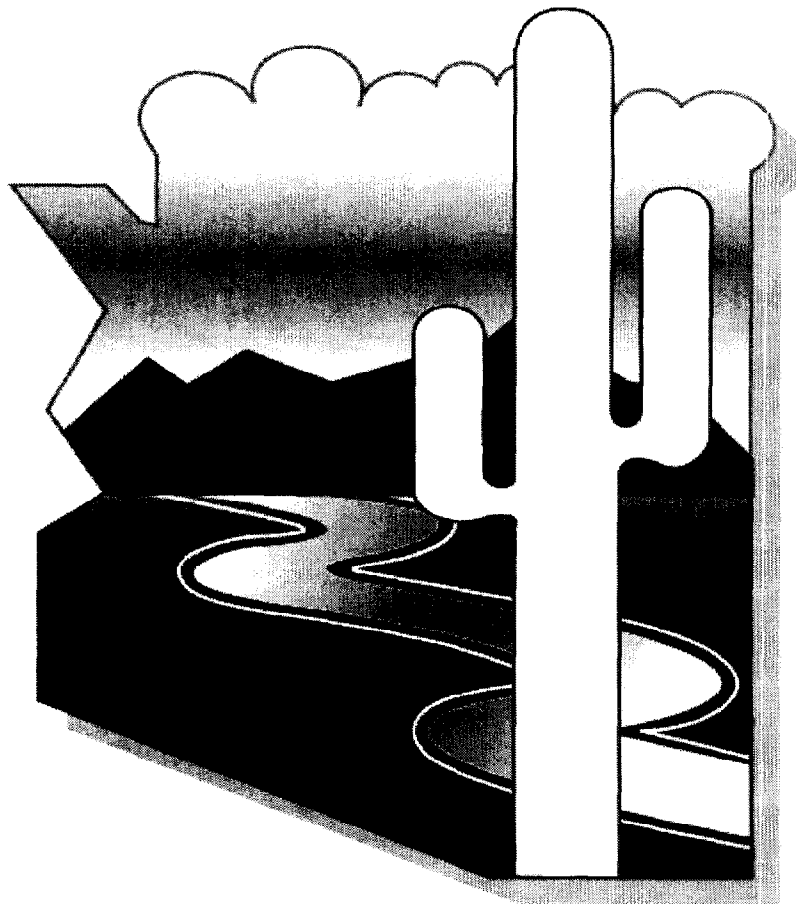


CENTRAL ARIZONA GROUNDWATER REPLENISHMENT DISTRICT

PLAN OF OPERATION



**CENTRAL ARIZONA
WATER CONSERVATION DISTRICT**

JUNE 1, 1994

Revised February 7, 1995

PLAN OF OPERATION

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CENTRAL ARIZONA GROUNDWATER REPLENISHMENT DISTRICT

PLAN OF OPERATION

The Central Arizona Water Conservation District ("CAWCD") submits this plan of operation to the Arizona Department of Water Resources ("ADWR") to satisfy the requirements of A.R.S. § 45-576.02.C. Legislation enacted in 1993 created a groundwater replenishment authority to be governed and operated by CAWCD. The replenishment authority of CAWCD is referred to in this document as the Central Arizona Groundwater Replenishment District ("CAGRD").

By law, the CAGRD must submit a plan for operation to ADWR every ten years; the first plan of operation must be submitted on or before June 1, 1994. The purpose of the plan, as defined by statute, is to describe the activities that the CAGRD proposes to undertake during the 20 calendar years following the submittal of the plan. A.R.S. § 45-576.02.C requires that the plan include the following information for the Phoenix, Pinal and Tucson Active Management Areas:

1. An estimate of the CAGRD's current and projected replenishment obligations through calendar year 2014;
2. A description of the water resources that are expected to be available to the CAGRD for replenishment purposes through calendar year 2014;

3. A description of any projects and facilities to be used for replenishment purposes during the next twenty years;
4. An analysis of potential groundwater replenishment sites in each groundwater sub-basin;
5. A description of the CAGRD's financial capabilities and financial requirements that are necessary to address the CAGRD's groundwater replenishment obligations through 2014; and
6. A description of the CAGRD's current capability to meet the current and projected groundwater replenishment obligations for the period of 1994-1999.

The plan is structured according to the requirements set forth in the statute. It is divided into six sections which correspond to the six topics identified in A.R.S. § 45-576.02.C.

I. THE CAGRD'S PROJECTED REPLENISHMENT OBLIGATIONS THROUGH 2014

There are many factors which will influence the timing and extent of the CAGRD's replenishment obligations over the next twenty years. Such factors include the rate at which the population in the CAGRD's service area grows, the statutes and

rules which govern the use of groundwater in the state of Arizona, the use of other renewable water supplies available to CAGRD members and potential members, and the cost of replenishment water.

A. INTRODUCTION

The projections of the CAGRD's replenishment obligations in this section were, in large part, extrapolated from the water demand and water supply data generated by ADWR in the *Economic Impact Analysis for the Assured and Adequate Water Supply Rules*, published on July 2, 1993 ("Economic Analysis").

To forecast demand for replenishment services over the next twenty years, CAGRD staff ("staff") projected the total water demand for municipal and industrial uses in the Phoenix, Tucson and Pinal AMAs for each year during the next twenty years. These demand estimates were based on the demand estimates used by ADWR in its Economic Analysis and subsequent refinement of those estimates by ADWR. Staff then identified the various water supplies available in each AMA over the next twenty years to satisfy this projected water demand. These water supplies were based on the water supply data used by ADWR in its Economic Analysis. Next, staff allocated the available water supplies to the projected demand in each AMA. The process of matching available supplies with projected demand yielded an estimate of the annual demand for replenishment services in each AMA over the next twenty years.

During this process of matching available water supplies with projected water demand, staff was required to make several assumptions concerning, among other things: (1) how providers with CAP allocations would use their CAP allocations; (2) how providers with access to other renewable supplies would use such supplies; (3) which providers would seek a designation of an assured water supply from ADWR; and, in turn, which providers would choose not to seek a designation of an assured water supply and would therefore require new development to seek its own certificate of an assured water supply; and (4) how and when providers will use the allowable groundwater credits granted to them under the provisions of the Final Draft Assured and Adequate Water Supply Rules ("AWS Rules"). Each of the assumptions made by staff in its analysis for this Plan is fully explained below.

By necessity, assumptions involve a certain amount of guesswork. Some of the assumptions made herein tend to overestimate the demand for replenishment services, and other assumptions tend to underestimate such demand. For instance, the projections of replenishment demand for each cost area were made without regard to the fact that certain providers may not be able to receive the benefits of membership in the CAGRD (and, hence, would have no replenishment demand) because they cannot meet the physical availability or water quality requirements of the AWS.¹

¹ Subdivisions and providers which rely on the CAGRD to meet Assured Water Supply requirements must still meet the depth to groundwater criteria, the financial capability requirements, the consistency with management plan requirements, and the water quality criteria of the AWS Rules.

As a result, the demand projections herein may overestimate the demand for replenishment services. Additionally, the replenishment demand projections do not make provision for the fact that certain groundwater pumping activities will be exempt from the groundwater pumping restrictions imposed in the AWS Rules. This exemption includes: (1) groundwater removed as part of a new superfund cleanup activity; (2) groundwater removed from a waterlogged area; and (3) groundwater withdrawn under certain drought conditions. Because the demand projections make no provision for this exemption, it is possible that the projections may overestimate the demand for replenishment services. Furthermore, the GPCD rates used to estimate demand for the Phoenix AMA probably overestimate total water demand, and, hence overestimate demand for replenishment services. Staff adopted the GPCD rates used by ADWR in its Economic Analysis. These GPCD rates for the Phoenix AMA are higher than the target GPCDs, because they assume that all new residential use will be on the high exterior use rate of 181 gallons per housing unit per day and they assume that non-residential use rates will remain constant rather than decline. Further, the GPCD rates for the Phoenix AMA assumed no further conservation after the second management period. Also, effluent use in the Phoenix AMA was not considered in this study. It was assumed that any use of effluent, other than the use identified in the Tucson AMA, would affect demands which exceed the GPCD use rates.

On the other hand, staff has made some assumptions which might

underestimate the demand for replenishment services. For instance, staff adopted the assumption from ADWR's Economic Analysis that all demand for water within Salt River Project boundaries would be satisfied using SRP water developed on the Salt and Verde Rivers. Hence, staff assumed there would be no demand for replenishment services from providers located within SRP boundaries. In fact, however, SRP could be delivering some groundwater which could create an additional replenishment obligation for the CAGRD. Furthermore, it is possible that as land use within Roosevelt Water Conservation District ("RWCD") and Maricopa County Municipal Water Conservation District No. 1 ("MCMWCD") convert from agricultural to M&I use, not all surface water would be converted to interior municipal use. That is, some of this surface water may be used for lawn irrigation, which could increase the demand for replenishment services. Finally, staff assumed that all providers with CAP subcontracts would use their CAP supplies, through direct use, exchange or annual storage and recovery projects, before pumping any excess groundwater which must be replenished by the CAGRD. This same assumption was used for surface water and effluent. This assumption might underestimate actual demand for replenishment services. Furthermore, staff assumed that the water demands of new development occurring within the service areas of undesignated providers would be satisfied first with the unused portion(s), if any, of the providers' CAP entitlements. This assumption contradicts AWS Rule R12-15-703.E, which prevents a certificate applicant from relying on such provider's CAP allocation for

purposes of demonstrating an assured water supply, if the provider is not designated and the provider could not meet the requirements of AWS Rule R12-15-705. Hence, this assumption might underestimate actual demand for replenishment services.

In short, some of the assumptions used herein may tend to overestimate demand for replenishment services while other assumptions may tend to underestimate such demand. For purposes of this report, it was assumed that these countervailing assumptions will cancel each other out. However, the most important point illustrated in this report is that the projected replenishment demand can be met by the CAGRD, even when such demand projections are derived from assumptions which tend to overestimate actual demand for replenishment services.

B. DESCRIPTION OF METHODOLOGY AND ASSUMPTIONS

Staff estimated the demand for replenishment services using two different water supply scenarios. The first scenario assumed that designated providers and AWS certificate holders would elect to save all of the groundwater credits allotted under the AWS Rules for some future emergency. Thus, scenario one assumed that water demands would be satisfied using the following water sources in the following order: (1) renewable water supplies and (2) excess groundwater which must be replenished by the CAGRD. (In this scenario, category two represents the demand for CAGRD

replenishment services.) The second scenario assumed that water demands would be satisfied using the following water sources in the following order: (1) renewable water supplies, if any; (2) groundwater credits allocated or groundwater pumping allowed under the AWS Rules, which are also known as groundwater allocations and excluded groundwater. These credits will be collectively referred to herein as "allowable groundwater credits"; and (3) excess groundwater which must be replenished by the CAGRDR. (Category three represents the demand for CAGRDR replenishment services.) Staff evaluated another option which assumed that renewable supplies would be used after allowable groundwater credits. However, staff did not include this option because the order of use of renewable supplies versus allowable groundwater credits does not affect the calculation of the CAGRDR's replenishment obligation.

B.1 WATER DEMAND PROJECTIONS

Staff projected future water demand for each AMA in the same manner that ADWR projected future water demand in its Economic Analysis. That is, staff used ADWR's current and projected population data for years 1990 through 2014 and multiplied these population figures by the relevant gallons per capita per day ("GPCD") figures established by ADWR in its Economic Analysis.

POPULATION

The Phoenix, Tucson, and Pinal AMAs were divided into the same "cost areas" that ADWR used in its Economic Analysis.

ADWR identified the cost areas in the Phoenix AMA by using a combination of the Metropolitan Planning Areas and the County Districts which the Maricopa Association of Governments (MAG) uses for planning purposes. The cost areas in the Phoenix AMA were defined by aggregating planning areas with similar water supply characteristics. The eight cost areas in the Maricopa County portion of the Phoenix AMA, and the respective planning areas which compose them, are:

- Cost Area 1 - Avondale, Buckeye, Goodyear, Tolleson, Youngtown, Peoria, El Mirage, and Litchfield Park
- Cost Area 2 - Carefree and Cave Creek
- Cost Area 3 - Gilbert, Glendale, Chandler, and Scottsdale
- Cost Area 4 - Mesa, Phoenix, and Tempe/Guadalupe
- Cost Area 5 - Queen Creek, and Sun Lakes
- Cost Area 6 - Sun City, and Sun City West
- Cost Area 7 - Fountain Hills, Rio Verde, and Paradise Valley
- Cost Area 8 - Surprise and the rest of Maricopa County

Projections of population in each cost area in the Maricopa County portion of the Phoenix AMA were obtained from ADWR and are based on 1993 MAG approved projections.

The Pinal County portion of the Phoenix AMA was divided into three cost areas. They are:

Cost Area P1 - Apache Junction

Cost Area P2 - Superior

Cost Area P3 - Balance of Phoenix AMA in Pinal County

Projections of population in each of these three areas were obtained from ADWR and are based on information provided by the Arizona Department of Economic Security.

For the Tucson AMA, ADWR identified eight cost areas based on the type of provider and access to renewable supplies. These cost areas are:

Cost Area 1 - Municipality with renewable supplies: Tucson Water

Cost Area 2 - Municipalities without renewable supplies:
Marana Municipal Water System, Cortaro Water Users'
Assoc.

Cost Area 3 - Private water companies with access to CAP:
(Northwest Area Agreement Water Providers)
Metropolitan Domestic Water Improvement District,
Cañada Hills Water Company, Rancho Vistoso Water
Co.²

² Pursuant to a request by Metropolitan Domestic Water Improvement District ("MDWID"), staff segregated the demand and supply analysis for each individual provider in Cost Area 3. With respect to CAP water available to the providers in Cost Area 3, staff assumed that the CAP water available to this area would consist of the CAP allocation for Cañada Hills Water Company, which is 1,652 acre-feet per year and the CAP water which MDWID is required to take under the asset purchase agreement between Tucson and MDWID. Under this agreement, MDWID is required to service 80% of its demand with CAP water commencing in 1995. This assumption regarding availability of CAP water to Cost Area 3 does not acknowledge the current discussions among Tucson and the other Northwest Area providers regarding the suballocation of a portion of Tucson's CAP allocation for the benefit of these providers. If Cañada Hills and Rancho Vistoso were to satisfy a significant percent of their demand from CAP water, their demand for replenishment services would be lower than the estimate in this analysis.

Cost Area 4 - Water companies with CAP allocations: Community Water Company of Green Valley, Green Valley Water Company, New Pueblo Water Company, Flowing Wells Irrigation District

Cost Area 5 - Private water companies without renewable supplies: Las Quintas Serenas Water Company, Lakewood Water Company, Hub Water Company, Avra Water Coop, FICO

Cost Area 6 - New development with CAP allocations: Del Lago Water Company and Spanish Trail Water Company

Cost Area 7 - New development without renewable supplies: Lago Del Oro

Cost Area 8³- Small providers

The population projections within each of these cost areas were obtained from ADWR and were made using the Pima Association of Governments' (PAG) "1991 Population Handbook." However, the population projections obtained from ADWR for Tucson Water, Metropolitan Domestic Water Improvement District, Marana, Cañada Hills, and Rancho Vistoso were based on recently revised population projections for the Northwest Area prepared by ADWR at the request of these providers.

The Pinal AMA was divided into three cost areas. They are:

Cost Area 1 - Casa Grande area which includes Casa Grande,

³ ADWR's Economic Analysis did not actually include a cost area entitled "cost area 8" for the Tucson AMA. The Economic Analysis did include a separate projection for small providers. The numbers used herein for small providers in the Tucson AMA were obtained from ADWR.

Coolidge, Florence and Arizona City

Cost Area 2 - Eloy

Cost Area 3 - Maricopa-Stanfield area

The population projections for each of these cost areas were obtained from ADWR.

DEMAND

The total demand for water in each cost area was computed by multiplying the projected population data by the relevant per capita use rate established by ADWR in its Economic Analysis.

For the Phoenix AMA, the use rate for current population is based on the actual gallons per capita per day ("GPCD") use during 1990. This use rate includes non-residential use and lost water. Projected demand from 1995 through 2014 assumes that pre-1995 development stays at its current GPCD rate and new development comes in with the lower "model use" rates of 51.4 GPCD for interior residential use and 180.7 gallons per housing unit per day for external residential use.

For the Tucson AMA, ADWR assumed that providers would meet their Second Management Plan targets through 2000 and, thereafter, new development would not exceed the Second Management Plan target rate for new large providers with more than 5 percent non-residential use of 121 GPCD. This target includes approximately 88 GPCD for residential use, 23 GPCD for non-residential use and 10

GPCD for lost and unaccounted for water. For the Pinal AMA, the GPCD use rates vary for each area and are fully described in the Economic Analysis.

B.2 WATER SUPPLY PROJECTIONS

The estimates of available water supplies to meet projected demands used in this analysis are, for the most part, derived from the water supply figures used by ADWR in its Economic Analysis. The water supplies fall into two categories: renewable water supplies and groundwater.

RENEWABLE WATER SUPPLIES

For purposes of this analysis, staff assumed that cost areas with access to renewable water supplies would use those supplies first to satisfy demand before using allowable groundwater credits or excluded groundwater or before pumping excess groundwater which must be replenished by the CAGRD. The sources of renewable supply included in this analysis are:

1. CAP Water: Central Arizona Project water as allocated by the United States Secretary of the Interior. It was assumed that all entities with CAP allocations would use their CAP water supplies, through direct use, exchange, or annual storage and recovery projects, before using any allowable groundwater credits and before pumping any excess groundwater which must be replenished by the CAGRD.

2. SRP Surface Water: Because the Salt River Project (SRP) is limited to delivering Salt and Verde River water to lands within its boundaries, the water demands for the Phoenix AMA were divided between those inside SRP's boundaries and those outside of SRP's boundaries. All demand for water within SRP's boundaries was assumed to be satisfied using SRP water developed on the Salt and Verde Rivers.

3. RWCD Water: Salt and Verde River water to which the Roosevelt Water Conservation District maintains a right to use within its service area. As agricultural land in RWCD urbanizes, it is assumed that the water which had historically been used by the farmers would be available for municipal and industrial uses on the same land. The projected availability of this water was obtained from ADWR.

4. CAP Tribal Lease: Central Arizona Project water available under lease agreements between Native American Communities and municipal and industrial water providers.

5. Plan 6 and Conservation Space: Water made available as a result of increasing the capacity behind Roosevelt Dam on the Salt River and purchasing rights to Hohokam Irrigation District's CAP agricultural allocation as an acceptable alternative to construction of Cliff Dam on the Verde River. In its Economic Analysis, ADWR estimated this total supply to average 57,000 acre-feet (AF) per year.

6. MCMWCD Water: Agua Fria River water to which the Maricopa County Municipal Water Conservation District No. 1 ("MCMWCD") maintains a right to use within its service area. As agricultural land in MCMWCD urbanizes, it is assumed that the water which had historically been used by the farmers would be available for municipal and industrial uses on the same land. The projected availability of this water was obtained from ADWR.

7. Gatewater: Water made available to the City of Phoenix as a result of gates constructed at Horseshoe Dam on the Verde River. In its Economic Analysis, ADWR estimated this total supply to average 21,000 AF per year.

8. SRPMIC Settlement Water: 22,000 AF of Colorado River water obtained by the United States pursuant to the Salt River Pima-Maricopa Indian Community Water Rights Settlement Agreement for delivery to Chandler, Glendale, Scottsdale, Tempe, Mesa, Phoenix, and Gilbert.

9. Waterlogged Area: Groundwater pumped from inside the boundaries of the Arlington Canal Company, Buckeye Water Conservation and Drainage District, and the St. Johns Irrigation District.

10. Effluent: Effluent treated for direct use (non-potable) or recharge. (Note: Effluent use in the Phoenix AMA was not addressed in this study. It was assumed that any use of effluent,

other than the use identified in the Tucson AMA, would offset demands which exceed the GPCD use rates.)

GROUNDWATER SUPPLIES

Under the proposed AWS Rules, mined groundwater cannot be the exclusive basis for demonstrating an assured water supply for any new development occurring after the effective date of the AWS Rules. (For purposes of this analysis, the effective date of the AWS Rules is assumed to be January 1, 1995.) As a general rule, if a development does not have access to CAP water or other renewable supplies in sufficient quantities to serve the demands of the development for 100 years, the development must become a member of the CAGRD. Membership in the CAGRD enables the development (or its provider) to pump groundwater to serve its water demands, but, as a general rule, any groundwater pumped to serve the new development must be replenished by the CAGRD.

New development can obtain an assured water supply in one of two ways. First, the developer itself can apply for and obtain a certificate of an assured water supply (a "certificate") from ADWR, by satisfying the statutory criteria for demonstrating an assured water supply. Or, the proposed development can receive its supply from a city, town or private water company.

All previously designated providers, except for cities and towns which have a subcontract for CAP water, must file for a designation under the new AWS Rules within six months of the

effective date of the AWS Rules or lose their designations. Cities and towns which have a subcontract for CAP water are "deemed" to have an AWS designation until December 31, 1997. These "deemed" providers must file for a designation under the new AWS Rules before December 31, 1997, or lose their designations.

Not all existing providers will apply for a designation under the new AWS Rules. In fact, for purposes of this analysis, staff adopted the assumption used by ADWR in its Economic Analysis which is that only 12 providers within the three AMAs would file for a designation. These providers are: Chandler, Gilbert, Glendale, Mesa, Phoenix, Scottsdale, Tempe, Tucson, Metropolitan Domestic Water Improvement District, Cañada Hills, Rancho Vistoso and Marana. Staff further assumed therefore, that new development in the service areas of any provider, except the 12 listed above, would occur pursuant to individual certificates of assured water supply.

The AWS Rules grant providers which timely file an application for designation under the AWS Rules a three year grace period before the groundwater restrictions of the new Rules go into effect. The time at which this grace period commences varies depending on the type of provider. Providers without a deemed status (i.e. those without a CAP subcontract), which file an application for designation within six months of the effective date of the AWS Rules will be given three calendar years, commencing January 1, 1995, before the groundwater restrictions go into

effect. Deemed providers which file an application for designation before December 31, 1997, will be given three calendar years, commencing January 1, 1998, before the groundwater restrictions go into effect.

For purposes of this analysis, staff assumed that all deemed providers, except the 13 providers listed above which are assumed to seek a designation, will continue to pump groundwater in quantities to meet their demands not otherwise met with renewable supplies through 1997. Groundwater pumping in these service areas after 1997 was assumed to remain at or below 1997 levels; all post-1997 growth in these service areas was assumed to occur pursuant to individual certificates of assured water supply. With respect to the 13 providers which are assumed to seek a designation, staff assumed that these providers will continue to pump groundwater in quantities to meet their demands through 2000. Beginning in 2001, any groundwater pumping by these providers will be regulated by the AWS Rules. Finally, for all other providers, (i.e., those which were assumed to not seek a designation), staff assumed that groundwater use would remain at or below 1994 levels. All post-1994 growth in these service areas was assumed to occur pursuant to individual certificates.

GROUNDWATER ACCOUNTS

Under the AWS Rules, ADWR will establish a groundwater account for each successful AWS applicant. This account will be credited with a certain volume of groundwater that may be used by the

provider as it phases in the use of alternative supplies. Credits to this groundwater account are referred to as "allowable groundwater credits." These credits may derive from one or all of the following sources.

1. Groundwater Allotments: All AWS applicants who receive a certificate or designation will receive a groundwater allotment. The formula for computing groundwater allotments is different for each AMA. These formulae are set forth in R12-15-705 of the AWS Rules. The amount of the allotment granted to a designated provider in the Phoenix AMA was computed by multiplying the provider's 1994 demand for water from all sources by 7%. The allotment associated with a certificate of AWS granted before 2000 in the Phoenix AMA was computed by multiplying the projected demand of the development at build-out by 7%.⁴ For subdivisions platted after 1999, the multiplier was reduced to 4; for subdivisions platted after 2009, the multiplier was reduced to 2.

The amount of the allotment granted to a designated provider in the Tucson AMA was computed by multiplying the provider's 1994 demand for water from all sources by 15. The allotment associated with a certificate of AWS granted before 2000 in the Tucson AMA was computed by multiplying the projected demand of the development at build-out by 15. For subdivisions platted after 1999, the

⁴ These demand projections were computed using the GPCD use rates described in section I. B.1 above. These GPCD use rates are higher than the actual target rates which will be used by ADWR to calculate the groundwater allotments. Hence, the amount of groundwater allotment estimated for each provider in this analysis is most likely higher than the allotment will actually be.

multiplier was reduced to 8; for subdivisions platted after 2009, the multiplier was reduced to 4.

Generally, providers in the Pinal AMA will receive an allotment of groundwater every year, rather than the one time allotment granted providers in the Phoenix and Tucson AMAs. For purposes of this analysis, staff computed the allotment for AWS applicants in the Pinal AMA by multiplying the population of the provider for each year during the twenty year study period by 125 GPCD. (A different rate would be used for providers who are enrolled in the alternative conservation program. However, it is anticipated that few, if any, providers will be enrolled in this program.)

