2018 Plan of Operation

Arizona Water Banking Authority November 30, 2017

2017 Plan of Operation Water Storage

- Projected year-end water deliveries 17,630 AF
 - Phoenix AMA 4,130 AF
 - Pinal AMA 11,400 AF
 - Tucson AMA 2,100 AF
- No Interstate storage

2017 Plan of Operation Supplemental Credits

- Firming credits developed under IGA with the Gila
 River Indian Community 7,000 AF
- Purchased Long-term Storage Credits
 - Phoenix AMA 59,082 AF
 - Tucson AMA 14,095 AF

AWBA Developed Credits 1997-2017

(Acre-Feet)

Funding Source	Phoenix AMA	Pinal AMA	Tucson AMA	Total
Withdrawal Fees	370,904	427,019	108,622	906,544
Ad valorem Tax (4¢)	1,478,641	221,025	473,002	2,172,668
General Fund	42,316	306,968	54,546	403,830
Indian Settlement Approp.	-	-	28,481	28,481
Shortage Reparation	20,642	60,507	28,340	109,489
Pinal Redirect (costs paid 100% by GSF)	-	14,125	-	14,125
SUBTOTAL	1,912,502	1,029,644	692,991	3,635,137
Interstate - Nevada	51,009	440,241	109,791	601,041
TOTAL	1,963,511	1,469,885	802,782	4,236,179

Long-term storage credits estimated for 2017.

2018 Plan of Operation

Three main components to consider...

- Water Availability
- Funding
- Storage Facility Capacity

Plus an Interstate component

Water Availability

- CAWCD Policy for Distributing Excess CAP Water
 - Statutory Firming Pool
 - Volume determined annually
 - 43,000 AF available to pool in 2018
 - AWBA share of pool 38,000 AF
- Nevada's unused apportionment 13,500 AF

2018 Funding Sources

- Withdrawal fees collected in Phoenix, Pinal and Tucson AMAs (\$2.50/AF)
- 4¢ ad valorem tax
 - Levied by CAWCD in Maricopa, Pinal, and Pima Counties
 - Only ½ of revenues made available for AWBA
 - Used to offset AWBA water storage and delivery costs
 - Reserved by CAWCD Board for potential long-term storage credit purchases
- Revenues from Nevada

Storage Facility Capacity

- Discussions with storage facility operators on storage opportunities
- Maximized available GSF storage capacity
 - Pinal AMA storage limited to available funding
- Additional USF storage capacity available if needed but limited

2018 Water Delivery Schedule (AF) - AZ

AMA	Recharge Sites		Delivery Amount
		Agua Fria	5,000
xir	USF	Hieroglyphic Mountain	7,011
Phoenix GSF		Superstition Mountains	8,687
Ph	GSF	Tonopah ID	1,402
		Subtotal	22,100
Pinal GSF	Central Arizona IDD	2,700	
	GSF	Hohokam IDD	2,700
	Maricopa-Stanfield IDD	2,700	
		Subtotal	8,100
LICE		Lower Santa Cruz	6,300
USF USF	Pima Mine Road	500	
Tucson	GSF	Cortaro-Marana ID	1,000
		Subtotal	7,800
	TOTAL DELIVERIES		38,000

2018 Water Delivery Schedule (AF) - NV

AMA	Recharge Sites		Delivery Amount
	USF	Agua Fria	2,070
Phoenix GSE		New Magma	3,000
	Queen Creek ID	3,930	
		Tonopah ID	500
		Subtotal	9,500
	USF	Pima Mine Road	2,000
GSF	Cortaro-Marana ID	1,500	
	Kai Farms	500	
		Subtotal	4,000
	TOTAL DELIVERIES		13,500

2018 Water and Facility Rates

Description of Rate	Cost/AF
CAWCD delivery rate to AWBA for water storage	\$205
CAWCD Interstate delivery rate	\$254
Groundwater Savings Facility operator cost share rate	
Phoenix and Pinal AMAs (Intra/Inter)	\$34/\$30
Tucson AMA	\$16
Underground Storage Facility rate paid by AWBA	
CAWCD - Phoenix Facilities	\$13
CAWCD - Tucson Facilities	\$15

Funding for 2018 Annual Plan of Operation

Funding Source	Estimated	Estimated	Estimated C	Credits (AF)
runding source	Available Utilized		Water Storage	Developed
Withdrawal Fees				
Phoenix AMA	\$1,614,000	\$1,614,000	750	9,000
Pinal AMA	\$961,000	\$961,000	5,230	О
Tucson AMA	\$274,000	\$274,000	1,180	О
Ad Valorem Tax (4-cent tax)			
Phoenix AMA	\$8,200,000	\$8,200,000	19,800	15,620
Pinal AMA	\$435,000	\$423,870	2,310	О
Tucson AMA	\$1,500,000	\$1,411,000	6,080	О
Interstate				
Phoenix AMA		\$2,248,000	8,840	
Tucson AMA		1,032,000	3,720	
TOTAL	\$16,264,000	\$16,163,870	47,910	24,620

Projected Goals/Obligations Achieved through 2018

Objective	Goal/Obligation	Credits Accrued (AF)	% Achieved
CAP M&I Firming:			
Maricopa County	1,566,000 AF	1,498,441	96
Pinal County	243,000 AF	223,335	92
Pima County	864,000 AF	479,082	55
On-River M&I Firming:	420,000 AF	403,830	96
Indian Settlements:			
GRIC Firming	15,000 AF/Yr (Est. 350,000 AF)	149,390	43
Future Settlements	8,724 AF/Yr (Est. 200,000 AF)	0	О
Federal Assistance	Contribute \$3,000,000	34,102	100
Southside Repl. Bank	15,000 AF	15,000 (Non-recharge)	100
Groundwater Mgmt:			
Phoenix AMA	-	248,341	
Pinal AMA	-	415,172	
Tucson AMA	-	104,181	
Shortage Reparation:	Expend \$8 ,000,000	109,423	100
Pinal Redirect Credits:	-	14,125	n/a

Projected Interstate Storage through 2018

Interstate	Credits Accrued through 2017 (AF)	Projected Credits Accrued in 2018 (AF)	Total Projected Credits Accrued through 2018 (AF)
Phoenix AMA	51,009	8,840	59,849
Pinal AMA	440,241	-	440,241
Tucson AMA	109,791	3,720	113,511
Total	601,041	12,560	613,601

Public Review and Comment

Groundwater Users Advisory Council Meetings

- Support for 2018 Plan overall
- Pleased with AWBA accomplishments to date
- Questions on recovery planning
- Concerns over continued legislative transfers
- More storage welcome in the Pinal AMA