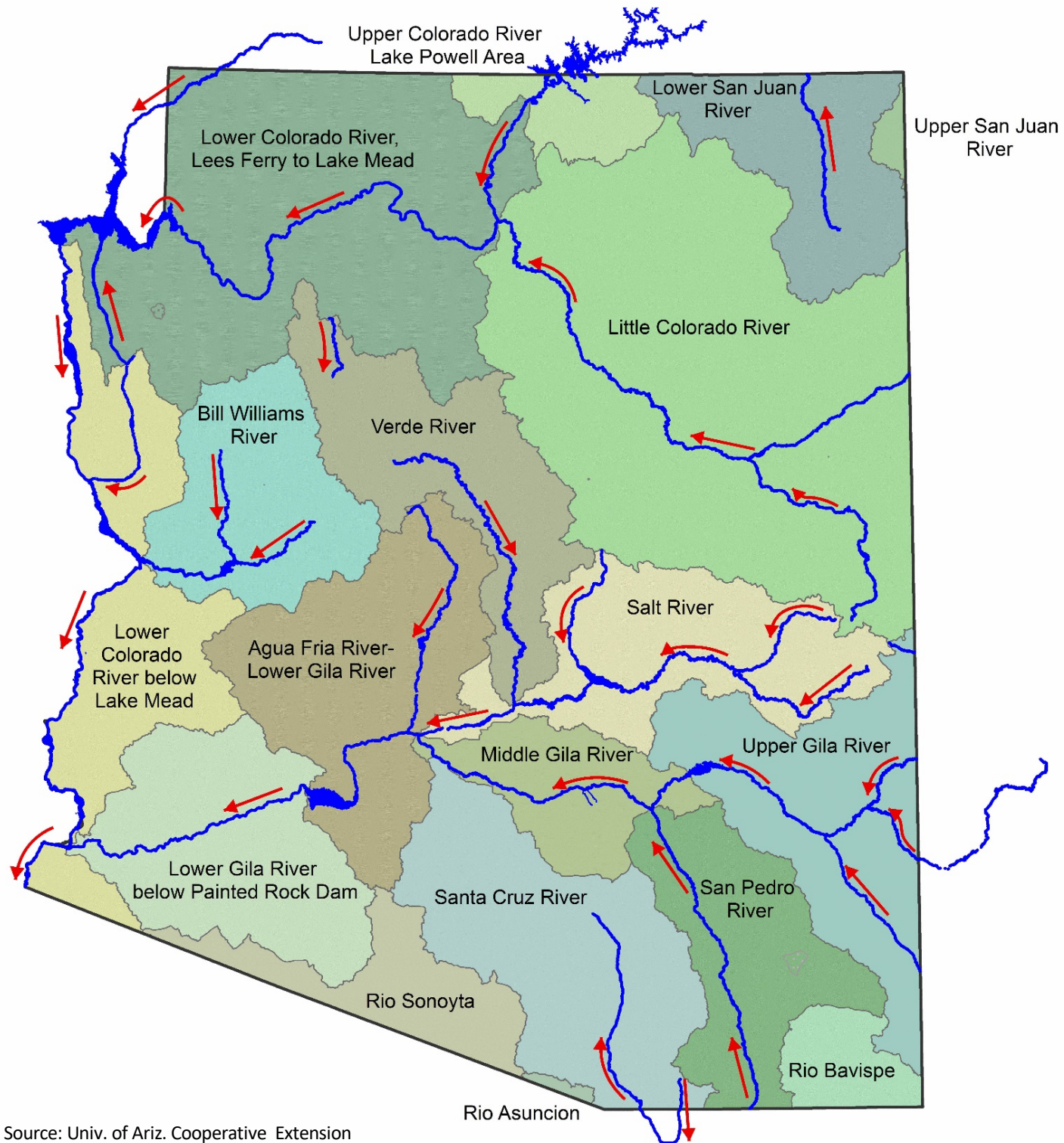
Groundwater Mgt Act

=

Water Certainty

CAP & Arizona's Gross State Product

