

<b>COUNCIL AGENDA MEMO – March 26, 2013</b>
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<b>DEPARTMENT:</b> City Manager (Water Resources)
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<b>AGENDA ITEM:</b> 2012 Annual Water Withdrawal and Use Reports and approval of payment of fees in the amount of \$11,786.74 to the Arizona Department of Water Resources
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<b>Approved By:</b>	<b>Date:</b>
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<b>City Manager:</b>	Craig McConnell	
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	3-18-13
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### Item Summary

Several annual reports for Calendar Year 2012 are required to be submitted to the Arizona Department of Water Resources (ADWR) by March 31, 2013. These include the Annual Withdrawal and Use Report, Assured Water Supply Provider Supplement, Recovery Well Reports, and Underground Water Storage Report.

Water users who pump groundwater from non-exempt wells in Active Management Areas must report withdrawals annually to ADWR. This information enables ADWR to determine how much and where water is being used.

Users are also required to pay annual fees for groundwater withdrawal and recovery of long term storage credits. The fees are used to offset the cost of managing these resources, and to fund augmentation projects and conservation efforts. The 2012 fees payable by the City of Prescott total \$11,786.74.

### Budget

Funding is available for payment in the amount of \$11,786.74 from the Water Fund (Production – Licenses and Permits).

### Attachments

- City of Prescott Annual Water Withdrawal and Use Report Calendar Year 2012
- ADWR 2012 Provider Summary, Page 1 only

<b>Recommended Action:</b> MOVE to approve the payment of fees in the total amount of \$11,786.74 to the Arizona Department of Water Resources for 2012 Annual Water Withdrawal and Use.
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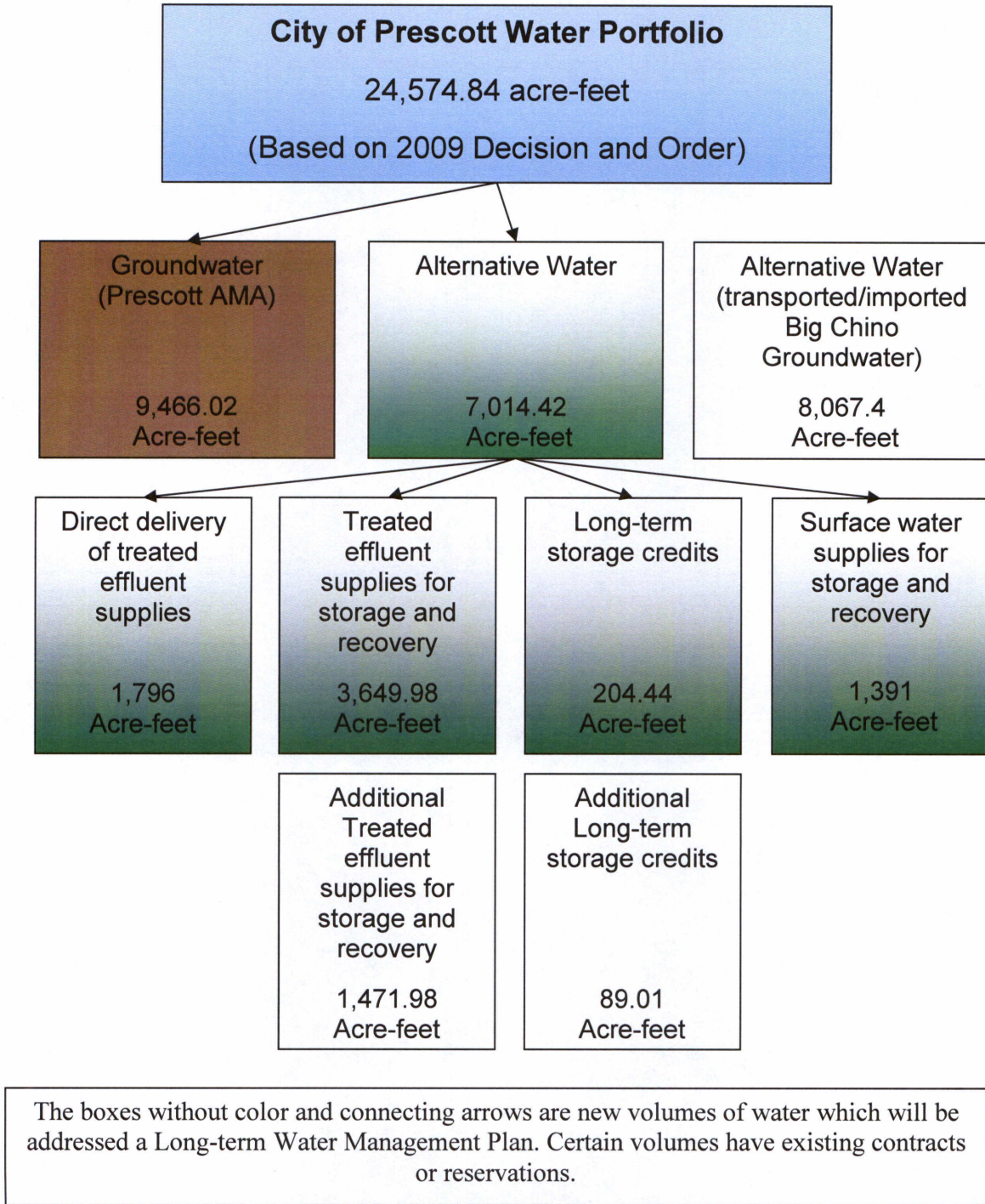
# ANNUAL WATER WITHDRAWAL and USE REPORT

