Status Report
Water Plan 2000-2050
Update 2012

Presented by:

Wally Wilson – Chief Hydrologist

Presented to:

Technical Planning Policy Subcommittee

December 10, 2012

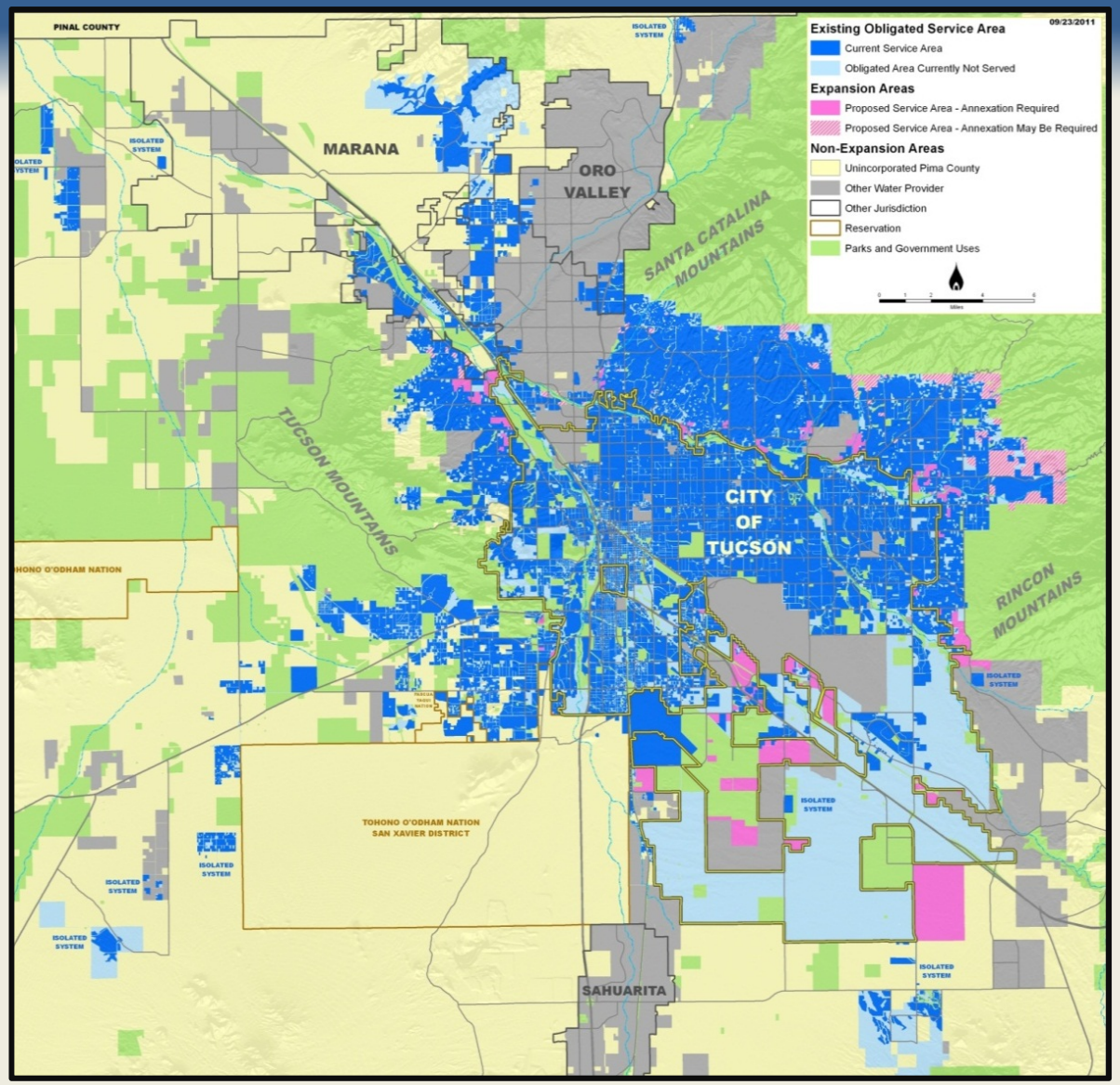
Key Recommendations

- Fully Utilized Renewable Supplies
- Continue Conservation and Water Efficiency programs
- Acquire Additional Supplies

