



CAGRD

CENTRAL ARIZONA GROUNDWATER REPLENISHMENT DISTRICT

The Role of the Central Arizona Groundwater Replenishment District

**Water Resources Research Center
2006 Water Conference**

June 20, 2006

WHAT IS THE CAGRDR?



- Created by Legislature in 1993
 - In Anticipation of New Assured Water Supply Rules
- New Authorities/Responsibilities for CAWCD
 - CAGRDR is a Department Within CAWCD
 - Governed by 15-Member CAWCD Board
 - Separate Funding from Other CAWCD Operations
- Covers CAWCD's 3-County Service Area
 - Only Three Active Management Areas

WHAT IS THE CAGRDR?



➤ “Replenishment Contractor”

- Landowners and Water Providers Within the Phoenix, Pinal and Tucson Active Management Areas Enroll in the CAGRDR
- CAGRDR Replenishes Groundwater Used for New Development

WHAT IS CAGRD'S ROLE?



- Help Comply with 1995 AWS Rules
- Must Meet Five Criteria to Prove AWS:
 - Sufficient Quantity of Water for 100 Years
 - Water Source Meets Quality Standards
 - Water Use Consistent with Conservation Standards
 - Water Use Consistent with AMA Goals
 - Applicant is Financially Capable

 **CAGRD's
Role**

HOW DOES CAGRD OPERATE?



- Prepare 20-Year Plan of Operation (2005)
 - Reviewed by Dept of Water Resources
 - Updated Every 10 Years
- Evaluate Qualifications of Member Applicants
- Confirm Repl. Obligations Reported by Members
- Levy Annual Replenishment Assessment/Tax
 - Separate for Each AMA
- Fulfill Replenishment Obligations w/in 3 Years
- File Annual Reports with ADWR

WHO'S IN THE CAGRD?



➤ Member Service Areas

- Entire Service Area of a Water Provider



➤ Member Lands

- Individual Subdivisions



MEMBER SERVICE AREAS

As of May 2006



❖ Phoenix AMA

- Apache Junction
- Avondale
- Chaparral City Water Co.
- El Mirage
- Goodyear
- Johnson Utilities
- Peoria
- Scottsdale
- Surprise

