

ARIZONA MUNICIPAL WATER USERS ASSOCIATION

Proposed Aquifer Management Goals & Concepts
July 3, 2013



AMWUA'S GOALS

- ◆ Protect groundwater that is relied upon by existing users and stored water from interference by others
- ◆ Address localized groundwater level declines
- ◆ Protect existing investments in water supply, treatment and distribution facilities
- ◆ Strive for policies based on sound science
- ◆ Ensure that all water users share in the responsibility of achieving safe-yield
- ◆ Establish a program that can be administered by ADWR and allow for timely reporting of storage account balances

ORGANIZING PRINCIPLES OF CONCEPTS

- ◆ Apply only to the Phoenix AMA
- ◆ “Cut to the aquifer” occurs when the water is recovered
- ◆ Uses sub-basin boundaries for determining the amount of the cut to the aquifer
- ◆ Applies to all persons storing and recovering water and to CAGRDR replenishment
- ◆ Allows ADWR to establish “Special Enhancement Areas” (SEAs) where recharge and replenishment would be encouraged

Phoenix AMA 07/03/13

Recharge/Recovery	Storage & Recovery Outside SEA*		Water Stored at a CUSF Within a SEA**	Water Stored Outside a SEA and Recovered Within a SEA
	Location	Effluent	Other Water Types	All Water Types
Recovery in the same sub-basin	<ul style="list-style-type: none"> • 100% if CUSF or GSF • 50% if MUSF 	<ul style="list-style-type: none"> • 95% of LTSC if CUSF or GSF • 100% of AS&R if CUSF, MUSF or GSF 	<ul style="list-style-type: none"> • 115% of LTSC or AS&R if recovered outside SEA • 100% of AS&R if recovered within SEA • 95% of LTSC if recovered within SEA 	<ul style="list-style-type: none"> • 80% of LTSC or AS&R
Recovery not in the same sub-basin	<ul style="list-style-type: none"> • 80% if CUSF or GSF • 50% if MUSF 	<ul style="list-style-type: none"> • 80% of LTSC if CUSF or GSF • 80% of AS&R if CUSF, MUSF or GSF 	<ul style="list-style-type: none"> • 80% of LTSC or AS&R 	<ul style="list-style-type: none"> • 80% of LTSC or AS&R

Replenishment	Replenishment at CUSF or GSF Outside SEA*	Replenishment at CUSF Within a SEA**
	Location	All Water Types
Excess Groundwater Pumped In the Same Sub-basin of Replenishment	<ul style="list-style-type: none"> • 100% if Pumping was not in SEA • 120% if Pumping was in SEA 	<ul style="list-style-type: none"> • 85% if Pumping was not in SEA • 100% if Pumping was in SEA
Excess Groundwater Pumped Outside the Sub-basin of Replenishment	<ul style="list-style-type: none"> • 120% for all Pumping 	<ul style="list-style-type: none"> • 120% for all Pumping

Acronyms:

- SEA**- Special Enhancement Area
- CUSF**-Constructed Underground Storage Facility
- MUSF**-Managed Underground Storage Facility
- GSF**-Groundwater Savings Facility
- LTSC**- Long Term Storage Credit
- AS&R**-Annual Storage and Recovery

NOTES: CAGR's use of long-term storage credits in the replenishment reserve account to meet replenishment obligations will be treated as if CAGR had replenished the water if the credits were accrued after the effective date of these concepts. Long-term storage credits accrued prior to the effective date of these concepts are exempt.

* For purposes of this concept, because the Agua Fria Underground Storage Facility stores water in both the Lake Pleasant and West Salt River Valley sub-basins, these sub-basins will be deemed to be one sub-basin for recovery of water stored at the Agua Fria Underground Storage Facility.

** It is assumed that there will be no managed underground storage facilities or groundwater savings facilities in a SEA.