Calendar Year 2012



# Resource: The Water Portfolio

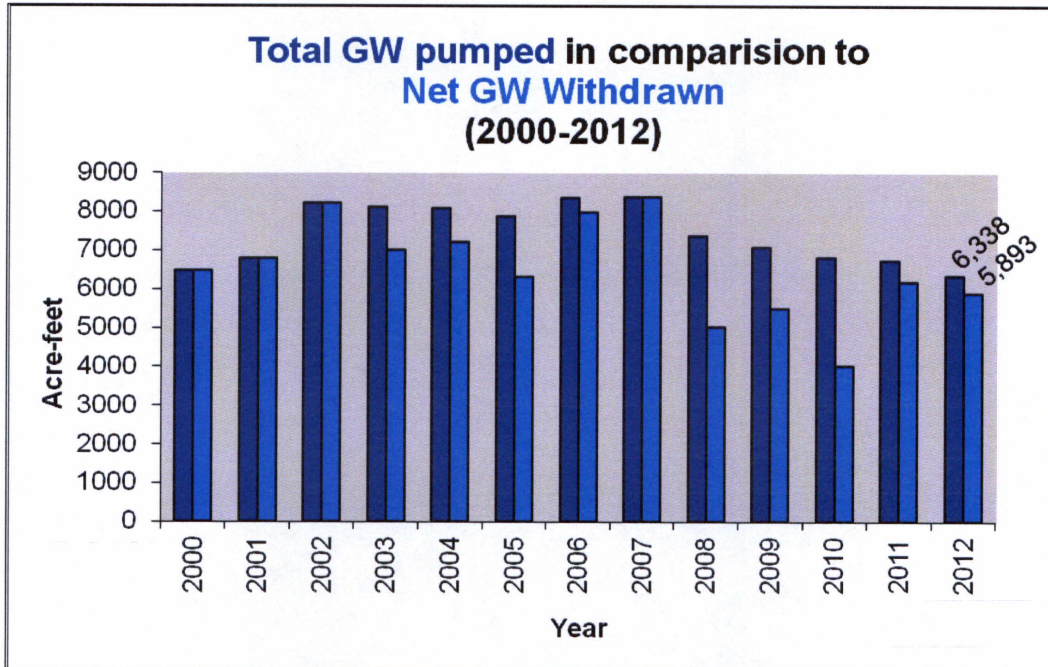
**Figure 1**



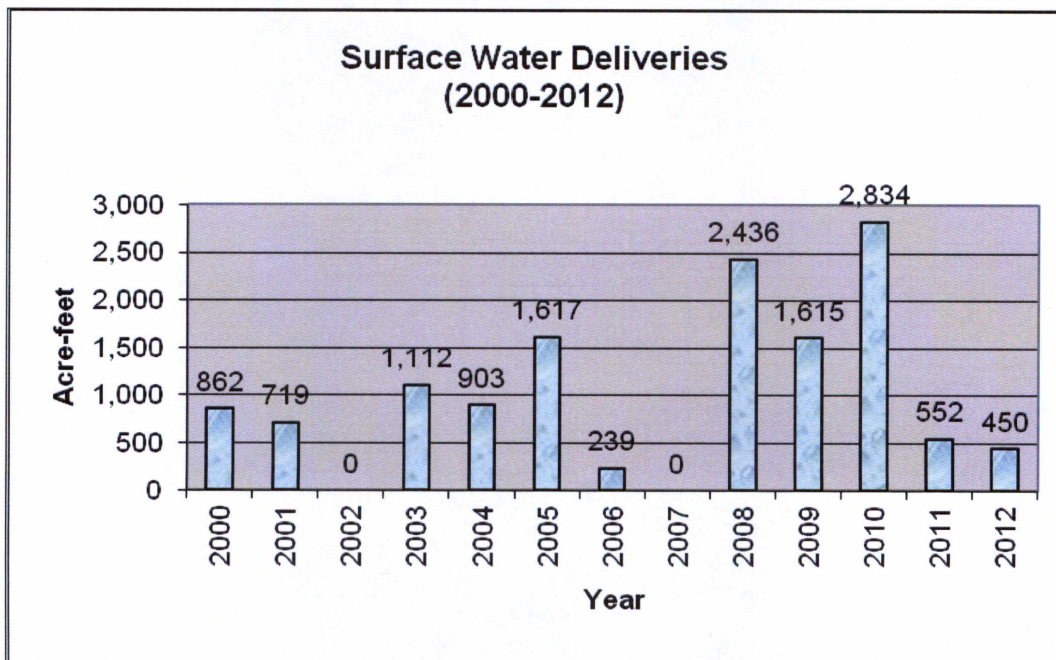
1 Acre-foot = 325,851 gallons

# Demand: 2012 Water Withdrawal and Use

**Figure 2**



**Figure 3**



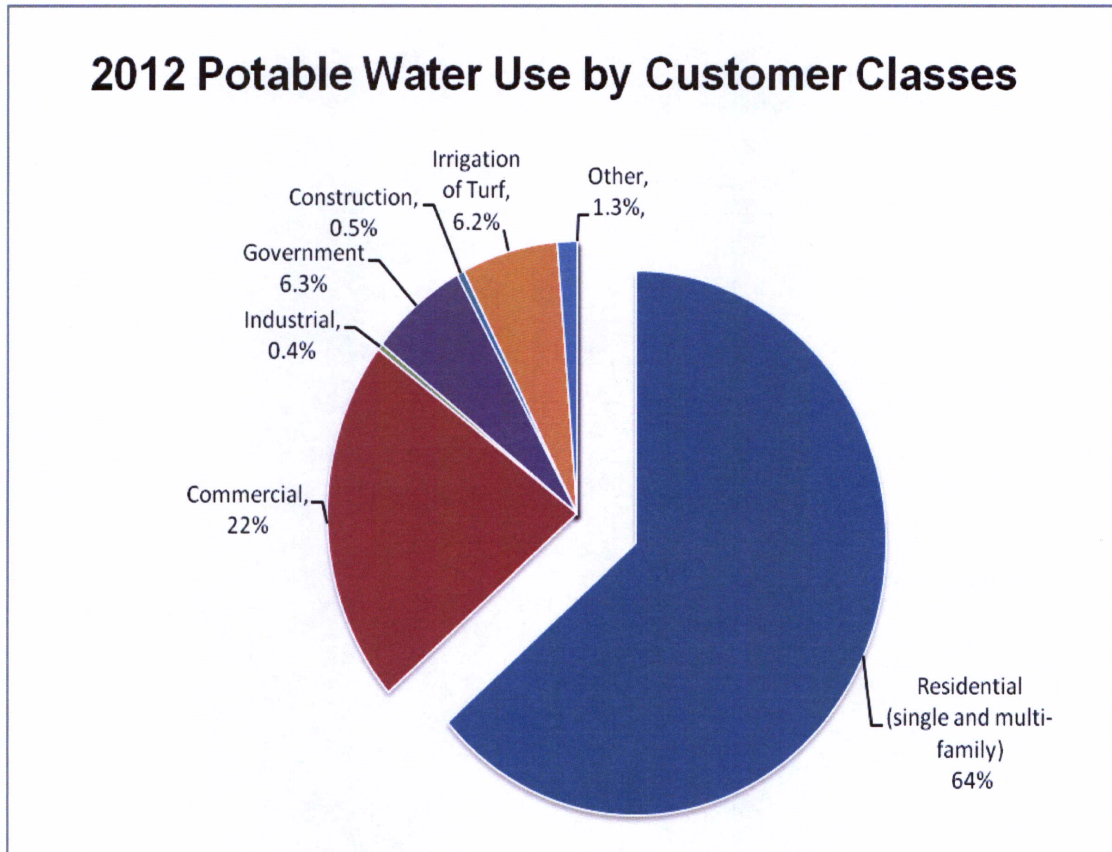
**Table 1**

<b>2012 Total Treated Effluent Recharge and Direct Delivery: 3,873 acre-feet</b>	
<u>Place of Use</u>	<u>Volume (acre-feet)</u>
Airport WRF deliveries to the Recharge Facility	715
Sundog WWTP deliveries to the Recharge Facility	1,631
<b>Total Volume to Recharge</b>	<b>2,346</b>
Direct delivery to Antelope Hills Golf Course	792
Direct delivery to Prescott Lakes Golf Course	432
Direct delivery to Hassayampa Golf Course	250
Direct delivery to Hanson	53
<b>Total Volume to direct delivery</b>	<b>1,527</b>

**Table 2**

<b>2012 Current &amp; Committed Demand (acre-feet)</b>	
<b>Groundwater</b>	
Current Demand (2000-2012 avg)	7,442
Pre-1998 Unbuilt Final Plats	1,159
Pre-1998 Preliminary Plats	1,234
<b>Total Current &amp; Committed Groundwater Demand: 9,835</b>	
<b>Alternative (Alt) Water</b>	
<b>Total Current &amp; Committed Alt Water</b> Treated effluent storage and recovery, direct use, reservations, long-term storage credits and surface water	<b>4,897</b>
<b>Unallocated 1999-2012 Water Mgt Budget</b>	<b>467</b>
<b>Unallocated 2009 D&amp;O Alt Water</b> 1,471 AF – 500 AF Deep Well 2 settlement – 234 AF State Land reservation	<b>738</b>
<b>Unallocated 2009 D&amp;O Alt (transport) Water</b> 8067 AF – 3,702 Prescott Valley portion – 900 AF Deep Well 3 settlement	<b>3,465</b>