2. Incidental Recharge: Incidental recharge is water that returns to the groundwater supply after being used. The AWS Rules include an incidental recharge credit that will allow designated providers in the Phoenix and Tucson AMAs to withdraw each year an equivalent amount of groundwater equal to the estimated incidental recharge in the service area. An incidental recharge factor of 4 percent was used for this analysis. Under the AWS Rules, there is no incidental recharge factor for the Pinal AMA.

3. Extinguished Grandfathered Rights: The AWS Rules allow providers to generate groundwater credits by extinguishing grandfathered rights. For the Tucson and Phoenix AMAs, the extinguishment of Type I and irrigation grandfathered rights yields

1.5 AF per acre of extinguished right through the year 2025. For the Tucson and Phoenix AMAs, the extinguishment of a Type II Right yields a credit of 100 percent of the face amount of the right for each year remaining until 2025. For purposes of this analysis, the volume of credits assumed to be generated from the extinguishment of irrigation grandfathered rights in the Phoenix and Tucson AMAs were derived from the assumptions used by ADWR in its Economic Analysis. (The Economic Analysis for the Phoenix and Tucson AMAs did not make provision for the retirement of Type II non-irrigation rights.)

The Economic Analysis for the Pinal AMA did not make any assumptions concerning the volume of credits to be generated in the future from the extinguishment of irrigation grandfathered rights and Type I and Type II rights in the Pinal AMA. Accordingly, staff made no provision for the retirement of such rights in the Pinal AMA. However, the formula for calculating the groundwater allotments in the Pinal AMA is so liberal that the replenishment obligation for the Pinal AMA was nominal even though the volume of credits assumed to be generated from the extinguishment of grandfathered rights was 0.

B.3 REPLENISHMENT OBLIGATION

The CAGRD's annual replenishment obligation was calculated for each cost area by subtracting each area's total available water supplies from its total water demand. As discussed above, Scenario

1 and Scenario 2 calculations differ in that Scenario 1 assumed there will be no use of allowable groundwater credits over the next twenty years, while Scenario 2 assumes that such groundwater credits will be used as needed beginning in 1995.

C. RESULTS OF ANALYSIS

Appendices A and B contain the results of this analysis for each of the cost areas. Appendix A presents the Scenario 1 analysis results while Appendix B presents the Scenario 2 results. These results are summarized in Tables 1 and 2 and Figures 1 and 2.

Table 1 and Figure 1 show the CAGRD's annual replenishment obligation for the Phoenix, Tucson and Pinal AMAs over the next twenty years under Scenario 1 assumptions. This Table and Figure indicate that if water providers in the Phoenix, Tucson and Pinal AMAs opt to save their allowable groundwater credits for the future, the CAGRD's replenishment obligation for these AMAs will total more than 353,000 AF over the period 1995-2014. The annual replenishment obligation will grow from 354 AF in 1995 to over 37,000 AF in the year 2014. Conversely, Table 2 and Figure 2 show that if Scenario 2 assumptions are correct, and water providers in the Phoenix, Tucson and Pinal AMAs decide to use their allowable groundwater credits first, then the CAGRD's replenishment obligations for the Phoenix AMA will not commence until as late as the year 2014. The total replenishment obligation for the Phoenix AMA in that year will be only about 15 AF. The total replenishment

obligation for the Tucson AMA during the next twenty years will be 78,329 AF. The total replenishment obligation for the Pinal AMA will be 0. In all likelihood, use of allowable groundwater credits will fall somewhere between the levels assumed in Scenarios 1 and 2, and therefore, the CAGRD's replenishment obligations will likely fall somewhere within the range shown in these results.

FIGURE 1
Projected CAGR Replenishment Obligations
Scenario 1 - Groundwater Credits Saved for Future Use

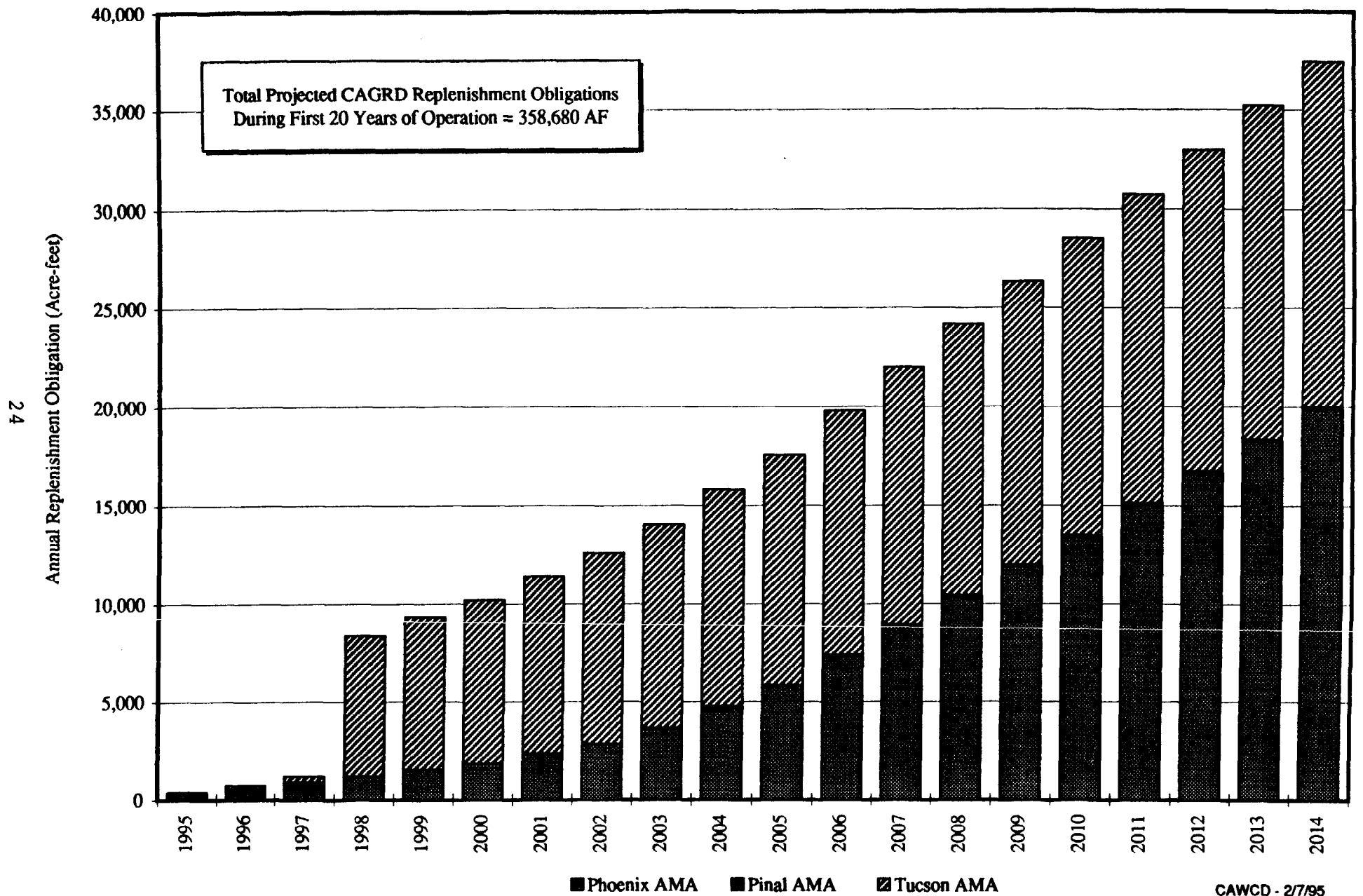


TABLE 1
Projected CAGR Replenishment Obligations
Scenario 1 - Groundwater Credits Saved for Future Use
Phoenix AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	Avondale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Buckeye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Goodyear	0	0	0	0	0	0	0	0	301	914	1,527	2,461	3,395	4,330	5,266	6,202	7,364	8,527	9,690	10,853	60,829
	Tolleson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Youngtown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Peoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	El Mirage	13	41	69	97	126	155	197	240	284	327	371	444	517	591	666	740	825	910	995	1,080	8,688
	Litchfield Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Carefree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cave Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Gilbert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Glendale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Chandler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scottsdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Mesa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phoenix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tempe/Guadalupe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Queen Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sun Lakes	67	213	358	504	651	797	1,094	1,392	1,691	1,990	2,291	2,649	3,007	3,367	3,727	4,087	4,291	4,495	4,699	4,903	46,272
6	Sun City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sun City West	183	299	412	524	635	743	862	979	1,095	1,211	1,325	1,444	1,562	1,680	1,796	1,912	2,052	2,191	2,329	2,465	25,700
7	Fountain Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rio Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Paradise Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surprise & Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.1	Apache Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.2	Superior	0	2	10	18	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147	1,421
P.3	Other Pinal Cty	0	7	31	55	79	102	125	148	171	194	216	239	262	285	308	331	355	378	401	424	4,112
Total GRD Demand		263	561	881	1,199	1,517	1,833	2,322	2,810	3,601	4,702	5,804	7,320	8,836	10,352	11,870	13,388	15,009	16,631	18,252	19,873	147,022

TABLE 1
Projected CAGR Replenishment Obligations
Scenario 1 - Groundwater Credits Saved for Future Use

Pinal AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	CG / Cldge / Pirnce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Maricopa-Stanfield	8	15	22	29	36	42	50	57	65	72	80	87	94	101	108	115	124	132	140	148	1,524
3	Eloy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total GRD Demand		8	15	22	29	36	42	50	57	65	72	80	87	94	101	108	115	124	132	140	148	1,524

Tucson AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	Tucson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Muni w/o Renewable	0	0	0	1,454	1,722	1,988	2,384	2,779	3,175	3,571	3,966	4,420	4,872	5,323	5,773	6,221	6,661	7,102	7,542	7,983	76,934
3	Metropolitan DWID	0	0	0	1,761	1,782	1,802	1,821	1,840	1,857	1,874	1,890	1,905	1,919	1,932	1,945	1,956	1,967	1,977	1,985	1,994	32,206
	Canada Hills	0	0	0	2,187	2,272	2,350	2,419	2,480	2,532	2,577	2,613	2,641	2,660	2,672	2,675	2,670	2,656	2,635	2,605	2,567	43,209
	Rancho Vistoso	0	0	0	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,922	1,974	2,022	2,066	2,105	2,139	2,168	2,193	2,213	31,720
4	Water Co. w/CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PWC w/o Renewable	0	6	48	91	132	173	221	268	315	361	407	457	506	555	603	652	705	759	812	865	7,936
6	New Dvlpmnt w/CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Lago Del Oro	0	0	0	0	0	0	0	0	9	19	28	39	49	60	69	79	91	102	113	124	783
*	Small Providers	83	166	249	332	415	497	580	663	745	827	910	992	1,074	1,156	1,238	1,320	1,402	1,484	1,565	1,647	17,346
Total GRD Demand		83	172	298	7,157	7,746	8,318	9,013	9,693	10,369	11,031	11,678	12,375	13,056	13,720	14,369	15,002	15,621	16,226	16,816	17,393	210,135

FIGURE 2
Projected CAGRD Replenishment Obligations
Scenario 2 - Groundwater Credits Used Before GRD

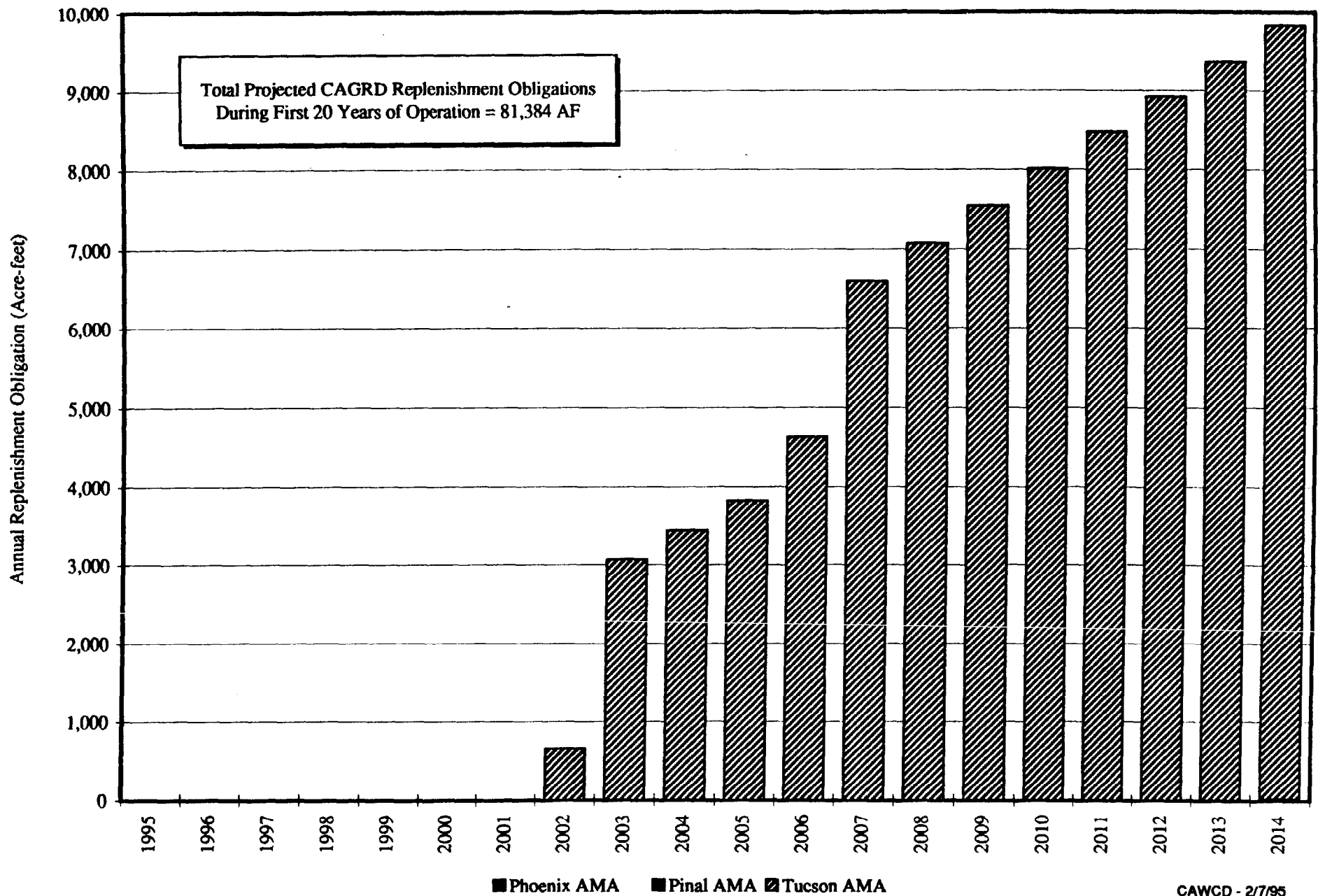


TABLE 2
Projected CAGR Replenishment Obligations
Scenario 2 - Groundwater Credits Used Before GRD
Phoenix AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	Avondale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Buckeye	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Goodyear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tolleson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Youngtown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Peoria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	El Mirage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Litchfield Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Carefree	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Cave Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gilbert	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Glendale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Chandler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Scottsdale	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mesa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Phoenix	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tempe/Guanajuato	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Queen Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Sun Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sun City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sun City West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Fountain Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rio Verde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Paradise Valley	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Surprise & Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P.1 Apache Junction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P.2 Superior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	P.3 Other Pinal City	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
	Total GRD Demand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15

TABLE 2
Projected CAGR Replenishment Obligations
Scenario 2 - Groundwater Credits Used Before GRD

Pinal AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	CG / Cldge / Firnce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Maricopa-Stanfield	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Eloy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total GRD Demand		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tucson AMA

Cost Area	Planning Area	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	20-Year Total
1	Tucson	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Muni w/o Renewable	0	0	0	0	0	0	0	657	3,062	3,442	3,822	4,260	4,694	5,127	5,558	5,988	6,410	6,833	7,256	7,679	64,786
3	Metropolitan DWID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Canada Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rancho Vistoso	0	0	0	0	0	0	0	0	0	0	0	366	1,897	1,943	1,985	2,022	2,055	2,083	2,106	2,126	16,583
4	Water Co. w/CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PWC w/o Renewable	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	New Dvlpmt w/CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Lago Del Oro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	Small Providers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total GRD Demand		0	0	0	0	0	0	0	657	3,062	3,442	3,822	4,625	6,591	7,070	7,543	8,010	8,465	8,916	9,363	9,805	81,369

II. THE WATER RESOURCES AVAILABLE TO THE CAGRD FOR REPLENISHMENT PURPOSES THROUGH 2014

The CAGRD anticipates that there will be sufficient excess CAP water available to meet all of its projected replenishment obligations during the first twenty years of operation. This assumption is based on (1) the projected Colorado River water available for diversion by the CAP, and (2) the estimated demands for CAP water by CAP customers over the next twenty years.

A. COLORADO RIVER WATER SUPPLIES

The State of Arizona maintains an entitlement to an annual consumptive use of 2.8 million acre-feet (MAF) of water from the Colorado River. Contract entitlements dictate that over the next twenty years, about 1.31 MAF of Arizona's annual entitlement will be delivered to users on the Colorado River mainstem.⁵ The remaining 1.49 MAF/year will be available for diversion by the CAP. In the event of a water supply shortage on the Colorado River, as declared by the United States Secretary of the Interior, the CAP's supplies will be among the first shorted. However, the *Central Arizona Project 1993 Water Supply Study* published by the U. S. Bureau of Reclamation in August 1993, indicates that there will be no shortages on the Colorado River before the year 2022. Therefore, we can expect that the CAP's annual entitlement to

⁵ From the Governor's Central Arizona Project Advisory Committee Description of the Central Arizona Project - February 18, 1993.

Colorado River in each of the next twenty years will be at least 1.49 MAF.

B. DEMANDS FOR CAP WATER BY CAP CUSTOMERS

Annual demand for CAP water by CAP customers is projected to be about 0.87 MAF in 1995, rising to just over 1.03 MAF by the year 2014. Table 3 and Figure 3 show the annual projected CAP deliveries to CAP customers over the period 1995 through 2014. The following describes the basis for these demand projections.

Municipal and Industrial

The projection of municipal and industrial ("M&I") demand for CAP water used in this analysis is based on recent subcontractor demand surveys for the years 1995 and 1996. Data for the years 1997 through 2014 are from the "Potable Water Demand Study" performed by ADWR and documented in the report entitled *Likely Future Conditions Without Alternative Action* which was prepared for the Governor's Central Arizona Project Advisory Committee in March 1993. Table 3 shows that M&I demand for CAP water is projected to grow from 283,000 AF in 1995 to 533,000 AF by the year 2014. M&I use data provided in Table 3 include regular M&I CAP subcontract deliveries (both direct and by exchange) as well as CAP water leased from Indian communities for M&I uses. It should be noted that the CAP M&I demand projections already include some demand for CAP water for replenishment purposes.

Indian Communities

Demand for direct use of CAP water by Indian contractors is projected to remain at the current level of about 75,000 AF per year for the next ten years. This is the volume of water currently being used by the Ak Chin Community for irrigation. It was assumed that the price of CAP water will discourage additional development of CAP water use for Indian agriculture prior to the year 2005. The annual demand for CAP Indian contract water is projected to grow to 232,000 AF in the 10-year period from 2005 through 2014. The annual volumes shown under the column titled "Indian Use" in Table 3 do not include CAP Indian contract water which is leased to M&I entities. Such water is included as "M&I Use."

Non-Indian Irrigation

On October 7, 1993, the CAWCD Board of Directors approved a proposal for the restructuring of the obligations specified in the CAP agricultural water service subcontracts signed by irrigation districts. Under this policy, CAWCD agreed to, among other things, make up to 400,000 AF of CAP agricultural water available to its non-Indian subcontractors at a price which is competitive with the price of groundwater in each year through 2003. Additional non-Indian irrigation water would be sold at CAWCD's cost of energy plus a capital charge which, for 1994, was \$2/AF. In exchange, the subcontractors agreed to, among other things, waive their long-term entitlements to CAP water.

In order to analyze the financial impacts on CAWCD of the

proposed restructuring, CAWCD developed a study which assumed that CAP non-Indian irrigation water would be delivered as follows:

1994	450,000 AF
1995-2003	400,000 AF
2004-2011	200,000 AF

The term for the target pricing proposed in the restructuring plan ended in the year 2011.

As shown in Table 3, the analysis performed for this Plan of Operation made slightly different assumptions regarding non-Indian irrigation deliveries than those made in the October 7, 1993, restructuring study. These differences are based on operational experience gained in 1994, as well as subsequent conversations with various non-Indian irrigation customers. The deliveries of CAP non-Indian irrigation water assumed in the instant analysis are as follows:

1995-1999	450,000 AF
2000-2003	400,000 AF
2004-2008	250,000 AF
2009	225,000 AF
2010-2014	200,000 AF

System Losses

Water losses on the CAP aqueduct system have been estimated in each year since CAP deliveries began. Records show that from 1988 through 1993 approximately 30,000 AF of water was lost each year

due to evaporation and seepage along the system. In 1993, the first full year of operations at New Waddell Reservoir, CAP's primary regulatory storage facility, evaporation and seepage losses were calculated to be about 35,000 AF. Therefore, this analysis assumes that total losses on the CAP system will be 65,000 AF per year.

As indicated above, Colorado River water supplies available for diversion annually, through the CAP will not be less than 1.49 MAF for the next twenty years. Assuming that deliveries to CAP customers are as shown in Table 3, excess CAP supplies available for other uses will be at least 460,000 AF per year through 2014 (see Figure 4). This available supply greatly exceeds the projected supplies required by the District to meet its replenishment obligations over the next twenty years.

C. CAGRD POWER SUPPLY

So long as water supplies are available to Arizona from the Colorado River, and the Navajo Generating Station remains in service, sufficient CAP Hoover and Navajo pumping energy will be available to deliver excess CAP water for replenishment purposes. Under the terms of the recently executed Navajo sales contract among CAWCD, SRP, and others, CAWCD retained enough pumping energy to deliver an annual water supply consisting of the following components: (1) an Indian supply larger than what is realistically likely to occur, (2) an M&I supply sufficient to deliver the "net

Colorado M&I requirement" projected by ADWR, which included direct deliveries for M&I demand and deliveries for replenishment activities; and (3) up to 450,000 AF of irrigation water.