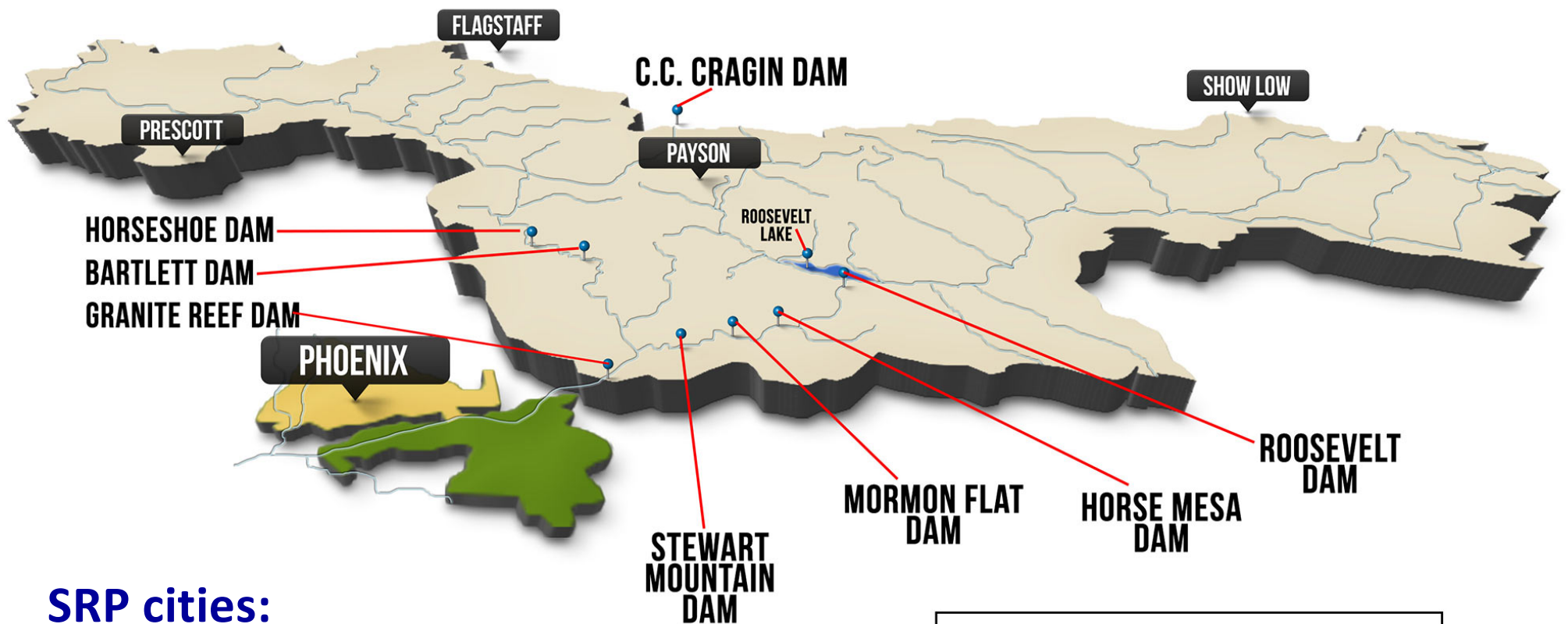




Source: Univ. of Ariz. Cooperative Extension

Salt-Verde Watershed (a.k.a. SRP)