**Figure 4**



Effective September 2009, the City has been regulated under the state's "Modified Non-Per Capita Conservation Program". Each year the City must implement a public education program and five additional water conservation measures (Best Management Practices), and file a "Conservation Efforts Report".

**Table 3**

<b>Best Management Practice</b>	<b>2012 Activities and Results</b>
<b>Local and/or Regional Messaging</b>	Continued strong communication program through: <ul style="list-style-type: none"> <li>▪ Water Smart racks (9 locations –18 cards, Conservation Handbook, and other water related materials)</li> <li>▪ Monthly billing inserts with seasonally appropriate topics</li> <li>▪ Radio commercials (60 second and 30 second announcements)</li> <li>▪ Participation and/or sponsorship at community education venues including Earth Day, Highland Center's native plant sale, and Yavapai County Contractors Association 2011 Home and Garden show</li> <li>▪ City Conservation webpage</li> </ul>
<b>Youth Conservation Education Program</b>	<ul style="list-style-type: none"> <li>▪ Interactive water education display continues to be on display at the SPOT a Children's Museum located in the Mall.</li> <li>▪ The regional water groups (YCWAC and UVRWPC) are funding partners with the City supporting Arizona Project WET and Wild over Water Programs</li> <li>▪ Yearly water conservation content in the Prescott Public Library Viewery</li> <li>▪ Water Conservation Coordinator is a certified Arizona Project WET facilitator and docents classroom events</li> </ul>
