ARIZONA DEPARTMENT OF WATER RESOURCES
Statewide Water Conservation and Strategic Planning Division
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Jan Brewer
Governor

Herbert R. Guenther
Director

November 23, 2009

Dear Water Provider,

Thank you to those water providers who submitted a 2008 CWS Annual Water Use Report to the Arizona Department of Water Resources Community Water System Program (Drought Program). Based on the first three years of reported annual water use data, the Community Water System Program is excited to provide you with the enclosed summary of both your water use and the water use in your region (groundwater basin). The information provided each year is helpful for planning purposes and will enable the State to provide better regional assistance.

This summary includes reporting information for 2006-2008. You will see a NF (Not Filed) if a system did not report for a particular year. Regional information is provided based on your system's groundwater basin, which is displayed in grey on the next page. Please note that all water demand data are displayed in acre-feet (af). If there are errors in the data listed here for your system, please let us know.

Short and long-term drought conditions have rapidly worsened this past year. During the 2009 water year, precipitation was below 70% of average for most of the state. Nearly half of the state is currently in severe drought. The most recent Drought Monitor Report is attached and available online at http://www.azwater.gov/AzDWR/ StatewidePlanning/Drought/ DroughtStatus.htm. These monthly reports serve as an informational resource and planning tool for water managers. Proper planning for drought can greatly reduce its impacts on our natural resources, our economy, our quality of life and ability to provide water. Current drought conditions make it more important than ever for you to both implement and review your system's drought and conservation plans to ensure they are adequate. Also, consider reporting any observed drought impacts to Arizona DroughtWatch (online impact reporting system at http://azdroughtwatch.org). Your impact observations are critical to characterizing and monitoring changes in drought conditions across Arizona.

If you have any questions about this report and/or your reported water demand, please contact us at ecws@azwater.gov or 520-770-3809. This is our first year providing this annual demand summary. Therefore, we would especially like to hear your suggestions about what data you would like to see summarized, both for your individual system and for your region.

Sincerely,

Kelly Mott Lacroix, Manager
Community Water System Program

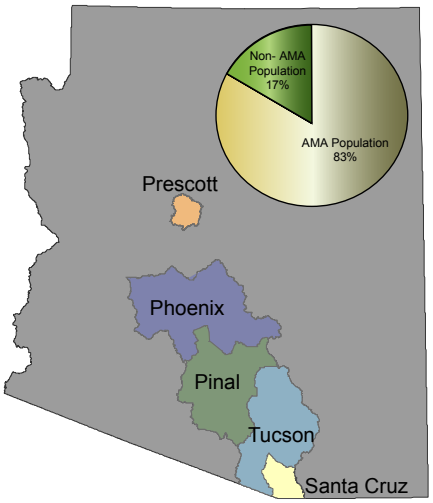
ADWR is required by statute to provide a notice of noncompliance to local governing bodies in your area. Any community water systems that:

1) did not file a 2008 CWS Annual Water Use Report, or
2) do not have a system water plan that meets requirements

will be included in the notification if we do not receive the required information by December 15, 2009. If you have any questions regarding these requirements, please contact us.

2008 Annual Water Use Reporting Summary

For community water systems not regulated by Active Management Area programs



Arizona Active Management Areas and Population Served

Scope of water use represented

This summary includes data reported by community water systems located outside the state's active management areas (AMAs).* **Community water systems** are drinking water providers that serve 15 or more connections, or 25 or more people. Many of these providers also serve non-residential water users in addition to their residential customers.

Most community water systems located within the AMAs report to their respective AMA programs, and are not included in these filing statistics. The state's largest metropolitan areas lie within the AMAs.

