

Assured Water Supply Portfolio Summary

City of Prescott
December 2009



Terminology

Groundwater Allowance

Groundwater amount allocated by Arizona Department of Water Resources (ADWR) to the City's portfolio

Effluent Storage and Recovery

Average amount of recharged effluent credits available for allocation by the City to new development



Effluent Direct Use

Average amount of effluent credits available for direct use as irrigation and construction water

LTSC - Long Term Storage Credits

Surface Water

Average amount of water recharged annually from Watson and Willow Lakes

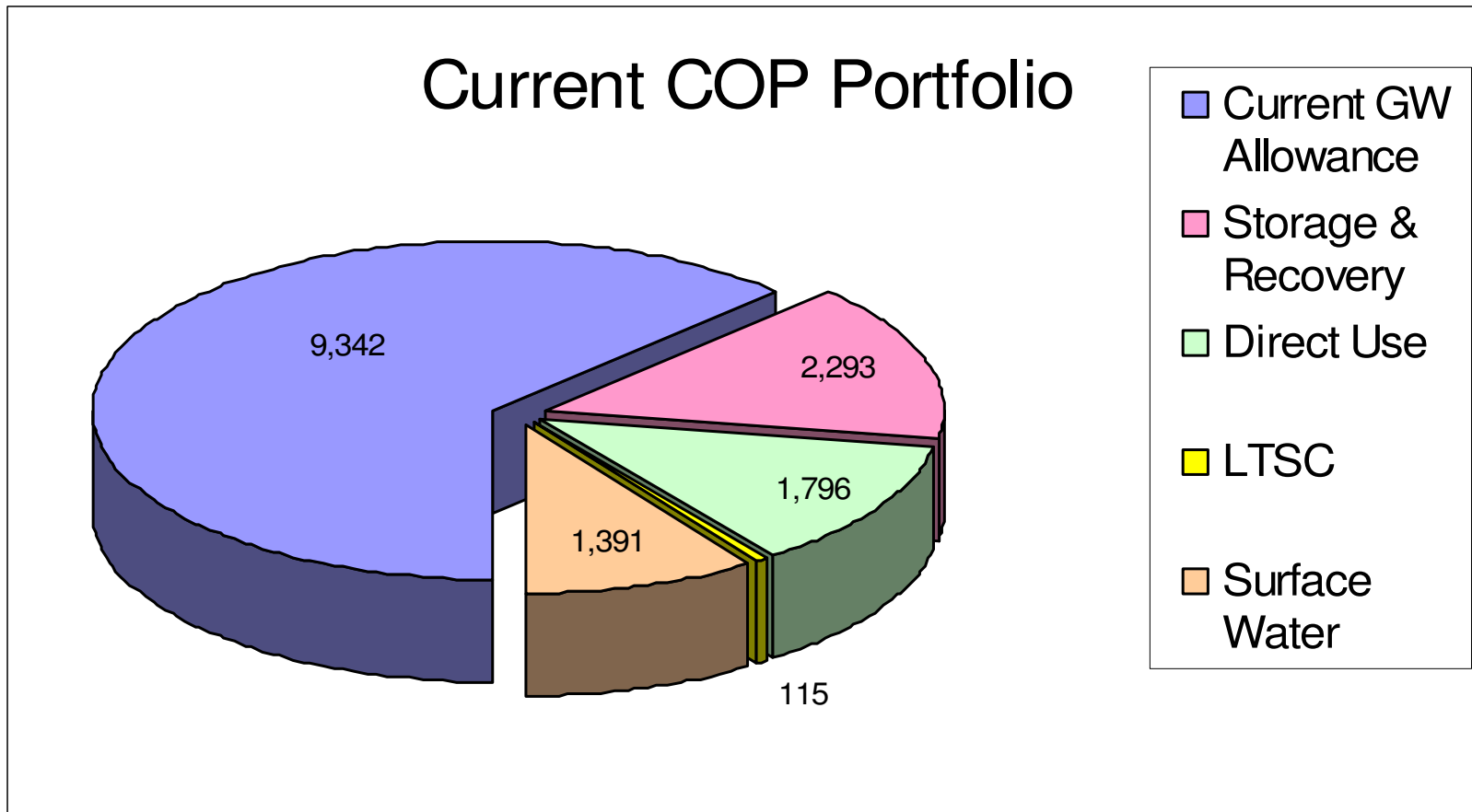


2005 Decision & Order

<u>Groundwater (GW) Allowance</u>	<u>Acre-Feet (AF)</u>
Max GW Allowance	11,200
Current GW Allowance	9,342
<u>Alternate Water</u>	
Effluent Storage & Recovery	2,293
Effluent Direct Use	1,796
LTSC	115
Surface Water	1,391
<u>Maximum Portfolio per ADWR¹</u>	16,795
<u>Current Portfolio</u>	14,937

