

GUAC

Phoenix AMA

September 13, 2012

GUAC

Preliminary DRAFT 4MP
Total GPCD Program

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- The director will include two regulatory programs for Large Municipal Providers in the 4MP
 - a *non per capita conservation program* which requires the implementation of water conservation measures
 - a *per capita conservation program* with a GPCD requirement or target for municipal providers who are not regulated under the non-per capita program

Who Will be in the Total GPCD?

- Large municipal providers who hold a DAWS will initially be noticed under the Total GPCD Program for the 4MP
- Large municipal providers who do NOT have a DAWS will only be eligible for the NPCCP

DAWS Providers Opting into the NPCCP

- After the initial notice of conservation requirements is received a DAWS provider may opt into the NPCCP
- DAWS providers opting into the NPCCP will be required to submit an updated provider profile within a certain number of days after requesting regulation under the NPCCP

The 4MP GPCD Program

- The component method will not be used in the 4MP
- Instead, a single, unchanging GPCD target will be assigned each DAWS provider
- This target will be effective from the first compliance date of the 4MP until the first compliance date of any substitute requirement in the 5MP

Why the Change?

- Component method is administratively cumbersome
- Difficult for providers to know what their targets are
- More streamlined program will allow ADWR to focus its staff time and efforts on finding solutions to water management problems

The 4MP GPCD Program

- The draft program does not include any changes to municipal flexibility account provisions (max credit and debit limits from 3MP)
- The draft program does not include any changes to water supplies exempted from the compliance calculation (spill water, direct use reclaimed water, reclaimed water recovered within the AOI)

The 4MP GPCD Program

- The draft target calculation method uses statistical analysis of 2000-2009 water demand
- The “base target” would be the 2000-2009 median GPCD minus one standard deviation
- The base target would not be set lower than a minimum value

The 4MP GPCD Program

- The minimum target would be calculated based on:
 - The 3MP new SF model
 - The provider's 3MP non-residential component
 - 10% lost and unaccounted for water

Additional Conservation

- The target is assumed to be the lowest GPCD rate the provider can reasonably achieve, however:
 - Recent studies indicate that residential GPCD rates lower than the 3MP models can be achieved
 - Many providers have averaged non-residential GPCD rates much lower than their non-residential component targets between 2000-2009
 - Many providers have lost and unaccounted for water percentages much lower than 10%

Population

- Annual Population Estimates
 - 2010 US Census base
 - Housing units added since 2010 x persons per occupied housing unit
 - Occupied housing units by unit type and persons per housing unit by unit type are from the U.S. Census American Community Survey (ACS)
 - ACS sample data is at the tract level, using tracts that most closely correspond to the provider's service area (water lines) boundary

GPCD Requirements for DAWWS Providers

Provider	2000-2009 Median GPCD	Median Minus 1 Standard Deviation	Minimum GPCD
City of Avondale	154	121	133
City of Chandler	237	217	142
Chaparral City Water Company	259	240	179
City of El Mirage	159	140	127
Town of Gilbert	247	223	134
City of Glendale	199	191	141
City of Goodyear	195	182	137
City of Mesa	194	184	156
Apache Junction Water Utilities CFD	108	104	178
City of Peoria	186	173	147
City of Phoenix	201	183	144
City of Scottsdale	366	354	175
City of Tempe	305	278	152
City of Surprise	160	131	135
Johnson Utilities - Phoenix	225	162	139