<b>Residential Interior Retrofit Programs</b>	The City's incentive program to replace high water use interior plumbing fixtures with low and/or high-efficiency fixtures has had consistent participation by customers <ul style="list-style-type: none"> <li>▪ Lower participation in FY13</li> <li>▪ Replacement of toilets alone has resulted in a cumulative savings of 164 acre-feet (FY06 to date)</li> <li>▪ Toilet replacement and turf removal continue to be the most popular credits processed, and rainwater harvesting systems continuing to gain interest</li> </ul>
<b>Landscape Water Restrictions</b>	Time of Day-Outdoor Watering Restrictions, City Code 3-10-14 (effective April 15 to November 1) limits outdoor watering with sprinkler systems between the hours of 8pm and 8am
<b>Incentives (Outdoor) – Landscape Conservation Rebate/Incentive</b>	The incentive for turf removal has been one of the most effective in terms of total water saved to date – a cumulative amount of 202 acre-feet/year since 2006 by removing 413,618 sq. ft. There have been 296 applicants and contractors involved.
<b>Public Education – Outdoor Landscaping</b>	In 2012 the City made <i>Prescott Water Smart Outdoor Living</i> , an interactive web application available. It provides both the private homeowner and the landscaping trade a tool to view low water plant materials, analyze and create watering zones, and develop landscaping plans that are both pleasing and low water use.

