

# 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?

- Base program for large municipal providers who hold a DAWS is the Total GPCD Program
- Large municipal providers who do NOT have a DAWS will only be eligible for the NPCCP

# DAWS Providers Opting into the NPCCP

- A DAWS provider may opt into the NPCCP
- DAWS providers opting into the NPCCP will be required to submit a 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, unless the provider opts into the NPCCP

# 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 total water demand, including all sources of supply used by the provider
- 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%

# The 4MP GPCD Program Compliance

- Each year, as with the current 3MP program, “actual GPCD” will be compared to the target GPCD and flex account balances adjusted
- Actual GPCD = total water demand excluding those supplies exempted from the compliance calculation – spill, direct use effluent, effluent recovered within the AOI, divided by the annual service area population

# 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 Nogales	188	177	188
Baca Float Water Company	NA	NA	NA
Sopori DWID (North)	NA	NA	NA
Tubac Water Company	NA	NA	NA