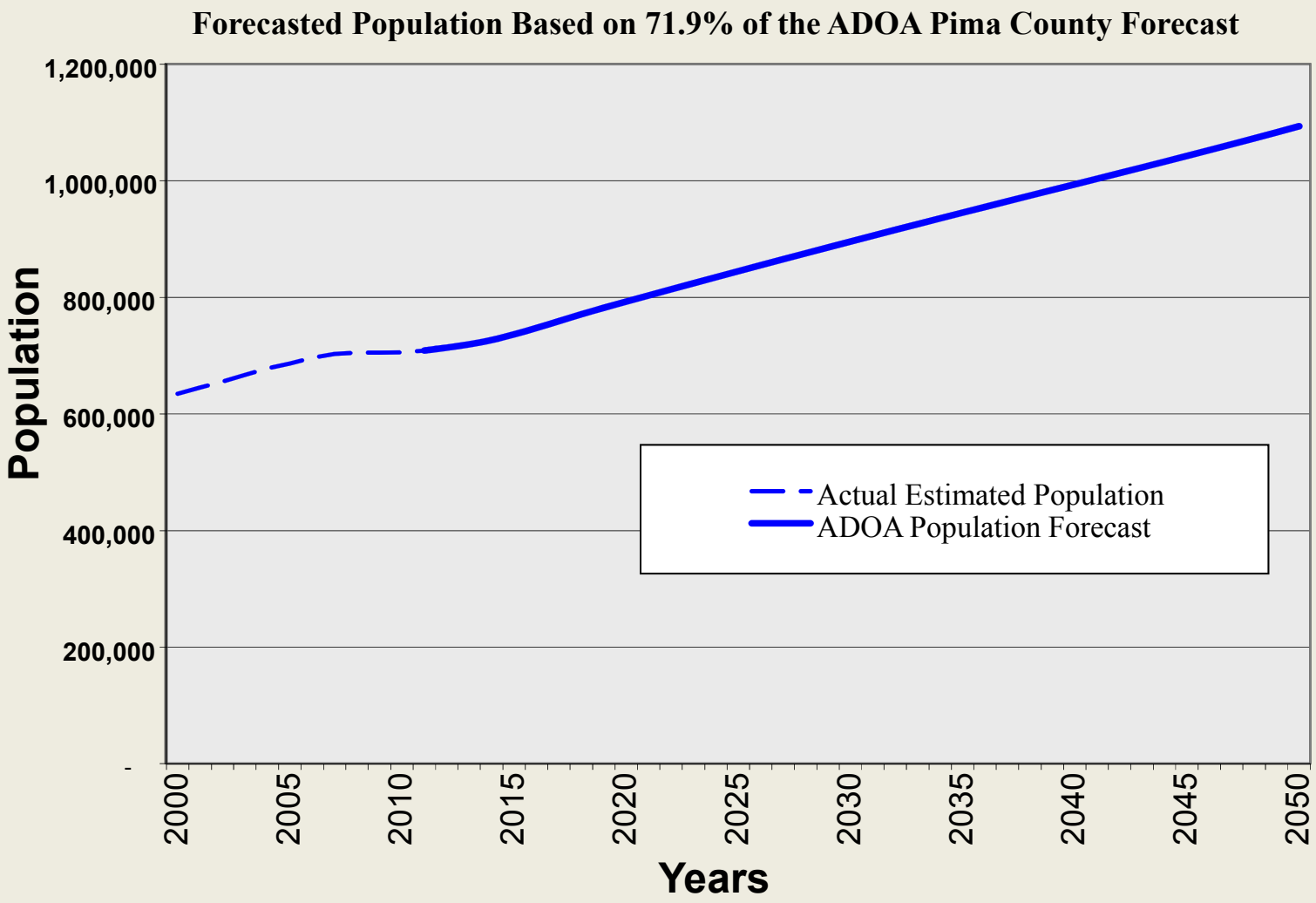
Water Plan 2000 – 2050
2012 Update

- Update of 2008 Assumptions
- Service Area
- Population
- Demand
- Shortage Probabilities