¹Quantity Reflects Max GW Allowance

2005 Decision & Order



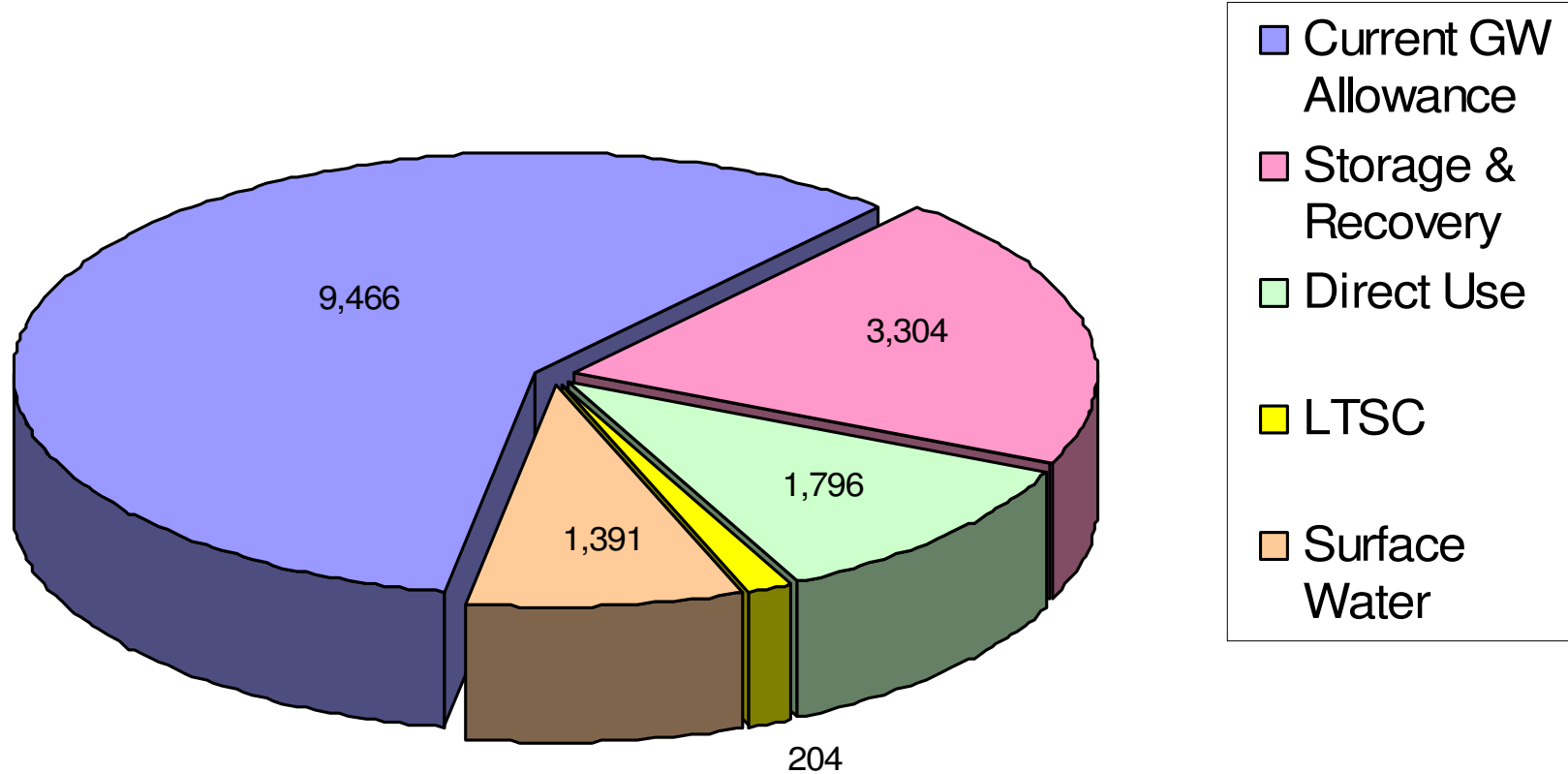
2008 Decision & Order (Pending)