TABLE 3
Projected CAP Deliveries to CAP Customers
Units: Acre-feet

Year	M&I Use	Non-Indian Irrigation	Indian Use	Estimated Losses	Total CAP Demands
1995	283,000	450,000	75,000	65,000	873,000
1996	326,500	450,000	75,000	65,000	916,500
1997	335,000	450,000	75,000	65,000	925,000
1998	344,000	450,000	75,000	65,000	934,000
1999	352,000	450,000	75,000	65,000	942,000
2000	361,000	400,000	75,000	65,000	901,000
2001	373,000	400,000	75,000	65,000	913,000
2002	384,000	400,000	75,000	65,000	924,000
2003	396,000	400,000	75,000	65,000	936,000
2004	407,000	250,000	75,000	65,000	797,000
2005	419,000	250,000	92,300	65,000	826,300
2006	431,000	250,000	107,200	65,000	853,200
2007	443,000	250,000	122,100	65,000	880,100
2008	455,000	250,000	137,000	65,000	907,000
2009	467,000	225,000	152,000	65,000	909,000
2010	479,000	200,000	170,900	65,000	914,900
2011	493,000	200,000	186,200	65,000	944,200
2012	506,000	200,000	201,600	65,000	972,600
2013	520,000	200,000	216,900	65,000	1,001,900
2014	533,000	200,000	232,300	65,000	1,030,300

Figure 3
Projected CAP Deliveries to CAP Customers

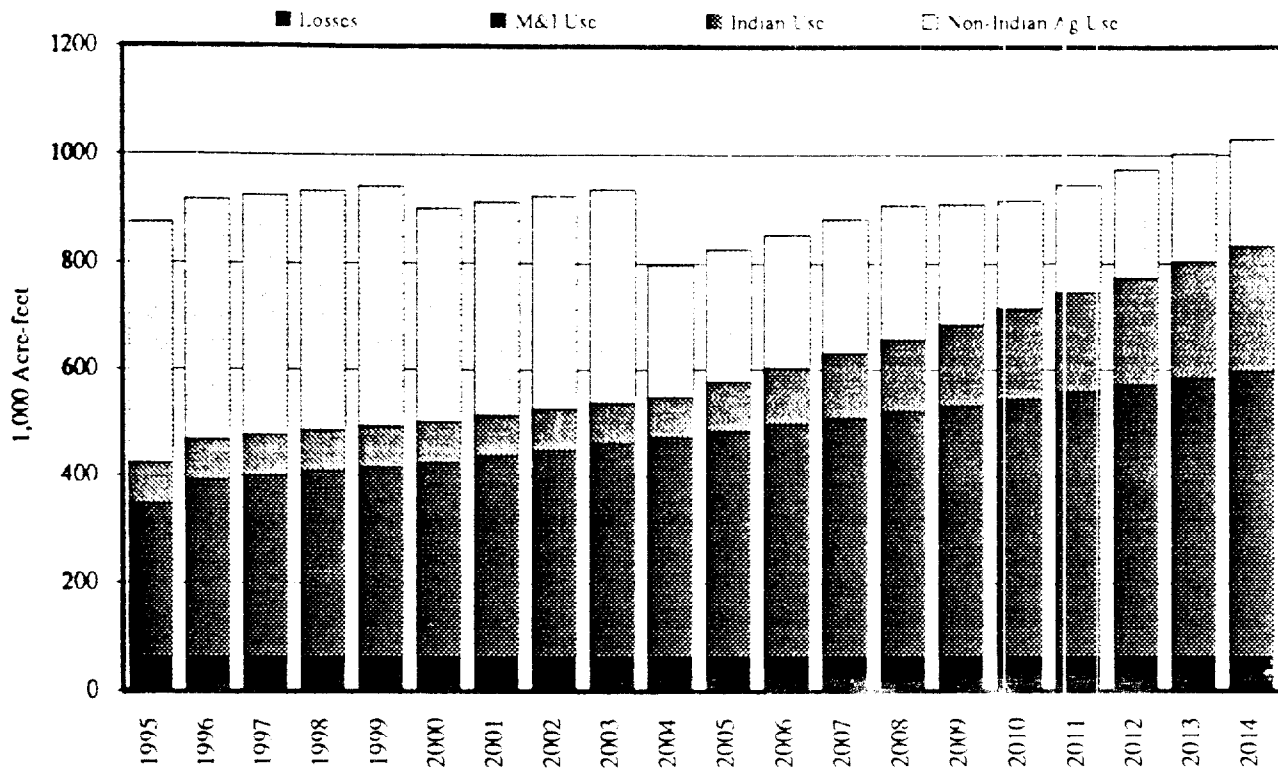
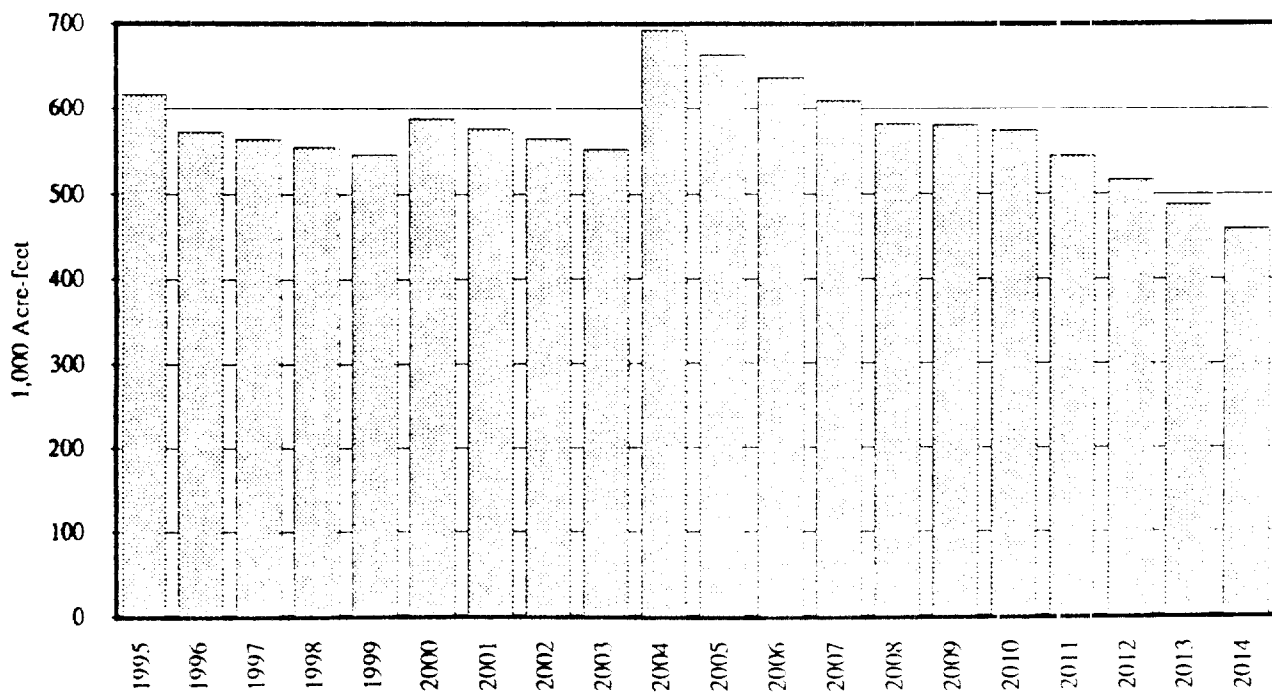


Figure 4
Projected Available Excess CAP Water



III. THE PROJECTS AND FACILITIES TO BE USED FOR REPLENISHMENT PURPOSES THROUGH 2014

The CAGRD plans to use a combination of underground storage facilities and groundwater savings facilities (indirect groundwater storage projects) to carry out its groundwater replenishment obligations for the next 20 years.

A. UNDERGROUND STORAGE FACILITIES

The underground storage facilities that the CAGRD will use to satisfy its replenishment obligations for the Phoenix and Tucson AMAs will be primarily those storage facilities which are financed with monies from the state water storage fund established under A.R.S. § 45-835. (These monies are commonly known as "state demonstration funds.") By law, the CAGRD has the right to use any facilities and any excess storage capacity of any underground storage project built with state demonstration funds for the purpose of meeting the CAGRD's replenishment obligations. (A.R.S. § 48-3772.B.10) Further, the capital costs of any state demonstration project will not be included in the replenishment assessments or taxes levied by the CAGRD for replenishment services. (A.R.S. § 48-3772.D)

The state demonstration funds derive from a special tax levied by CAWCD against property owners in Maricopa and Pima Counties during the period of 1991 through 1995. The purpose of the tax is

to generate money to be used by CAWCD to construct, operate and maintain demonstration projects for the underground storage of excess CAP water.

The state demonstration funds are divided into two accounts: one account is for the benefit of Pima County and the other is for the benefit of Maricopa County. The total amount of state demonstration funds anticipated to be generated for the benefit of Pima County is approximately \$6 million to \$7 million. The total amount of funds anticipated to be generated for the benefit of Maricopa County is approximately \$26 million to \$28 million.

Of the \$6 million to \$7 million available for Pima County, CAWCD has estimated that approximately \$3.35 million will be spent for the construction of two underground storage facilities: the Pima Mine Road Recharge Project and the Avra Valley Pilot Project. Each of the projects is fully described below in section A.1.

Of the \$26 million to \$28 million available for Maricopa County, CAWCD has estimated that \$4 million to \$9 million will be spent for the construction of two underground storage facilities: the Agua Fria Recharge Project and the Avondale Recharge Project. Additionally, CAWCD anticipates it will spend approximately \$5 million for the purchase of excess CAP water and the lease of excess storage capacity to store water in the Granite Reef Underground Storage Project during 1994. Each of these projects is fully described below in section A.2.

In addition to the underground storage projects listed above, CAWCD has identified several other potential underground storage sites in Pima and Maricopa Counties which could be constructed with state demonstration funds. These sites are fully described below in sections A.1 and A.2. However, before additional state demonstration funds are committed to any of these potential sites, CAWCD intends to seek public input concerning the location and selection of future underground storage facilities to be constructed with state demonstration funds.

To facilitate public input and regional consensus building, the CAGRD wishes to establish advisory committees for each AMA within the CAGRD. These advisory committees may be comprised of CAGRD members, potential CAGRD members and other interested entities or persons. It is anticipated that these advisory committees could confer with and advise the CAGRD concerning not just the selection of sites for future underground storage facilities, but all matters relevant to the CAGRD.

A.1 TUCSON AMA: UNDERGROUND STORAGE FACILITIES

Pima Mine Road Recharge Project. The Pima Mine Road Recharge Project ("PMRRP") will be a constructed underground storage facility jointly owned by CAWCD and the City of Tucson. CAWCD and Tucson have signed an intergovernmental agreement which provides for the construction, financing, operation and allocation of ownership of the PMRRP. Tucson has initiated condemnation

proceedings to obtain the right to use the land for the facility. It is anticipated that final design and construction work will commence when a judgment is entered in the condemnation proceedings. CAWCD and Tucson anticipate that construction will be complete in calendar year 1996. When complete, CAWCD will operate and maintain the facility.

The PMRRP facility will be an off-channel recharge facility located approximately two miles east of the CAP Terminus just east of the Santa Cruz River near Pima Mine Road. As currently planned, the pilot facility will consist of one or two spreading basins (each consisting of four sub-basins) and a delivery pipeline from the CAP Terminus to the basins. The initial storage capacity of the facility under the pilot permit is limited to 5,000 AF per year. If the pilot project proves successful, the total storage capacity of the constructed facility is estimated to be 18,000 AF per year. The total capital cost of the facility is estimated to be \$4 million to \$4.5 million. CAWCD's share of these costs is estimated to be \$3 million. CAWCD intends to use state demonstration funds to cover its share of the PMRRP costs. The costs of any replenishment services provided by the CAGRDR through the use of excess storage capacity of a facility financed with state demonstration funds will not include any component for the recovery of capital costs.

It is possible that Tucson and CAWCD may decide to pursue the construction of a pipeline to deliver water to Farmer's Investment

Co. ("FICO") instead of the PMRRP. Such a project would require the construction of a pipeline approximately two miles in length from the CAP Terminus to the southern end of FICO's northern plot. This project would be, in part, a groundwater savings facility with FICO acting as the recipient of in lieu water. FICO's annual water use on this northern plot is about 17,000 - 18,000 AF. This project may also include facilities that would discharge water directly in to the streambed of the Santa Cruz River for purposes of in-channel recharge. This project could utilize a two mile stretch of the Santa Cruz River which runs through FICO's land.

Avra Valley Pilot Project.

The AVPP facility consists of recharge basins to be constructed in an abandoned borrow pit located northwest of the Avra Valley Airport. The initial storage capacity of the facility under the pilot permit is limited to 5,000 AF per year. Currently, the total capital cost of the facility is estimated to be \$400,000 to \$500,000. CAWCD intends to use state demonstration funds to cover the capital cost of this facility. It is anticipated that construction of this facility will be complete in late 1995. If the pilot project proves successful, the annual storage capacity at this facility could be from 15,000 to 30,000 AF per year. CAWCD intends to participate with MDWID in this project. When complete, CAWCD will operate and maintain the facility.

Other potential recharge sites have been identified in the

Tucson AMA. These sites are described below. CAWCD is not actively pursuing these sites at this time. However, CAWCD or the CAGRDR will most likely construct additional underground storage projects in the Tucson AMA. The location, development and timing of such construction will be dependent on, among other things: the demand for replenishment services in the Tucson AMA, the effectiveness and storage capability of the PMRRP and the AVPP facilities, and the extent and availability of indirect recharge projects in the AMA.

The other sites that have been identified in various studies⁶ as potential recharge sites in the Tucson AMA are as follows:

Upper Santa Cruz In-Channel Recharge Projects. This project would be an in-channel recharge project located along a six mile stretch of the Santa Cruz River in the San Xavier District of the Tohono O'odham Nation. CAP water would be piped to the Pima Mine Road crossing at the Santa Cruz River and discharged into the riverbed. The estimated recharge capacity of this site is 15,000 AF per year.

Downtown Tucson In-Channel Recharge Project. This potential in-channel project extends along the reach of the Santa Cruz River that flows through downtown Tucson. The recharge potential is estimated to be approximately 2,700 AF per year for a one mile

⁶ The studies which identify these potential recharge sites are listed in Section IV.

reach of the River.

Cañada Del Oro Recharge Project. Both in-channel and off-channel recharge sites have been identified as part of this project. This project would require the construction of a delivery pipeline along Tangerine Road from the CAP aqueduct to approximately the intersection of Big Wash and Tangerine Road. The combination of sites in this Project could recharge approximately 9,000 AF per year if the diameter of the delivery pipeline were 24 inches. With a larger pipeline, the capacity at this project could reach 15,000 AF per year.

Lower Santa Cruz River Flood Control and Replenishment Project. This potential recharge project would be an additional feature of the Lower Santa Cruz River Flood Control Project, which is currently being planned by the Pima County Flood Control District. The maximum recharge potential of this project is estimated to be 90,000 AF per year. MDWID and Pima County are currently considering constructing this recharge project.

A.2 PHOENIX AMA: UNDERGROUND STORAGE FACILITIES

Agua Fria River Recharge Project. The Agua Fria River Recharge Project ("AFRRP") will be a constructed underground storage facility wholly owned by CAWCD. In 1986, the City of Phoenix initiated a feasibility study for this project. In 1989, Phoenix obtained a pilot project permit from ADWR for this project.

The permits have now expired. Phoenix has completed most of the design work for the facility and has offered to sell whatever interest it may have in the project to CAWCD.

As currently designed, the AFRRP facility would be an off-channel recharge facility located four miles south of the CAP canal on the west bank of the Agua Fria River near Jomax Road. Initially, the facility would consist of four spreading basins and a delivery pipeline from the CAP canal to the basins. The initial storage capacity of the facility is estimated to be 30,000 AF per year. The total capital cost of the facility is estimated to be in the range of \$3 million to \$7 million. CAWCD intends to use state demonstration funds to finance the capital cost of this facility.

If the initial phase of AFRRP proves successful, CAWCD would study the feasibility of expanding the capacity of the facility to 90,000 AF per year.

Further, in light of recent legislation authorizing the accrual of stored water credits through instream recharge, the CAGRD intends to study the feasibility of utilizing the natural channel of the Agua Fria to recharge water, either in conjunction with, or instead of, the currently designed AFRRP.

Avondale Recharge Project. The Avondale Recharge Project ("ARP") will be a constructed underground storage facility jointly owned by CAWCD and the City of Avondale. CAWCD and Avondale are

negotiating the terms of an intergovernmental agreement to provide for the construction, financing, operation and allocation of ownership of the ARP.

The ARP facility will be an off-channel recharge facility located adjacent to the Agua Fria River between McDowell and Thomas Roads. Initially, the facility will consist of one spreading basin and a delivery pipeline from the SRP distribution system to the basin. Avondale will construct a wetland treatment facility with its own funds adjacent to the recharge basins. The CAGRCD will store excess CAP water in the facility and is planning to have the Salt River Project ("SRP") wheel this water from the CAP-SRP Interconnection Facility through its system for delivery to the ARP facility. SRP has indicated a willingness to wheel CAP water through its system for this purpose. The initial storage capacity of the facility under the pilot permit is limited to 5,000 AF per year. The total capital cost of the ARP facility and the wetland treatment facility is estimated to be \$7 million. CAWCD's share of the capital costs of the ARP facility is estimated to be \$2 million. CAWCD will not contribute any monies for the construction of the wetland treatment facility. CAWCD plans to use state demonstration funds to finance its share of the capital cost of the ARP facility.

If the initial phase of the ARP proves successful, CAWCD and Avondale will study the feasibility of expanding the capacity of the ARP facility to 40,000 AF per year.

Granite Reef Underground Storage and Recovery Project. The Granite Reef Underground Storage and Recovery Project ("GRUSP") is a constructed underground storage facility jointly owned by Salt River Project, the cities of Chandler, Mesa, Phoenix, Tempe and Scottsdale, and the Town of Gilbert (the "GRUSP Participants"). CAWCD will not own any storage capacity in the GRUSP facility. However, CAWCD has executed a lease with the GRUSP participants to lease storage capacity in the facility during 1994 and 1995.

The GRUSP facility is an off-channel recharge facility located three miles downstream from the Granite Reef Diversion Dam on the north side of the Salt River. The facility consists of four spreading basins. The storage capacity of these basins is estimated to be from 70,000 to 100,000 AF per year. The ultimate storage capacity of the facility could be 200,000 AF per year.

CAWCD plans to store up to 60,000 AF of excess CAP water in GRUSP during 1994. Further, SRP has advised CAWCD that there is sufficient available capacity in GRUSP for CAWCD to lease 60,000 AF of capacity in 1995. Under the lease, CAWCD's cost to recharge excess CAP water in the GRUSP facility is about \$20 an acre-foot. (This cost does not include the cost of excess CAP water, which for 1994 is \$70 an acre-foot.) CAWCD intends to use state demonstration funds to purchase excess CAP water and to pay the costs of recharging such water in the GRUSP facility.

Other potential recharge sites have been identified in the

Phoenix AMA. CAWCD is not actively pursuing these sites at this time. However, CAWCD or the CAGRD will most likely construct additional underground storage projects in the Phoenix AMA. The location, development and timing of such construction will be dependent upon, among other things: the demand for replenishment services in the Phoenix AMA, the effectiveness and storage capability of the AFRRP and ARP facilities, the extent and availability of indirect recharge projects in the AMA.

The other sites that have been identified in various studies⁷ as potential recharge sites are as follows:

New River Recharge Project. This potential site is located about 1.5 miles south of the CAP canal, just below the Upper New River Dam. The estimated recharge potential of this site is 225,000 AF per year.

Skunk Creek Recharge Project. This potential site is located behind Skunk Creek Dam, near Deer Valley Road and 35th Avenue, about 3.5 miles south of the CAP canal. The estimated recharge potential of this site is 40,000 AF per year.

Cave Creek Recharge Project. Two potential sites have been identified within 1.5 miles south of the CAP canal in or by the Cave Creek Wash. The combined estimated recharge potential of

⁷ The studies which identify the potential recharge sites are listed in Section IV.

these sites is 250,000 AF per year.

Indian Bend Wash Recharge Project. This potential site is located next to the CAP canal at the Indian Bend Wash. The estimated recharge potential of this site is 105,000 AF per year.

Queen Creek Recharge Project. This potential site is located just west of the CAP canal in the channel of Queen Creek. The estimated recharge potential of this site is 385,000 AF per year.

A.3 PINAL AMA: UNDERGROUND STORAGE FACILITIES

Property owners in Pinal County are not contributing any taxes to the state water storage fund; therefore, there are no state demonstration funds available to finance the construction of underground storage facilities in the Pinal AMA. However, because the Pinal AMA management goal allows continued, long-term groundwater depletions, the CAGRDR estimates that it will have no replenishment obligation for the Pinal AMA over the next 20 years. Thus, at the present time, the construction of underground storage facilities in the Pinal AMA is not economically justified.

A potential recharge site has been identified in the Pinal AMA. This potential site is located at Picacho Reservoir using McClellan Wash as a conduit to transport excess CAP water to the Reservoir. Water levels in the area are estimated to be 300 feet. There are, however, no current estimates of the annual recharge

potential of this site.

B. GROUNDWATER SAVINGS PROJECTS

Groundwater savings projects ("GS projects") are generally much less expensive than constructed underground storage facilities which directly add water to aquifers, because the capital costs for GS projects are limited to the costs of the connection facilities needed to convey water from the CAP canal to the farmer/recipient. Additionally, as a general rule, the farmer/recipient will pay a portion of the cost of water to be delivered from the CAP canal, which further reduces the cost of this type of storage.

B.1 PHOENIX AMA: GROUNDWATER SAVINGS PROJECTS

In 1992 and 1993, CAWCD participated in six separate GS projects in the Phoenix Active Management Area ("AMA") and anticipates it will earn a total of 173,926 AF of stored water credits.⁸ The recipients under these projects and the amounts of in lieu water delivered by CAWCD are as follows: (1) Tonopah Irrigation District, 23,465 AF; (2) Roosevelt Water Conservation District, 27,440 AF; (3) Queen Creek Irrigation District, 52,927 AF; (4) San Tan Irrigation District, 8,387 AF; (5) Chandler Heights Citrus Irrigation District, 3,425 AF; and (6) New Magma Irrigation District, 58,282 AF.

⁸ ADWR has not yet approved CAWCD's stored water credits for 1993. The numbers in this section represent 1992 credits earned by CAWCD, plus the amount of in-lieu water delivered to the above named recipients during 1993.

The permits issued to CAWCD which name the above entities as recipients of in lieu water allow CAWCD to earn the following maximum annual volumes of stored water credits: (1) Tonopah Irrigation District, 15,000 AF per year; (2) Roosevelt Water Conservation District, 50,000 AF per year; (3) Queen Creek Irrigation District, 28,000 AF per year; (4) San Tan Irrigation District, 5,000 AF per year; (5) Chandler Heights Citrus Irrigation District, 3,000 AF per year; and (6) New Magma Irrigation District, 40,000 AF per year. Each of these permits expires on December 31, 1995.

Depending on the demand for replenishment services and the cost of alternative methods of replenishment in the Phoenix AMA, the CAGRD may pursue the necessary agreements with some or all of these recipients to enable the CAGRD to seek the appropriate permits from ADWR to continue these GS projects. If granted, these permits would allow the CAGRD to generate long-term storage credits which, by law, may be used to satisfy the CAGRD's groundwater replenishment obligation for the Phoenix AMA.

B.2 TUCSON AMA: GROUNDWATER SAVINGS PROJECTS

In 1993, CAWCD participated in two GS projects in the Tucson AMA and anticipates it will earn a total of 2,900 AF of stored water credits. (ADWR has not yet approved CAWCD's stored water credits for 1993.) The recipients under these projects and the amounts of in lieu water delivered by CAWCD are: (1) Cortaro-Marana

Irrigation District ("CMID"), 2,650 AF⁹; and (2) BKW Farms, 250 AF.

The CMID and BKW Farms permits allow CAWCD to earn a maximum annual volume of stored water credits of 10,000 AF and 8,800 AF, respectively. Current installed pumping capacity at the CMID site is approximately 10,000 AF per year. During 1993, installed pumping capacity at the BKW Farms site was only 2,000 AF per year. Current installed pumping capacity at BKW Farms is 4,000 AF per year. The volume of stored water credits earned at these two projects in 1993 was less than the permitted capacities, because, in part, the facilities for delivery of in lieu water to these sites were not installed until mid-1993. The BKW permit expires on December 31, 2002. The CMID permit expires on December 31, 2003. CAWCD was a co-permittee with Santa Cruz Valley Water District ("SCVWD") for both of these projects. However, SCVWD recently transferred its interest in these permits to CAWCD and dedicated its 50 percent ownership interest in the CMID-CAP intertie to CAWCD.

CAWCD and BKW Farms have negotiated an agreement which grants CAWCD a right of first refusal to 2,000 AF of annual storage capacity at the BKW site. This agreement would protect CAWCD's access to the BKW facility in the event that other water users desire to earn storage credits at the BKW facility.

⁹ CAWCD has agreed to assign 2,000 AF of these stored water credits to Community Water Company of Green Valley.

In addition to CMID and BKW Farms, there are several other farming entities within the Tucson AMA which could be recipients of in lieu water under a groundwater savings permit. These entities are: Avra Valley Irrigation District, FICO, and Picacho Pecans. Depending on the demand for replenishment services and the cost of alternative methods of replenishment in the Tucson AMA, the CAGRD may pursue the necessary agreements with some or all of these entities to enable the CAGRD to seek the appropriate permits from ADWR to continue and/or initiate GS projects.

B.3 PINAL AMA: GROUNDWATER SAVINGS PROJECTS

In 1992 and 1993, CAWCD participated in three separate GS projects in the Pinal AMA and anticipates it will earn a total of 396,757 AF of stored water credits.¹⁰ The recipients under these projects and the estimated amounts of in lieu water delivered by CAWCD are: (1) Maricopa-Stanfield Irrigation and Drainage District ("MSIDD"), 184,065 AF; (2) Hohokam Irrigation and Drainage District ("HIDD"), 60,164 AF; and (3) Central Arizona Irrigation and Drainage District ("CAIDD"), 152,528 AF.

The permits issued to CAWCD which name the above entities as recipients of in lieu water allow CAWCD to earn the following maximum annual volumes of stored water credits: (1) MSIDD, 120,000 AF per year; (2) HIDD, 40,000 AF per year; and (3) CAIDD, 110,000

¹⁰ ADWR has not yet approved CAWCD's stored water credits for 1993. The numbers in this section represent 1992 credits earned by CAWCD, plus the amount of in-lieu water delivered to the above named recipients during 1993.

AF per year. Each of these permits expires on December 31, 1995.

Again, depending on the demand for replenishment services and the cost of alternative methods of replenishment in the Pinal AMA, the CAGRD may pursue the necessary agreements with some or all of the above recipients to enable the CAGRD to seek the appropriate permits from ADWR to continue these GS projects.

IV. POTENTIAL GROUNDWATER REPLENISHMENT SITES IN EACH GROUNDWATER SUB-BASIN

Table 4 identifies the potential groundwater replenishment sites in each groundwater sub-basin within the Phoenix, Pinal, and Tucson AMAs.