❖ Pinal AMA

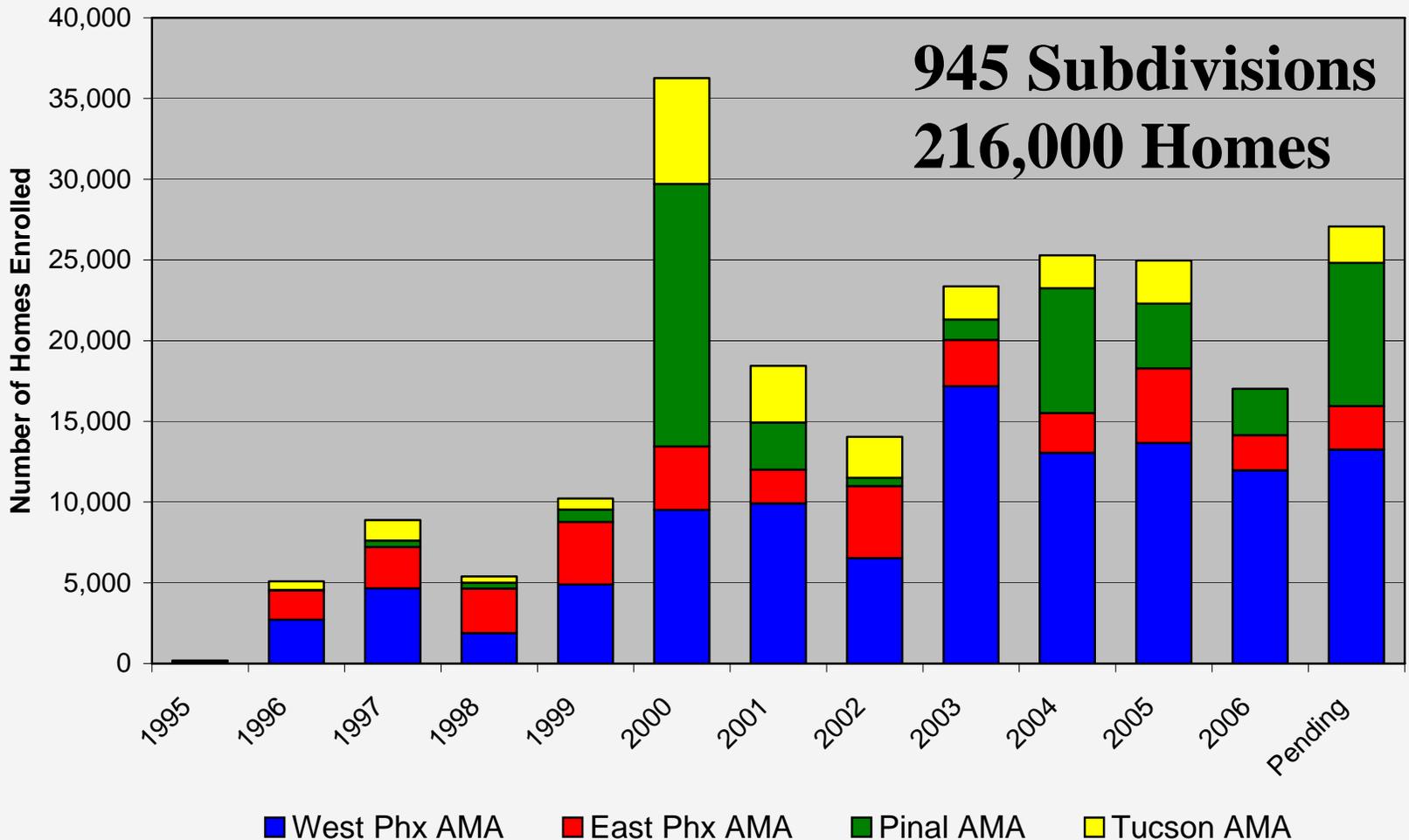
- Eloy
- Florence
- Copper Mt. Ranch

❖ Tucson AMA

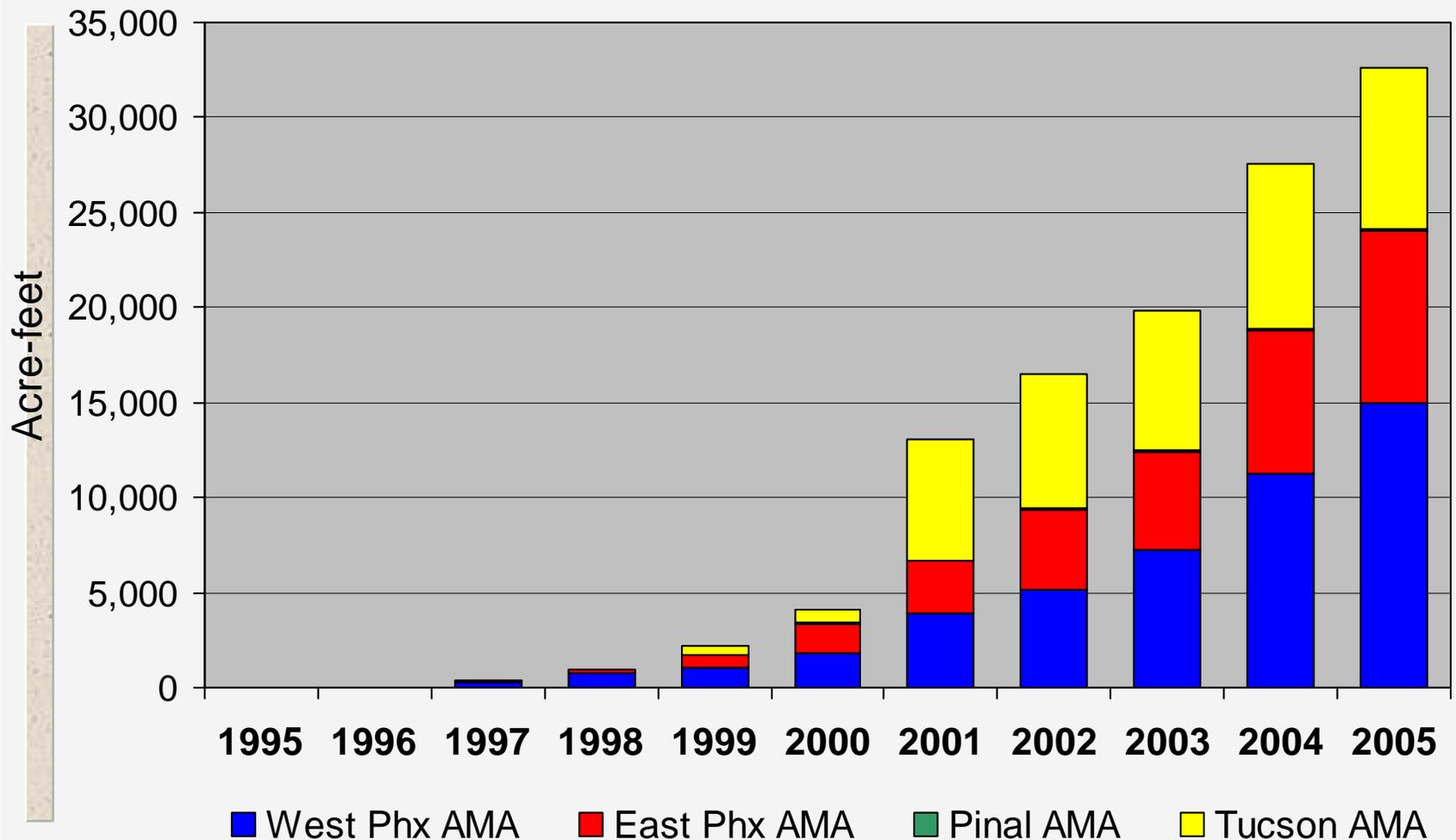
- Marana
- Metro Water
- Metro - West
- Oro Valley
- Rancho Sahuarita
- Spanish Trail
- Tucson
- Vail Water Co.