- 8 reservoirs
- 800,000 acre-feet delivered / year

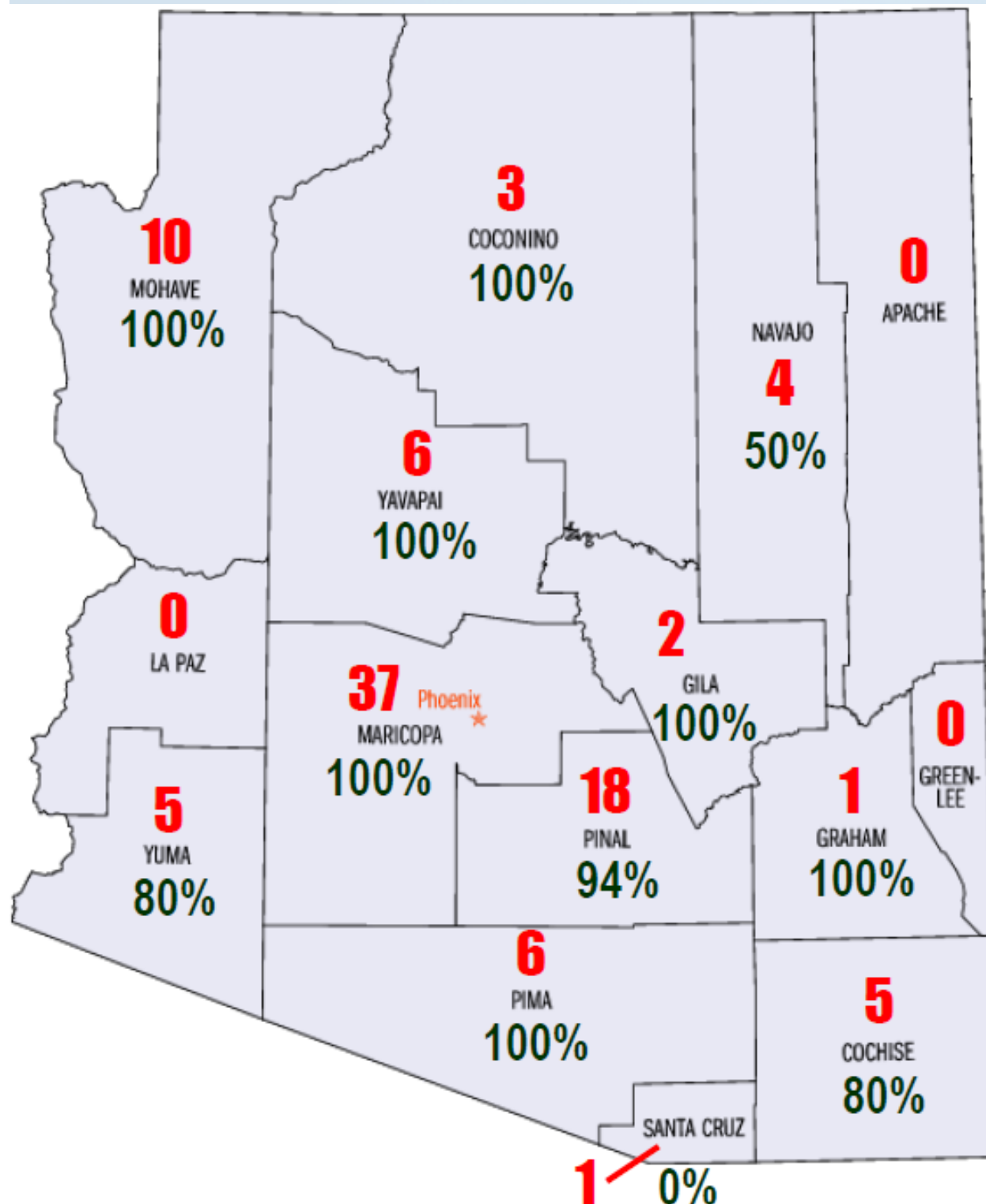


SRP cities:

Phoenix, Scottsdale, Chandler,
Mesa, Gilbert, Tempe, Peoria,
Glendale, Avondale, Tolleson

SRP WATERSHED
SRP AMWUA SERVICE AREA
SRP NON-AMWUA SERVICE AREA

Source: Salt River Project



Re-Use

% re-use by AZ's
98 largest WWTPs
(capacity ≥ 1 mgd)