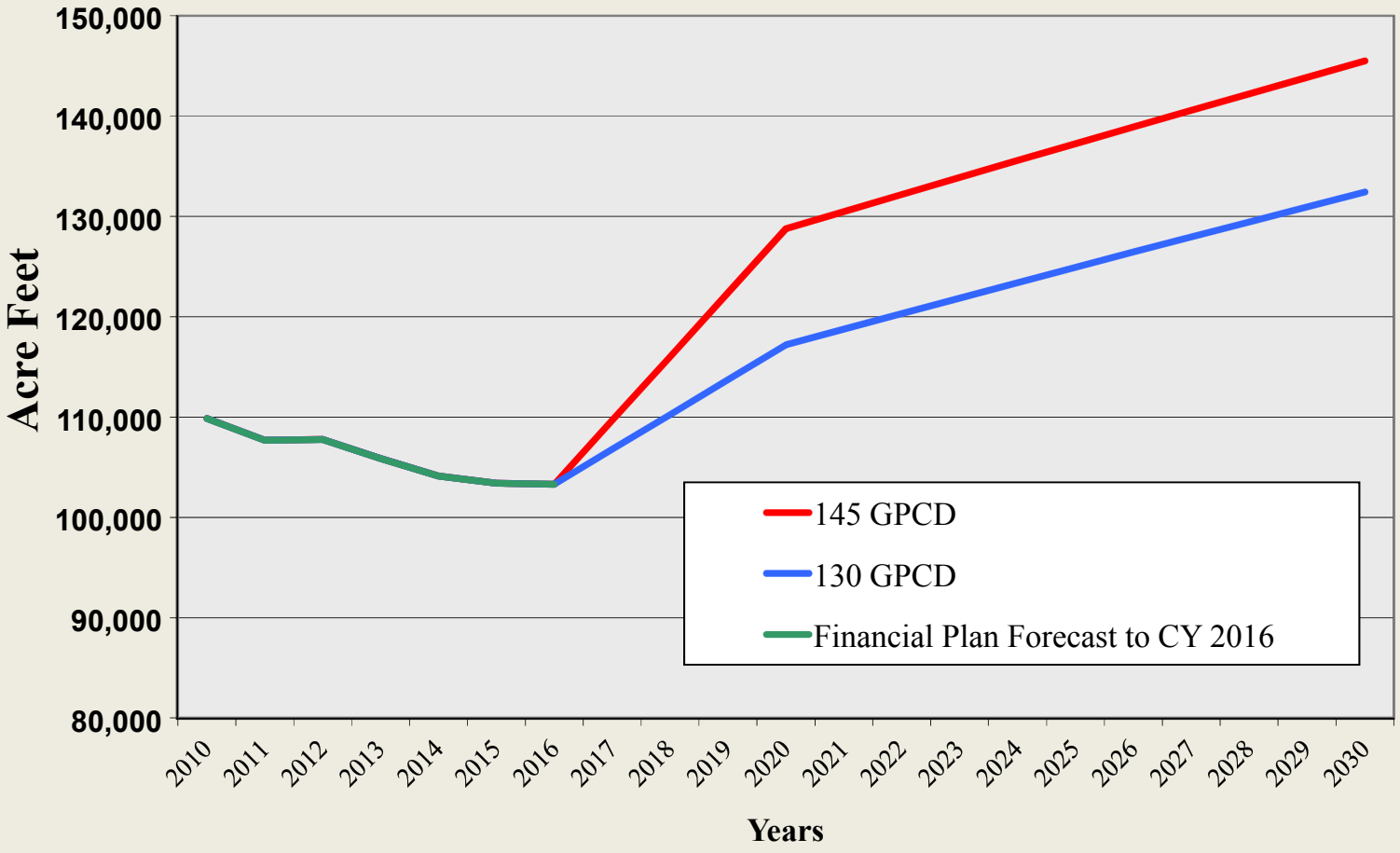
Tucson Water Service Area



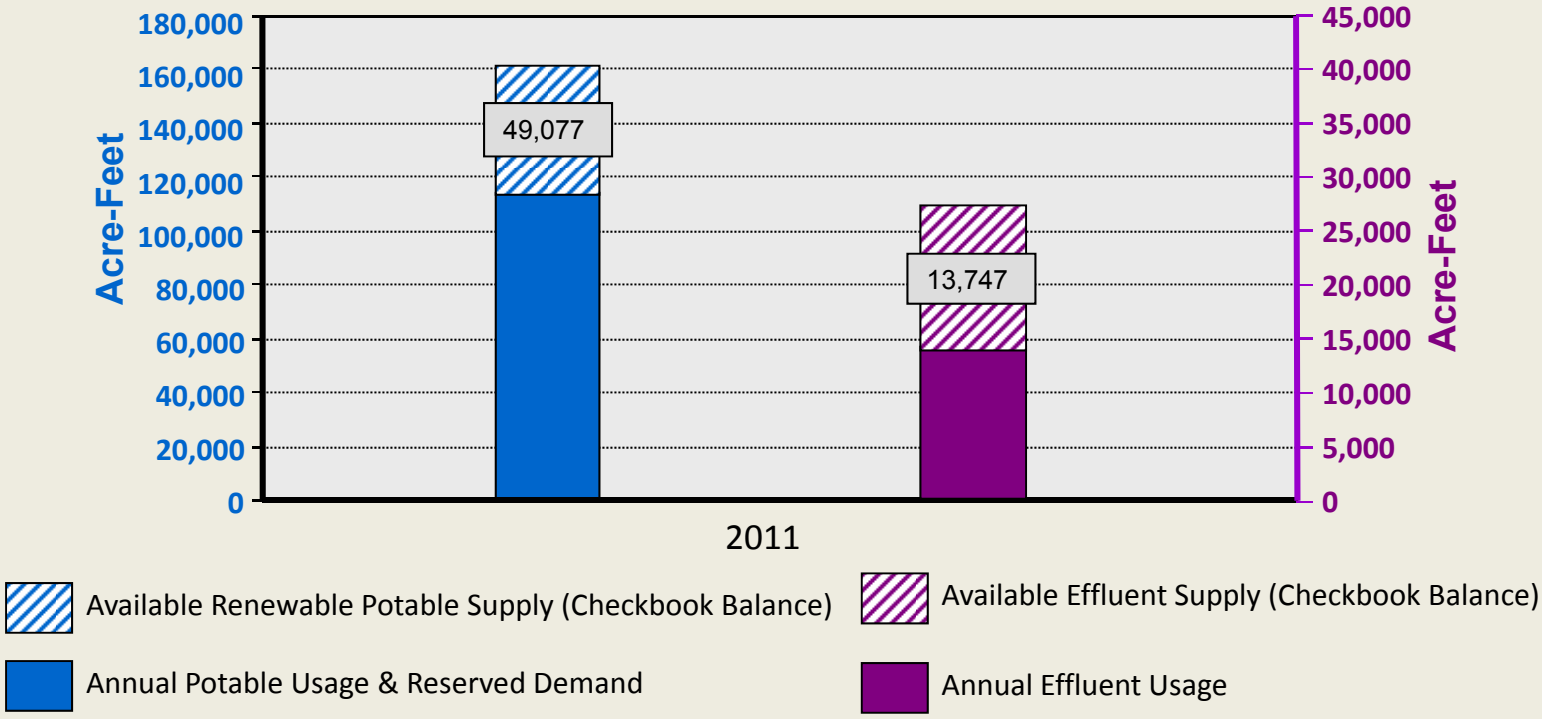
Population Forecast for the Tucson Water Service Area 2012 to 2050