<u>Groundwater (GW) Allowance</u>	<u>Acre-Feet (AF)</u>
Max GW Allowance	11,200
Current GW Allowance	9,466
<u>Alternate Water</u>	
Effluent Storage & Recovery	3,304
Effluent Direct Use	1,796
LTSC	204
Surface Water	1,391
<u>Maximum Portfolio per ADWR¹</u>	17,895
<u>Projected Portfolio (When D&O Effective)</u>	16,161

¹Quantity reflects Max GW Allowance

2008 Decision & Order

2008 D&O Portfolio



Demand - Two Types

Current Demand

Amount of water Prescott is currently serving to customers through actual pumping, regardless of what types of water in portfolio are used (average of last nine years)

Committed Demand

Amount of water Prescott is obligated to serve (higher than current demand)



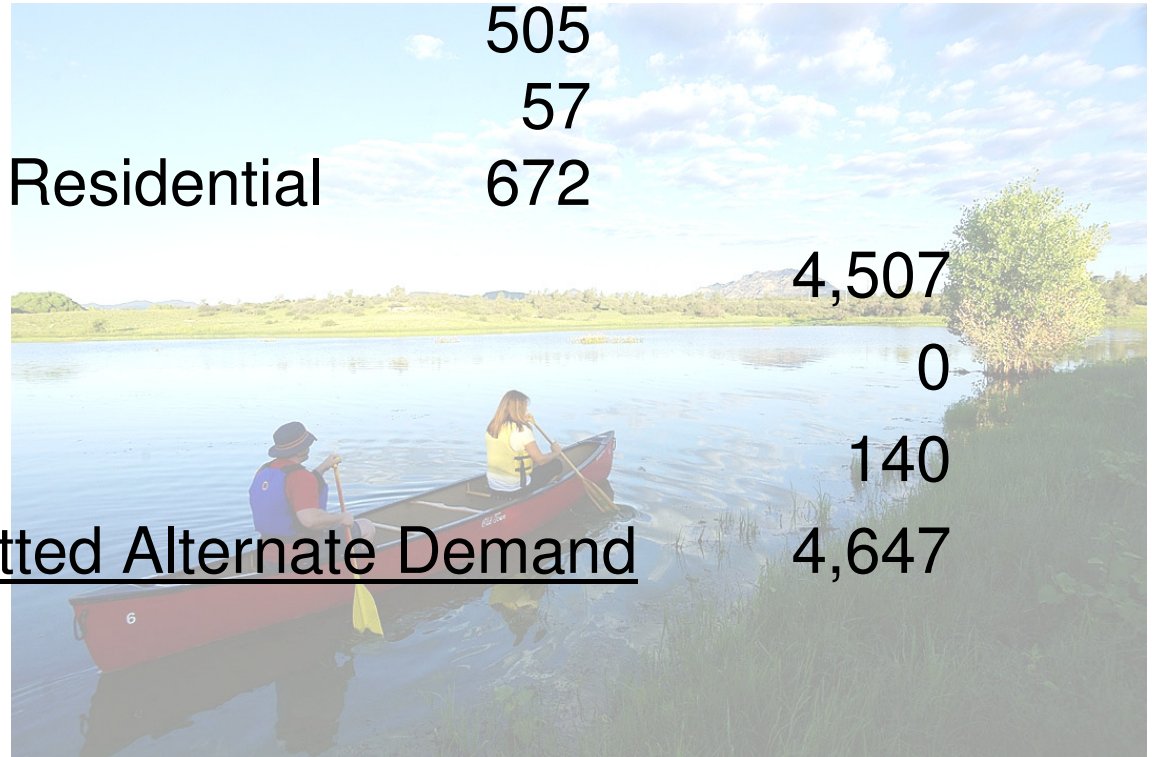
Current & Committed Demand Groundwater



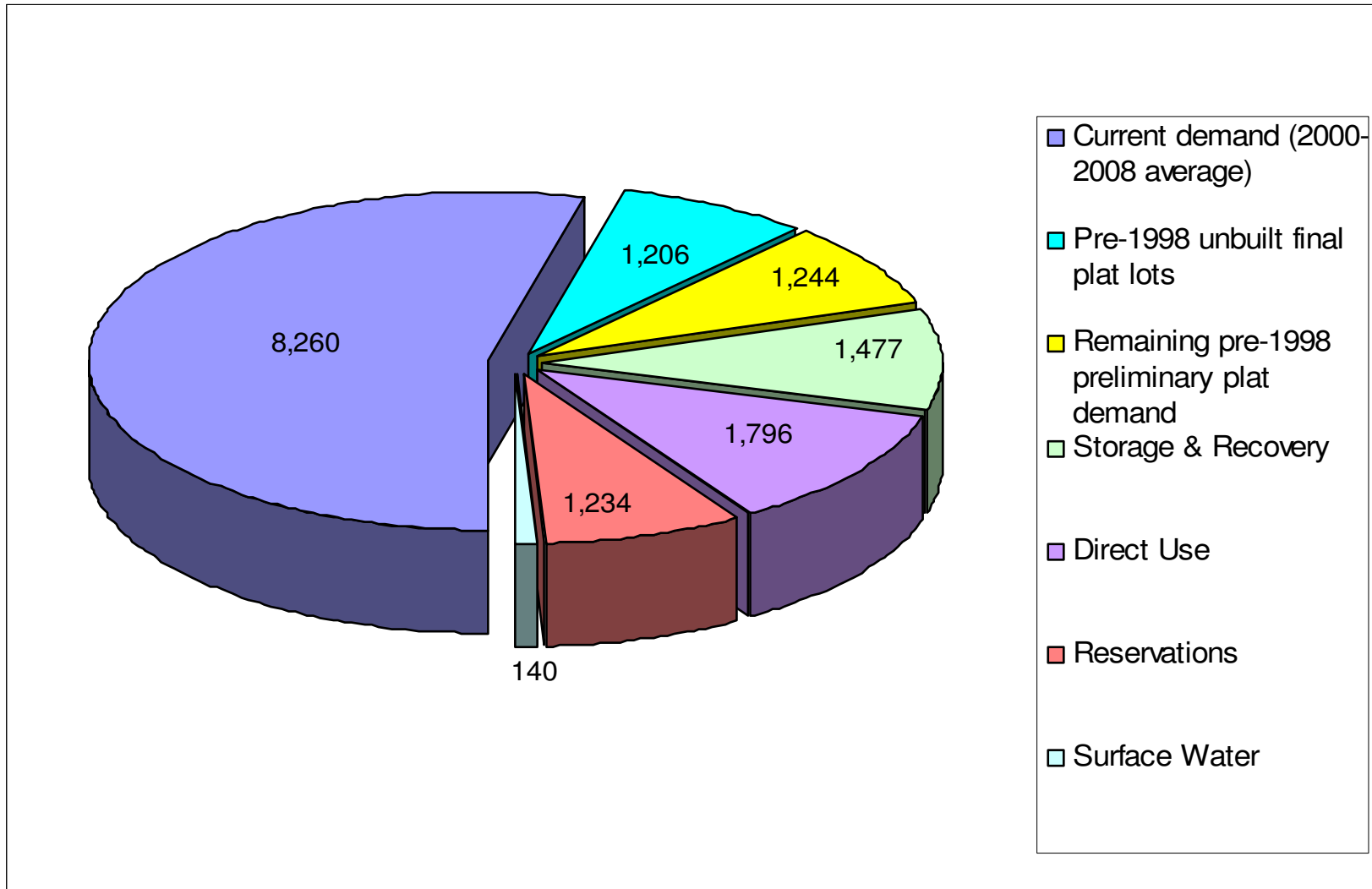
	<u>AF</u>
Current Demand (2000-2008 average)	8,260
Pre-1998 Unbuilt Final Plats	1,206
Pre-1998 Preliminary Plats	<u>1,244</u>
Total Current & Committed Groundwater Demand	10,710

Current & Committed Demand Alternate Water

<u>Effluent</u>		<u>AF</u>
Storage & Recovery		1,477
Direct Use		1,796
Reservations		1,234
CVID Agreement	505	
Other Agreements	57	
Unwatered Vacant Residential	672	
<u>Total Effluent Demand</u>		4,507
<u>LTSC</u>		0
<u>Surface Water</u>		140
<u>Total Current & Committed Alternate Demand</u>		4,647



