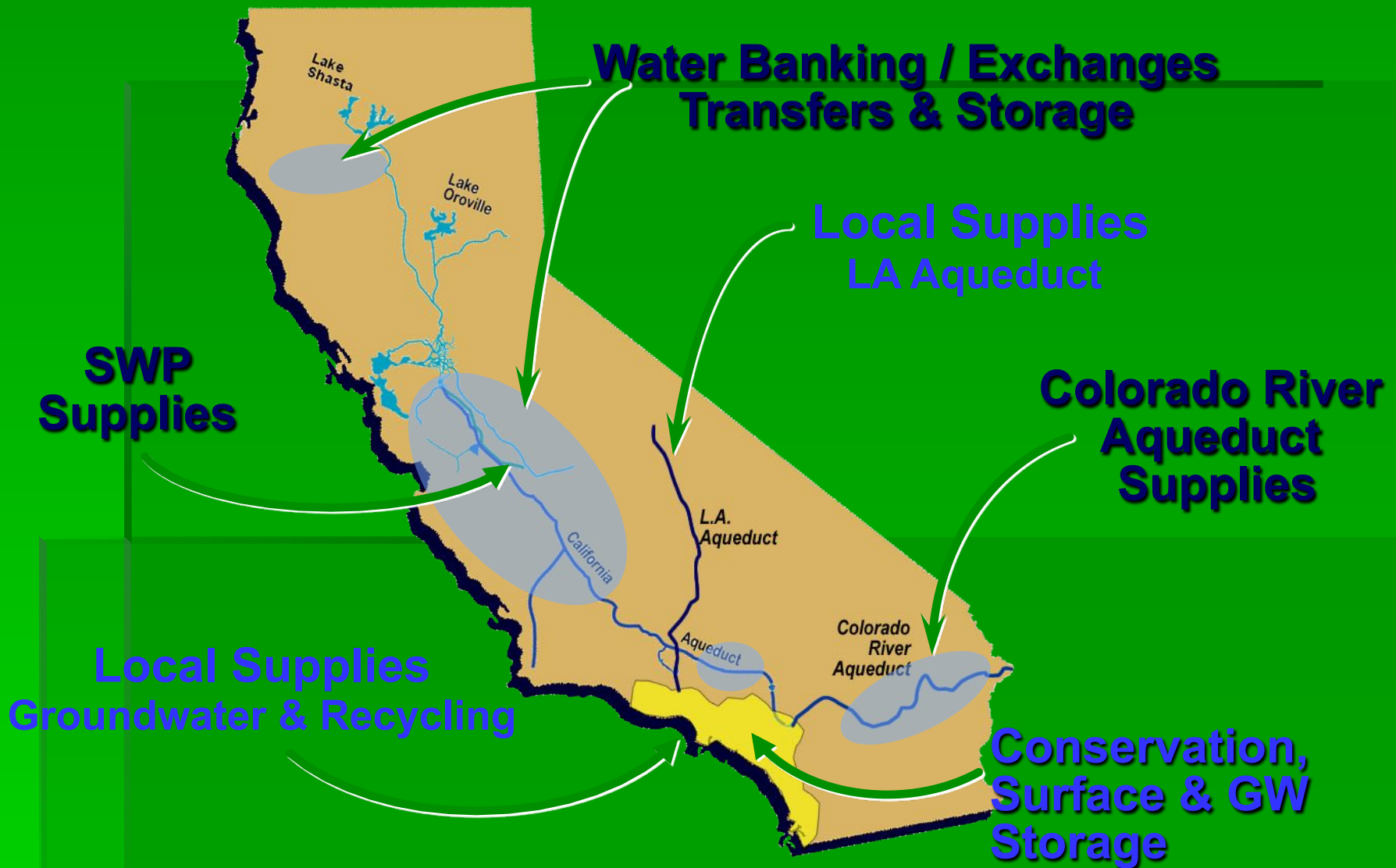




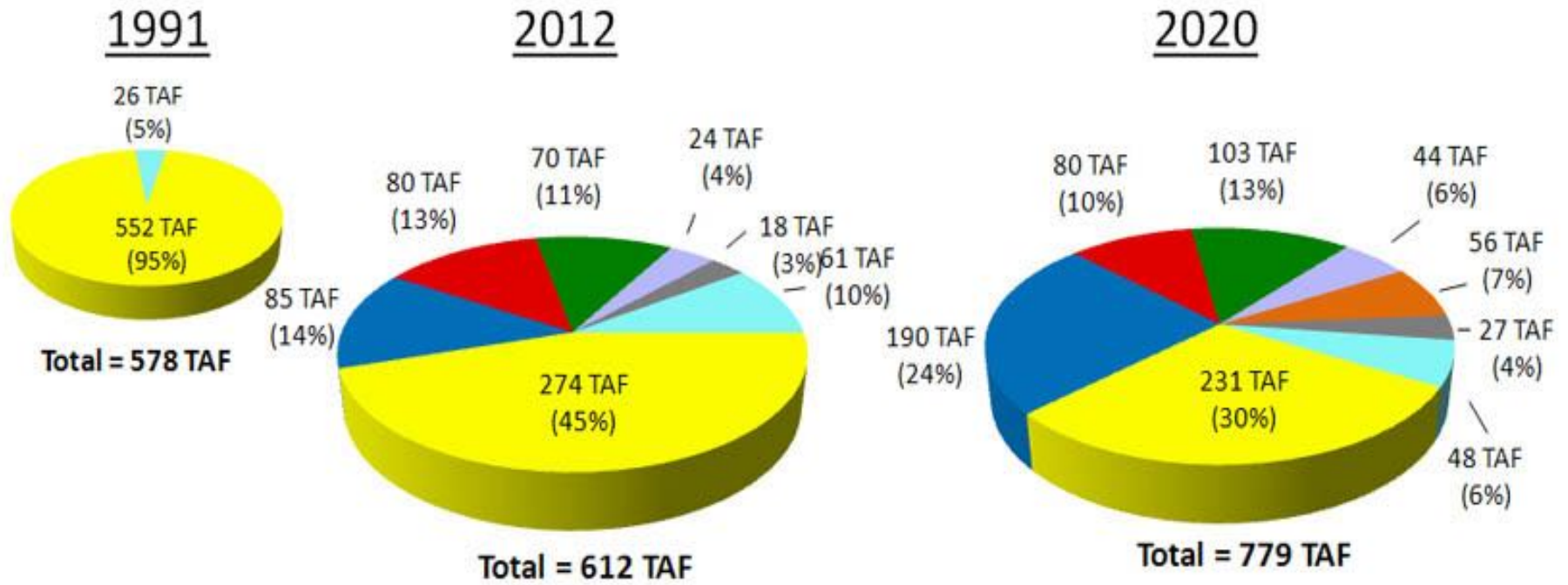
Water and Farming in San Diego County

**Eric Larson
Executive Director
San Diego County Farm Bureau**