TABLE 4
Potential Recharge Sites

AMA	Subbasin	Project/Site	Project Type	Report Reference
Phoenix	Hassayampa	Big Horn Valley	SB	5
		Hotrock-Flatiron Basin	SB	5
		Jackrabbit Wash	SB/IR	5
		Tonopah Cone of Depr.	SB	5
		Tonopah Desert	SB	5
	Lake Pleasant	Biscuit Flat	SB	5
	WSRV	Agua Fria River (Various Sites)	SB/IR	1,3,5
		Cave Creek	SB/IR	1,5
		Deer Valley Cone of Depr.	SB/IW	5
		Luke Cone of Depr.	SB/IR	5
		McMicken Dam	SB	3, 5
		New River	SB/IR	1,3,5
		Skunk Creek	SB	1,5
	ESRV	Cave Buttes Dam Sites	SB	3
		Chandler Heights Cone of Depr.	SB	5
		GRUSP	SB	5
		Indian Bend Wash (2 Sites)	SB/IR	1,5
		Mesa Cone of Depr.	SB	5
		Queen Creek	SB	1,3,5
		Rio Salado/Lower Salt River	SB/IR	5
		Salt River Below GRUSP	SB	1
		Scottsdale Cone of Depr.	SB	5
Pinal	MS	Maricopa-Stanfield Cone of Depr.	SB	5
	MS/Eloy	Arizona City Cone of Depr.	SB	5
		North Casa Grande Cone of Depr.	SB	5
	Eloy	Coolidge Washes	SB/IR	5
		Eloy Cone of Depr.	SB	5
		McClellans Wash	SB	5
		Picacho Reservoir	SB/IR	--

TABLE 4
Potential Recharge Sites

AMA	Subbasin	Project/Site	Project Type	Report Reference
Tucson	Avra Valley	Avra Valley	SB	6
		Brawley Wash (Several Sites)	SB/IR	2,4
		North Avra Valley Site	SB	2
		South Avra Valley Site	SB	2
	USCV	Cañada Del Oro/Big Wash	SB/IR	4,6
		Pantano Wash	SB/IR	4
		Pima Mine Road Site	SB	2,6
		Rillito River	SB/IR	4
		Santa Cruz R.- Downtown Tucson	IR	4,6
		Santa Cruz River - San Xavier District	IR	4,6
		Santa Cruz River (Various Other Sites)	SB	2,4
		Tanque Verde Creek	SB/IR	4
		Tucson Area Wells (Various Sites)	IW	4,6

Key:

WSRV - West Salt River Valley

ESRV - East Salt River Valley

MS - Maricopa-Stanfield

USCV - Upper Santa Cruz Valley

SB - Spreading Basins

IR - Instream Recharge

IW - Injection Wells

Reports:

1 Camp Dresser & McKee, Inc., et al., Arizona Municipal Water Users Association, Feasibility Study Report, Riverbed Recharge Project (1986)

2 CH2M Hill, Central Arizona Water Conservation District, Terminus Recharge Site Evaluation (1991)

3 CH2M Hill, et al., Flood Control District of Maricopa County, Groundwater Recharge Feasibility Investigation (1988)

4 CH2M Hill, Tucson Water, Tucson Recharge Feasibility Assessment (1989)

5 Franson, Jay W., Central Arizona Water Conservation District, Opportunities for Groundwater Recharge in Arizona (1987)

6 CH2M Hill, Santa Cruz Valley Water District, Plan of Permanent Operation and Administration, Volume II, Water Resource Augmentation Plan (1993)

**V. THE CAGRD'S FINANCIAL
CAPABILITIES AND FINANCIAL
REQUIREMENTS**

A. AN OVERVIEW

By statute, the CAGRD has two sources of money to fund its replenishment activities: (1) monies advanced by CAWCD from its non-replenishment accounts (monies advanced will bear interest at a rate determined by the CAWCD Board of Directors), A.R.S. § 48-3713.01, and (2) annual replenishment assessments and taxes levied by the CAGRD and collected from members for replenishment services (a "replenishment assessment" is levied against member lands, a "replenishment tax" is levied against member providers) A.R.S. § 48-3772.A.3.

Under existing law, the CAGRD will generate no revenues through replenishment assessments and taxes unless and until it is actually replenishing groundwater for members. See A.R.S. §§ 48-3778.A and 48-3781.B. That is, the CAGRD cannot levy replenishment assessments or taxes on its members unless the member has actually delivered or used "excess groundwater." "Excess groundwater" is groundwater delivered in excess of the amount that may be delivered consistent with the AWS Rules.

Because of a unique provision in the AWS Rules, it is conceivable that some CAGRD members will not use any excess

groundwater and, hence, will not require replenishment services, until sometime after 2010. As discussed in Section I.B.2 above, under the AWS Rules, ADWR will establish a groundwater account for each CAGR member. This account will be credited with a certain volume of groundwater that may be used by the member as it phases in the use of alternative supplies. The practical effect of granting these allowable groundwater credits to members is that, if a member uses its cheapest source of water first (i.e., its allowable groundwater credits), the member may not use or deliver any excess groundwater until sometime after 2010.

In addition to the allowable groundwater credits, the draft AWS Rules grant a three-year grace period to applicants for assured water supply designations. That is, under the draft rules, if a municipal provider which is not a deemed provider in the Tucson, Phoenix, or Pinal AMA files a complete and correct application for an assured water supply designation within six months of the effective date of the AWS Rules (this date is currently anticipated to be January 1, 1995), such provider will be given three calendar years before the groundwater restrictions in the rules go into effect. Further, if a deemed provider timely files an application to be redesignated before December 31, 1997, such provider will also be given three calendar years before the groundwater restrictions in the rules go into effect. Thus, it is apparent that the CAGR may, in fact, have members as early as 1995 but, in light of the allowable groundwater credits and the grace periods, many members will not have to use or deliver excess groundwater

until many years after joining the CAGRD.

Under current law, if a member is not using or delivering excess groundwater in a given year, it does not need the replenishment services of the CAGRD. In turn, if the CAGRD is not providing replenishment services to its members in a given year, it cannot generate revenues through its replenishment taxes or assessments. Under such circumstances, the CAGRD would have to borrow money from CAWCD to cover its operating expenses for that year.

The CAGRD does not intend to rely on deficit spending to finance its operating expenses for the next eight to ten years. Accordingly, the CAGRD intends to seek changes to its authorizing legislation or to the AWS Rules which will allow the CAGRD to replenish groundwater in advance when it is cheaper and in abundant supply and to generate revenue in advance of actual demand for replenishment services.

Preliminarily, the CAGRD has identified several possible legislative solutions. One solution would be to require that, for purposes of computing members' parcel replenishment obligations or service area replenishment obligations, the amount of groundwater that may be used on member land or delivered within a member service area must be reduced on a straight-line basis over a prescribed period of years. The current CAGRD legislation contemplates that the calculation of a member's replenishment

obligation would be based upon a mandatory straight line reduction of groundwater use over a period of 15 years. See A.R.S. § 48-3775.D. However, intervening changes in the draft AWS Rules have rendered this statutory provision meaningless.

A second solution would be to allow the CAGRD to replenish a certain percent of a member's 20 or 50 year replenishment obligation in advance, i.e., before a member is actually pumping excess groundwater. Under existing law, the CAGRD may replenish in advance an amount of groundwater in addition to the amount of groundwater required to complete its replenishment obligation. However, the law strictly limits the CAGRD as to the amount of additional groundwater it may replenish in advance in any year. (The maximum amount of additional replenishment for which members may be taxed in a given year is limited to 20 percent of the CAGRD's replenishment obligation for the previous year. Further, the total amount of additional groundwater replenished in advance by the CAGRD at a particular time and not applied to the replenishment obligation may not exceed the estimated replenishment obligation for that year.)

A third solution would be to establish a minimum "take or pay" amount of replenishment water for members which would provide some revenue to the CAGRD and accomplish some recharge while preserving flexibility for members to use their excess groundwater as they think best. Finally, a fourth option would be to separate the CAGRD's administrative costs from the cost of actual replenishment

and allow the CAGRD to bill separately for each.

Each of the above solutions would allow the CAGRD to generate tax and/or assessment revenues during its early years of operation when its replenishment obligation may be very small or nonexistent. These solutions would also permit the CAGRD to level out its replenishment activities over the first twenty years of operation, (while there is more than an ample supply of excess CAP water) rather than sitting idly until 2010 or 2015 and then experiencing a sudden and significant demand for replenishment services. Moreover, the cost of excess CAP water, as well as the cost to recharge that water, will be lower during the next few years than it will be in 2010 or 2015, which adds further merit to a solution which allows the CAGRD to gradually phase in its replenishment activities.

The CAGRD intends to commence the process of identifying and implementing a plan to solve its cash-flow problem as soon as possible. The CAGRD will consult with potential members, ADWR, and other interested parties before identifying a plan. This process will take some time. Therefore, in the interim the CAGRD intends to borrow money from CAWCD to finance its operating costs for 1994, 1995 and, if necessary, 1996. At the Board meeting held on May 5, 1994, the CAWCD Board of Directors approved a transfer of \$75,000 from its general fund to the CAGRD fund to cover operating expenses for 1994. The CAGRD will use these funds to develop a solution to the problem set forth above as well as to prepare standard form

member contracts, set up an accounting system for replenishment credits, process initial applications for membership, and for miscellaneous expenses. Requests for funding for 1995 and, if necessary, 1996 will be made prior to each of those years.

B. COSTS OF REPLENISHMENT

Costs of the CAGRD will be covered by a replenishment tax or assessment ("replenishment tax") levied on CAGRD members. By statute, the amount of the replenishment tax shall be the total cost per acre-foot of recharging groundwater including capital, operation, maintenance, replacement and administration. A.R.S. § 48-3772.A.2. The replenishment tax will be calculated separately for each AMA.

The replenishment tax will consist of four cost components. The first component is the cost of water. The CAGRD intends to use excess CAP water for replenishment purposes through 2014. The price of excess CAP water is set annually by the CAWCD Board of Directors. The price of excess CAP water will, at a minimum, be equal to the price of CAP M&I water. The CAWCD Board has projected a water rate schedule for CAP M&I water through the year 2011. Table 5 shows the water rate schedule adopted by the CAWCD Board. The water rates for the current year and the succeeding four years are firm rates. However, the CAWCD Board has the discretion to change the water rates in the schedule for any year following the fourth year succeeding the current year.

The second component of the replenishment tax includes the capital costs, if any, of constructing recharge facilities. If necessary, the CAGRD shall advance the capital costs of constructing recharge facilities. These capital costs shall be amortized with interest at market rates based on the useful life of the capital improvements as determined by the CAWCD Board. A.R.S. § 48-3713.B.9. However, to the extent that excess storage capacity is available in recharge facilities constructed with state demonstration funds, the CAGRD intends to use such state demonstration facilities for replenishment. By statute, no capital component may be included in the cost of replenishing water at a state demonstration facility. A.R.S. § 45-895.01.

The third component of the replenishment tax includes the costs of operating, maintaining, and replacing the replenishment facilities. It is uncertain what these costs will be. However, as one example, CAWCD is paying about \$20 per acre-foot to store water in GRUSP during 1994. (This \$20 per acre-foot is in addition to the per acre-foot cost for excess CAP water.)

The final component of the replenishment tax includes the administrative costs of the CAGRD. It is anticipated that, for at least the next five years, the total administrative costs of the CAGRD will be about \$125,000 per year, plus annual inflation, which is estimated to range from 2 percent to 5 percent. The CAWCD Board has advanced \$75,000 to cover CAGRD administrative costs for the period of June through December 1994. It is anticipated that the

CAWCD Board will be requested to advance \$125,000 to cover CAGRD administrative costs for 1995. To the extent that CAGRD administrative costs are not repaid with revenues the year in which they are incurred, such costs will be capitalized and recovered as capital costs.

TABLE 5
SCHEDULE OF CAP M&I WATER RATES

YEAR	RATE
1994	\$70.00
1995	\$82.00
1996	\$93.00
1997	\$106.00
1998	\$119.00
1999	\$130.00
2000	\$141.00
2001	\$145.00
2002	\$147.00
2003	\$148.00
2004	\$158.00
2005	\$158.00
2006	\$157.00
2007	\$157.00
2008	\$157.00
2009	\$157.00
2010	\$157.00
2011	\$157.00

**VI. THE CAGRD'S CURRENT CAPABILITY TO MEET
ITS GROUNDWATER REPLENISHMENT OBLIGATIONS
FOR THE PERIOD FROM 1995 THROUGH 1999**

A. PHOENIX AMA

According to the CAGRD's most liberal demand estimates, its replenishment obligation for the Phoenix AMA during the period from 1995 through 1999 will be 4,421 AF. According to these estimates, the first year in which the CAGRD will incur a replenishment obligation will be 1995, in the amount of 263 AF. The estimated obligations for 1996, 1997, 1998 and 1999 are, respectively: (1) 561 AF, (2) 881 AF, (3) 1,199 AF and (4) 1,517 AF.

The CAGRD has several means by which it can satisfy its replenishment obligation for these years. First, the CAGRD could purchase stored water credits from CAWCD. CAWCD earned approximately 66,711 AF of stored water credits which it has accrued through the operation of indirect recharge projects in the Phoenix AMA during 1992 (CAWCD assigned 12,482 AF of these credits to the City of Goodyear). Additionally, CAWCD anticipates it will earn 107,215 AF of stored water credits for in lieu water delivered to recipients in the Phoenix AMA during 1993, of which 11,000 AF will be assigned to Goodyear. The amount of stored water credits available far exceeds the CAGRD's most liberal estimate of its replenishment obligation. The credits would be sold to the CAGRD at a price set by the CAWCD Board of Directors. Presumably, the

minimum price for these credits would be CAWCD's then current cost of replacing such credits.

Second, direct recharge is expected to be available through GRUSP, the Avondale Recharge Project, and the Agua Fria River Recharge Project. Construction of GRUSP is complete. CAWCD plans to store a significant amount of excess CAP water in GRUSP during 1994 and 1995. This water will be purchased and recharged with state demonstration funds. Under recently enacted legislation, in 1996 a portion of these state demonstration stored water credits will be transferred to the CAGRD for the benefit of its members. Construction of the Avondale and Agua Fria River projects is expected to be complete in 1996.

Finally, the CAGRD could accrue its own stored water credits through the initiation of one or several GS projects with the farmer/recipients identified above in Section III.B.1.

B. TUCSON AMA

According to the CAGRD's most liberal demand estimates, its replenishment obligation for the Tucson AMA during the period from 1995 through 1999 will be 12,280 AF. According to these estimates, the first year in which the CAGRD will incur a replenishment obligation will be 1995, in the amount of 83 AF. The estimated obligations for 1996, 1997, 1998 and 1999 are, respectively: (1) 172 AF, (2) 298 AF, (3) 5,703 AF and (4) 6,024 AF.

The CAGRD has several means by which it can satisfy its replenishment obligation for these years. First, the CAGRD could purchase stored water credits from CAWCD. CAWCD anticipates having 900 AF of stored water credits which it will accrue through the operation of GS projects with CMID and BKW Farms in 1993. Again, the credits would be sold to the CAGRD at a price set by the CAWCD Board of Directors.

Second, the CAGRD could accrue its own stored water credits as early as 1995 through the initiation of GS projects with CMID and BKW Farms. If necessary and economically feasible, the CAGRD may also initiate additional GS projects with Avra Valley Irrigation District, Picacho Pecans or FICO.

Finally, there is no significant replenishment demand for the Tucson AMA until 1998. By statute, the CAGRD has three years after the year in which the replenishment obligation is incurred to complete replenishment. The CAGRD anticipates that the Avra Valley Pilot Project will be constructed by the end of 1995. Further, the Pima Mine Road Recharge Project should be constructed by the end of 1996. The combined estimated storage capacity of these two facilities under the pilot permits is 20,000 AF. The combined estimated storage capacity of these two facilities as full-scale recharge facilities is between 25,000 to 50,000 AF per year. The amount of annual storage capacity that CAWCD will own at these two sites exceeds the total replenishment obligation for the Tucson AMA during the five-year period from 1995 through 1999.

C. PINAL AMA

According to the CAGRD's most liberal demand estimates, its replenishment obligation for the Pinal AMA during the period from 1995 through 1999 will be 110 AF. The CAGRD would most likely purchase stored water credits from CAWCD to satisfy this obligation. CAWCD currently has 163,364 AF of stored water credits which it has accrued through the operation of GS projects in the Pinal AMA during 1992. 100,000 AF of stored water credits were earned by CAWCD for the potential benefit of California and Nevada pursuant to the demonstration interstate recharge program. While the account(s) from which these credits would be transferred has not been identified, it is reasonable to assume that such credits would be transferred from these Pinal County accounts. Additionally, CAWCD anticipates that it will earn 233,393 AF of stored water credits for in lieu water delivered to recipients in the Pinal AMA during 1993.

APPENDIX A

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 AVONDALE																					
Population inside SRP	11,341	12,398	13,269	14,140	15,010	15,881	16,752	17,926	19,100	20,274	21,448	22,622	24,479	26,336	28,192	30,049	31,906	34,316	36,726	39,137	41,547
Demand in SRP (AF)	2,283	2,461	2,603	2,741	2,875	3,005	3,132	3,325	3,516	3,703	3,886	4,066	4,367	4,663	4,954	5,240	5,521	5,899	6,272	6,639	7,001
Population outside SRP	12,577	12,587	13,112	13,637	14,162	14,687	15,212	15,382	15,552	15,723	15,893	16,063	16,105	16,147	16,189	16,231	16,273	16,370	16,466	16,563	16,659
Demand Outside SRP (AF)	2,532	2,498	2,572	2,644	2,713	2,779	2,844	2,853	2,863	2,871	2,880	2,887	2,873	2,859	2,845	2,830	2,816	2,814	2,812	2,810	2,807
TOTAL POPULATION	23,918	24,985	26,381	27,777	29,172	30,568	31,964	33,308	34,652	35,997	37,341	38,685	40,584	42,483	44,381	46,280	48,179	50,686	53,193	55,699	58,206
TOTAL WATER DEMAND	4,816	4,959	5,175	5,385	5,588	5,785	5,975	6,179	6,378	6,574	6,766	6,954	7,241	7,522	7,799	8,070	8,336	8,713	9,083	9,448	9,808
Conservation GPCD	180	177	175	173	171	169	167	166	164	163	162	160	159	158	157	156	154	153	152	151	150
Water Sources:																					
SRP Surface Water	2,283	2,461	2,603	2,741	2,875	3,005	3,132	3,325	3,516	3,703	3,886	4,066	4,367	4,663	4,954	5,240	5,521	5,899	6,272	6,639	7,001
GW - No Designation	2,532	2,498	2,572	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644
CAP - Recharge/Exch	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	1,399	11,031	20,662	30,294	39,925	49,557	54,516	59,511	64,506	69,502	74,497	83,703	92,918	102,133	111,348	120,540	123,750	126,965	130,180
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	1,399	0	0	0	0	0	0	36	36	36	36	36	45	45	45	22	22	27	27	27
IGFR Credits (+)	--	0	9,631	9,631	9,631	9,631	9,631	4,959	4,959	4,959	4,959	4,959	9,170	9,170	9,170	9,170	9,170	3,187	3,187	3,187	3,187
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	1,399	11,031	20,662	30,294	39,925	49,557	54,516	59,511	64,506	69,502	74,497	83,703	92,918	102,133	111,348	120,540	123,750	126,965	130,180	133,394

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 BUCKEYE																						
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	10,377	10,637	10,804	10,971	11,138	11,305	11,472	11,607	11,743	11,878	12,014	12,149	12,395	12,641	12,888	13,134	13,380	15,816	18,252	20,687	23,123
	Demand Outside SRP (AF)	1,926	1,983	2,018	2,053	2,089	2,125	2,161	2,190	2,219	2,247	2,276	2,306	2,358	2,410	2,463	2,516	2,569	3,069	3,579	4,099	4,630
	TOTAL POPULATION	10,377	10,637	10,804	10,971	11,138	11,305	11,472	11,607	11,743	11,878	12,014	12,149	12,395	12,641	12,888	13,134	13,380	15,816	18,252	20,687	23,123
	TOTAL WATER DEMAND	1,926	1,983	2,018	2,053	2,089	2,125	2,161	2,190	2,219	2,247	2,276	2,306	2,358	2,410	2,463	2,516	2,569	3,069	3,579	4,099	4,630
	Conservation GPCD	166	166	167	167	167	168	168	168	169	169	169	169	170	170	171	171	171	173	175	177	179
<u>Water Sources:</u>																						
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	1,926	1,983	2,018	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053
	GW - Waterlog	0	0	0	0	36	71	107	136	165	194	223	252	304	357	409	462	515	1,015	1,526	2,046	2,576
	CAP - Recharge/Exch	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
	B.O.Y. Balance	--	0	3,465	3,863	7,615	11,442	15,345	17,467	19,629	21,708	23,788	25,868	27,947	30,027	32,332	34,637	36,942	38,095	39,248	40,400	41,553
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	3,465	398	3,752	3,827	3,903	2,122	2,162	2,080	2,080	2,080	2,080	2,080	2,305	2,305	2,305	1,153	1,153	1,153	1,153	1,153
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	3,465	3,863	7,615	11,442	15,345	17,467	19,629	21,708	23,788	25,868	27,947	30,027	32,332	34,637	36,942	38,095	39,248	40,400	41,553	42,705

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 GOODYEAR																					
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP	10,868	11,658	12,736	13,814	14,892	15,970	17,048	18,935	20,821	22,708	24,594	26,481	29,325	32,169	35,013	37,857	40,701	44,295	47,889	51,484	55,078
Demand Outside SRP (AF)	3,639	3,907	4,270	4,633	4,997	5,362	5,726	6,362	6,999	7,636	8,273	8,911	9,870	10,830	11,790	12,751	13,712	14,925	16,138	17,351	18,565
TOTAL POPULATION	10,868	11,658	12,736	13,814	14,892	15,970	17,048	18,935	20,821	22,708	24,594	26,481	29,325	32,169	35,013	37,857	40,701	44,295	47,889	51,484	55,078
TOTAL WATER DEMAND	3,639	3,907	4,270	4,633	4,997	5,362	5,726	6,362	6,999	7,636	8,273	8,911	9,870	10,830	11,790	12,751	13,712	14,925	16,138	17,351	18,565
Conservation GPCD	299	299	299	299	300	300	300	300	300	300	300	300	300	301	301	301	301	301	301	301	301
Water Sources (AF):																					
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation	3,639	3,907	4,270	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633
MCMWCD Water	0	0	0	0	0	202	252	277	302	327	352	377	402	427	453	478	503	553	604	654	705
CAP - Recharge/Exch	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	301	914	1,527	2,461	3,395	4,330	5,266	6,202	7,364	8,527	9,690	10,853
GW Account (AF):																					
B.O.Y. Balance	--	0	60,881	70,612	82,231	93,853	105,477	112,855	129,948	147,443	164,938	182,432	199,927	208,573	217,396	226,219	235,041	241,146	257,265	273,383	289,501
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	60,881	7,208	9,096	9,099	9,101	4,855	4,856	5,258	5,258	5,258	5,258	5,258	5,435	5,435	5,435	2,718	2,718	2,718	2,718	2,718
IGFR Credits (+)	--	0	2,523	2,523	2,523	2,523	2,523	12,236	12,236	12,236	12,236	12,236	12,236	3,387	3,387	3,387	3,387	3,387	13,400	13,400	13,400
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	60,881	70,612	82,231	93,853	#####	112,855	129,948	147,443	164,938	182,432	199,927	208,573	217,396	226,219	235,041	241,146	257,265	273,383	289,501	305,619

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 TOLLESON																						
	Population inside SRP	4,793	4,880	5,046	5,212	5,377	5,543	5,709	6,016	6,322	6,629	6,935	7,242	7,923	8,604	9,284	9,965	10,646	11,385	12,124	12,863	13,602
	Demand in SRP (AF)	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
	Population outside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand Outside SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL POPULATION	4,793	4,880	5,046	5,212	5,377	5,543	5,709	6,016	6,322	6,629	6,935	7,242	7,923	8,604	9,284	9,965	10,646	11,385	12,124	12,863	13,602
	TOTAL WATER DEMAND	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
	Conservation GPCD	307	307	305	304	303	302	301	300	299	297	296	295	293	292	290	289	287	286	286	285	284
Water Sources (AF):																						
	SRP Surface Water	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
	GW - No Designation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MCMWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Recharge/Exch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	0	0	0	0	0	0	1,371	2,742	4,113	5,485	6,856	9,304	11,752	14,200	16,648	19,096	19,096	19,096	19,096
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	0	0	0	0	0	1,371	1,371	1,371	1,371	1,371	2,448	2,448	2,448	2,448	2,448	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	0	0	0	0	0	0	1,371	2,742	4,113	5,485	6,856	9,304	11,752	14,200	16,648	19,096	19,096	19,096	19,096	19,096