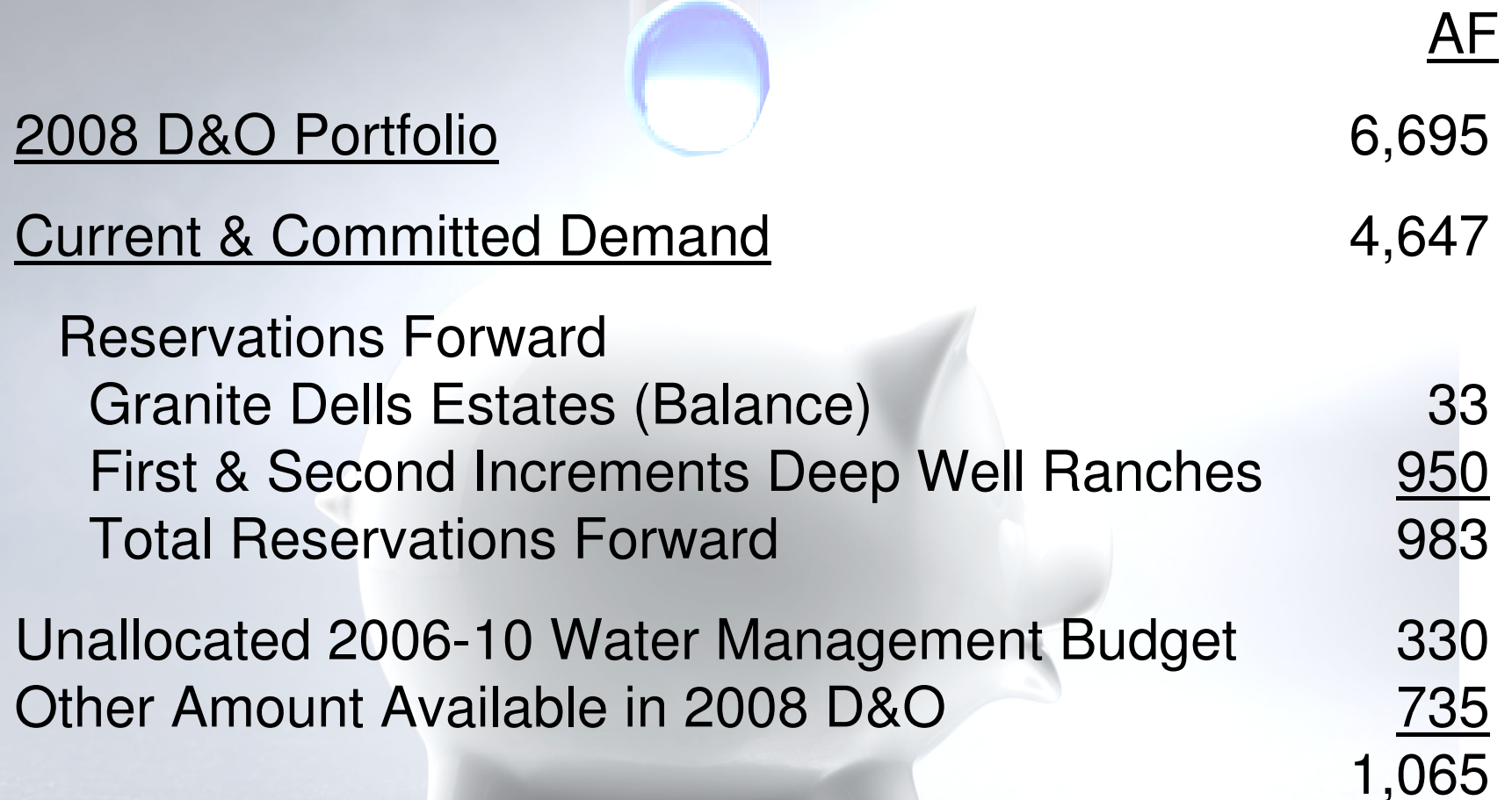
Current & Committed Demand



Alternate Water in the City's Portfolio Available for Allocation

	<u>AF</u>
<u>2005 D&O Portfolio</u>	5,595
<u>Current & Committed Demand</u>	4,647
Reservations Forward	
Granite Dells Estates (Balance)	33
First Increment Deep Well Ranches	<u>450</u>
Total Reservations Forward	483
<u>Quantity Remaining from 2005 D&O</u>	
Unallocated 2006-10 Water Management Budget	330
Other Amount Available in 2005 D&O	<u>135</u>
	465

Alternate Water Projected to be Available for Allocation (2008 D&O)



	<u>AF</u>
<u>2008 D&O Portfolio</u>	6,695
<u>Current & Committed Demand</u>	4,647
Reservations Forward	
Granite Dells Estates (Balance)	33
First & Second Increments Deep Well Ranches	<u>950</u>
Total Reservations Forward	983
Unallocated 2006-10 Water Management Budget	330
Other Amount Available in 2008 D&O	<u>735</u>
	1,065

