

Looking to the Future: A Strategic Water Plan for the West Valley

With the City of Goodyear for the West Valley
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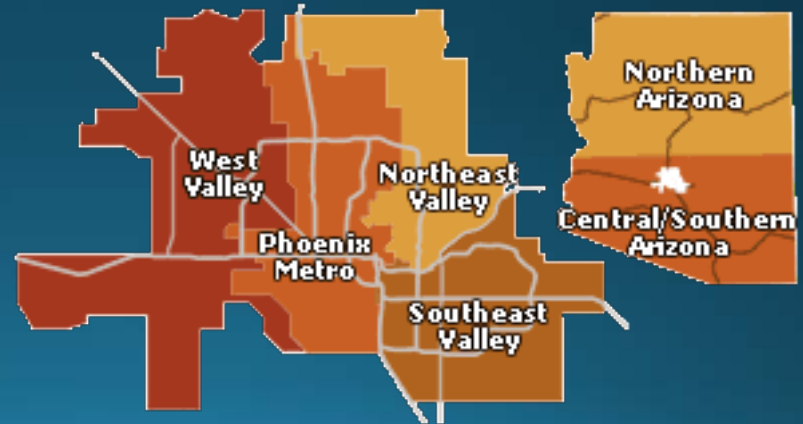
Outline

1. Background and Problem Statement
2. Current Challenges in the West Valley
3. Comparison of Regional Plans
4. Recommendations
5. Conclusion

Background and Problem Statement

Background

- Semi-arid city of 4.5 million people
- Water supply:
 - a. Surface water - Surface water rights
 - b. Central Arizon Project (CAP) water
 - c. Groundwater - Groundwater Management Act
 - d. Effluent
- Water is a challenge



Sustainability Problem

- Water access and sources
 - CAP
 - Groundwater and recharge
 - Salt River Project (SRP)
- Population growth
- West Valley Water Association



Current State of the West Valley

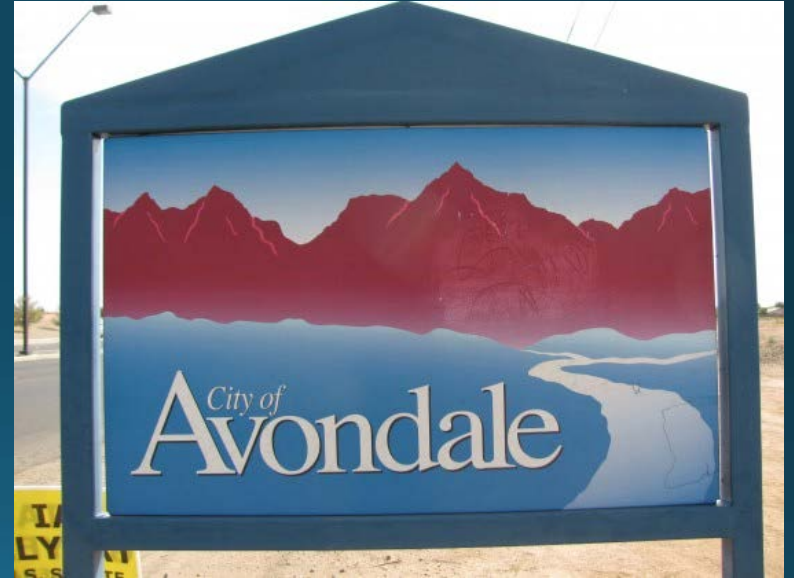
WV Current Plan and Challenges: City of Goodyear



- Challenges:
 - Increasing population
 - No access to SRP water
 - Indirect access to CAP water
 - CAGRID
- General Plan (2016):
 - Increase supply
 - Decrease demand

WV Current Plan and Challenges: City of Avondale

- Challenges:
 - Increasing population
 - Indirect access to CAP water (CAGRID)
 - Outdoor water use
- Colorado River Basin Study
 - Collaboration between West Valley cities regarding their joint water usage
 - Recommends using a more central water recharge station



WV Current Plan and Challenges: City of Peoria



- Challenges:
 - Population
 - Colorado River shortages
 - SRP allocations
 - Over-pumping groundwater
- Drought Management Plan (2017)
 - Providing safe water to the public
 - Maintaining the economy
 - Plan ready to implement in shortage or drought
- Drought protection strategy

Comparison of Sub-regional Plans

WESTCAPS Strategic Plan

- Original multi-city water organization in the West Valley
- Strategic Plan:
 - Marketing, branding, and communications
 - Advocacy and lobbying
 - Policy and planning

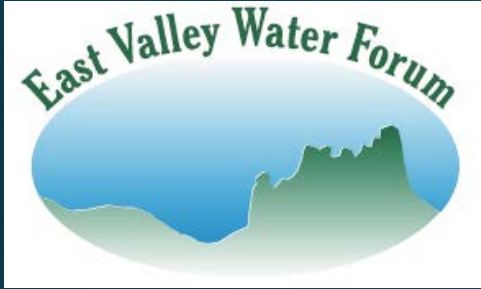
What is WESTCAPS?

- West Valley CAP Subcontractors
- Collaboration of municipal and private water providers, and interested water agencies, working together to develop regional solutions to plan for the future of water in the West Valley.
- Our Mission is to develop a cost effective, quality water supply; engage in water resource planning and management; and develop regional partnerships for water in the West Valley.



WEST VALLEY WATER

Comparable Region: East Valley Water Forum



- EVWF located in Phoenix East Valley
- Challenges of East Valley:
 - Depleted groundwater resources
 - Water stress caused by drought
- Strengths:
 - Multi-city organization with many types of members
 - Scientific reports and policy recommendations
- Weakness:
 - No formal evaluation of effectiveness

Recommendations for the Strategic Plan

Create Policy Recommendations

Goal: Influencing regional policy to work towards greater water security in the West Valley

- Studies and research should include clear policy recommendations that can turn reports into legislative change
- Policy recommendations should include specific activities and options on how to achieve the policy goal

Formal Evaluation of Policy Recommendations

Goal: Providing an organizational structure to assess management plans and implementation

- Incorporate a plan to follow through each recommended action
- Checkpoints throughout all stages
- Reflect on what will or will not be successful in the West Valley
- Track success or failure of the proposals

Outdoor Water Use Recommendation

Goal: Targeting factors that influence outdoor water usage in the West Valley

- Work with the local and state governments, plumbing companies, and manufacturers
- Urge HOAs to review and revise their policies to include and encourage natural/desert landscaping

Conclusion



Problem: increasing population adds stress to limited water resources

Goal: WVWA as a sub-regional water planning and action organization to increase water security within strategic plan

Recommendations:

1. Create Policy Recommendations
2. Formal Evaluation of Recommendations
3. Reduce Outdoor Water Use Demand

Questions?