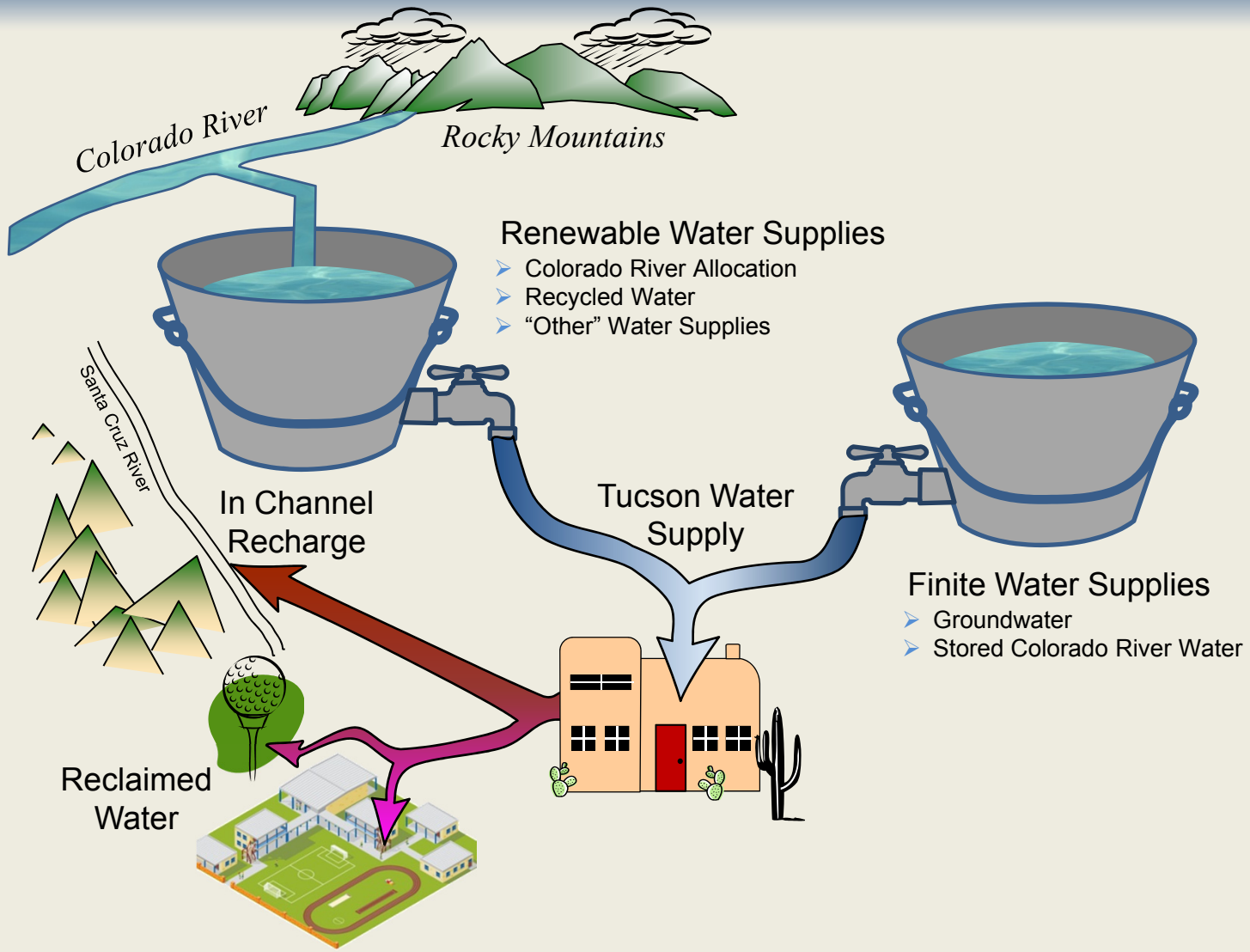
Potable Demand Forecast



Available Renewable Supplies



Available Water Supplies



Water Reliability

Water supply — CAP, Groundwater, Reclaimed, Recycled, Drought Response Plan

Water quality — Water Quality Sampling, Hardness, Advanced Oxidation Plant

Operations & systems — System Maintenance, Operations, Customer Service

Water efficiency — Water Conservation and Efficiency programs, System Operations, Energy Management

WaterSmart

DO YOUR PART, BE WATER SMART

Public Information

PSA's
Information Materials
Events
Presentations

SMARTSCAPE

A TRAINING PROGRAM FOR LANDSCAPE PROFESSIONALS

Education and Training

Youth Education
Teacher Training
Smartscape Program
- Homeowner
- Landscape Professional