Where So. California Gets its Water



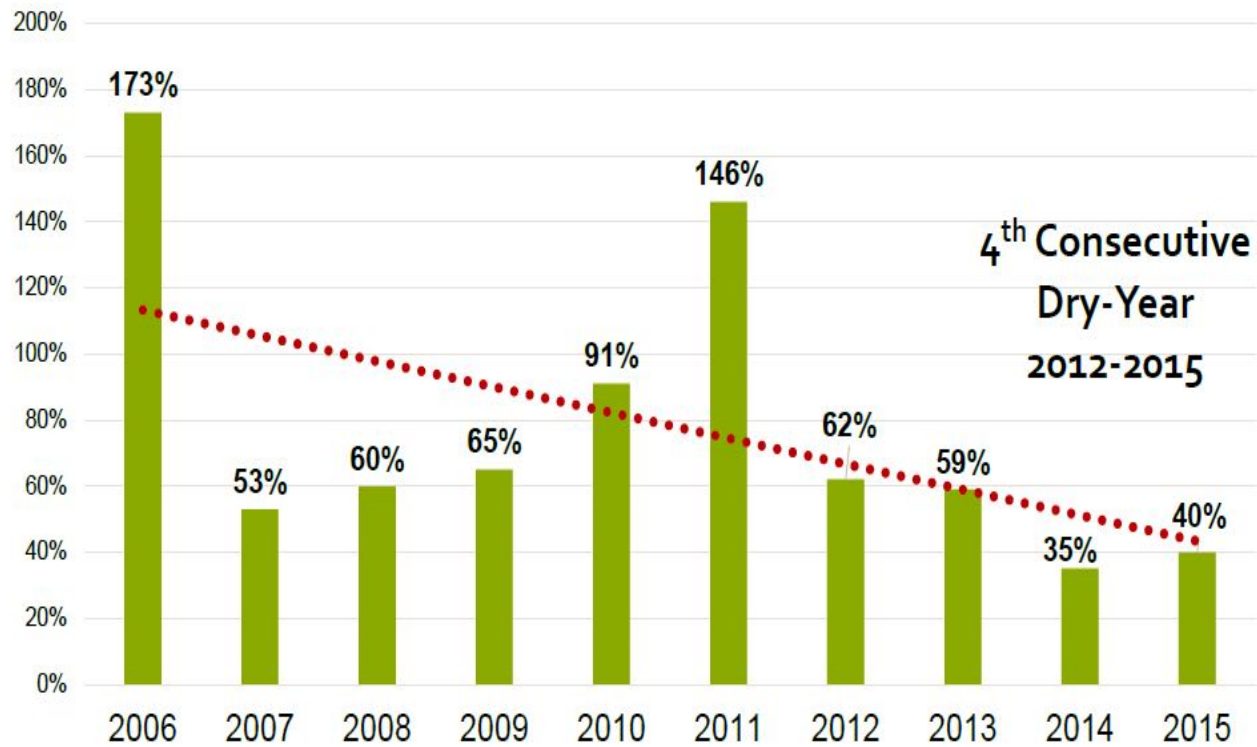
Increasing San Diego County's Water Supply Reliability through Supply Diversification



- Metropolitan Water District
- Recycled Water
- Imperial Irrigation District Transfer
- Seawater Desalination
- All American & Coachella Canal Lining
- Groundwater
- Conservation (existing and additional)
- Local Surface Water