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 YOUNGTOWN																						
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Population outside SRP	2,649	2,673	2,691	2,708	2,726	2,743	2,761	2,776	2,791	2,805	2,820	2,835	2,858	2,882	2,905	2,929	2,952	2,978	3,004	3,031	3,057	
Demand Outside SRP (AF)	1,009	1,014	1,018	1,022	1,026	1,030	1,034	1,037	1,040	1,044	1,047	1,050	1,056	1,061	1,066	1,071	1,077	1,083	1,088	1,094	1,100	
TOTAL POPULATION	2,649	2,673	2,691	2,708	2,726	2,743	2,761	2,776	2,791	2,805	2,820	2,835	2,858	2,882	2,905	2,929	2,952	2,978	3,004	3,031	3,057	
TOTAL WATER DEMAND	1,009	1,014	1,018	1,022	1,026	1,030	1,034	1,037	1,040	1,044	1,047	1,050	1,056	1,061	1,066	1,071	1,077	1,083	1,088	1,094	1,100	
Conservation GPCD	340	339	338	337	336	335	334	334	333	332	331	331	330	329	328	327	326	324	323	322	321	
Water Sources (AF):																						
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW - No Designation	1,009	1,014	1,018	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	
CAP - Recharge/Exch	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	371	410	455	499	543	567	590	613	636	659	682	706	733	760	786	800	813	827	840	
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Allocation (+)	--	371	39	45	45	44	23	23	23	23	23	23	23	27	27	27	13	13	13	13	13	
IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	371	410	455	499	543	567	590	613	636	659	682	706	733	760	786	800	813	827	840	854	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 PEORIA																					
Population inside SRP	46,302	47,293	49,364	51,435	53,505	55,576	57,647	58,767	59,887	61,008	62,128	63,248	63,902	64,555	65,209	65,862	66,516	67,091	67,666	68,240	68,815
Demand in SRP (AF)	10,179	10,282	10,632	10,974	11,308	11,634	11,951	12,100	12,246	12,389	12,529	12,665	12,746	12,826	12,905	12,982	13,059	13,128	13,196	13,263	13,329
Population outside SRP	19,615	21,647	23,732	25,816	27,901	29,985	32,070	35,755	39,439	43,124	46,808	50,493	53,807	57,121	60,436	63,750	67,064	71,079	75,095	79,110	83,126
Demand Outside SRP (AF)	4,312	4,706	5,111	5,508	5,897	6,277	6,649	7,362	8,065	8,757	9,440	10,111	10,733	11,349	11,960	12,566	13,167	13,908	14,644	15,375	16,101
TOTAL POPULATION	65,917	68,940	73,095	77,251	81,406	85,562	89,717	94,522	99,327	104,131	108,936	113,741	117,709	121,677	125,644	129,612	133,580	138,170	142,760	147,351	151,941
TOTAL WATER DEMAND	14,492	14,988	15,744	16,483	17,205	17,911	18,600	19,462	20,311	21,147	21,968	22,777	23,479	24,175	24,865	25,548	26,226	27,036	27,840	28,638	29,430
Conservation GPCD	196	194	192	190	189	187	185	184	183	181	180	179	178	177	177	176	175	175	174	174	173
Water Sources (AF):																					
SRP Surface Water	10,179	10,282	10,632	10,974	11,308	11,634	11,951	12,100	12,246	12,389	12,529	12,665	12,746	12,826	12,905	12,982	13,059	13,128	13,196	13,263	13,329
GW - No Designation	4,312	4,706	5,111	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508
CAP - Recharge/Exch	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	52,932	60,692	69,507	78,283	87,019	93,175	98,926	104,735	110,545	116,355	122,165	126,920	131,983	137,046	142,109	145,547	147,998	150,440	152,881
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	52,932	4,505	5,561	5,522	5,482	2,902	2,881	2,941	2,941	2,941	2,941	2,941	3,248	3,248	3,248	1,624	1,624	1,615	1,615	1,615
IGFR Credits (+)	--	0	3,254	3,254	3,254	3,254	3,254	2,869	2,869	2,869	2,869	2,869	1,815	1,815	1,815	1,815	1,815	827	827	827	827
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	52,932	60,692	69,507	78,283	87,019	93,175	98,926	104,735	110,545	116,355	122,165	126,920	131,983	137,046	142,109	145,547	147,998	150,440	152,881	155,323

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 FL MIRAGE																						
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	5,280	5,341	5,481	5,621	5,761	5,901	6,041	6,254	6,467	6,681	6,894	7,107	7,471	7,835	8,200	8,564	8,928	9,348	9,768	10,187	10,607
	Demand Outside SRP (AF)	969	981	1,010	1,038	1,066	1,095	1,123	1,166	1,209	1,253	1,296	1,340	1,413	1,486	1,560	1,635	1,709	1,794	1,879	1,964	2,049
	TOTAL POPULATION	5,280	5,341	5,481	5,621	5,761	5,901	6,041	6,254	6,467	6,681	6,894	7,107	7,471	7,835	8,200	8,564	8,928	9,348	9,768	10,187	10,607
	TOTAL WATER DEMAND	969	981	1,010	1,038	1,066	1,095	1,123	1,166	1,209	1,253	1,296	1,340	1,413	1,486	1,560	1,635	1,709	1,794	1,879	1,964	2,049
	Conservation GPCD	164	164	164	165	165	166	166	166	167	167	168	168	169	169	170	170	171	171	172	172	172
Water Sources (AF):																						
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969
	CAP - Recharge/Exch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	13	41	69	97	126	155	197	240	284	327	371	444	517	591	666	740	825	910	995	1,080
GW Account (AF):																						
	B.O.Y. Balance	--	0	4,992	5,553	6,186	6,822	7,461	7,803	8,147	8,517	8,888	9,258	9,629	9,999	10,424	10,849	11,275	11,487	11,700	11,912	12,125
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	4,992	561	633	636	639	342	344	370	370	370	370	370	425	425	425	213	213	212	212	212
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	4,992	5,553	6,186	6,822	7,461	7,803	8,147	8,517	8,888	9,258	9,629	9,999	10,424	10,849	11,275	11,487	11,700	11,912	12,125	12,337

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 LITCHFIELD PARK																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		3,828	3,957	4,170	4,384	4,597	4,811	5,024	5,284	5,544	5,804	6,064	6,324	6,814	7,305	7,795	8,286	8,776	9,424	10,072	10,719	11,367
Demand Outside SRP (AF)		2,046	2,074	2,140	2,200	2,255	2,306	2,352	2,428	2,500	2,568	2,631	2,689	2,835	2,972	3,099	3,217	3,327	3,512	3,688	3,856	4,016
TOTAL POPULATION		3,828	3,957	4,170	4,384	4,597	4,811	5,024	5,284	5,544	5,804	6,064	6,324	6,814	7,305	7,795	8,286	8,776	9,424	10,072	10,719	11,367
TOTAL WATER DEMAND		2,046	2,074	2,140	2,200	2,255	2,306	2,352	2,428	2,500	2,568	2,631	2,689	2,835	2,972	3,099	3,217	3,327	3,512	3,688	3,856	4,016
Conservation GPCD		477	468	458	448	438	428	418	410	403	395	387	380	371	363	355	347	338	333	327	321	315
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		2,046	2,074	2,140	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
CAP - Recharge/Exch		5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	7,631	8,451	9,838	11,163	12,426	13,065	16,949	20,773	24,597	28,422	32,246	33,508	34,771	36,033	37,295	38,284	38,557	38,831	39,104
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	7,631	820	1,387	1,325	1,262	640	607	547	547	547	547	547	547	547	547	274	274	273	273	273
IGFR Credits (+)		--	0	0	0	0	0	0	3,277	3,277	3,277	3,277	3,277	715	715	715	715	715	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	7,631	8,451	9,838	11,163	12,426	13,065	16,949	20,773	24,597	28,422	32,246	33,508	34,771	36,033	37,295	38,284	38,557	38,831	39,104	39,378

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2	CAREFREE																					
	Population Inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	1,806	1,840	1,875	1,910	1,944	1,979	2,014	2,052	2,089	2,127	2,164	2,202	2,238	2,274	2,311	2,347	2,383	2,425	2,466	2,508	2,549
	Demand Outside SRP (AF)	1,505	1,518	1,533	1,547	1,561	1,575	1,588	1,604	1,620	1,635	1,650	1,664	1,679	1,694	1,709	1,723	1,737	1,754	1,772	1,788	1,805
	TOTAL POPULATION	1,806	1,840	1,875	1,910	1,944	1,979	2,014	2,052	2,089	2,127	2,164	2,202	2,238	2,274	2,311	2,347	2,383	2,425	2,466	2,508	2,549
	TOTAL WATER DEMAND	1,505	1,518	1,533	1,547	1,561	1,575	1,588	1,604	1,620	1,635	1,650	1,664	1,679	1,694	1,709	1,723	1,737	1,754	1,772	1,788	1,805
	Conservation GPCD	744	736	730	723	717	710	704	698	692	686	680	675	670	665	660	655	651	646	641	637	632
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	1,505	1,518	1,533	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547
	CAP - Recharge/Exch	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,316	1,420	1,552	1,681	1,807	1,873	1,936	2,008	2,081	2,153	2,225	2,297	2,396	2,494	2,592	2,642	2,691	2,740	2,789
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,316	104	132	129	126	65	64	72	72	72	72	72	98	98	98	49	49	49	49	49
	IGFR Credits	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,316	1,420	1,552	1,681	1,807	1,873	1,936	2,008	2,081	2,153	2,225	2,297	2,396	2,494	2,592	2,642	2,691	2,740	2,789	2,838

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2 CAVE CREEK																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		3,032	3,183	3,304	3,425	3,547	3,668	3,789	3,881	3,974	4,066	4,159	4,251	4,410	4,569	4,727	4,886	5,045	5,256	5,467	5,678	5,889
Demand Outside SRP (AF)		742	805	849	895	942	989	1,038	1,073	1,108	1,143	1,180	1,216	1,275	1,335	1,397	1,459	1,522	1,601	1,681	1,762	1,845
TOTAL POPULATION		3,032	3,183	3,304	3,425	3,547	3,668	3,789	3,881	3,974	4,066	4,159	4,251	4,410	4,569	4,727	4,886	5,045	5,256	5,467	5,678	5,889
TOTAL WATER DEMAND		742	805	849	895	942	989	1,038	1,073	1,108	1,143	1,180	1,216	1,275	1,335	1,397	1,459	1,522	1,601	1,681	1,762	1,845
Conservation GPCD		218	226	229	233	237	241	245	247	249	251	253	255	258	261	264	267	269	272	274	277	280
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		742	805	849	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895
CAP		1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	4,229	4,703	5,294	5,895	6,504	6,834	7,169	7,576	7,982	8,389	8,796	9,202	9,768	10,334	10,901	11,184	11,467	11,750	12,033
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	4,229	474	591	601	610	330	335	407	407	407	407	407	566	566	566	283	283	283	283	283
IGPR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	4,229	4,703	5,294	5,895	6,504	6,834	7,169	7,576	7,982	8,389	8,796	9,202	9,768	10,334	10,901	11,184	11,467	11,750	12,033	12,316

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	GILBERT																					
	Population inside SRP	46,502	50,200	55,899	61,599	67,298	72,998	78,697	82,553	86,409	90,265	94,121	97,977	100,139	102,301	104,462	106,624	108,786	111,872	114,959	118,045	121,132
	Demand in SRP (AF)	10,898	11,487	12,596	13,666	14,696	15,686	16,637	17,346	18,046	18,736	19,416	20,087	20,451	20,812	21,169	21,523	21,874	22,425	22,971	23,514	24,053
	Population outside SRP	6,300	6,876	8,070	9,263	10,457	11,650	12,844	14,194	15,544	16,895	18,245	19,595	22,437	25,279	28,121	30,963	33,805	36,521	39,236	41,952	44,667
	Demand Outside SRP (AF)	1,476	1,573	1,818	2,055	2,283	2,504	2,715	2,983	3,246	3,507	3,764	4,017	4,582	5,143	5,699	6,250	6,797	7,320	7,840	8,357	8,870
	TOTAL POPULATION	52,802	57,076	63,969	70,862	77,755	84,648	91,541	96,747	101,953	107,160	112,366	117,572	122,576	127,580	132,583	137,587	142,591	148,393	154,195	159,997	165,799
	TOTAL WATER DEMAND	12,375	13,060	14,415	15,721	16,979	18,190	19,352	20,329	21,293	22,243	23,180	24,104	25,033	25,955	26,868	27,774	28,671	29,745	30,812	31,871	32,923
	Conservation GPCD	209	204	201	198	195	192	189	188	186	185	184	183	182	182	181	180	180	179	178	178	177
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	10,898	11,487	12,596	13,666	14,696	15,686	16,637	17,346	18,046	18,736	19,416	20,087	20,451	20,812	21,169	21,523	21,874	22,425	22,971	23,514	24,053
	GW - Deemed/Designation	1,476	1,573	1,818	2,055	2,283	2,504	2,715	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088
	CAP - SRP/MIC	0	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762
	RWCD Water	0	0	1,191	2,381	3,572	4,762	5,953	6,349	6,746	7,142	7,538	7,934	8,332	8,730	9,128	9,525	9,923	10,320	10,717	11,114	11,511
	CAP	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	92,810	96,974	101,137	105,300	109,464	113,627	138,650	163,711	188,811	213,948	239,124	247,366	255,645	263,962	272,314	280,703	287,160	293,660	300,203
	Incidental Recharge (+)	--	0	0	0	0	0	0	774	813	852	890	927	964	1,001	1,038	1,075	1,111	1,147	1,190	1,232	1,275
	GW Allocation (+)	--	92,810	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	4,163	4,163	4,163	4,163	4,163	24,248	24,248	24,248	24,248	24,248	7,278	7,278	7,278	7,278	7,278	5,310	5,310	5,310	5,310
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	92,810	96,974	101,137	105,300	109,464	113,627	138,650	163,711	188,811	213,948	239,124	247,366	255,645	263,962	272,314	280,703	287,160	293,660	300,203	306,788

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3 GLENDALE																						
Population inside SRP	110,460	108,539	111,239	113,939	116,638	119,338	122,038	125,377	128,716	132,055	135,394	138,733	143,647	148,560	153,474	158,387	163,301	164,609	165,917	167,224	168,532	
Demand in SRP (AF)	25,399	24,875	25,422	25,965	26,505	27,041	27,574	28,273	28,968	29,660	30,349	31,035	32,065	33,091	34,111	35,127	36,138	36,408	36,679	36,949	37,219	
Population outside SRP	67,347	73,953	76,461	78,969	81,478	83,986	86,494	87,742	88,990	90,238	91,486	92,734	94,022	95,309	96,597	97,884	99,172	99,585	99,998	100,412	100,825	
Demand Outside SRP (AF)	15,486	16,949	17,474	17,996	18,515	19,031	19,543	19,786	20,027	20,268	20,507	20,745	20,988	21,229	21,470	21,709	21,946	22,026	22,106	22,186	22,266	
TOTAL POPULATION	177,807	182,492	187,700	192,908	198,116	203,324	208,532	213,119	217,706	222,293	226,880	231,467	237,668	243,869	250,071	256,272	262,473	264,194	265,915	267,636	269,357	
TOTAL WATER DEMAND	40,885	41,824	42,896	43,961	45,020	46,072	47,118	48,058	48,995	49,928	50,856	51,781	53,053	54,320	55,581	56,835	58,084	58,435	58,785	59,135	59,485	
Conservation GPCD	205	205	204	203	203	202	202	201	201	201	200	200	199	199	198	198	198	197	197	197	197	
Water Sources (AF):																						
SRP Surface Water	25,399	24,875	25,422	25,965	26,505	27,041	27,574	28,273	28,968	29,660	30,349	31,035	32,065	33,091	34,111	35,127	36,138	36,408	36,679	36,949	37,219	
GW - Deemed/Designation	15,486	16,949	17,474	17,996	18,515	19,031	19,543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAP - Tribal Lease	0	0	0	0	0	0	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	
CAP - SRPMIC	0	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	
Plan 6 & Cons Space	0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	
MCMWCD Water	0	0	114	227	341	454	568	624	681	738	795	851	908	965	1,022	1,078	1,135	1,249	1,362	1,476	1,589	
CAP	11,000	11,000	11,000	11,000	11,000	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	306,640	318,387	330,135	341,882	353,629	365,376	378,081	390,824	403,604	416,422	429,276	431,640	434,055	436,520	439,036	441,602	448,705	455,823	462,954	
Incidental Recharge (+)	--	0	0	0	0	0	0	1,885	1,922	1,960	1,997	2,034	2,071	2,122	2,173	2,223	2,273	2,323	2,337	2,351	2,365	
GW Allocation (+)	--	306,640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IGFR Credits (+)	--	0	11,747	11,747	11,747	11,747	11,747	10,820	10,820	10,820	10,820	10,820	293	293	293	293	293	4,780	4,780	4,780	4,780	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	306,640	318,387	330,135	341,882	353,629	365,376	378,081	390,824	403,604	416,422	429,276	431,640	434,055	436,520	439,036	441,602	448,705	455,823	462,954	470,099	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	CHANDLER																					
	Population inside SRP	108,033	112,158	117,757	123,356	128,956	134,555	140,154	145,892	151,631	157,369	163,108	168,846	174,193	179,540	184,887	190,234	195,581	202,037	208,493	214,949	221,405
	Demand in SRP (AF)	27,574	28,402	29,649	30,879	32,094	33,292	34,473	35,704	36,921	38,123	39,311	40,485	41,600	42,704	43,798	44,881	45,954	47,336	48,709	50,073	51,428
	Population outside SRP	8,901	9,963	10,313	10,662	11,012	11,361	11,711	13,931	16,150	18,370	20,589	22,809	27,260	31,710	36,161	40,611	45,062	49,037	53,011	56,986	60,960
	Demand Outside SRP (AF)	2,272	2,523	2,597	2,669	2,741	2,811	2,881	3,409	3,932	4,450	4,962	5,469	6,510	7,542	8,566	9,581	10,588	11,489	12,385	13,275	14,160
	TOTAL POPULATION	116,934	122,121	128,070	134,019	139,967	145,916	151,865	159,823	167,781	175,739	183,697	191,655	201,453	211,250	221,048	230,845	240,643	251,074	261,504	271,935	282,365
	TOTAL WATER DEMAND	29,845	30,925	32,245	33,548	34,834	36,103	37,354	39,113	40,853	42,573	44,274	45,954	48,109	50,246	52,364	54,462	56,542	58,825	61,093	63,348	65,588
	Conservation GPCD	228	226	225	223	222	221	220	218	217	216	215	214	213	212	211	211	210	209	209	208	207
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	27,574	28,402	29,649	30,879	32,094	33,292	34,473	35,704	36,921	38,123	39,311	40,485	41,600	42,704	43,798	44,881	45,954	47,336	48,709	50,073	51,428
	GW - Deemed/Designation	2,272	2,523	2,597	2,669	2,741	2,811	2,881	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586
	CAP - SRPMIC	0	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278
	Plan 6 & Cons Space	0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622
	RWCD Water	0	1,933	2,125	2,318	2,511	2,704	2,896	3,089	3,282	3,474	3,667	3,860	4,053	4,247	4,440	4,634	4,828	5,021	5,214	5,407	5,600
	CAP	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	223,841	241,949	260,057	278,165	296,273	314,381	320,642	326,973	333,373	339,843	346,380	364,402	382,509	400,703	418,981	437,342	447,157	457,063	467,060
	Incidental Recharge (+)	--	0	0	0	0	0	0	1,494	1,565	1,634	1,703	1,771	1,838	1,924	2,010	2,095	2,178	2,262	2,353	2,444	2,534
	GW Allocation (+)	--	223,841	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	18,108	18,108	18,108	18,108	18,108	4,766	4,766	4,766	4,766	4,766	16,183	16,183	16,183	16,183	16,183	7,553	7,553	7,553	7,553
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	223,841	241,949	260,057	278,165	296,273	314,381	320,642	326,973	333,373	339,843	346,380	364,402	382,509	400,703	418,981	437,342	447,157	457,063	467,060	477,147

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	SCOTTSDALE																					
	Population inside SRP	71,653	72,588	73,090	73,592	74,094	74,596	75,098	75,366	75,634	75,901	76,169	76,437	76,651	76,865	77,080	77,294	77,508	77,701	77,894	78,087	78,280
	Demand in SRP (AF)	23,403	23,436	23,410	23,381	23,350	23,316	23,279	23,217	23,155	23,091	23,026	22,960	22,917	22,874	22,830	22,785	22,740	22,720	22,699	22,678	22,657
	Population outside SRP	82,649	87,176	91,939	96,703	101,466	106,230	110,993	115,938	120,883	125,827	130,772	135,717	140,325	144,932	149,540	154,147	158,755	162,677	166,599	170,521	174,443
	Demand Outside SRP (AF)	26,995	28,146	29,447	30,724	31,976	33,203	34,406	35,716	37,007	38,280	39,533	40,767	41,954	43,129	44,291	45,440	46,576	47,566	48,549	49,523	50,490
	TOTAL POPULATION	154,302	159,764	165,029	170,295	175,560	180,826	186,091	191,304	196,516	201,729	206,941	212,154	216,976	221,798	226,619	231,441	236,263	240,378	244,493	248,608	252,723
	TOTAL WATER DEMAND	50,398	51,583	52,857	54,105	55,326	56,519	57,685	58,934	60,162	61,370	62,559	63,727	64,872	66,003	67,121	68,225	69,316	70,286	71,248	72,202	73,147
	Conservation GPCD	292	288	286	284	281	279	277	275	273	272	270	268	267	266	264	263	262	261	260	259	258
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	23,403	23,436	23,410	23,381	23,350	23,316	23,279	23,217	23,155	23,091	23,026	22,960	22,917	22,874	22,830	22,785	22,740	22,720	22,699	22,678	22,657
	GW - Deemed/Designation	26,995	28,146	29,447	30,724	31,976	33,203	34,406	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060
	CAP - SRPMIC	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plan 6 & Cons Space	0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622
	CAP	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	377,988	378,039	378,089	378,140	378,191	378,242	380,549	382,906	385,313	387,768	390,270	392,819	395,414	398,054	400,739	403,468	406,241	409,052	411,902
	Incidental Recharge (+)	--	0	0	0	0	0	0	2,307	2,357	2,406	2,455	2,502	2,549	2,595	2,640	2,685	2,729	2,773	2,811	2,850	2,888
	GW Allocation (+)	--	377,988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	51	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	377,988	378,039	378,089	378,140	378,191	378,242	380,549	382,906	385,313	387,768	390,270	392,819	395,414	398,054	400,739	403,468	406,241	409,052	411,902	414,790

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4	MESA																					
	Population inside SRP	227,666	229,520	231,684	233,847	236,011	238,174	240,338	241,535	242,731	243,928	245,124	246,321	246,513	246,704	246,896	247,087	247,279	247,721	248,163	248,606	249,048
	Demand in SRP (AF)	49,061	49,420	49,844	50,267	50,689	51,110	51,531	51,755	51,979	52,203	52,426	52,649	52,669	52,689	52,708	52,728	52,748	52,819	52,891	52,962	53,033
	Population outside SRP	121,315	125,846	131,896	137,946	143,997	150,047	156,097	162,227	168,357	174,486	180,616	186,746	192,045	197,344	202,644	207,943	213,242	219,492	225,743	231,993	238,244
	Demand Outside SRP (AF)	26,143	27,097	28,376	29,652	30,927	32,199	33,469	34,761	36,052	37,342	38,629	39,916	41,032	42,147	43,261	44,375	45,487	46,800	48,112	49,423	50,733
	TOTAL POPULATION	348,981	355,366	363,580	371,794	380,007	388,221	396,435	403,761	411,088	418,414	425,741	433,067	438,558	444,049	449,539	455,030	460,521	467,214	473,906	480,599	487,291
	TOTAL WATER DEMAND	75,203	76,517	78,220	79,919	81,615	83,309	84,999	86,516	88,031	89,544	91,056	92,565	93,701	94,836	95,970	97,103	98,235	99,619	101,003	102,385	103,766
	Conservation GPCD	192	192	192	192	192	192	191	191	191	191	191	191	191	191	191	191	190	190	190	190	190
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	49,061	49,420	49,844	50,267	50,689	51,110	51,531	51,755	51,979	52,203	52,426	52,649	52,669	52,689	52,708	52,728	52,748	52,819	52,891	52,962	53,033
	GW - Deemed/Designation	26,143	27,097	28,376	29,652	30,927	32,199	33,469	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669
	CAP - SRPMIC	0	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760
	Plan 6 & Cons Space	0	0	0	0	0	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936
	RWCD Water	0	0	0	0	0	0	3,218	3,432	3,646	3,860	4,074	4,289	4,504	4,719	4,934	5,149	5,364	5,579	5,793	6,008	6,222
	CAP	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	564,024	574,367	584,710	595,052	605,395	615,738	621,151	626,625	632,159	637,754	643,410	647,112	650,860	654,654	658,492	662,377	670,750	679,178	687,662
	Incidental Recharge (+)	--	0	0	0	0	0	0	3,400	3,461	3,521	3,582	3,642	3,703	3,748	3,793	3,839	3,884	3,929	3,985	4,040	4,095
	GW Allocation (+)	--	564,024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	10,343	10,343	10,343	10,343	10,343	2,013	2,013	2,013	2,013	2,013	0	0	0	0	0	4,444	4,444	4,444	4,444
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	564,024	574,367	584,710	595,052	605,395	615,738	621,151	626,625	632,159	637,754	643,410	647,112	650,860	654,654	658,492	662,377	670,750	679,178	687,662	696,201