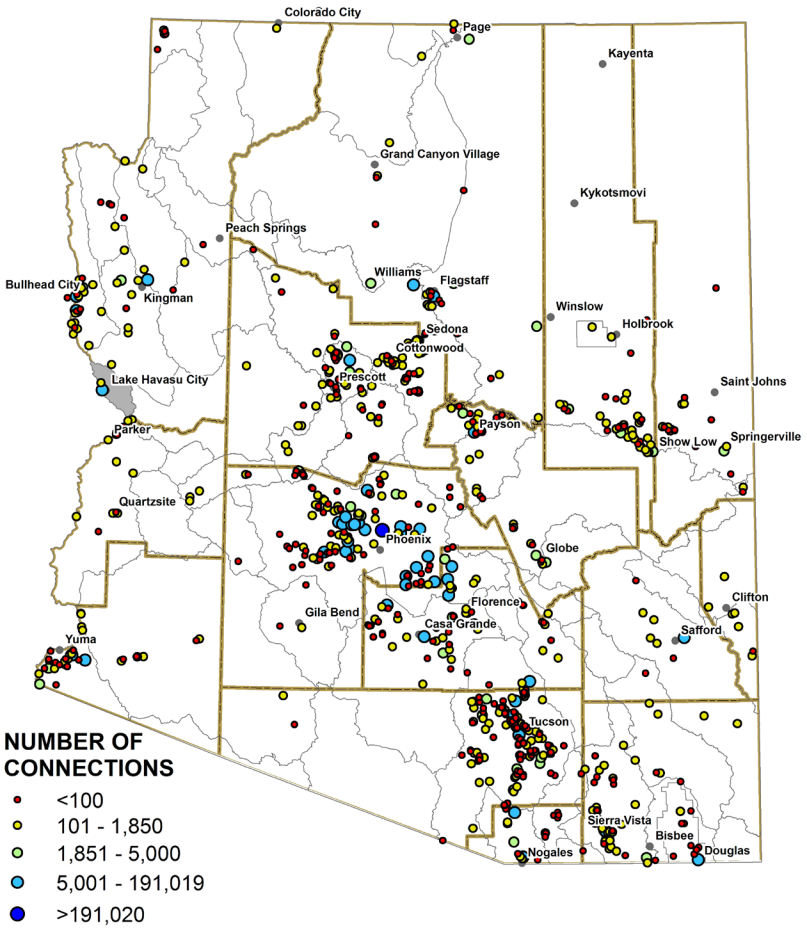
Although the population served outside the AMAs is smaller than within, there are a greater number of community water systems outside the AMAs.

Population Served and Community Water Systems in Arizona in 2008

	Outside AMAs	Inside AMAs
Community Water Systems	507	293
Population Served	1,014,700	5,079,800

Community Water Systems in Arizona by Number of Connections in 2008

(Your groundwater basin is shown in grey)



Statewide 367 community water systems not regulated by the AMAs, reported water use in 2008. This represents **92%** of the total population served outside of the AMAs*.

In the **Lake Havasu Basin**, all four community water systems reported annual water demand in 2008. Of the reporting systems:

- 9,305.05 af were delivered to single family residences,
- 1,070 af to multi-family,
- 1,552.03 af to nonresidential
- 1,672.05 af to turf and
- 1,322.29 af to other nonresidential uses including other water systems.

*There are a few (91) small systems within the AMAs that use exempt wells and therefore do not have a service area right. These systems, although in an AMA, fall under the purview of ADWR's Community Water System Program.

Annual Water Demand for Community Water Systems in the Lake Havasu Basin in Acre-Feet[1]

Facility	2006	2007	2008
ARIZONA AMERICAN (HAVASU WATER)	795	902	881
HAVASU HEIGHTS DWID	57	65	57.5
HORIZON SIX IMPROV DIST	NF	85	82.2
LAKE HAVASU, CITY OF	14,534	15,849	16,379
TOTAL WATER DEMAND	**15,386**	**16,901**	**17,400**

[1] Includes water pumped from wells or diverted from streams. Does not include effluent reuse.
NF = Not Filed

Annual Gallons per Capita per Day (GPCD) for Community Water Systems in the Lake Havasu Basin[1]

Facility	2006	2007	2008
ARIZONA AMERICAN (HAVASU WATER)	173	196	192
LAKE HAVASU, CITY OF	238	259	268
HAVASU HEIGHTS DWID	136	155	137
HORIZON SIX IMPROV DIST	NF	136	131

[1] Based on water pumped from wells or diverted from streams. Does not include effluent reuse. GPCD is calculated by dividing annual demand (in gallons) by 365 and by the population served by the system.
NF = Not Filed

Is there a NF (Not Filed) for your community water system?