- 93% doing re-use / recharge
- AZ is 2nd in US per capita re-use

Source: Arizona Department
of Environmental Quality

Water Banking

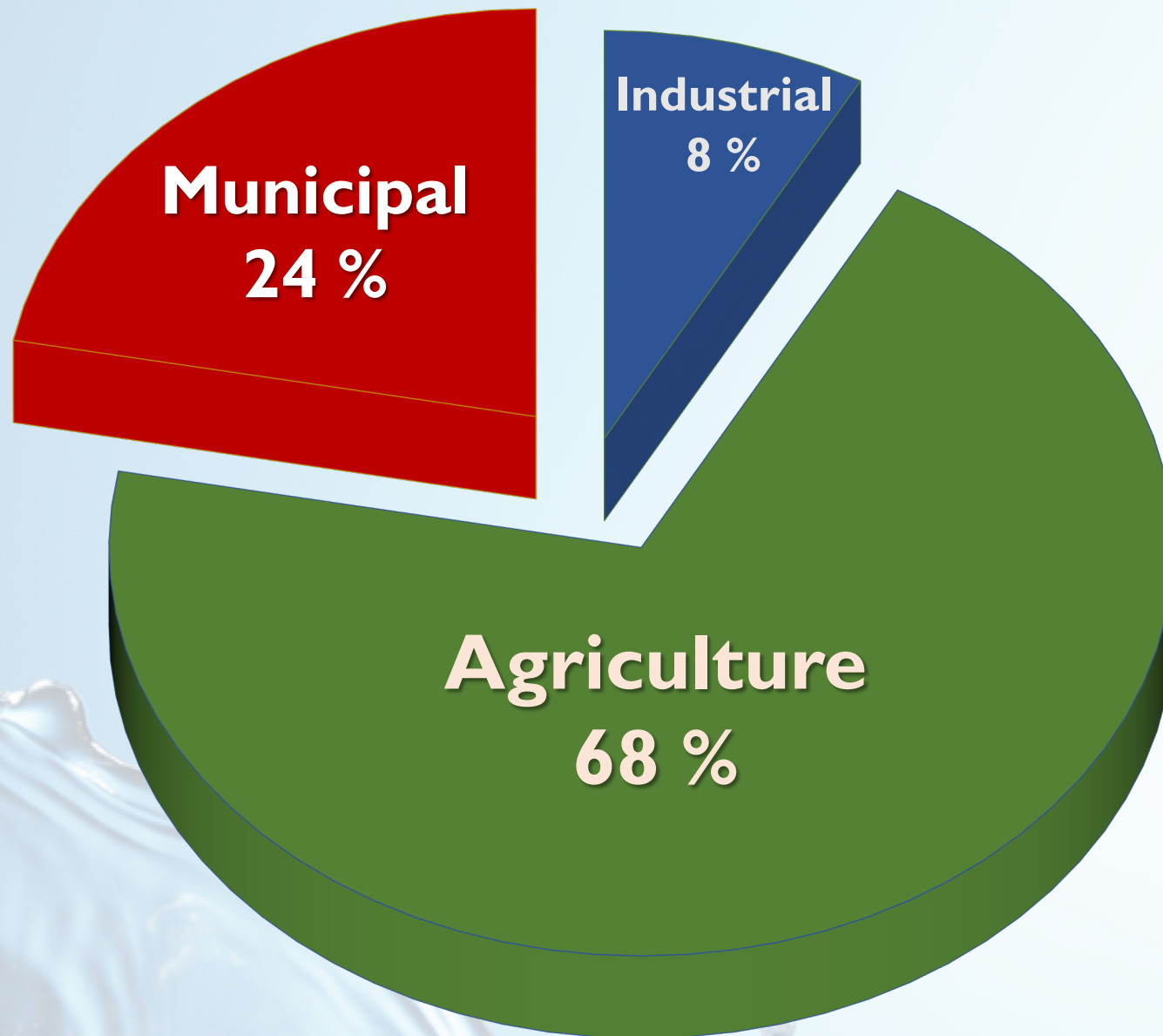
**9 MAF banked
statewide**

**3.8 MAF by
CAP**

1 MAF by SRP




Arizona Water Demand by Sector