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4 PHOENIX																						
	Population inside SRP	606,294	621,113	629,299	637,485	645,670	653,856	662,042	670,322	678,603	686,883	695,164	703,444	711,975	720,506	729,038	737,569	746,100	756,629	767,158	777,688	788,217
	Demand in SRP (AF)	162,484	165,977	167,716	169,443	171,158	172,861	174,553	176,336	178,109	179,872	181,625	183,368	185,220	187,063	188,897	190,723	192,539	194,855	197,159	199,453	201,735
	Population outside SRP	464,265	466,940	477,936	488,933	499,929	510,926	521,922	532,519	543,115	553,712	564,308	574,905	585,520	596,136	606,751	617,367	627,982	640,084	652,186	664,288	676,390
	Demand Outside SRP (AF)	124,421	124,778	127,376	129,958	132,524	135,075	137,609	140,085	142,548	144,999	147,436	149,861	152,323	154,773	157,212	159,640	162,057	164,841	167,612	170,369	173,114
	TOTAL POPULATION	1,070,558	1,088,053	1,107,235	1,126,417	1,145,600	1,164,782	1,183,964	1,202,841	1,221,718	1,240,595	1,259,472	1,278,349	1,297,496	1,316,642	1,335,789	1,354,935	1,374,082	1,396,713	1,419,344	1,441,976	1,464,607
	TOTAL WATER DEMAND	286,905	290,756	295,092	299,401	303,682	307,936	312,163	316,421	320,657	324,870	329,061	333,229	337,543	341,836	346,110	350,363	354,596	359,696	364,771	369,822	374,849
	Conservation GPCD	239	239	238	237	237	236	235	235	234	234	233	233	232	232	231	231	230	230	229	229	228
Water Sources (AF):																						
	SRP Surface Water	162,484	165,977	167,716	169,443	171,158	172,861	174,553	176,336	178,109	179,872	181,625	183,368	185,220	187,063	188,897	190,723	192,539	194,855	197,159	199,453	201,735
	GW - Deemed/Designation	124,421	124,778	127,376	129,958	132,524	135,075	137,609	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323
	CAP - SRPMIC	0	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	Gatewtr, Ptn 6 & Cons Space	21,000	21,000	21,000	21,000	21,000	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384
	RWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	2,151,786	2,158,385	2,164,983	2,171,581	2,178,179	2,184,777	2,204,916	2,225,225	2,245,703	2,266,350	2,287,165	2,311,327	2,335,661	2,360,167	2,384,845	2,409,692	2,441,312	2,473,137	2,505,164
	Incidental Recharge (+)	--	0	0	0	0	0	0	12,487	12,657	12,826	12,995	13,162	13,329	13,502	13,673	13,844	14,015	14,184	14,388	14,591	14,793
	GW Allocation (+)	--	2,151,786	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICFR Credits	--	0	6,598	6,598	6,598	6,598	6,598	7,652	7,652	7,652	7,652	7,652	10,833	10,833	10,833	10,833	10,833	17,437	17,437	17,437	17,437
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	2,151,786	2,158,385	2,164,983	2,171,581	2,178,179	2,184,777	2,204,916	2,225,225	2,245,703	2,266,350	2,287,165	2,311,327	2,335,661	2,360,167	2,384,845	2,409,692	2,441,312	2,473,137	2,505,164	2,537,394

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4	TEMPE																					
	Population inside SRP	148,703	150,893	152,262	153,631	154,999	156,368	157,737	159,066	160,395	161,724	163,053	164,382	164,778	165,174	165,570	165,966	166,362	166,826	167,290	167,755	168,219
	Demand in SRP (AF)	45,885	46,666	47,150	47,634	48,120	48,607	49,095	49,563	50,032	50,502	50,972	51,444	51,585	51,726	51,867	52,008	52,149	52,312	52,476	52,639	52,803
	Population outside SRP	142	177	249	322	394	467	539	562	585	607	630	653	689	726	762	799	835	830	825	819	814
	Demand Outside SRP (AF)	44	55	77	100	122	145	168	175	182	190	197	204	216	227	239	250	262	260	259	257	256
	TOTAL POPULATION	148,844	151,070	152,511	153,952	155,394	156,835	158,276	159,628	160,980	162,331	163,683	165,035	165,467	165,900	166,332	166,765	167,197	167,656	168,115	168,574	169,033
	TOTAL WATER DEMAND	45,929	46,721	47,227	47,734	48,243	48,752	49,263	49,738	50,214	50,691	51,169	51,648	51,800	51,953	52,105	52,258	52,411	52,573	52,735	52,896	53,059
	Conservation GPCD	275	276	276	277	277	278	278	278	278	279	279	279	279	280	280	280	280	280	280	280	280
4	GUADALUPE																					
4	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Population outside SRP	5,612	5,652	5,698	5,744	5,790	5,836	5,882	5,947	6,012	6,077	6,142	6,207	6,286	6,365	6,444	6,523	6,602	6,668	6,734	6,799	6,865
4	Demand Outside SRP (AF)	1,687	1,701	1,717	1,733	1,750	1,766	1,782	1,805	1,828	1,851	1,874	1,897	1,925	1,952	1,980	2,008	2,036	2,059	2,083	2,106	2,129
4	TOTAL POPULATION	5,612	5,652	5,698	5,744	5,790	5,836	5,882	5,947	6,012	6,077	6,142	6,207	6,286	6,365	6,444	6,523	6,602	6,668	6,734	6,799	6,865
4	TOTAL WATER DEMAND	1,687	1,701	1,717	1,733	1,750	1,766	1,782	1,805	1,828	1,851	1,874	1,897	1,925	1,952	1,980	2,008	2,036	2,059	2,083	2,106	2,129
	Conservation GPCD	268	269	269	269	270	270	270	271	271	272	272	273	273	274	274	275	275	276	276	276	277
	TEMPE + GUADALUPE DEMAND	47,616	48,422	48,944	49,468	49,992	50,518	51,045	51,543	52,042	52,542	53,043	53,545	53,725	53,905	54,086	54,266	54,447	54,632	54,817	55,002	55,188
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	45,885	46,666	47,150	47,634	48,120	48,607	49,095	49,563	50,032	50,502	50,972	51,444	51,585	51,726	51,867	52,008	52,149	52,312	52,476	52,639	52,803
	GW - Deeded/Designation	1,731	1,756	1,794	1,833	1,872	1,911	1,950	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	CAP - SRP/MIC	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plan 6 & Cons Space	0	0	0	0	0	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311
	RWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	357,121	357,525	357,929	358,333	358,737	359,141	363,468	367,815	372,183	376,570	380,977	383,119	385,268	387,424	389,588	391,758	393,936	396,121	398,314
	Incidental Recharge (+)	--	0	0	0	0	0	0	2,042	2,062	2,082	2,102	2,122	2,142	2,149	2,156	2,163	2,171	2,178	2,185	2,193	2,200
	GW Allocation (+)	--	357,121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICFR Credits (+)	--	0	404	404	404	404	404	2,286	2,286	2,286	2,286	2,286	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	357,121	357,525	357,929	358,333	358,737	359,141	363,468	367,815	372,183	376,570	380,977	383,119	385,268	387,424	389,588	391,758	393,936	396,121	398,314	400,514

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5 QUEEN CREEK																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		3,438	3,498	3,553	3,608	3,662	3,717	3,772	3,819	3,865	3,912	3,958	4,005	4,107	4,208	4,310	4,411	4,513	4,636	4,760	4,883	5,007
Demand Outside SRP (AF)		767	776	784	793	801	809	817	824	831	838	845	852	868	884	899	914	929	948	967	985	1,003
TOTAL POPULATION		3,438	3,498	3,553	3,608	3,662	3,717	3,772	3,819	3,865	3,912	3,958	4,005	4,107	4,208	4,310	4,411	4,513	4,636	4,760	4,883	5,007
TOTAL WATER DEMAND		767	776	784	793	801	809	817	824	831	838	845	852	868	884	899	914	929	948	967	985	1,003
Conservation GPCD		199	198	197	196	195	194	193	193	192	191	191	190	189	187	186	185	184	182	181	180	179
<u>Water Sources (AF):</u>																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767
CAP		348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348
GW Account Use	--		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
B.O.Y. Balance	--		0	1,100	1,210	1,354	1,496	1,635	1,708	1,779	1,865	1,951	2,036	2,122	2,208	2,325	2,443	2,560	2,619	2,677	2,736	2,795
Incidental Recharge (+)	--		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--		1,100	110	144	142	139	73	72	86	86	86	86	86	117	117	117	59	59	59	59	59
ICFR Credits (+)	--		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)	--		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0		1,100	1,210	1,354	1,496	1,635	1,708	1,779	1,865	1,951	2,036	2,122	2,208	2,325	2,443	2,560	2,619	2,677	2,736	2,795	2,854

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5 SUN LAKES																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		5,725	5,875	6,201	6,527	6,854	7,180	7,506	8,173	8,840	9,507	10,174	10,841	11,643	12,446	13,248	14,051	14,853	15,309	15,764	16,220	16,675
Demand Outside SRP (AF)		2,484	2,552	2,697	2,843	2,989	3,135	3,282	3,579	3,877	4,175	4,475	4,775	5,133	5,492	5,851	6,211	6,572	6,775	6,979	7,183	7,387
TOTAL POPULATION		5,725	5,875	6,201	6,527	6,854	7,180	7,506	8,173	8,840	9,507	10,174	10,841	11,643	12,446	13,248	14,051	14,853	15,309	15,764	16,220	16,675
TOTAL WATER DEMAND		2,484	2,552	2,697	2,843	2,989	3,135	3,282	3,579	3,877	4,175	4,475	4,775	5,133	5,492	5,851	6,211	6,572	6,775	6,979	7,183	7,387
Conservation GPCD		387	388	388	389	389	390	390	391	392	392	393	393	394	394	394	395	395	395	395	395	395
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	67	213	358	504	651	797	1,094	1,392	1,691	1,990	2,291	2,649	3,007	3,367	3,727	4,087	4,291	4,495	4,699	4,903	
GW Account (AF):																						
B.O.Y. Balance	--	0	27,949	38,802	48,479	58,157	67,836	76,801	77,618	78,096	78,573	79,051	79,528	80,006	80,286	80,565	80,845	80,985	81,125	81,265	81,405	
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Allocation (+)	--	27,949	2,704	1,528	1,529	1,530	816	817	477	477	477	477	477	280	280	280	140	140	140	140	140	
IOFR Credits (+)	--	0	8,149	8,149	8,149	8,149	8,149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	27,949	38,802	48,479	58,157	67,836	76,801	77,618	78,096	78,573	79,051	79,528	80,006	80,286	80,565	80,845	80,985	81,125	81,265	81,405	81,544	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6	SUN CITY																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	38,652	38,784	38,874	38,964	39,053	39,143	39,233	39,295	39,356	39,418	39,479	39,541	39,582	39,623	39,664	39,705	39,746	39,777	39,808	39,840	39,871
	Demand Outside SRP (AF)	12,554	12,585	12,607	12,628	12,650	12,671	12,693	12,708	12,722	12,737	12,752	12,767	12,777	12,786	12,796	12,806	12,816	12,823	12,831	12,838	12,846
	TOTAL POPULATION	38,652	38,784	38,874	38,964	39,053	39,143	39,233	39,295	39,356	39,418	39,479	39,541	39,582	39,623	39,664	39,705	39,746	39,777	39,808	39,840	39,871
	TOTAL WATER DEMAND	12,554	12,585	12,607	12,628	12,650	12,671	12,693	12,708	12,722	12,737	12,752	12,767	12,777	12,786	12,796	12,806	12,816	12,823	12,831	12,838	12,846
	Conservation GPCD	290	290	290	289	289	289	289	289	289	288	288	288	288	288	288	288	288	288	288	288	288
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	12,554	12,585	12,607	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628
	MCMWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,332	1,405	1,462	1,518	1,574	1,604	1,633	1,661	1,688	1,716	1,743	1,771	1,800	1,828	1,857	1,872	1,886	1,901	1,915
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,332	74	56	56	56	30	30	27	27	27	27	27	29	29	29	14	14	14	14	14
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,332	1,405	1,462	1,518	1,574	1,604	1,633	1,661	1,688	1,716	1,743	1,771	1,800	1,828	1,857	1,872	1,886	1,901	1,915	1,930

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6 SUN CITY WEST																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		19,826	20,705	21,433	22,161	22,888	23,616	24,344	24,986	25,628	26,269	26,911	27,553	28,200	28,848	29,495	30,143	30,790	31,636	32,482	33,328	34,174
Demand Outside SRP (AF)		5,137	5,320	5,481	5,641	5,799	5,955	6,109	6,250	6,391	6,530	6,668	6,805	6,947	7,089	7,229	7,369	7,507	7,693	7,878	8,061	8,244
TOTAL POPULATION		19,826	20,705	21,433	22,161	22,888	23,616	24,344	24,986	25,628	26,269	26,911	27,553	28,200	28,848	29,495	30,143	30,790	31,636	32,482	33,328	34,174
TOTAL WATER DEMAND		5,137	5,320	5,481	5,641	5,799	5,955	6,109	6,250	6,391	6,530	6,668	6,805	6,947	7,089	7,229	7,369	7,507	7,693	7,878	8,061	8,244
Conservation GPCD		231	229	228	227	226	225	224	223	223	222	221	220	220	219	219	218	218	217	217	216	215
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137
MCMWCD Water		0	0	46	92	138	183	229	252	275	298	321	344	367	390	413	436	459	504	550	596	642
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	183	299	412	524	635	743	862	979	1,095	1,211	1,325	1,444	1,562	1,680	1,796	1,912	2,052	2,191	2,329	2,465
GW Account (AF):																						
B.O.Y. Balance		--	0	16,741	17,782	19,175	20,559	21,936	22,665	23,391	24,156	24,921	25,686	26,451	27,216	28,274	29,333	30,391	30,920	34,187	37,454	40,721
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	16,741	1,041	1,393	1,385	1,376	730	725	765	765	765	765	765	1,058	1,058	1,058	529	529	529	529	529
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,738	2,738	2,738	2,738
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	16,741	17,782	19,175	20,559	21,936	22,665	23,391	24,156	24,921	25,686	26,451	27,216	28,274	29,333	30,391	30,920	34,187	37,454	40,721	43,989

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7	FOUNTAIN HILLS																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	11,971	12,434	12,993	13,552	14,112	14,671	15,230	15,646	16,062	16,478	16,894	17,310	17,903	18,496	19,090	19,683	20,276	20,961	21,647	22,332	23,018
	Demand Outside SRP (AF)	3,226	3,322	3,446	3,569	3,690	3,808	3,925	4,016	4,106	4,196	4,285	4,373	4,504	4,633	4,761	4,887	5,013	5,163	5,312	5,460	5,606
	TOTAL POPULATION	11,971	12,434	12,993	13,552	14,112	14,671	15,230	15,646	16,062	16,478	16,894	17,310	17,903	18,496	19,090	19,683	20,276	20,961	21,647	22,332	23,018
	TOTAL WATER DEMAND	3,226	3,322	3,446	3,569	3,690	3,808	3,925	4,016	4,106	4,196	4,285	4,373	4,504	4,633	4,761	4,887	5,013	5,163	5,312	5,460	5,606
	Conservation GPCD	241	238	237	235	233	232	230	229	228	227	226	226	225	224	223	222	221	220	219	218	217
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	3,226	3,322	3,446	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569
	CAP	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	9,887	10,827	11,954	13,072	14,181	14,767	15,348	16,282	17,215	18,149	19,083	20,016	20,666	21,315	21,964	22,289	22,613	22,938	23,262
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	9,887	940	1,127	1,118	1,109	586	581	934	934	934	934	934	649	649	649	325	325	325	325	325
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	9,887	10,827	11,954	13,072	14,181	14,767	15,348	16,282	17,215	18,149	19,083	20,016	20,666	21,315	21,964	22,289	22,613	22,938	23,262	23,587

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7	RIO VERDE																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	1,487	1,694	1,872	2,050	2,227	2,405	2,583	2,588	2,593	2,597	2,602	2,607	2,610	2,613	2,616	2,619	2,622	2,628	2,633	2,639	2,644
	Demand Outside SRP (AF)	1,908	1,972	2,130	2,279	2,418	2,548	2,669	2,672	2,676	2,680	2,684	2,687	2,690	2,692	2,695	2,697	2,699	2,704	2,708	2,712	2,717
	TOTAL POPULATION	1,487	1,694	1,872	2,050	2,227	2,405	2,583	2,588	2,593	2,597	2,602	2,607	2,610	2,613	2,616	2,619	2,622	2,628	2,633	2,639	2,644
	TOTAL WATER DEMAND	1,908	1,972	2,130	2,279	2,418	2,548	2,669	2,672	2,676	2,680	2,684	2,687	2,690	2,692	2,695	2,697	2,699	2,704	2,708	2,712	2,717
	Conservation GPCD	1,145	1,039	1,016	992	969	946	922	922	922	921	921	920	920	920	920	919	919	919	918	918	917
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	1,908	1,972	2,130	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279
	CAP (SRP Exch)	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	3,137	3,155	3,188	3,221	3,254	3,271	3,289	3,348	3,407	3,466	3,524	3,583	3,667	3,750	3,834	3,875	3,917	3,959	4,000
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	3,137	18	33	33	33	18	18	59	59	59	59	59	83	83	83	42	42	42	42	42
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	3,137	3,155	3,188	3,221	3,254	3,271	3,289	3,348	3,407	3,466	3,524	3,583	3,667	3,750	3,834	3,875	3,917	3,959	4,000	4,042

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7 PARADISE VALLEY																						
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	12,688	12,795	12,919	13,042	13,166	13,289	13,413	13,524	13,635	13,746	13,857	13,968	14,071	14,175	14,278	14,382	14,485	14,578	14,671	14,764	14,857
	Demand Outside SRP (AF)	12,015	12,039	12,073	12,105	12,136	12,165	12,192	12,222	12,251	12,279	12,305	12,330	12,358	12,384	12,410	12,435	12,459	12,483	12,507	12,530	12,553
	TOTAL POPULATION	12,688	12,795	12,919	13,042	13,166	13,289	13,413	13,524	13,635	13,746	13,857	13,968	14,071	14,175	14,278	14,382	14,485	14,578	14,671	14,764	14,857
	TOTAL WATER DEMAND	12,015	12,039	12,073	12,105	12,136	12,165	12,192	12,222	12,251	12,279	12,305	12,330	12,358	12,384	12,410	12,435	12,459	12,483	12,507	12,530	12,553
	Conservation GPCD	845	840	834	829	823	817	811	807	802	797	793	788	784	780	776	772	768	764	761	758	754
Water Sources (AF):																						
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	12,015	12,039	12,073	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105
	CAP	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	2,475	2,654	2,838	3,016	3,190	3,279	3,366	3,474	3,581	3,689	3,797	3,904	4,025	4,145	4,266	4,326	4,386	4,446	4,506
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	2,475	179	184	179	173	90	87	108	108	108	108	108	120	120	120	60	60	60	60	60
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	2,475	2,654	2,838	3,016	3,190	3,279	3,366	3,474	3,581	3,689	3,797	3,904	4,025	4,145	4,266	4,326	4,386	4,446	4,506	4,566

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
8	SURPRISE and REST OF COUNTY																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	30,039	31,944	33,114	34,284	35,454	36,624	37,794	39,205	40,616	42,027	43,438	44,849	46,841	48,833	50,825	52,817	54,809	57,375	59,941	62,508	65,074
	Demand Outside SRP (AF)	7,321	7,557	7,748	7,933	8,112	8,284	8,451	8,679	8,901	9,116	9,326	9,529	9,850	10,163	10,467	10,763	11,050	11,461	11,863	12,255	12,637
	TOTAL POPULATION	30,039	31,944	33,114	34,284	35,454	36,624	37,794	39,205	40,616	42,027	43,438	44,849	46,841	48,833	50,825	52,817	54,809	57,375	59,941	62,508	65,074
	TOTAL WATER DEMAND	7,321	7,557	7,748	7,933	8,112	8,284	8,451	8,679	8,901	9,116	9,326	9,529	9,850	10,163	10,467	10,763	11,050	11,461	11,863	12,255	12,637
	Conservation GPCD	218	211	209	207	204	202	200	198	196	194	192	190	188	186	184	182	180	178	177	175	173
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	7,321	7,557	7,748	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933
	MCMWCD Water	0	0	236	472	708	944	1,180	1,298	1,416	1,534	1,652	1,770	1,888	2,006	2,124	2,242	2,360	2,596	2,831	3,067	3,303
	CAP	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	21,226	23,379	26,462	29,473	32,413	33,943	41,236	49,073	56,910	64,746	72,583	77,991	84,206	90,421	96,636	101,429	105,000	108,637	112,275
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	21,226	2,153	3,083	3,011	2,940	1,530	1,492	2,036	2,036	2,036	2,036	2,036	2,844	2,844	2,844	1,422	1,422	1,489	1,489	1,489
	IGFR Credits (+)	--	0	0	0	0	0	0	5,801	5,801	5,801	5,801	5,801	3,371	3,371	3,371	3,371	3,371	2,148	2,148	2,148	2,148
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	21,226	23,379	26,462	29,473	32,413	33,943	41,236	49,073	56,910	64,746	72,583	77,991	84,206	90,421	96,636	101,429	105,000	108,637	112,275	115,912

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.1 APACHE JUNCTION																						
	TOTAL POPULATION	19,302	19,645	19,988	20,331	20,673	21,016	21,359	21,665	21,971	22,276	22,582	22,888	23,194	23,500	23,805	24,111	24,417	24,724	25,032	25,339	25,647
	TOTAL WATER DEMAND	3,062	3,103	3,157	3,211	3,265	3,319	3,373	3,421	3,470	3,518	3,567	3,615	3,663	3,711	3,760	3,808	3,856	3,905	3,953	4,002	4,050
	ASSUMED GPCD	142	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
Water Sources (AF):																						
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	3,062	3,103	3,157	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211
	CAP	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	4,476	4,837	5,202	5,566	5,931	6,125	6,320	6,514	6,708	6,903	7,097	7,292	7,465	7,639	7,812	7,999	7,986	8,067	8,148
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	4,476	361	364	364	364	194	194	194	194	194	194	194	174	174	174	87	87	81	81	81
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	4,476	4,837	5,202	5,566	5,931	6,125	6,320	6,514	6,708	6,903	7,097	7,292	7,465	7,639	7,812	7,999	7,986	8,067	8,148	8,228

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.2	SUPERIOR																					
	TOTAL POPULATION	3,704	3,763	3,822	3,881	3,939	3,998	4,057	4,115	4,173	4,232	4,290	4,348	4,406	4,464	4,522	4,580	4,638	4,696	4,755	4,813	4,872
	TOTAL WATER DEMAND	524	518	526	534	543	551	559	567	575	583	591	599	607	615	623	631	639	647	655	663	671
	ASSUMED GPCD	126	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
	Water Sources (AF):																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	2	10	18	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147
	GW Account (AF):																					
	B.O.Y. Balance	--	0	802	862	922	982	1,042	1,074	1,106	1,138	1,170	1,202	1,234	1,266	1,295	1,323	1,352	1,367	1,381	1,394	1,408
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	802	60	60	60	60	32	32	32	32	32	32	32	29	29	29	14	14	13	13	13
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	802	862	922	982	1,042	1,074	1,106	1,138	1,170	1,202	1,234	1,266	1,295	1,323	1,352	1,367	1,381	1,394	1,408	1,421

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.3 BALANCE OF PHOENIX AMA IN FINAL COUNTY (incl. queen creek & new magma)																						
TOTAL POPULATION		10,613	10,785	10,957	11,129	11,302	11,474	11,646	11,813	11,980	12,146	12,313	12,480	12,647	12,813	12,980	13,146	13,313	13,481	13,648	13,816	13,983
TOTAL WATER DEMAND		1,503	1,486	1,510	1,534	1,557	1,581	1,605	1,628	1,651	1,673	1,696	1,719	1,742	1,765	1,788	1,811	1,834	1,857	1,880	1,904	1,927
ASSUMED GPCD		126	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
RWCD Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	7	31	55	79	102	125	148	171	194	216	239	262	285	308	331	355	378	401	424
GW Account (AF):																						
B.O.Y. Balance		--	0	2,313	2,485	2,659	2,833	3,007	3,100	3,193	3,285	3,377	3,469	3,561	3,653	3,735	3,818	3,900	3,941	3,983	4,021	4,059
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	2,313	173	174	174	174	93	93	92	92	92	92	92	82	82	82	41	41	38	38	38
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	2,313	2,485	2,659	2,833	3,007	3,100	3,193	3,285	3,377	3,469	3,561	3,653	3,735	3,818	3,900	3,941	3,983	4,021	4,059	4,098

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
CASA GRANDE / COOLIDGE / FLORENCE																						
TOTAL POPULATION	43,365	44,115	44,865	45,615	46,365	47,115	47,865	48,550	49,235	49,921	50,606	51,291	51,976	52,661	53,346	54,031	54,716	55,405	56,094	56,783	57,472	
TOTAL WATER DEMAND	10,356	10,180	10,222	10,260	10,294	10,323	10,348	10,442	10,534	10,624	10,714	10,801	10,899	10,995	11,091	11,185	11,277	11,382	11,486	11,589	11,691	
ASSUMED GPCD	213	206	203	201	198	196	193	192	191	190	189	188	187	186	186	185	184	183	183	182	182	
Water Sources (AF):																						
GW - No Designation	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	
CAP	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	105	315	630	1,050	1,575	2,205	2,931	3,753	4,671	5,685	6,795	8,000	9,302	10,700	12,193	13,782	15,468	17,250	19,129	
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Allocation (+)	--	105	210	315	420	525	630	726	822	918	1,014	1,110	1,206	1,302	1,398	1,493	1,589	1,686	1,782	1,879	1,975	
IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	105	315	630	1,050	1,575	2,205	2,931	3,753	4,671	5,685	6,795	8,000	9,302	10,700	12,193	13,782	15,468	17,250	19,129	21,104	