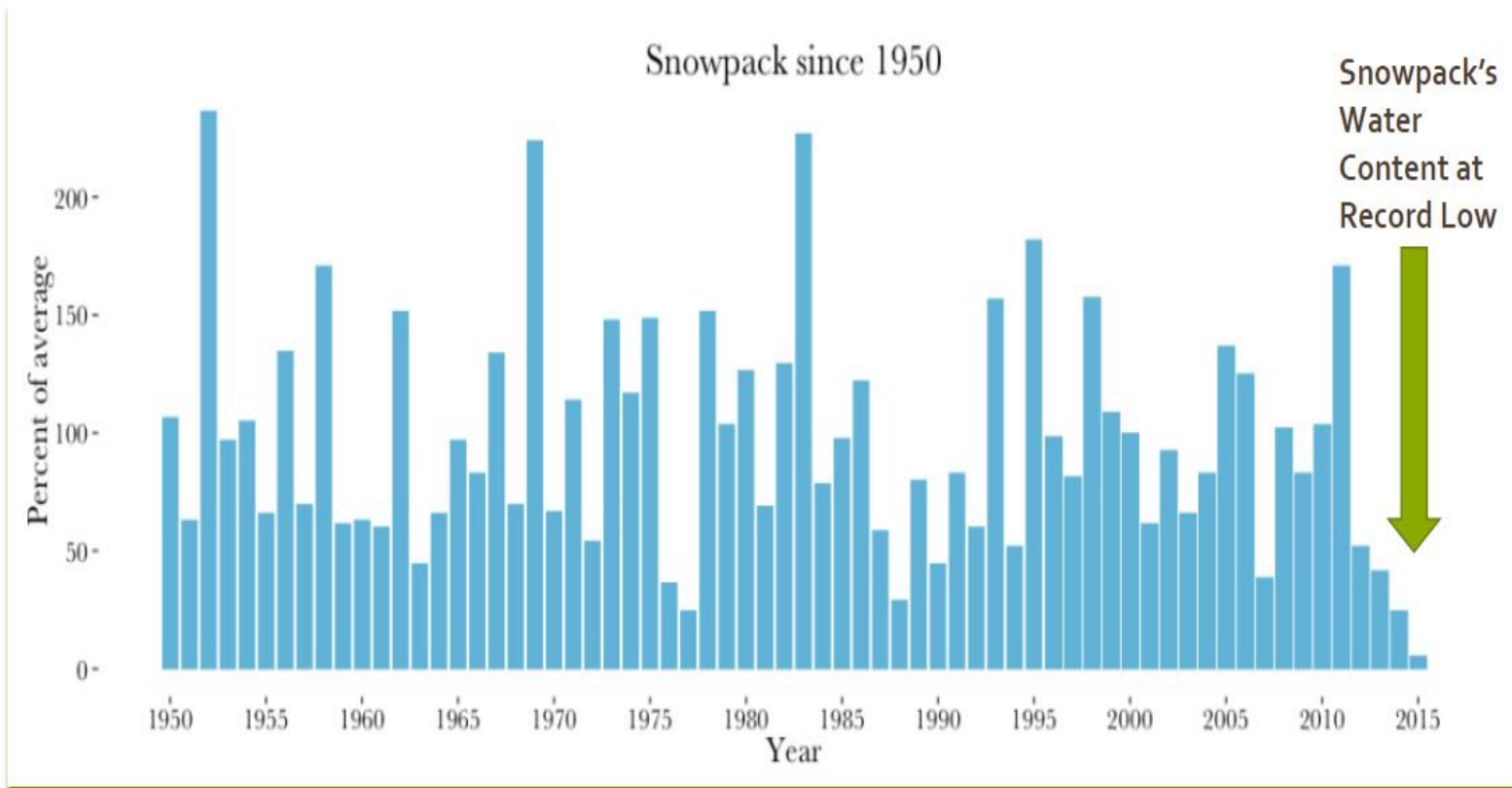
TAF=Thousand Acre-Feet

AVERAGE WATER YEAR STATEWIDE RUNOFF PERCENT OF AVERAGE (Water Year: Oct 1-Sept 30)