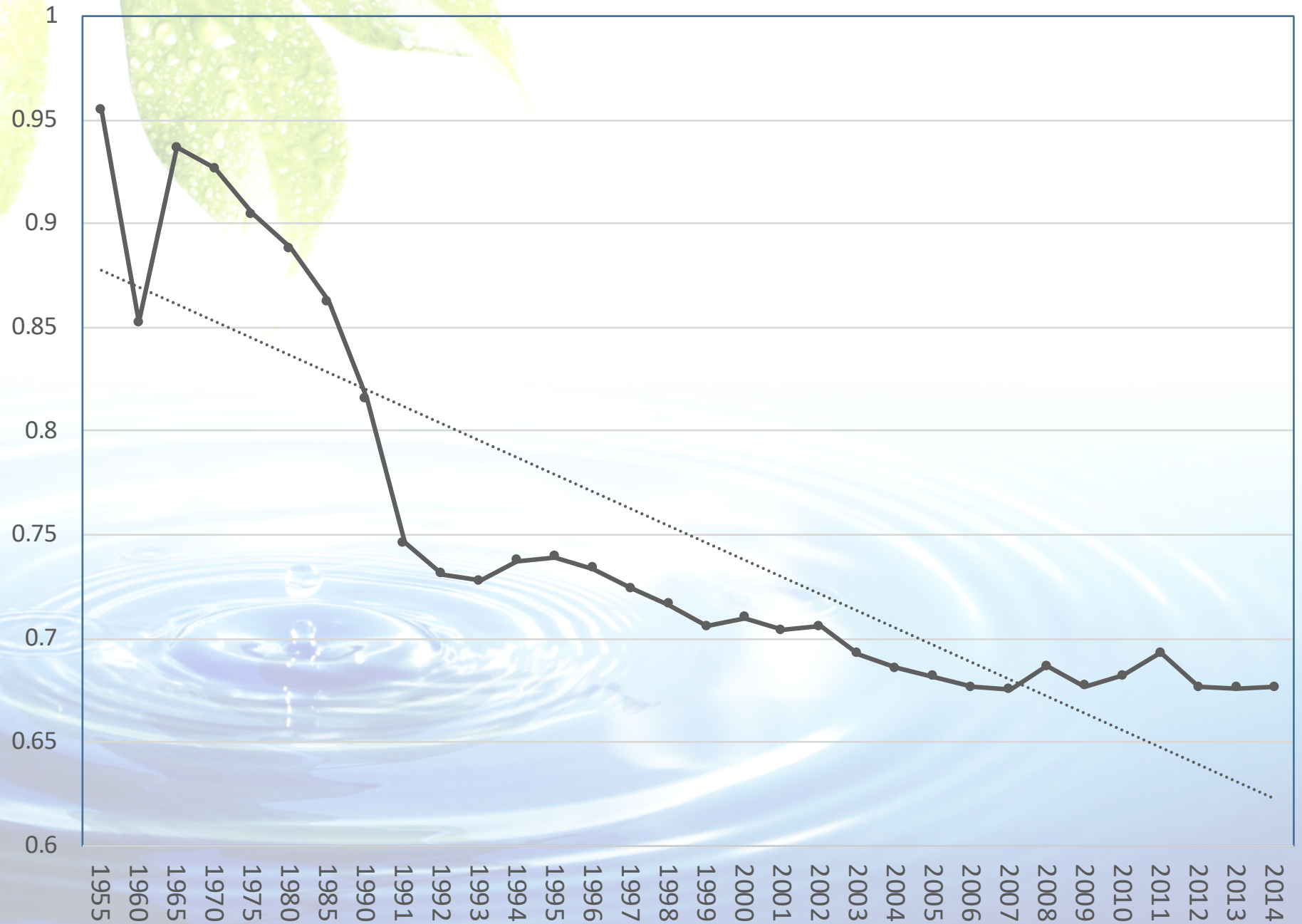
Annual Demand \approx 6.28 MAF

Source: Arizona Dept. of Water Resources

A background image showing a dynamic splash of water with many droplets and ripples, creating a sense of movement and freshness.