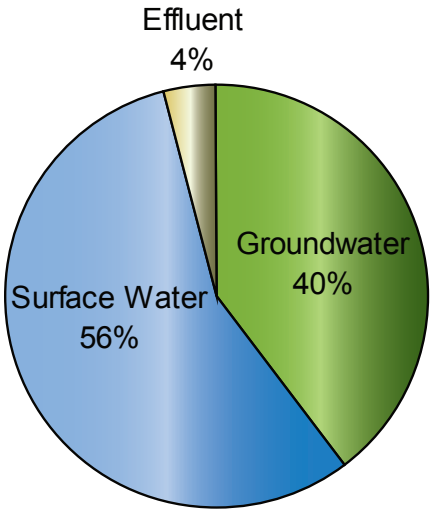
Every year ADWR is required to provide notice of noncompliance for the systems that have not filed an annual water use report for that year or have not submitted a system water plan that meets requirements to those systems' local governing bodies (cities, towns and counties located within their service area).

One of the reasons we are sending this summary to you is to ensure that our records are correct ***before*** *we send out the noncompliance notice for 2008. If there are errors in this report, or you need assistance with filing an annual report or system water plan, please contact Kelly Mott Lacroix at 520-770-3809 or send an e-mail to ecws@azwater.gov; we will be happy to help!*

Water Reuse

In your basin 3,371 af of effluent was generated by community water systems and 3,214 af was reused in 2008.

Statewide, approximately 264,000 af of effluent is reused or stored underground in Arizona each year, meeting 4% of Arizona's total water demand.*



Typical Statewide Water Demand by Water Type

*Statewide effluent use and demand by water type are from 2006, the most recent year for which statewide demand is available.

Metering Water Demand

In the Lake Havasu Basin **100%** of reporting community water systems metered demand in 2008. Statewide, 76% of the systems outside of the AMAs metered water use.

To ensure effective water-resource planning, water providers and planners must have a clear understanding of water-use practices.

The best way to measure water use, including the amount produced (supply/demand) and amount delivered (use), is with water meters.

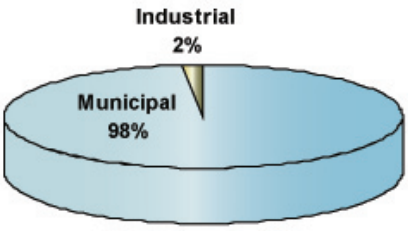
Metering is considered a good practice in water supply management because it encourages:

- Accurate accounting of water produced and delivered
- Calculation of unaccounted-for or lost water
- Enhanced detection of leaks and waterline breaks
- Charging for water based on actual use
- Identification of high water users who may need assistance in reducing overall water use
- Monitoring water system efficiency and potentially postponing the need for system expansion

Water Use in Your Area 2001-2006

(Based on data from the Arizona Water Atlas)

Average annual water demand in the Lake Havasu Basin was 19,200 acre-feet between 2001-2006 including:
18,900 af of Municipal Demand
300 af of Industrial Demand
0 af of Agricultural Demand



Of this approximately 16,500 af was groundwater demand, 300 af was surface water demand and approximately 2,400 af was effluent demand

*Total **statewide** demand during 2001-2006 on average was 6.92 million acre-feet*

*Municipal demand includes estimated demand from exempt wells as well as community water systems.

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ADWR encourages you to report drought impacts on AZDroughtWatch.org. See the enclosed insert for more information and start reporting today.