NORTHERN SIERRA SNOWPACK

 5% of Normal











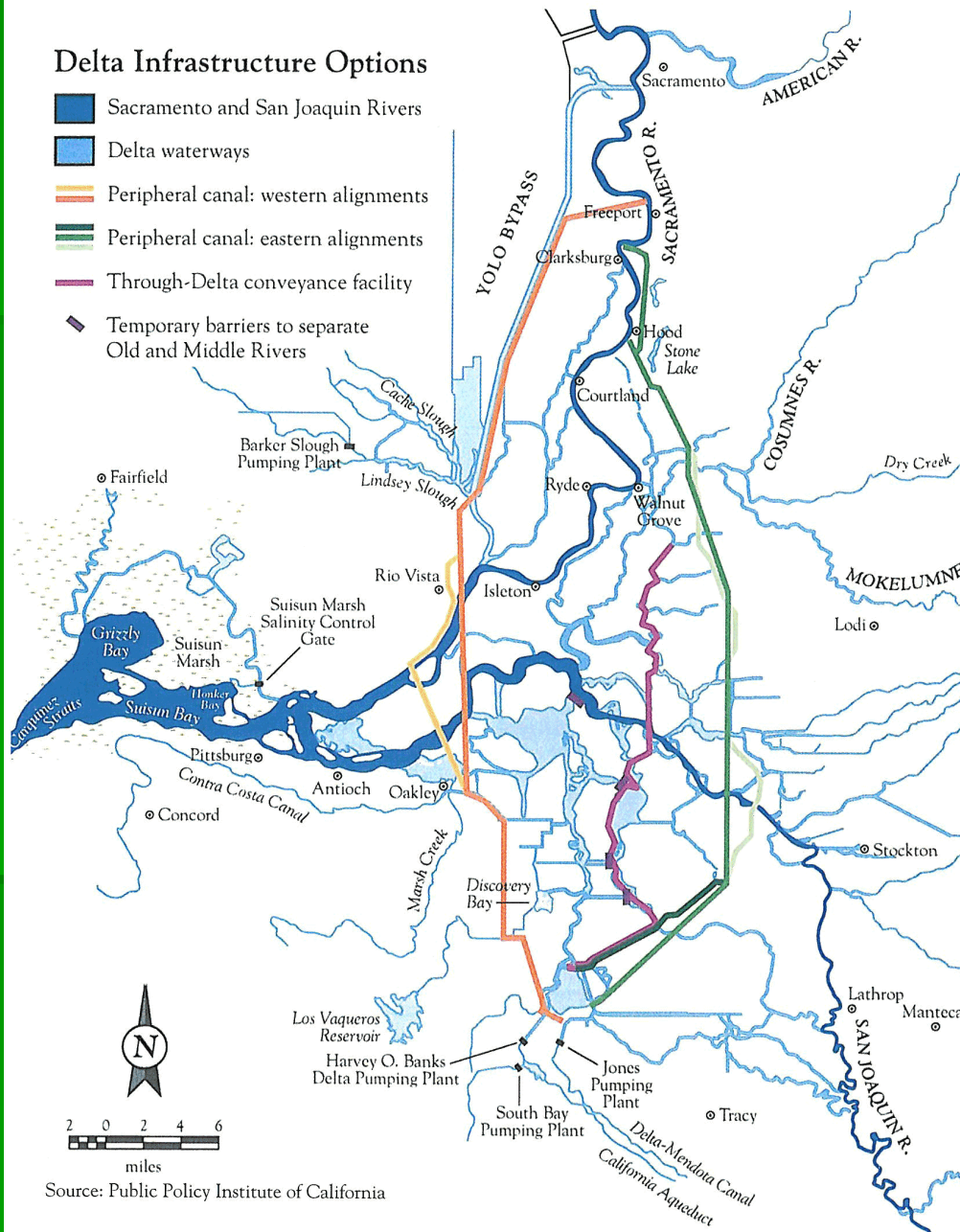


Water Supply Issues

- Ongoing California drought
- Colorado River storage low
- Less precipitation in snow, melting earlier
- Insufficient storage statewide
- Court ruling on the Delta smelt
- 20 million fewer Californians when system completed
- Concern for 2016

Delta Infrastructure Options



-  Sacramento and San Joaquin Rivers
-  Delta waterways
-  Peripheral canal: western alignments
-  Peripheral canal: eastern alignments
-  Through-Delta conveyance facility
-  Temporary barriers to separate Old and Middle Rivers