Direct Assistance

Zanjero Program
WaterSmart Business

Water Smart

DO YOUR PART, BE WATER SMART

Financial Incentive

Rates

Rebates

- HET's
- HE Urinals
- Irrigation Upgrade
- Greywater
- Rainwater Harvesting

Ordinances

Plumbing Code

Landscape Code

RWH Ordinance

Emergency Conservation

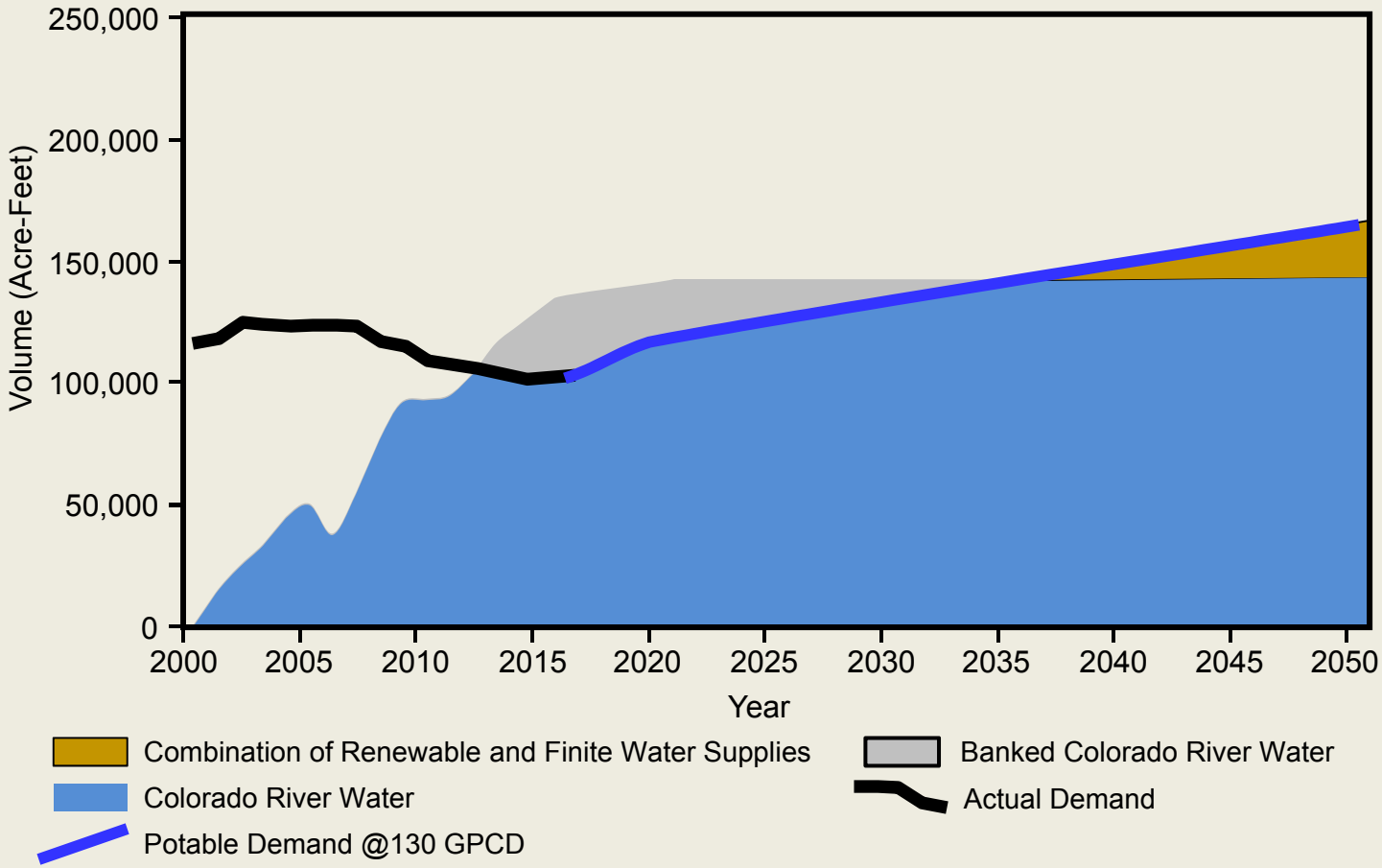
Drought Response

Water Waste

Conservation Program Considerations

- Conservation Program goal should relate to LRP planning objectives
- Efficiency measures must ensure a high level of reliability of water savings
- Efficiency measures must be cost effective