Conservation Reduction

Water Pumped

2002

2007

2009 (projected)

AF

8,214

8,396

7,027



Reduction

- 14% reduction since 2002
- 16% reduction since 2007
(year highest quantity pumped)

Additional Conservation Indicators

2002-2008

Usage per residential unit	-21%
Number of residential units	+15%

2003-2009

Single-family water customers averaging > 20,000 gallons per month	-74%
Single-family water customers averaging <u>≤</u> 3,000 gallons per month	+76%



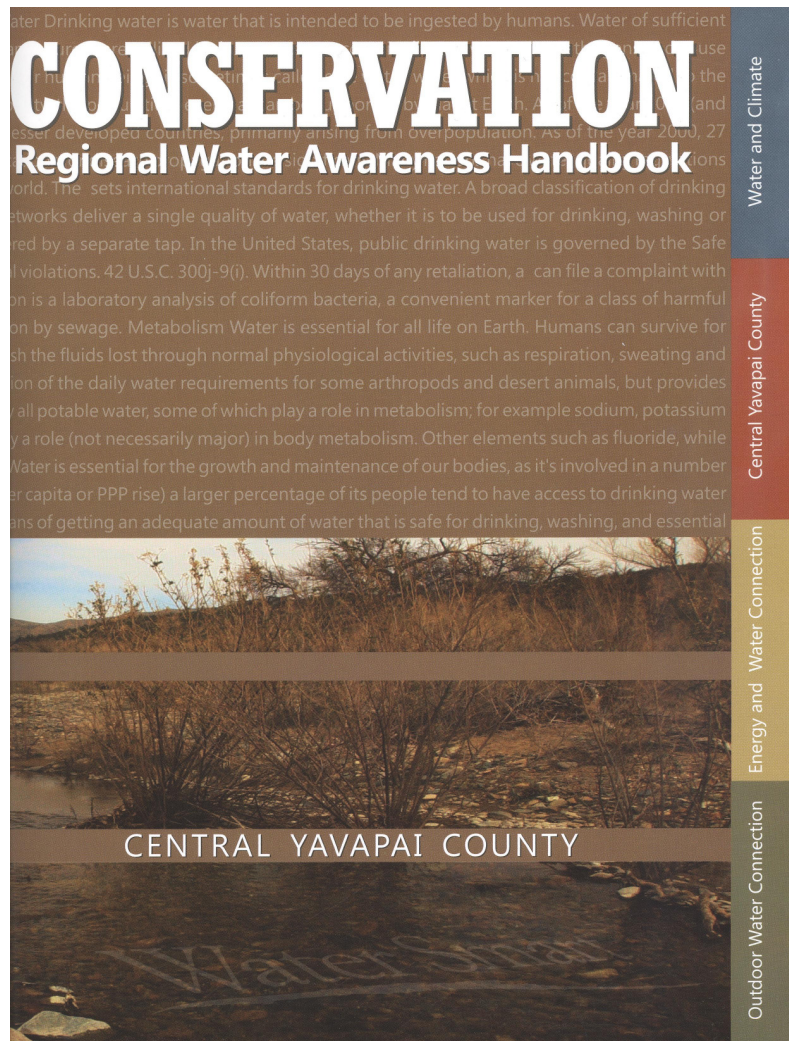
Conservation Incentives

(Program revised 2006/updated 2009)

Number of incentives processed	1,800
Estimated cumulative savings to date	226 AF
Cost of incentives to date	\$310,239
Cost per acre-foot (\$/AF)	\$1,375



Regional Conservation Initiatives



Regional Water Awareness Handbook

- Created by Prescott's Water Conservation Coordinator
- Funded through U.S. Bureau of Reclamation grant
- Available to the public through UVRWPC members

Regional WaterSmart Campaign

- WaterSmart cards revised for a more regional impact
- Distributed through UVRWPC members in 31 locations
- Partnership with local landscape industry and others to develop

Water Smart™

The logo for Water Smart features the words "Water Smart" in a black serif font. A blue, wavy line is positioned below the text, starting under "Water" and extending under "Smart", ending with a small blue dot.

Upcoming Policy Items to Address

- Formulation of Long-Term Water Management Policy
- Effects of conservation (revenue reduction) on funding available for infrastructure capital projects
- Prohibition of new wells on properties inside City for which City water service is available