MEMBER LAND ENROLLMENT

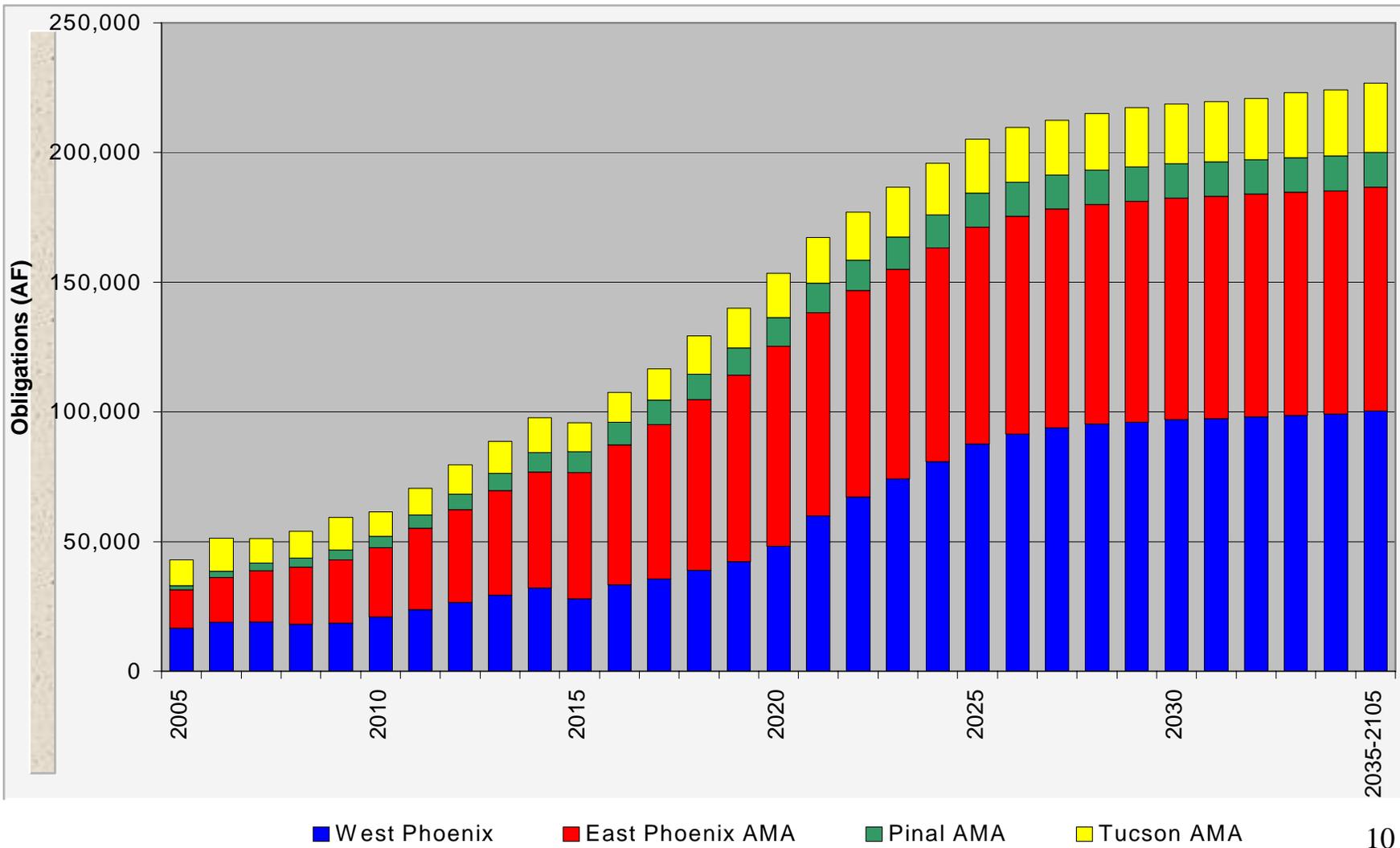
As of May 5, 2006



HISTORIC OBLIGATIONS



PROJECTED OBLIGATIONS





WATER SUPPLIES

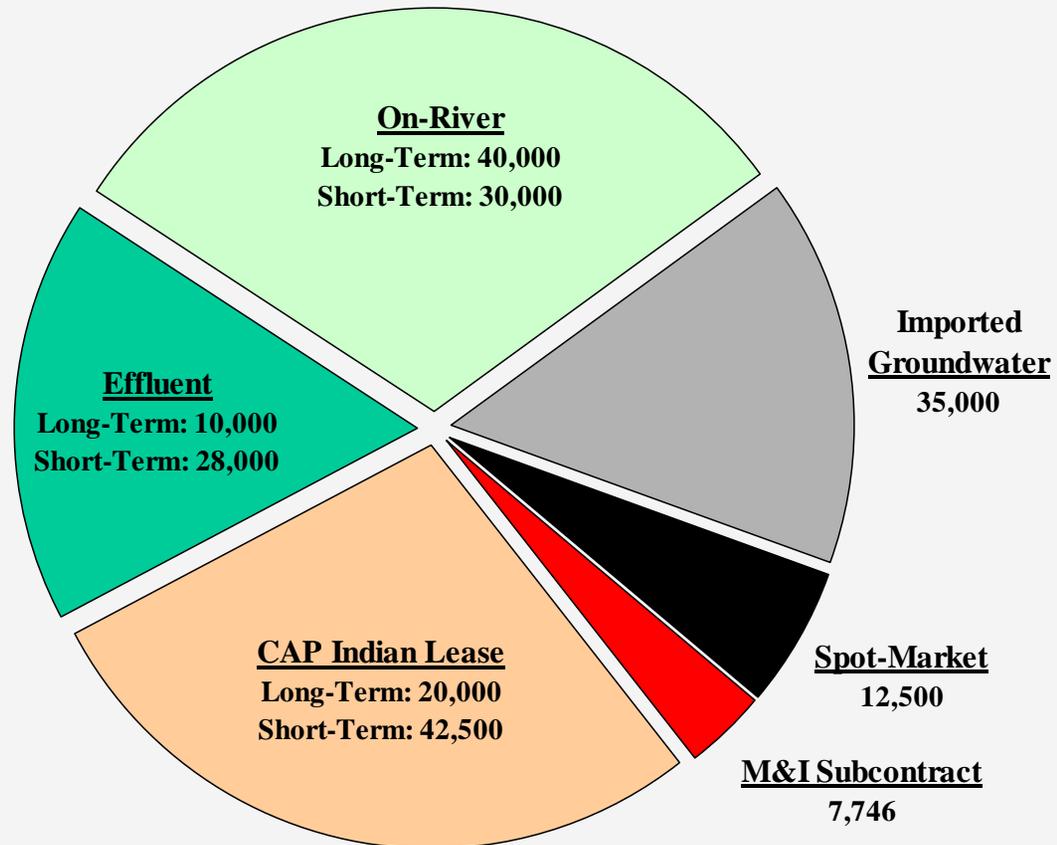
- Plan of Operation includes a general schedule of planned water supply acquisitions
- Acquisitions would be carried out over 20-25 years
- Total projected costs: About \$260 Million
- Funded through a combination of up-front fees and annual assessments collected exclusively from CAGRD members

WATER SUPPLIES



CAGRD Planned Water Supply Acquisitions

Units: Acre-feet



KEY ISSUES FACING CAGRD



- High rate of enrollment
 - Growing replenishment obligations
 - Increasing difficulty in administration of CAGRD
- Water rights acquisition
 - Competition
 - Timing
 - “Wet water”
- Recharge Facilities
 - Capacity and location

QUESTIONS?