Potable Water Use Projection to 2050



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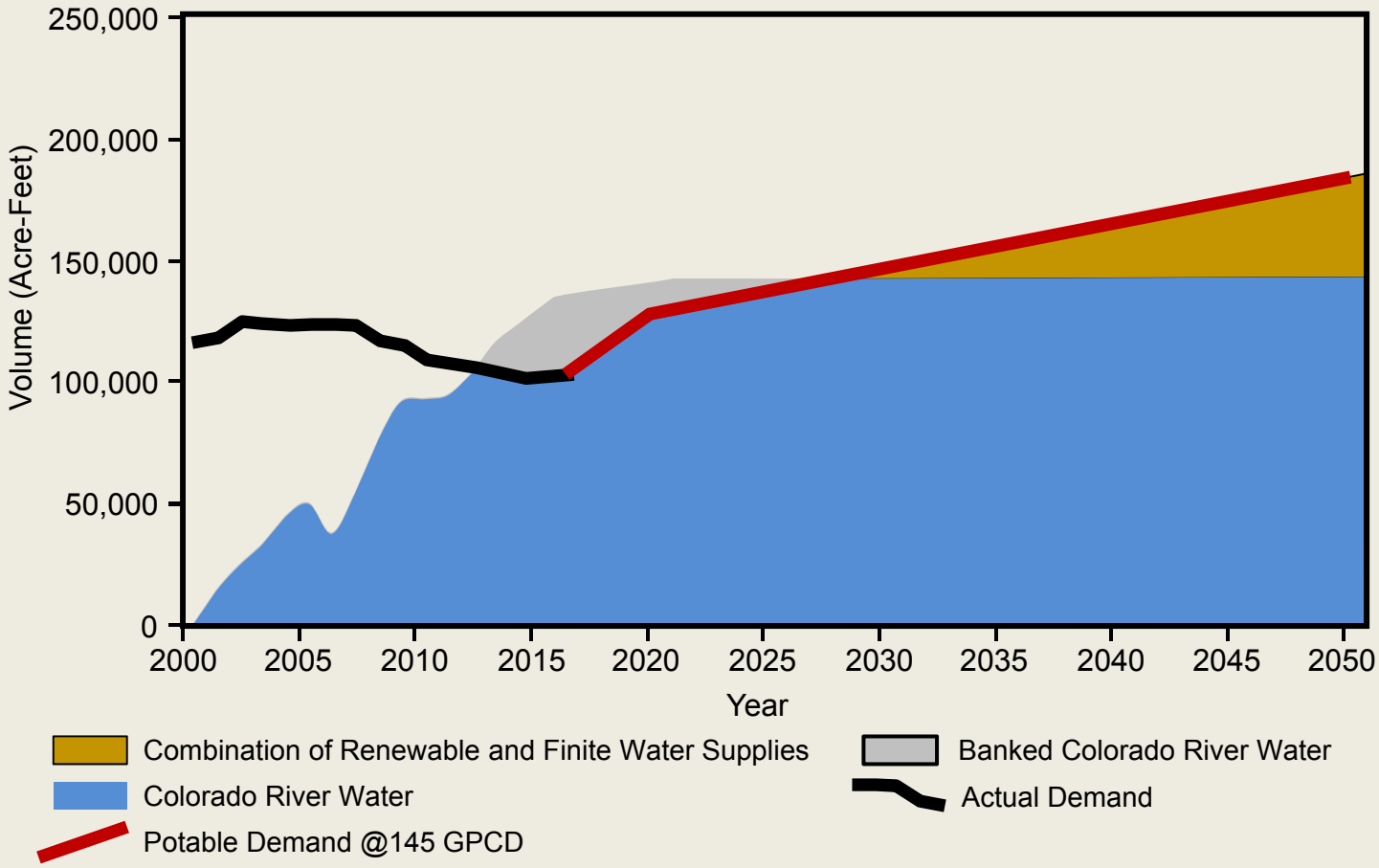
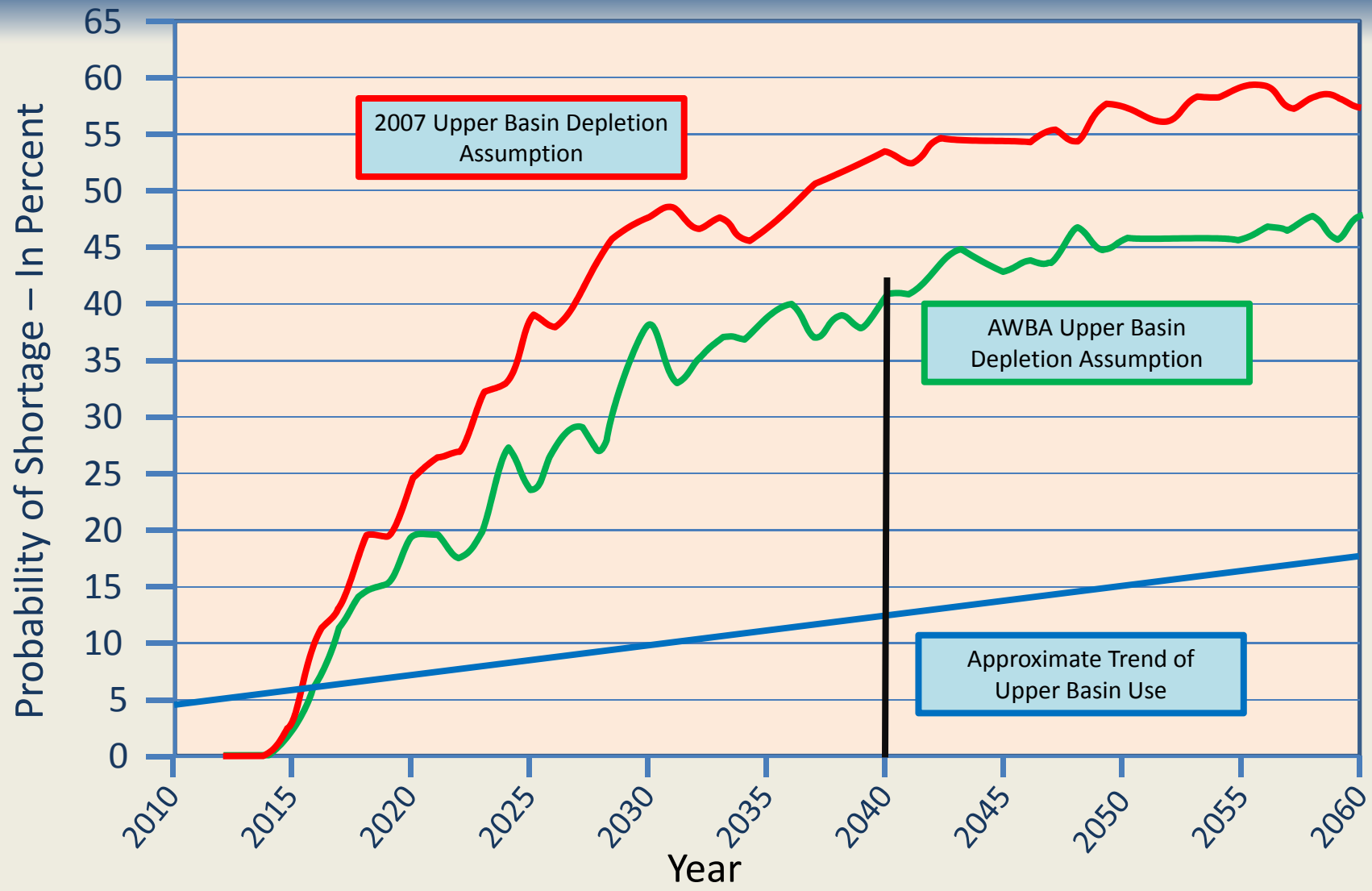
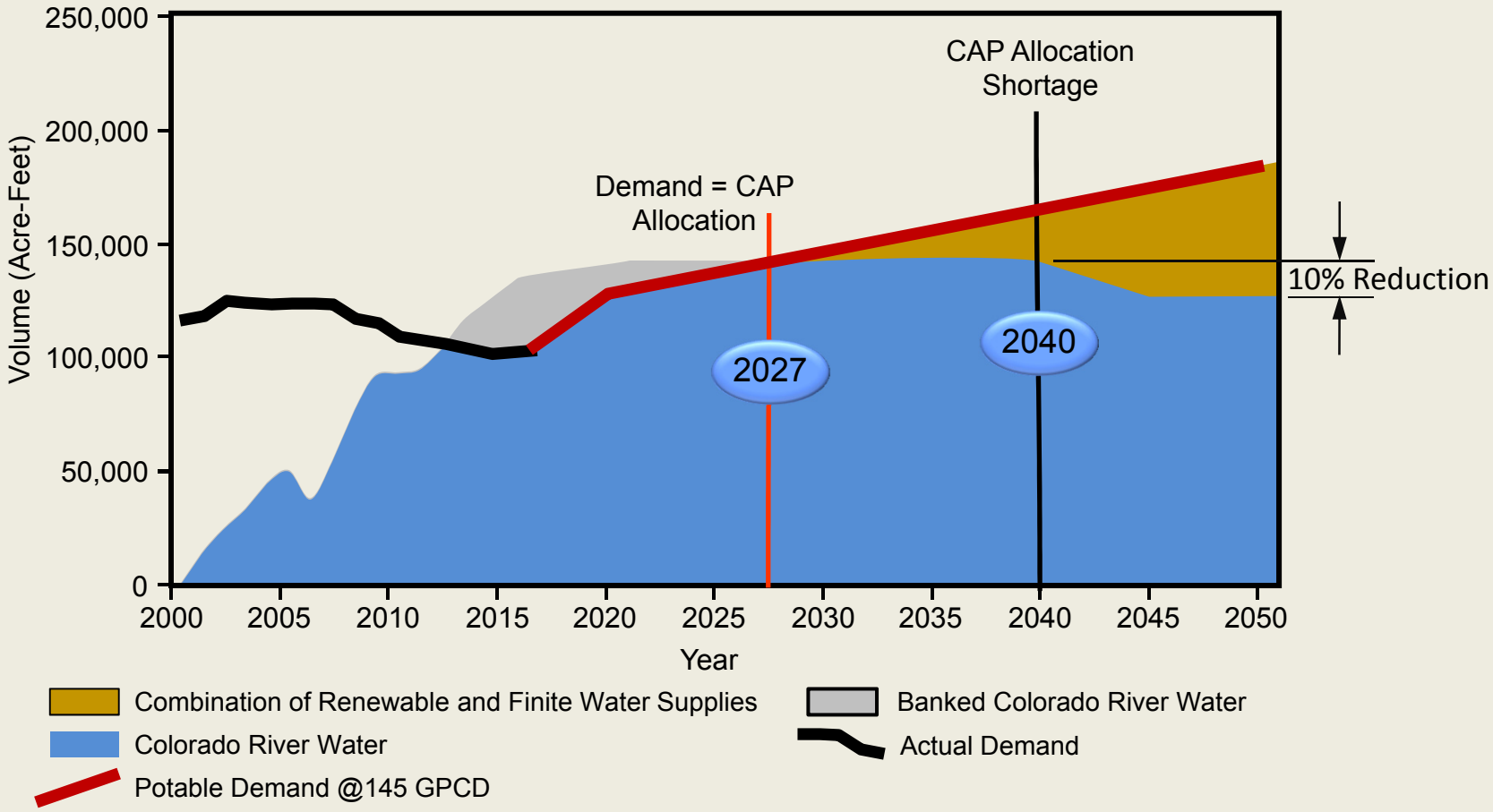