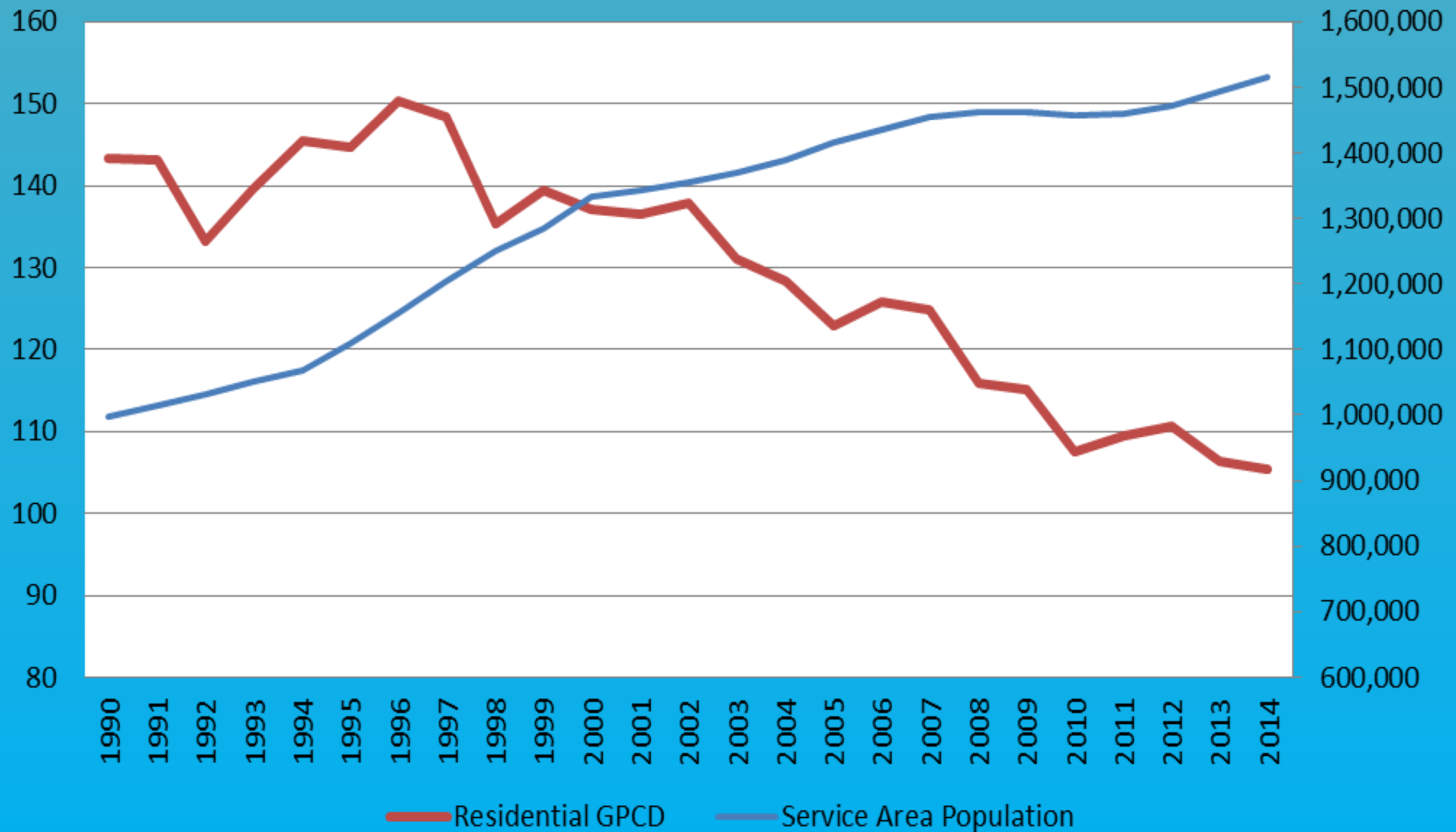
**Demand is
declining.**

Agricultural Demand as %-age AZ Statewide

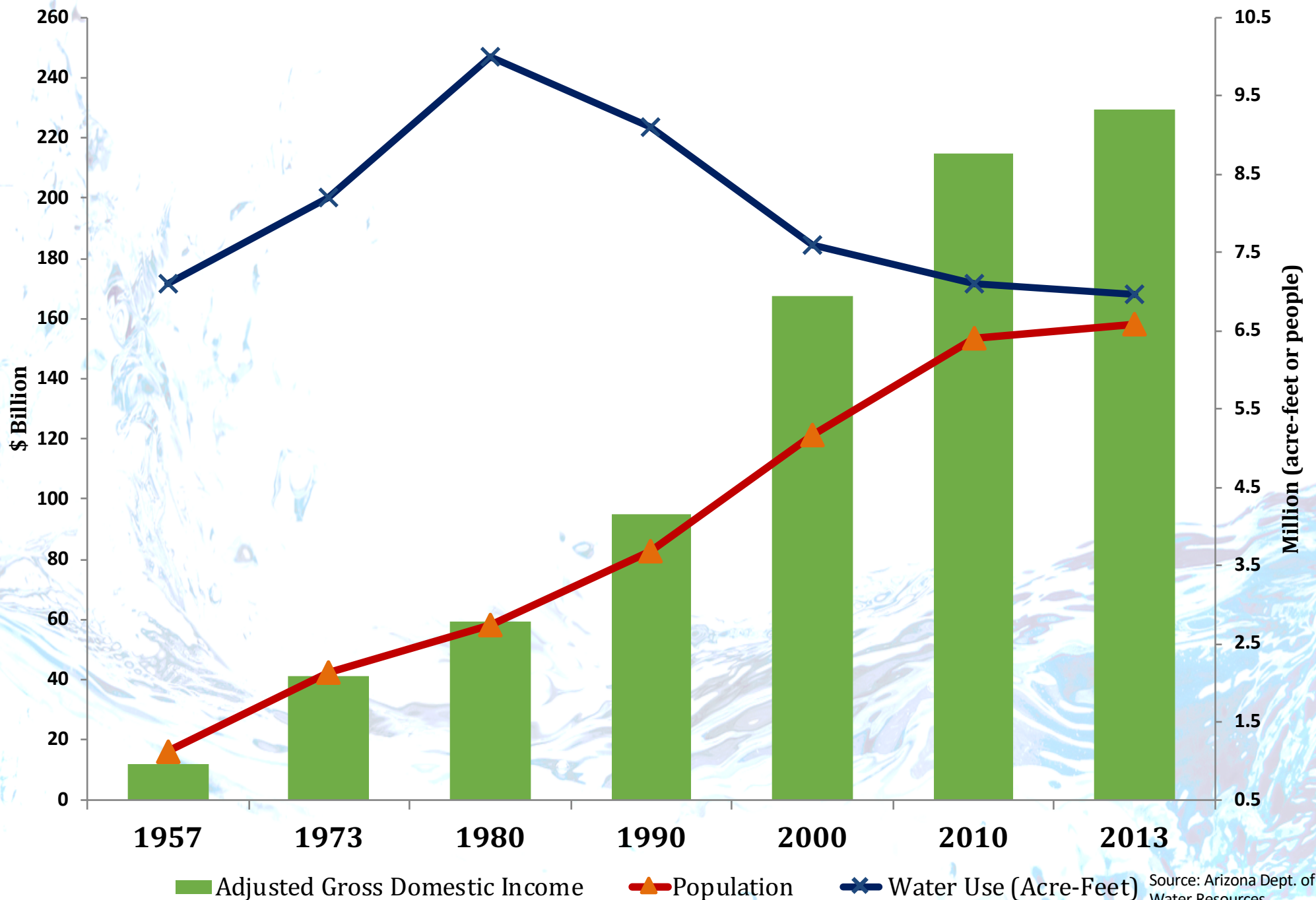


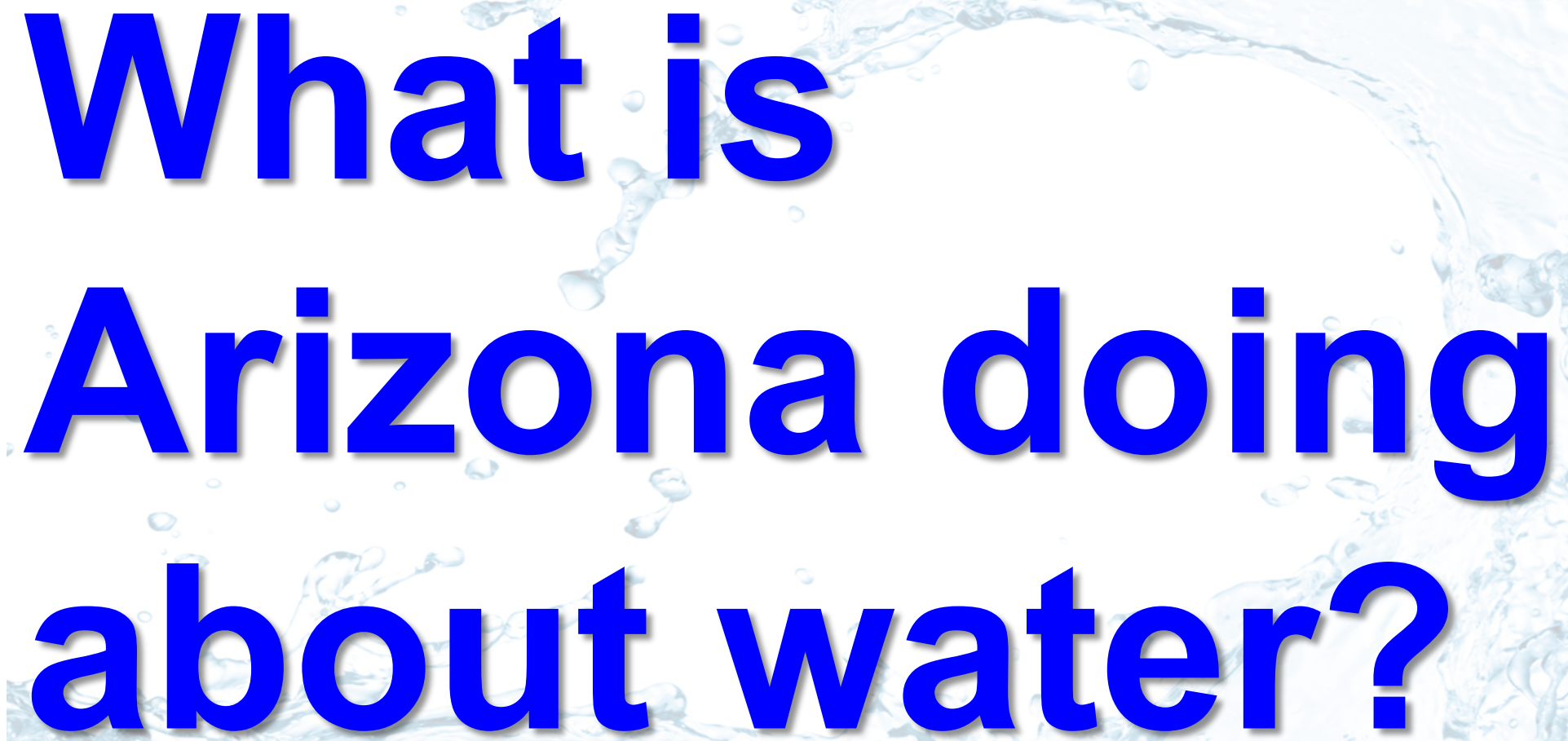
Source: ADWR

Phoenix Population and Water Usage



AZ Water Demand & Growth (1957 – 2013)



A dynamic background image showing a large splash of water, with droplets and ripples creating a sense of movement and freshness. The water is a light blue color, contrasting with the white background.

**What is
Arizona doing
about water?**

Arizona Water Initiative



GOVERNOR'S WATER AUGMENTATION COUNCIL



A dynamic background image showing a splash of water with droplets and ripples, rendered in shades of blue and white. The text is overlaid on this background.

**What are the
biggest
challenges?**