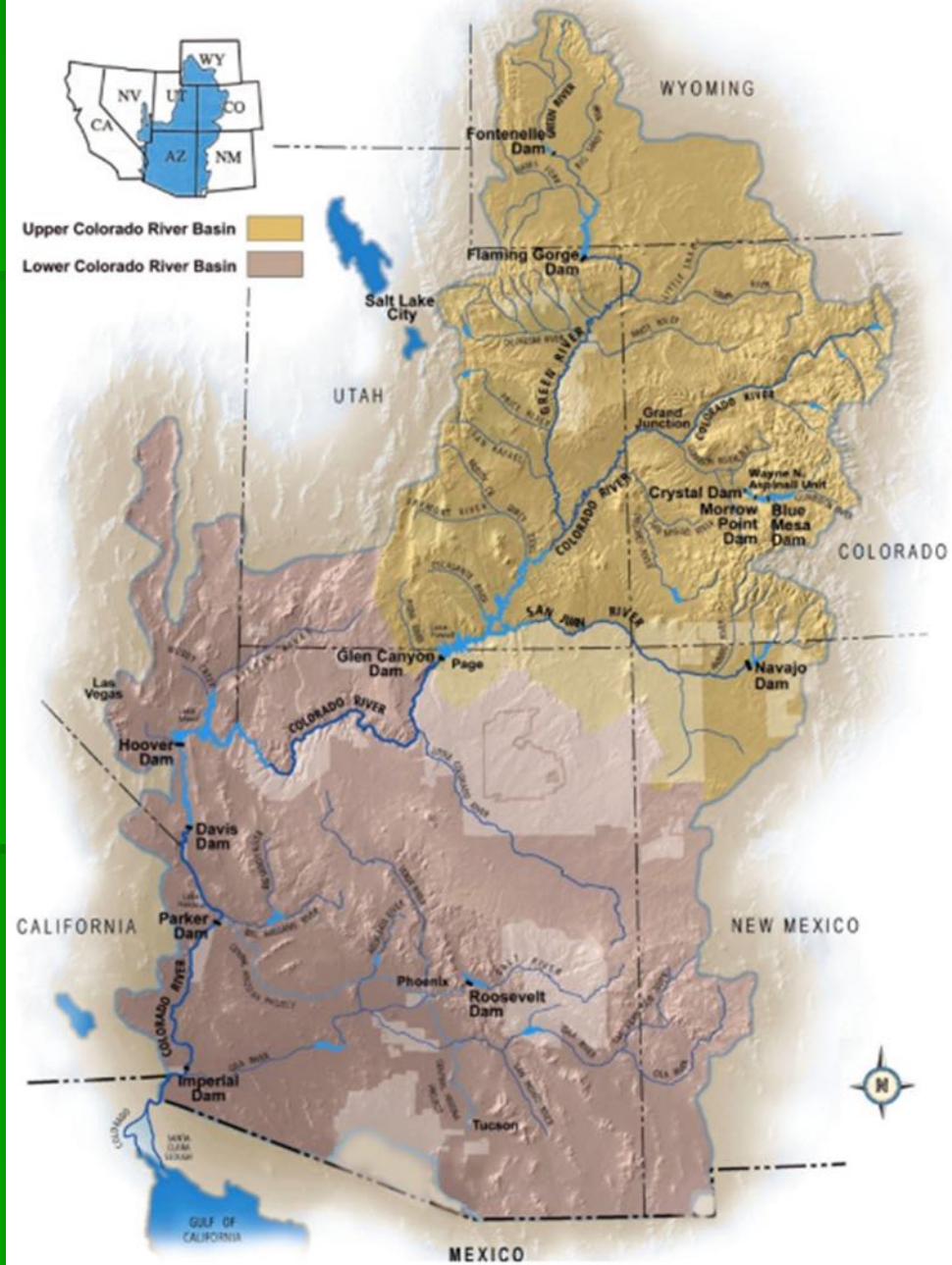


Source: Public Policy Institute of California

Colorado River Basin



Upper Colorado River Basin 
Lower Colorado River Basin 



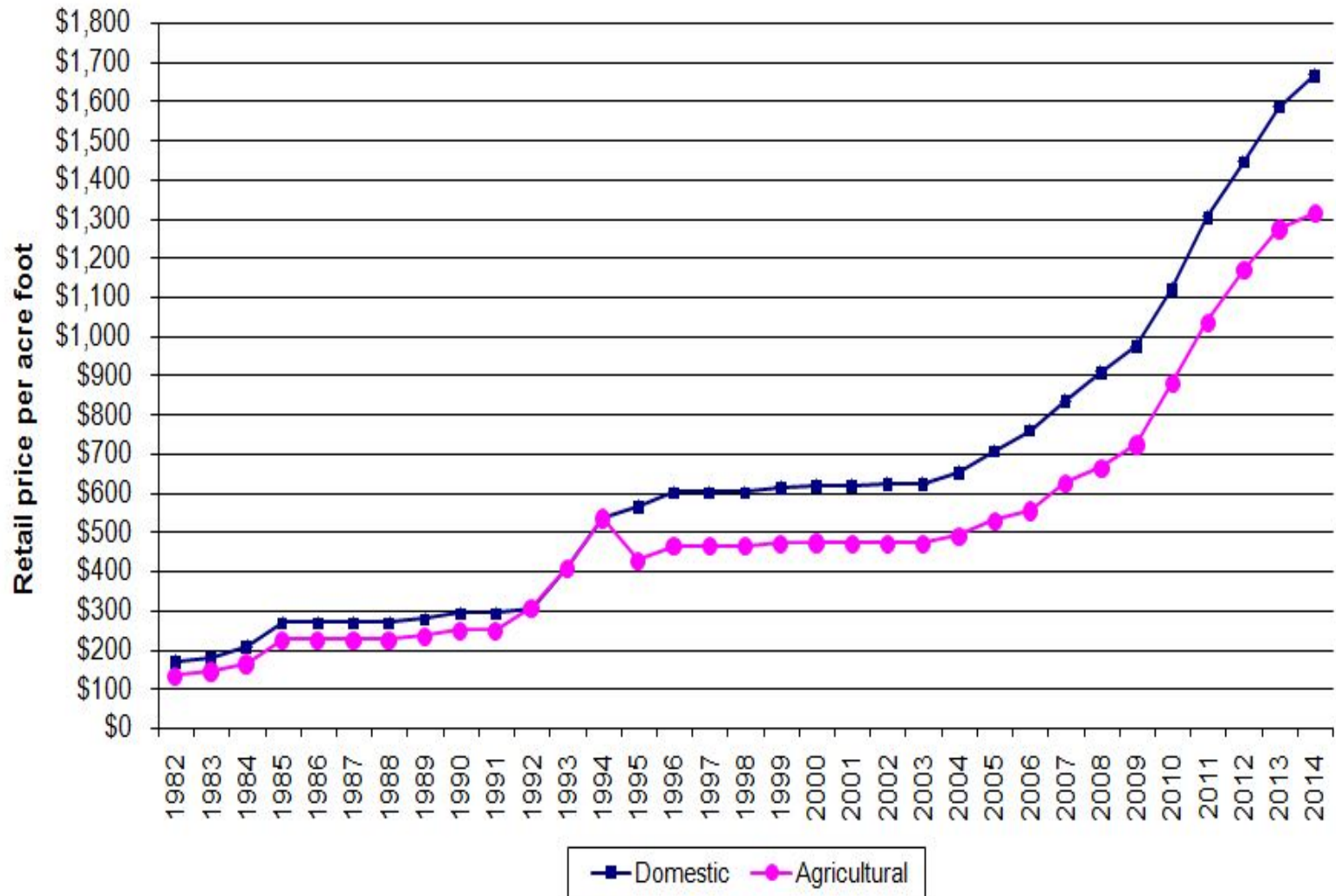
What Needs to Be Done

- Salton Sea Solution
- Diversified Sources
 - Desalination
 - Indirect and Direct Potable Reuse
- Fix the Delta
- Build More Storage
- Reduce Per Capita Consumption

Water Pricing

- New sources are expensive
 - Transfers
 - Desalination
 - Canal lining
- Less water delivered by system means each gallon sold carries more costs
- Delta and storage fix will be expensive

Valley Center - Water Rate Schedule



Recent Ag Water Use

- 2007 water used = 110,309 acre feet
- 2013 water used = 50,503 acre feet
- Why the decline?
 - Water turned off
 - Investments in efficiency
 - Crop and technique changes

Water Update Today

- Governor's April 1 emergency declaration for 25% reduction in urban water use
- Water districts given a reduction percentage
- Full-rate farmers cut at discretion of local water district
- County Water Authority has cut TSAWR water users 15%

Light Brown Apple Moth Diaprepes root weevil



Asian citrus psyllid

Polyphagous SHB

Bagrada Bug



Fruit Flies



Water Quality

- Agricultural runoff waiver has expired
- RWQCB development of General Waste Discharge Requirement
- Will continue to require enrollment in a runoff monitoring group
- Workshops July 14 & 15 and August 3

Heat Illness

- Shade when the temperature exceeds 80 degree F
- Breaks every two hours when the temperature exceeds 95 degrees F
- Shade for all employees at the same time on a break
- Shade and water must not be placed close to portable toilets

Paid Sick Leave

- Effective July 1, 2015
- Accumulates after 30 days worked and can use after 90 days worked
- Days worked started counting January 1, 2015
- Earn one hour for every 30 hours worked
- Employer can cap at 24 hours

Land Clearing

- Planting onto land not actively farmed at least one of the last five years
- County clearing permit required
- Conditions (mitigation) depend on habitat value of the land to be planted