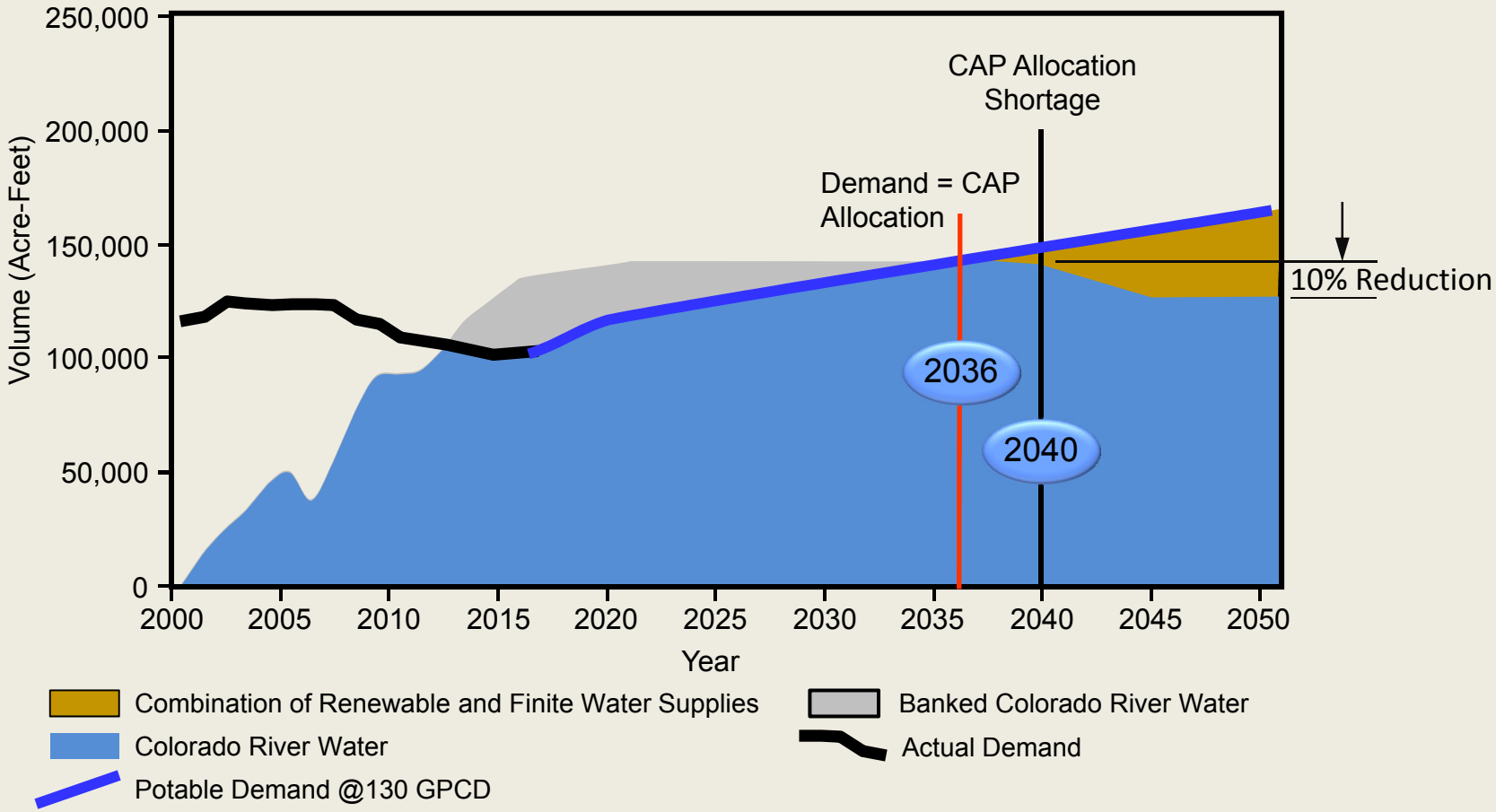
Probability of Shortage to Arizona



Potable Water Use
Projection to 2050 with Shortage



Potable Water Use
Projection to 2050 with Shortage



Acquire Additional Supplies

- ADD Water
- Indian Leases
- Effluent Credits

Key Points

In all scenarios presented all demands to 2050 can be met with currently available supplies

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Questions

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