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
MARICOPA - STANFIELD																						
TOTAL POPULATION		3,367	3,424	3,481	3,538	3,596	3,653	3,710	3,763	3,816	3,870	3,923	3,976	4,029	4,082	4,135	4,188	4,241	4,294	4,348	4,401	4,455
TOTAL WATER DEMAND		602	610	617	624	631	637	644	652	659	667	674	681	689	696	703	710	717	725	733	741	749
ASSUMED GPCD		160	159	158	157	157	156	155	155	154	154	153	153	153	152	152	151	151	151	151	150	150
Water Sources (AF):																						
GW - No Designation		602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	8	15	22	29	36	42	50	57	65	72	80	87	94	101	108	115	124	132	140	148
GW Account (AF):																						
B.O.Y. Balance		--	0	8	24	48	80	120	168	224	287	357	435	521	613	713	821	936	1,058	1,188	1,326	1,471
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	8	16	24	32	40	48	56	63	70	78	85	93	100	108	115	122	130	137	145	152
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	8	24	48	80	120	168	224	287	357	435	521	613	713	821	936	1,058	1,188	1,326	1,471	1,623

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ELOY																						
	TOTAL POPULATION	7,753	7,889	8,012	8,135	8,258	8,381	8,504	8,624	8,743	8,863	8,982	9,102	9,226	9,350	9,473	9,597	9,721	9,846	9,972	10,097	10,223
	TOTAL WATER DEMAND	1,956	2,041	2,050	2,058	2,065	2,071	2,077	2,098	2,119	2,140	2,161	2,182	2,203	2,224	2,245	2,266	2,287	2,310	2,332	2,355	2,377
	ASSUMED GPCD	225	231	228	226	223	221	218	217	216	216	215	214	213	212	212	211	210	209	209	208	208
	Water Sources (AF):																					
	GW - No Designation	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956
	CAP	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account (AF):																					
	B.O.Y. Balance	--	0	19	55	109	179	267	372	494	633	788	960	1,149	1,355	1,579	1,819	2,078	2,353	2,646	2,957	3,285
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	19	36	53	71	88	105	122	139	155	172	189	206	223	241	258	275	293	311	328	346
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	19	55	109	179	267	372	494	633	788	960	1,149	1,355	1,579	1,819	2,078	2,353	2,646	2,957	3,285	3,631

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 TUCSON																						
	TOTAL POPULATION	559,248	567,951	576,653	585,356	594,058	602,761	611,463	620,166	628,868	637,571	646,273	654,976	663,678	672,381	681,083	689,786	698,488	707,191	715,893	724,596	733,298
	TOTAL WATER DEMAND	100,295	101,459	102,611	103,750	104,877	105,992	107,095	108,186	109,264	110,331	111,385	112,427	113,457	114,475	115,480	116,474	117,455	118,424	119,381	120,326	121,258
	Conservation OPCD	160	159	159	158	158	157	156	156	155	154	154	153	153	152	151	151	150	149	149	148	148
Water Sources (AF):																						
	GW - Deemed/Designation	100,295	101,459	102,611	103,750	104,877	105,992	107,095	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420
	Effluent (non-potable)	1,545	1,931	2,287	2,643	2,998	3,354	3,710	3,790	3,871	3,951	4,032	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,508,713	1,513,040	1,517,411	1,521,824	1,526,280	1,530,777	1,535,315	1,539,894	1,544,513	1,549,172	1,553,870	1,558,607	1,563,383
	Incidental Recharge (+)	--	0	0	0	0	0	0	4,284	4,327	4,371	4,413	4,455	4,497	4,538	4,579	4,619	4,659	4,698	4,737	4,775	4,813
	GW Allocation (+)	--	1,504,429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,508,713	1,513,040	1,517,411	1,521,824	1,526,280	1,530,777	1,535,315	1,539,894	1,544,513	1,549,172	1,553,870	1,558,607	1,563,383	1,568,196

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2 MUNI w/o RENEWABLE (Marana & Cortaro)																						
TOTAL POPULATION		4,336	4,847	6,856	8,865	10,873	12,882	14,891	17,786	20,681	23,577	26,472	29,367	32,742	36,117	39,492	42,867	46,242	49,492	52,742	55,992	59,242
TOTAL WATER DEMAND		621	679	955	1,229	1,501	1,769	2,035	2,431	2,826	3,222	3,618	4,013	4,467	4,919	5,370	5,820	6,268	6,708	7,149	7,589	8,030
Conservation GPCD		128	125	124	124	123	123	122	122	122	122	122	122	122	122	121	121	121	121	121	121	121
Water Sources (AF):																						
GW - Designation		621	679	955	1,229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP		47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	1,434	1,722	1,988	2,384	2,779	3,175	3,571	3,966	4,420	4,872	5,323	5,773	6,221	6,661	7,102	7,542	7,983
GW Account (AF):																						
E.O.Y. Balance		--	0	9,311	9,311	9,311	9,360	9,420	9,491	9,572	9,669	9,782	9,911	10,056	10,217	10,395	10,592	10,807	11,040	11,290	11,559	11,845
Incidental Recharge (+)		--	0	0	0	49	60	71	81	97	113	129	145	161	179	197	215	233	251	268	286	304
GW Allocation (+)		--	9,311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	9,311	9,311	9,311	9,360	9,420	9,491	9,572	9,669	9,782	9,911	10,056	10,217	10,395	10,592	10,807	11,040	11,290	11,559	11,845	12,148

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Metropolitan DWID																					
	TOTAL POPULATION	40,589	41,610	42,630	43,651	44,671	45,692	46,713	47,733	48,754	49,774	50,795	51,815	52,836	53,857	54,877	55,898	56,918	57,939	58,959	59,980	61,000
	TOTAL WATER DEMAND	8,342	8,464	8,582	8,696	8,805	8,910	9,010	9,107	9,199	9,286	9,370	9,449	9,524	9,594	9,661	9,723	9,780	9,834	9,883	9,927	9,968
	Conservation OPCD	183	182	180	178	176	174	172	170	168	167	165	163	161	159	157	155	153	152	150	148	146
	<u>Water Sources (AP):</u>																					
	GW - Designation	8,342	8,464	8,582	8,696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	6,674	6,771	6,866	6,956	7,044	7,128	7,208	7,285	7,359	7,429	7,496	7,559	7,619	7,676	7,729	7,778	7,824	7,867	7,906	7,942	7,974
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	1,761	1,782	1,802	1,821	1,840	1,857	1,874	1,890	1,905	1,919	1,932	1,945	1,956	1,967	1,977	1,985	1,994
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	125,131	125,131	125,131	125,479	125,831	126,187	126,548	126,912	127,280	127,651	128,026	128,404	128,785	129,169	129,555	129,944	130,335	130,729	131,124
	Incidental Recharge (+)	--	0	0	0	348	352	356	360	364	368	371	375	378	381	384	386	389	391	393	395	397
	GW Allocation (+)	--	125,131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	125,131	125,131	125,131	125,479	125,831	126,187	126,548	126,912	127,280	127,651	128,026	128,404	128,785	129,169	129,555	129,944	130,335	130,729	131,124	131,521

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Canada Hills																					
	TOTAL POPULATION	10,529	11,129	11,730	12,330	12,931	13,531	14,132	14,732	15,333	15,933	16,534	17,134	17,735	18,335	18,936	19,536	20,137	20,737	21,338	21,938	22,539
	TOTAL WATER DEMAND	3,415	3,533	3,643	3,745	3,839	3,924	4,002	4,071	4,132	4,184	4,229	4,265	4,293	4,312	4,324	4,327	4,322	4,308	4,287	4,257	4,219
	Conservation GPCD	290	283	277	271	265	259	253	247	241	234	228	222	216	210	204	198	192	185	179	173	167
	Water Sources (AF):																					
	GW - Designation	3,415	3,533	3,643	3,745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	2,187	2,272	2,350	2,419	2,480	2,532	2,577	2,613	2,641	2,660	2,672	2,675	2,670	2,656	2,635	2,605	2,567
	GW Account (AF):																					
	B.O.Y. Balance	--	0	51,219	51,219	51,219	51,368	51,522	51,679	51,839	52,002	52,167	52,334	52,504	52,674	52,846	53,018	53,191	53,364	53,537	53,710	53,881
	Incidental Recharge (+)	--	0	0	0	150	154	157	160	163	165	167	169	171	172	172	173	173	173	172	171	170
	GW Allocation (+)	--	51,219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	51,219	51,219	51,219	51,368	51,522	51,679	51,839	52,002	52,167	52,334	52,504	52,674	52,846	53,018	53,191	53,364	53,537	53,710	53,881	54,051

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Rancho Vistoso																					
	TOTAL POPULATION	3,762	4,280	4,798	5,315	5,833	6,350	6,868	7,386	7,903	8,421	8,938	9,456	9,974	10,491	11,009	11,526	12,044	12,562	13,079	13,597	14,114
	TOTAL WATER DEMAND	927	1,036	1,139	1,238	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,922	1,974	2,022	2,066	2,105	2,139	2,168	2,193	2,213
	Conservation OPCD	220	216	212	208	204	200	196	192	188	184	180	176	172	168	164	160	156	152	148	144	140
	<u>Water Sources (AF):</u>																					
	GW - Designation	927	1,036	1,139	1,238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,922	1,974	2,022	2,066	2,105	2,139	2,168	2,193	2,213
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	13,908	13,908	13,908	13,957	14,010	14,067	14,128	14,191	14,258	14,327	14,399	14,474	14,551	14,630	14,711	14,793	14,877	14,963	15,050
	Incidental Recharge (+)	--	0	0	0	50	53	57	60	64	67	69	72	75	77	79	81	83	84	86	87	88
	GW Allocation (+)	--	13,908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	13,908	13,908	13,908	13,957	14,010	14,067	14,128	14,191	14,258	14,327	14,399	14,474	14,551	14,630	14,711	14,793	14,877	14,963	15,050	15,137

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4	WATER COMPANY WITH CAP (Flowing Wells, Community, Green Valley, New Pueblo)																					
	TOTAL POPULATION	30,149	30,743	31,368	31,993	32,619	33,244	33,869	34,510	35,152	35,793	36,435	37,076	37,768	38,460	39,152	39,844	40,536	41,268	42,000	42,731	43,463
	TOTAL WATER DEMAND	6,167	6,095	6,170	6,243	6,314	6,383	6,449	6,541	6,631	6,720	6,807	6,894	6,989	7,082	7,175	7,266	7,356	7,461	7,565	7,668	7,770
	Conservation GPCD	183	177	176	174	173	171	170	169	168	168	167	166	165	164	164	163	162	161	161	160	160
	Water Sources (AP):																					
	GW - No Designation	6,167	6,095	6,170	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243
	CAP	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account (AP):																					
	B.O.Y. Balance	--	0	15,346	16,694	18,270	19,831	21,378	22,195	23,004	23,784	24,564	25,344	26,124	26,904	27,608	28,311	29,015	29,367	29,719	30,073	30,427
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	15,346	1,348	1,576	1,561	1,546	817	809	780	780	780	780	780	704	704	704	352	352	354	354	354
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	15,346	16,694	18,270	19,831	21,378	22,195	23,004	23,784	24,564	25,344	26,124	26,904	27,608	28,311	29,015	29,367	29,719	30,073	30,427	30,780

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5	PWC w/o RENEWABLE (Avra, Farmers, Hub, Lakewood, Las Quintas Serenas)																					
	TOTAL POPULATION	10,772	11,095	11,429	11,764	12,098	12,433	12,767	13,110	13,453	13,795	14,138	14,481	14,847	15,213	15,578	15,944	16,310	16,690	17,069	17,449	17,828
	TOTAL WATER DEMAND	1,815	1,777	1,821	1,863	1,905	1,947	1,988	2,035	2,083	2,129	2,176	2,222	2,272	2,321	2,370	2,418	2,466	2,520	2,574	2,627	2,680
	Conservation GPCD	150	143	142	141	141	140	139	139	138	138	137	137	137	136	136	135	135	135	135	134	134
	Water Sources (AP):																					
	GW - No Designation	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	6	48	91	132	173	221	268	315	361	407	457	506	555	603	652	705	759	812	865
	GW Account (AP):																					
	B.O.Y. Balance	--	0	9,052	9,775	10,579	11,382	12,182	12,607	13,031	13,453	13,876	14,299	14,721	15,144	15,548	15,951	16,355	16,556	16,758	16,951	17,143
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	9,052	723	805	802	800	425	424	423	423	423	423	423	403	403	403	202	202	193	193	193
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance		9,052	9,775	10,579	11,382	12,182	12,607	13,031	13,453	13,876	14,299	14,721	15,144	15,548	15,951	16,355	16,556	16,758	16,951	17,143	17,336

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6 NEW DEVELOPMENT with CAP (Del Lago & Spanish Trail)																						
TOTAL POPULATION		4,103	4,825	6,394	7,963	9,531	11,100	12,669	13,434	14,199	14,964	15,729	16,494	17,296	18,097	18,899	19,700	20,502	21,335	22,168	23,001	23,834
TOTAL WATER DEMAND		746	859	1,099	1,318	1,518	1,698	1,859	1,962	2,064	2,166	2,266	2,365	2,476	2,587	2,697	2,807	2,917	3,030	3,144	3,257	3,369
Conservation GPCD		162	159	153	148	142	137	131	130	130	129	129	128	128	128	127	127	127	127	127	126	126
Water Sources (AP):																						
GW - No Designation		746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746
CAP		3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AP):																						
B.O.Y. Balance	--	0	30,909	32,553	34,259	35,960	37,654	38,555	39,453	40,348	41,244	42,139	43,034	43,930	44,855	45,781	46,707	47,170	47,632	48,055	48,477	48,900
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	30,909	1,644	1,706	1,700	1,695	901	898	895	895	895	895	895	926	926	926	463	463	422	422	422	422
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		30,909	32,553	34,259	35,960	37,654	38,555	39,453	40,348	41,244	42,139	43,034	43,930	44,855	45,781	46,707	47,170	47,632	48,055	48,477	48,900	48,900

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7	LAGO DEL ORO																					
	TOTAL POPULATION	2,362	2,431	2,503	2,574	2,646	2,717	2,789	2,862	2,935	3,009	3,082	3,155	3,233	3,311	3,389	3,467	3,545	3,627	3,709	3,790	3,872
	TOTAL WATER DEMAND	671	667	666	664	660	656	650	660	671	681	690	700	711	721	731	741	751	762	774	785	795
	Conservation GPCD	254	245	238	230	223	215	208	206	204	202	200	198	196	194	193	191	189	188	186	185	183
	<u>Water Sources (AF):</u>																					
	GW - No Designation	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	9	19	28	39	49	60	69	79	91	102	113	124
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,042	1,185	1,359	1,530	1,697	1,784	1,869	1,963	2,057	2,152	2,246	2,340	2,424	2,507	2,591	2,633	2,674	2,716	2,757
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,042	143	174	171	167	87	85	94	94	94	94	94	84	84	84	42	42	41	41	41
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance		1,042	1,185	1,359	1,530	1,697	1,784	1,869	1,963	2,057	2,152	2,246	2,340	2,424	2,507	2,591	2,633	2,674	2,716	2,757	2,798

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 1 - Groundwater Credits Saved for Future Use

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
* SMALL PROVIDERS																						
TOTAL POPULATION		14,135	14,584	15,034	15,483	15,933	16,382	16,831	17,281	17,730	18,180	18,629	19,079	19,528	19,977	20,427	20,876	21,326	21,775	22,225	22,674	23,124
TOTAL WATER DEMAND		2,655	2,738	2,821	2,904	2,987	3,070	3,152	3,235	3,317	3,400	3,482	3,565	3,647	3,729	3,811	3,893	3,975	4,057	4,139	4,220	4,302
ASSUMED GPCD		168	168	168	167	167	167	167	167	167	167	167	167	167	167	167	166	166	166	166	166	166
Water Sources (AF):																						
GW - No Designation		2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	83	166	249	332	415	497	580	663	745	827	910	992	1,074	1,156	1,238	1,320	1,402	1,484	1,565	1,647
GW Account (AF):																						
B.O.Y. Balance		--	0	18,573	19,801	21,029	22,255	23,480	24,132	24,784	25,377	25,970	26,563	27,157	27,750	28,343	28,936	29,529	29,825	30,122	30,553	30,984
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	18,573	1,229	1,227	1,226	1,225	653	652	593	593	593	593	593	593	593	593	297	297	431	431	431
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		--	18,573	19,801	21,029	22,255	23,480	24,132	24,784	25,377	25,970	26,563	27,157	27,750	28,343	28,936	29,529	29,825	30,122	30,553	30,984	31,415

APPENDIX B

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 AVONDALE																					
Population inside SRP	11,341	12,398	13,269	14,140	15,010	15,881	16,752	17,926	19,100	20,274	21,448	22,622	24,479	26,336	28,192	30,049	31,906	34,316	36,726	39,137	41,547
Demand in SRP (AF)	2,283	2,461	2,603	2,741	2,875	3,005	3,132	3,325	3,516	3,703	3,886	4,066	4,367	4,663	4,954	5,240	5,521	5,899	6,272	6,639	7,001
Population outside SRP	12,577	12,587	13,112	13,637	14,162	14,687	15,212	15,382	15,552	15,723	15,893	16,063	16,105	16,147	16,189	16,231	16,273	16,370	16,466	16,563	16,659
Demand Outside SRP (AF)	2,532	2,498	2,572	2,644	2,713	2,779	2,844	2,853	2,863	2,871	2,880	2,887	2,873	2,859	2,845	2,830	2,816	2,814	2,812	2,810	2,807
TOTAL POPULATION	23,918	24,985	26,381	27,777	29,172	30,568	31,964	33,308	34,652	35,997	37,341	38,685	40,584	42,483	44,381	46,280	48,179	50,686	53,193	55,699	58,206
TOTAL WATER DEMAND	4,816	4,959	5,175	5,385	5,588	5,785	5,975	6,179	6,378	6,574	6,766	6,954	7,241	7,522	7,799	8,070	8,336	8,713	9,083	9,448	9,808
Conservation GPCD	180	177	175	173	171	169	167	166	164	163	162	160	159	158	157	156	154	153	152	151	150
<u>Water Sources:</u>																					
SRP Surface Water	2,283	2,461	2,603	2,741	2,875	3,005	3,132	3,325	3,516	3,703	3,886	4,066	4,367	4,663	4,954	5,240	5,521	5,899	6,272	6,639	7,001
GW - No Designation	2,532	2,498	2,572	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644
CAP - Recharge/Exch	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099	4,099
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																					
B.O.Y. Balance	--	0	1,399	11,031	20,662	30,294	39,925	49,557	54,516	59,511	64,506	69,502	74,497	83,703	92,918	102,133	111,348	120,540	123,750	126,965	130,180
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	1,399	0	0	0	0	0	0	36	36	36	36	36	45	45	45	22	22	27	27	27
IGFR Credits (+)	--	0	9,631	9,631	9,631	9,631	9,631	9,631	4,959	4,959	4,959	4,959	9,170	9,170	9,170	9,170	9,170	3,187	3,187	3,187	3,187
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	1,399	11,031	20,662	30,294	39,925	49,557	54,516	59,511	64,506	69,502	74,497	83,703	92,918	102,133	111,348	120,540	123,750	126,965	130,180	133,394

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 BUCKEYE																						
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Population outside SRP	10,377	10,637	10,804	10,971	11,138	11,305	11,472	11,607	11,743	11,878	12,014	12,149	12,395	12,641	12,888	13,134	13,380	15,816	18,252	20,687	23,123	
Demand Outside SRP (AF)	1,926	1,983	2,018	2,053	2,089	2,125	2,161	2,190	2,219	2,247	2,276	2,306	2,358	2,410	2,463	2,516	2,569	3,069	3,579	4,099	4,630	
TOTAL POPULATION	10,377	10,637	10,804	10,971	11,138	11,305	11,472	11,607	11,743	11,878	12,014	12,149	12,395	12,641	12,888	13,134	13,380	15,816	18,252	20,687	23,123	
TOTAL WATER DEMAND	1,926	1,983	2,018	2,053	2,089	2,125	2,161	2,190	2,219	2,247	2,276	2,306	2,358	2,410	2,463	2,516	2,569	3,069	3,579	4,099	4,630	
Conservation GPCD	166	166	167	167	167	168	168	168	169	169	169	169	170	170	171	171	171	173	175	177	179	
Water Sources:																						
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW - No Designation	1,926	1,983	2,018	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	
GW - Waterlog	0	0	0	0	36	71	107	136	165	194	223	252	304	357	409	462	515	1,015	1,526	2,046	2,576	
CAP - Recharge/Exch	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	3,465	3,863	7,615	11,442	15,345	17,467	19,629	21,708	23,788	25,868	27,947	30,027	32,332	34,637	36,942	38,095	39,248	40,400	41,553	
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Allocation (+)	--	3,465	398	3,752	3,827	3,903	2,122	2,162	2,080	2,080	2,080	2,080	2,080	2,305	2,305	2,305	1,153	1,153	1,153	1,153	1,153	
IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	3,465	3,863	7,615	11,442	15,345	17,467	19,629	21,708	23,788	25,868	27,947	30,027	32,332	34,637	36,942	38,095	39,248	40,400	41,553	42,705	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA - PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 GOODYEAR																					
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP	10,868	11,658	12,736	13,814	14,892	15,970	17,048	18,935	20,821	22,708	24,594	26,481	29,325	32,169	35,013	37,857	40,701	44,295	47,889	51,484	55,078
Demand Outside SRP (AF)	3,639	3,907	4,270	4,633	4,997	5,362	5,726	6,362	6,999	7,636	8,273	8,911	9,870	10,830	11,790	12,751	13,712	14,925	16,138	17,351	18,565
TOTAL POPULATION	10,868	11,658	12,736	13,814	14,892	15,970	17,048	18,935	20,821	22,708	24,594	26,481	29,325	32,169	35,013	37,857	40,701	44,295	47,889	51,484	55,078
TOTAL WATER DEMAND	3,639	3,907	4,270	4,633	4,997	5,362	5,726	6,362	6,999	7,636	8,273	8,911	9,870	10,830	11,790	12,751	13,712	14,925	16,138	17,351	18,565
Conservation GPCD	299	299	299	299	300	300	300	300	300	300	300	300	300	301	301	301	301	301	301	301	301
<u>Water Sources (AF):</u>																					
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation	3,639	3,907	4,270	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633	4,633
MCMWCD Water	0	0	0	0	0	202	252	277	302	327	352	377	402	427	453	478	503	553	604	654	705
CAP - Recharge/Exch	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374	2,374
GW Account Use	--	0	0	0	0	0	0	0	0	301	914	1,527	2,461	3,395	4,330	5,266	6,202	7,364	8,527	9,690	10,853
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																					
B.O.Y. Balance	--	0	60,881	70,612	82,231	93,853	105,477	112,855	129,948	147,443	164,636	181,217	197,186	203,371	208,798	213,291	216,848	216,751	225,505	233,096	239,525
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	60,881	7,208	9,096	9,099	9,101	4,855	4,856	5,258	5,258	5,258	5,258	5,258	5,435	5,435	5,435	2,718	2,718	2,718	2,718	2,718
IGFR Credits (+)	--	0	2,523	2,523	2,523	2,523	2,523	12,236	12,236	12,236	12,236	12,236	3,387	3,387	3,387	3,387	3,387	13,400	13,400	13,400	13,400
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	301	914	1,527	2,461	3,395	4,330	5,266	6,202	7,364	8,527	9,690	10,853
E.O.Y. Balance	0	60,881	70,612	82,231	93,853	105,477	112,855	129,948	147,443	164,636	181,217	197,186	203,371	208,798	213,291	216,848	216,751	225,505	233,096	239,525	244,790

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 TOLLESON																					
Population inside SRP	4,793	4,880	5,046	5,212	5,377	5,543	5,709	6,016	6,322	6,629	6,935	7,242	7,923	8,604	9,284	9,965	10,646	11,385	12,124	12,863	13,602
Demand in SRP (AF)	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
Population outside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand Outside SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POPULATION	4,793	4,880	5,046	5,212	5,377	5,543	5,709	6,016	6,322	6,629	6,935	7,242	7,923	8,604	9,284	9,965	10,646	11,385	12,124	12,863	13,602
TOTAL WATER DEMAND	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
Conservation GPCD	307	307	305	304	303	302	301	300	299	297	296	295	293	292	290	289	287	286	286	285	284
Water Sources (AF):																					
SRP Surface Water	1,649	1,675	1,727	1,777	1,828	1,878	1,927	2,022	2,116	2,209	2,301	2,392	2,603	2,812	3,019	3,223	3,425	3,652	3,878	4,102	4,325
GW - No Designation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCMWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP - Recharge/Exch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	0	0	0	0	0	0	1,371	2,742	4,113	5,485	6,856	9,304	11,752	14,200	16,648	19,096	19,096	19,096	19,096
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGFR Credits (+)	--	0	0	0	0	0	0	1,371	1,371	1,371	1,371	1,371	2,448	2,448	2,448	2,448	2,448	0	0	0	0
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	0	0	0	0	0	0	1,371	2,742	4,113	5,485	6,856	9,304	11,752	14,200	16,648	19,096	19,096	19,096	19,096	19,096