Overall the incentive program water savings (FY 2006 to date) = 610 acre-feet. In FY12, 171 applications were processed resulting in the installation of 119 water smart products.

**Table 4**

<b>Summary of 2012 Water Withdrawals (acre-feet) and associated fees</b>	
Water pumped by City Wells	6,758.39
Surface Water Storage and Recovery	444.51
Treated effluent recovery	420.51
<b>Net Groundwater Withdrawal</b>	<b>5893.37</b>

Volume (acre-feet)	Fee	Result
5893.37	\$2/acre-foot	\$11,786.74
<b>Total 2011 Withdrawal and Use Fee</b>		<b>\$11,786.74</b>

Last year the City paid \$12,443.10 in fees.



# ANNUAL WATER WITHDRAWAL AND USE REPORT PROVIDER SUMMARY 2012

OWNER OF GROUNDWATER RIGHT

CITY OF PRESCOTT  
ATTN: LESLIE GRASER  
P.O. BOX 2059  
PRESCOTT AZ 86302

**TYPE OF RIGHT**  
LARGE MUNICIPAL PROVIDER MNPPCCP

**RIGHT / PERMIT NO.**  
56-003017.0000

REPORTING PARTY  
56-003017.0000  
CITY OF PRESCOTT  
ATTN: LESLIE GRASER  
P.O. BOX 2059  
PRESCOTT AZ 86302



PRESCOTT AMA (602) 771-8585

If any of the information preprinted on this report is incorrect, please make the necessary changes.

### PART I GROUNDWATER WITHDRAWN

From Box 14, Schedule A attached

5893.37 X \$ 2.00 = \$ 11,786.74

ACRE - FEET X Withdrawal Fee =

### PART II WATER DELIVERED TO OTHER RIGHTS

From Box 24 Schedule D attached

33.08 ACRE - FEET

### PART III WATER RECEIVED FROM OTHER RIGHTS

Total from Schedule E attached

0 ACRE - FEET

### PART IV LATE FEES

Complete if filing after March 31. NOTE: A portion of a month after March 31 is counted as a full month.

0

1) Enter number of months late  
(Maximum of 6)

\$ 0

2) Calculate Late Report Fee  
(\$25.00 X number of months late)

\$ 0

3) Calculate Late Payment Fee  
(10 % X number of months late X  
withdrawal fee calculated in Part I)

### PART V TOTAL FEES DUE

Add amounts from Parts I and IV

\$ 11,786.74

Mail or hand deliver this report, together with the appropriate schedules, worksheets and fees to the Arizona Department of Water Resources. If mailed, the report must be postmarked no later than March 31, 2013. If hand delivered, the report must be received by the Department's Annual Reports & Planning Section no later than 5:00 PM on March 31, 2013.

REPORTS FILED AFTER MARCH 31, 2013 ARE SUBJECT TO LATE FEES (A.R.S. § 45-632 ) AND PAYMENT OF PREVIOUSLY WAIVED MONETARY PENALTIES ASSOCIATED WITH PRIOR GROUNDWATER CODE VIOLATIONS.

I hereby certify, under penalty of perjury, that the information contained in this report is, to the best of my knowledge and belief, true, correct and complete.

X Leslie Graser Water Resource Specialist 3/15/13  
 AUTHORIZED SIGNATURE TITLE DATE  
Leslie Graser (928) 777-1144  
 PRINTED NAME TELEPHONE NUMBER

NOTE: THIS REPORT MUST BE FILED EVEN IF NO WATER WAS DELIVERED PURSUANT TO THIS RIGHT.