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 YOUNGTOWN																					
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP	2,649	2,673	2,691	2,708	2,726	2,743	2,761	2,776	2,791	2,805	2,820	2,835	2,858	2,882	2,905	2,929	2,952	2,978	3,004	3,031	3,057
Demand Outside SRP (AF)	1,009	1,014	1,018	1,022	1,026	1,030	1,034	1,037	1,040	1,044	1,047	1,050	1,056	1,061	1,066	1,071	1,077	1,083	1,088	1,094	1,100
TOTAL POPULATION	2,649	2,673	2,691	2,708	2,726	2,743	2,761	2,776	2,791	2,805	2,820	2,835	2,858	2,882	2,905	2,929	2,952	2,978	3,004	3,031	3,057
TOTAL WATER DEMAND	1,009	1,014	1,018	1,022	1,026	1,030	1,034	1,037	1,040	1,044	1,047	1,050	1,056	1,061	1,066	1,071	1,077	1,083	1,088	1,094	1,100
Conservation GPCD	340	339	338	337	336	335	334	334	333	332	331	331	330	329	328	327	326	324	323	322	321
Water Sources (AF):																					
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation	1,009	1,014	1,018	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022	1,022
CAP - Recharge/Exch	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	371	410	455	499	543	567	590	613	636	659	682	706	733	760	786	800	813	827	840
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	371	39	45	45	44	23	23	23	23	23	23	23	27	27	27	13	13	13	13	13
IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	371	410	455	499	543	567	590	613	636	659	682	706	733	760	786	800	813	827	840	854

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 PEORIA																					
Population inside SRP	46,302	47,293	49,364	51,435	53,505	55,576	57,647	58,767	59,887	61,008	62,128	63,248	63,902	64,555	65,209	65,862	66,516	67,091	67,666	68,240	68,815
Demand in SRP (AF)	10,179	10,282	10,632	10,974	11,308	11,634	11,951	12,100	12,246	12,389	12,529	12,665	12,746	12,826	12,905	12,982	13,059	13,128	13,196	13,263	13,329
Population outside SRP	19,615	21,647	23,732	25,816	27,901	29,985	32,070	33,755	35,439	37,124	38,808	40,493	42,177	43,861	45,546	47,230	48,915	50,599	52,284	53,968	55,653
Demand Outside SRP (AF)	4,312	4,706	5,111	5,508	5,897	6,277	6,649	7,362	8,065	8,757	9,440	10,111	10,733	11,349	11,960	12,566	13,167	13,908	14,644	15,375	16,101
TOTAL POPULATION	65,917	68,940	73,095	77,251	81,406	85,562	89,717	94,522	99,327	104,131	108,936	113,741	117,709	121,677	125,644	129,612	133,580	138,170	142,760	147,351	151,941
TOTAL WATER DEMAND	14,492	14,988	15,744	16,483	17,205	17,911	18,600	19,462	20,311	21,147	21,968	22,777	23,479	24,175	24,865	25,548	26,226	27,036	27,840	28,638	29,430
Conservation GPCD	196	194	192	190	189	187	185	184	183	181	180	179	178	177	177	176	175	175	174	174	173
Water Sources (AF):																					
SRP Surface Water	10,179	10,282	10,632	10,974	11,308	11,634	11,951	12,100	12,246	12,389	12,529	12,665	12,746	12,826	12,905	12,982	13,059	13,128	13,196	13,263	13,329
GW - No Designation	4,312	4,706	5,111	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508	5,508
CAP - Recharge/Exch	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223	18,223
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	52,932	60,692	69,507	78,283	87,019	93,175	98,926	104,735	110,545	116,355	122,165	126,920	131,983	137,046	142,109	145,547	147,998	150,440	152,881
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	52,932	4,505	5,561	5,522	5,482	2,902	2,881	2,941	2,941	2,941	2,941	2,941	3,248	3,248	3,248	1,624	1,624	1,615	1,615	1,615
IOFR Credits (+)	--	0	3,254	3,254	3,254	3,254	3,254	2,869	2,869	2,869	2,869	2,869	1,815	1,815	1,815	1,815	1,815	827	827	827	827
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	52,932	60,692	69,507	78,283	87,019	93,175	98,926	104,735	110,545	116,355	122,165	126,920	131,983	137,046	142,109	145,547	147,998	150,440	152,881	155,323

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 EL. MIRAGE																					
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP	5,280	5,341	5,481	5,621	5,761	5,901	6,041	6,254	6,467	6,681	6,894	7,107	7,471	7,835	8,200	8,564	8,928	9,348	9,768	10,187	10,607
Demand Outside SRP (AF)	969	981	1,010	1,038	1,066	1,095	1,123	1,166	1,209	1,253	1,296	1,340	1,413	1,486	1,560	1,635	1,709	1,794	1,879	1,964	2,049
TOTAL POPULATION	5,280	5,341	5,481	5,621	5,761	5,901	6,041	6,254	6,467	6,681	6,894	7,107	7,471	7,835	8,200	8,564	8,928	9,348	9,768	10,187	10,607
TOTAL WATER DEMAND	969	981	1,010	1,038	1,066	1,095	1,123	1,166	1,209	1,253	1,296	1,340	1,413	1,486	1,560	1,635	1,709	1,794	1,879	1,964	2,049
Conservation GPCD	164	164	164	165	165	166	166	166	167	167	168	168	169	169	170	170	171	171	172	172	172
Water Sources (AF):																					
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969	969
CAP - Recharge/Exch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use	--	13	41	69	97	126	155	197	240	284	327	371	444	517	591	666	740	825	910	995	1,080
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																					
B.O.Y. Balance	--	0	4,980	5,500	6,064	6,603	7,116	7,303	7,450	7,580	7,666	7,710	7,709	7,636	7,543	7,377	7,137	6,609	5,997	5,300	4,517
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	4,992	561	633	636	639	342	344	370	370	370	370	370	425	425	425	213	213	212	212	212
KQFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)	--	13	41	69	97	126	155	197	240	284	327	371	444	517	591	666	740	825	910	995	1,080
B.O.Y. Balance	0	4,980	5,500	6,064	6,603	7,116	7,303	7,450	7,580	7,666	7,710	7,709	7,636	7,543	7,377	7,137	6,609	5,997	5,300	4,517	3,650

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST

AREA PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 LITCHFIELD PARK																					
Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP	3,828	3,957	4,170	4,384	4,597	4,811	5,024	5,284	5,544	5,804	6,064	6,324	6,814	7,305	7,795	8,286	8,776	9,424	10,072	10,719	11,367
Demand Outside SRP (AF)	2,046	2,074	2,140	2,200	2,255	2,306	2,352	2,428	2,500	2,568	2,631	2,689	2,835	2,972	3,099	3,217	3,327	3,512	3,688	3,856	4,016
TOTAL POPULATION	3,828	3,957	4,170	4,384	4,597	4,811	5,024	5,284	5,544	5,804	6,064	6,324	6,814	7,305	7,795	8,286	8,776	9,424	10,072	10,719	11,367
TOTAL WATER DEMAND	2,046	2,074	2,140	2,200	2,255	2,306	2,352	2,428	2,500	2,568	2,631	2,689	2,835	2,972	3,099	3,217	3,327	3,512	3,688	3,856	4,016
Conservation GPCD	477	468	458	448	438	428	418	410	403	395	387	380	371	363	355	347	338	333	327	321	315
<u>Water Sources (AF):</u>																					
SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation	2,046	2,074	2,140	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200
CAP - Recharge/Exch	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580	5,580
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																					
B.O.Y. Balance	--	0	7,631	8,451	9,838	11,163	12,426	13,065	16,949	20,773	24,597	28,422	32,246	33,508	34,771	36,033	37,295	38,284	38,557	38,831	39,104
Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)	--	7,631	820	1,387	1,325	1,262	640	607	547	547	547	547	547	547	547	547	274	274	273	273	273
IGFR Credits (+)	--	0	0	0	0	0	0	3,277	3,277	3,277	3,277	3,277	715	715	715	715	715	0	0	0	0
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance	0	7,631	8,451	9,838	11,163	12,426	13,065	16,949	20,773	24,597	28,422	32,246	33,508	34,771	36,033	37,295	38,284	38,557	38,831	39,104	39,378

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2	CAREFREE																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	1,806	1,840	1,875	1,910	1,944	1,979	2,014	2,052	2,089	2,127	2,164	2,202	2,238	2,274	2,311	2,347	2,383	2,425	2,466	2,508	2,549
	Demand Outside SRP (AF)	1,505	1,518	1,533	1,547	1,561	1,575	1,588	1,604	1,620	1,635	1,650	1,664	1,679	1,694	1,709	1,723	1,737	1,754	1,772	1,788	1,805
	TOTAL POPULATION	1,806	1,840	1,875	1,910	1,944	1,979	2,014	2,052	2,089	2,127	2,164	2,202	2,238	2,274	2,311	2,347	2,383	2,425	2,466	2,508	2,549
	TOTAL WATER DEMAND	1,505	1,518	1,533	1,547	1,561	1,575	1,588	1,604	1,620	1,635	1,650	1,664	1,679	1,694	1,709	1,723	1,737	1,754	1,772	1,788	1,805
	Conservation GPCD	744	736	730	723	717	710	704	698	692	686	680	675	670	665	660	655	651	646	641	637	632
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	1,505	1,518	1,533	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547	1,547
	CAP - Recharge/Exch	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,316	1,420	1,552	1,681	1,807	1,873	1,936	2,008	2,081	2,153	2,225	2,297	2,396	2,494	2,592	2,642	2,691	2,740	2,789
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,316	104	132	129	126	65	64	72	72	72	72	72	98	98	98	49	49	49	49	49
	IGFR Credits	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,316	1,420	1,552	1,681	1,807	1,873	1,936	2,008	2,081	2,153	2,225	2,297	2,396	2,494	2,592	2,642	2,691	2,740	2,789	2,838

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2 CAVE CREEK																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		3,032	3,183	3,304	3,425	3,547	3,668	3,789	3,881	3,974	4,066	4,159	4,251	4,410	4,569	4,727	4,886	5,045	5,256	5,467	5,678	5,889
Demand Outside SRP (AF)		742	805	849	895	942	989	1,038	1,073	1,108	1,143	1,180	1,216	1,275	1,335	1,397	1,459	1,522	1,601	1,681	1,762	1,845
TOTAL POPULATION		3,032	3,183	3,304	3,425	3,547	3,668	3,789	3,881	3,974	4,066	4,159	4,251	4,410	4,569	4,727	4,886	5,045	5,256	5,467	5,678	5,889
TOTAL WATER DEMAND		742	805	849	895	942	989	1,038	1,073	1,108	1,143	1,180	1,216	1,275	1,335	1,397	1,459	1,522	1,601	1,681	1,762	1,845
Conservation GPCD		218	226	229	233	237	241	245	247	249	251	253	255	258	261	264	267	269	272	274	277	280
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		742	805	849	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895	895
CAP		1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	4,229	4,703	5,294	5,895	6,504	6,834	7,169	7,576	7,982	8,389	8,796	9,202	9,768	10,334	10,901	11,184	11,467	11,750	12,033
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	4,229	474	591	601	610	330	335	407	407	407	407	407	566	566	566	283	283	283	283	283
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	4,229	4,703	5,294	5,895	6,504	6,834	7,169	7,576	7,982	8,389	8,796	9,202	9,768	10,334	10,901	11,184	11,467	11,750	12,033	12,316

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	GILBERT																					
	Population inside SRP	46,502	50,200	55,899	61,599	67,298	72,998	78,697	82,553	86,409	90,265	94,121	97,977	100,139	102,301	104,462	106,624	108,786	111,872	114,959	118,045	121,132
	Demand in SRP (AF)	10,898	11,487	12,596	13,666	14,696	15,686	16,637	17,346	18,046	18,736	19,416	20,087	20,451	20,812	21,169	21,523	21,874	22,425	22,971	23,514	24,053
	Population outside SRP	6,300	6,876	8,070	9,263	10,457	11,650	12,844	14,194	15,544	16,895	18,245	19,595	22,437	25,279	28,121	30,963	33,805	36,521	39,236	41,952	44,667
	Demand Outside SRP (AF)	1,476	1,573	1,818	2,055	2,283	2,504	2,715	2,983	3,246	3,507	3,764	4,017	4,582	5,143	5,699	6,250	6,797	7,320	7,840	8,357	8,870
	TOTAL POPULATION	52,802	57,076	63,969	70,862	77,755	84,648	91,541	96,747	101,953	107,160	112,366	117,572	122,576	127,580	132,583	137,587	142,591	148,393	154,195	159,997	165,799
	TOTAL WATER DEMAND	12,375	13,060	14,415	15,721	16,979	18,190	19,352	20,329	21,293	22,243	23,180	24,104	25,033	25,955	26,868	27,774	28,671	29,745	30,812	31,871	32,923
	Conservation GPCD	209	204	201	198	195	192	189	188	186	185	184	183	182	182	181	180	180	179	178	178	177
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	10,898	11,487	12,596	13,666	14,696	15,686	16,637	17,346	18,046	18,736	19,416	20,087	20,451	20,812	21,169	21,523	21,874	22,425	22,971	23,514	24,053
	GW - Deemed/Designation	1,476	1,573	1,818	2,055	2,283	2,504	2,715	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088	4,088
	CAP - SRPMIC	0	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762	6,762
	RWCD Water	0	0	1,191	2,381	3,572	4,762	5,953	6,349	6,746	7,142	7,538	7,934	8,332	8,730	9,128	9,525	9,923	10,320	10,717	11,114	11,511
	CAP	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235	7,235
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	92,810	96,974	101,137	105,300	109,464	113,627	138,650	163,711	188,811	213,948	239,124	247,366	255,645	263,962	272,314	280,703	287,160	293,660	300,203
	Incidental Recharge (+)	--	0	0	0	0	0	0	774	813	852	890	927	964	1,001	1,038	1,075	1,111	1,147	1,190	1,232	1,275
	GW Allocation (+)	--	92,810	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	IGFR Credits (+)	--	0	4,163	4,163	4,163	4,163	4,163	24,248	24,248	24,248	24,248	24,248	7,278	7,278	7,278	7,278	7,278	5,310	5,310	5,310	5,310
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	92,810	96,974	101,137	105,300	109,464	113,627	138,650	163,711	188,811	213,948	239,124	247,366	255,645	263,962	272,314	280,703	287,160	293,660	300,203	306,788

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3 GLENDALE																						
Population inside SRP	110,460	108,539	111,239	113,939	116,638	119,338	122,038	125,377	128,716	132,055	135,394	138,733	143,647	148,560	153,474	158,387	163,301	164,609	165,917	167,224	168,532	
Demand in SRP (AF)	25,399	24,875	25,422	25,965	26,505	27,041	27,574	28,273	28,968	29,660	30,349	31,035	32,065	33,091	34,111	35,127	36,138	36,408	36,679	36,949	37,219	
Population outside SRP	67,347	73,953	76,461	78,969	81,478	83,986	86,494	87,742	88,990	90,238	91,486	92,734	94,022	95,309	96,597	97,884	99,172	99,585	99,998	100,412	100,825	
Demand Outside SRP (AF)	15,486	16,949	17,474	17,996	18,515	19,031	19,543	19,786	20,027	20,268	20,507	20,745	20,988	21,229	21,470	21,709	21,946	22,026	22,106	22,186	22,266	
TOTAL POPULATION	177,807	182,492	187,700	192,908	198,116	203,324	208,532	213,119	217,706	222,293	226,880	231,467	237,668	243,869	250,071	256,272	262,473	264,194	265,915	267,636	269,357	
TOTAL WATER DEMAND	40,885	41,824	42,896	43,961	45,020	46,072	47,118	48,058	48,995	49,928	50,856	51,781	53,053	54,320	55,581	56,835	58,084	58,435	58,785	59,135	59,485	
Conservation GPCD	205	205	204	203	203	202	202	201	201	201	200	200	199	199	198	198	198	197	197	197	197	
Water Sources (AF):																						
SRP Surface Water	25,399	24,875	25,422	25,965	26,505	27,041	27,574	28,273	28,968	29,660	30,349	31,035	32,065	33,091	34,111	35,127	36,138	36,408	36,679	36,949	37,219	
GW - Deemed/Designation	15,486	16,949	17,474	17,996	18,515	19,031	19,543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAP - Tribal Lease	0	0	0	0	0	0	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	1,814	
CAP - SRPMIC	0	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	
Plan 6 & Cons Space	0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	
MCMWCD Water	0	0	114	227	341	454	568	624	681	738	795	851	908	965	1,022	1,078	1,135	1,249	1,362	1,476	1,589	
CAP	11,000	11,000	11,000	11,000	11,000	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	14,183	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	306,640	318,387	330,135	341,882	353,629	365,376	378,081	390,824	403,604	416,422	429,276	431,640	434,055	436,520	439,036	441,602	448,705	455,823	462,954	
Incidental Recharge (+)	--	0	0	0	0	0	0	1,885	1,922	1,960	1,997	2,034	2,071	2,122	2,173	2,223	2,273	2,323	2,337	2,351	2,365	
GW Allocation (+)	--	306,640	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IGFR Credits (+)	--	0	11,747	11,747	11,747	11,747	11,747	10,820	10,820	10,820	10,820	10,820	293	293	293	293	293	4,780	4,780	4,780	4,780	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	306,640	318,387	330,135	341,882	353,629	365,376	378,081	390,824	403,604	416,422	429,276	431,640	434,055	436,520	439,036	441,602	448,705	455,823	462,954	470,099	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3 CHANDLER																						
Population inside SRP	108,033	112,158	117,757	123,356	128,956	134,555	140,154	145,892	151,631	157,369	163,108	168,846	174,193	179,540	184,887	190,234	195,581	202,037	208,493	214,949	221,405	
Demand in SRP (AF)	27,574	28,402	29,649	30,879	32,094	33,292	34,473	35,704	36,921	38,123	39,311	40,485	41,600	42,704	43,798	44,881	45,954	47,336	48,709	50,073	51,428	
Population outside SRP	8,901	9,963	10,313	10,662	11,012	11,361	11,711	13,931	16,150	18,370	20,589	22,809	27,260	31,710	36,161	40,611	45,062	49,037	53,011	56,986	60,960	
Demand Outside SRP (AF)	2,272	2,523	2,597	2,669	2,741	2,811	2,881	3,409	3,932	4,450	4,962	5,469	6,510	7,542	8,566	9,581	10,588	11,489	12,385	13,275	14,160	
TOTAL POPULATION	116,934	122,121	128,070	134,019	139,967	145,916	151,865	159,823	167,781	175,739	183,697	191,655	201,453	211,250	221,048	230,845	240,643	251,074	261,504	271,935	282,365	
TOTAL WATER DEMAND	29,845	30,925	32,245	33,548	34,834	36,103	37,354	39,113	40,853	42,573	44,274	45,954	48,109	50,246	52,364	54,462	56,542	58,825	61,093	63,348	65,588	
Conservation GPCD	228	226	225	223	222	221	220	218	217	216	215	214	213	212	211	211	210	209	209	208	207	
Water Sources (AF):																						
SRP Surface Water	27,574	28,402	29,649	30,879	32,094	33,292	34,473	35,704	36,921	38,123	39,311	40,485	41,600	42,704	43,798	44,881	45,954	47,336	48,709	50,073	51,428	
GW - Deemed/Designation	2,272	2,523	2,597	2,669	2,741	2,811	2,881	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CAP - Tribal Lease	0	0	0	0	0	0	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	2,586	
CAP - SRPMIC	0	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	
Plan 6 & Cons Space	0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	
RWCD Water	0	1,933	2,125	2,318	2,511	2,704	2,896	3,089	3,282	3,474	3,667	3,860	4,053	4,247	4,440	4,634	4,828	5,021	5,214	5,407	5,600	
CAP	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	3,668	
GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance	--	0	223,841	241,949	260,057	278,165	296,273	314,381	320,642	326,973	333,373	339,843	346,380	364,402	382,509	400,703	418,981	437,342	447,157	457,063	467,060	
Incidental Recharge (+)	--	0	0	0	0	0	0	1,494	1,565	1,634	1,703	1,771	1,838	1,924	2,010	2,095	2,178	2,262	2,353	2,444	2,534	
GW Allocation (+)	--	223,841	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
IGFR Credits (+)	--	0	18,108	18,108	18,108	18,108	18,108	4,766	4,766	4,766	4,766	4,766	16,183	16,183	16,183	16,183	16,183	7,553	7,553	7,553	7,553	
GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
E.O.Y. Balance	0	223,841	241,949	260,057	278,165	296,273	314,381	320,642	326,973	333,373	339,843	346,380	364,402	382,509	400,703	418,981	437,342	447,157	457,063	467,060	477,147	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3 SCOTTSDALE																						
Population inside SRP		71,653	72,588	73,090	73,592	74,094	74,596	75,098	75,366	75,634	75,901	76,169	76,437	76,651	76,865	77,080	77,294	77,508	77,701	77,894	78,087	78,280
Demand in SRP (AF)		23,403	23,436	23,410	23,381	23,350	23,316	23,279	23,217	23,155	23,091	23,026	22,960	22,917	22,874	22,830	22,785	22,740	22,720	22,699	22,678	22,657
Population outside SRP		82,649	87,176	91,939	96,703	101,466	106,230	110,993	115,938	120,883	125,827	130,772	135,717	140,325	144,932	149,540	154,147	158,755	162,677	166,599	170,521	174,443
Demand Outside SRP (AF)		26,995	28,146	29,447	30,724	31,976	33,203	34,406	35,716	37,007	38,280	39,533	40,767	41,954	43,129	44,291	45,440	46,576	47,566	48,549	49,523	50,490
TOTAL POPULATION		154,302	159,764	165,029	170,295	175,560	180,826	186,091	191,304	196,516	201,729	206,941	212,154	216,976	221,798	226,619	231,441	236,263	240,378	244,493	248,608	252,723
TOTAL WATER DEMAND		50,398	51,583	52,857	54,105	55,326	56,519	57,685	58,934	60,162	61,370	62,559	63,727	64,872	66,003	67,121	68,225	69,316	70,286	71,248	72,202	73,147
Conservation GPCD		292	288	286	284	281	279	277	275	273	272	270	268	267	266	264	263	262	261	260	259	258
Water Sources (AF):																						
SRP Surface Water		23,403	23,436	23,410	23,381	23,350	23,316	23,279	23,217	23,155	23,091	23,026	22,960	22,917	22,874	22,830	22,785	22,740	22,720	22,699	22,678	22,657
GW - Deemed/Designation		26,995	28,146	29,447	30,724	31,976	33,203	34,406	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP - Tribal Lease		0	0	0	0	0	0	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060	43,060
CAP - SRPMIC		0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Plan 6 & Cons Space		0	0	0	0	0	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622	4,622
CAP		21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442	21,442
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	377,988	378,039	378,089	378,140	378,191	378,242	380,549	382,906	385,313	387,768	390,270	392,819	395,414	398,054	400,739	403,468	406,241	409,052	411,902
Incidental Recharge (+)		--	0	0	0	0	0	0	2,307	2,357	2,406	2,455	2,502	2,549	2,595	2,640	2,685	2,729	2,773	2,811	2,850	2,888
GW Allocation (+)		--	377,988	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGFR Credits (+)		--	0	51	51	51	51	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	377,988	378,039	378,089	378,140	378,191	378,242	380,549	382,906	385,313	387,768	390,270	392,819	395,414	398,054	400,739	403,468	406,241	409,052	411,902	414,790

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4	MESA																					
	Population inside SRP	227,666	229,520	231,684	233,847	236,011	238,174	240,338	241,535	242,731	243,928	245,124	246,321	246,513	246,704	246,896	247,087	247,279	247,721	248,163	248,606	249,048
	Demand in SRP (AF)	49,061	49,420	49,844	50,267	50,689	51,110	51,531	51,755	51,979	52,203	52,426	52,649	52,669	52,689	52,708	52,728	52,748	52,819	52,891	52,962	53,033
	Population outside SRP	121,315	125,846	131,896	137,946	143,997	150,047	156,097	162,227	168,357	174,486	180,616	186,746	192,045	197,344	202,644	207,943	213,242	219,492	225,743	231,993	238,244
	Demand Outside SRP (AF)	26,143	27,097	28,376	29,652	30,927	32,199	33,469	34,761	36,052	37,342	38,629	39,916	41,032	42,147	43,261	44,375	45,487	46,800	48,112	49,423	50,733
	TOTAL POPULATION	348,981	355,366	363,580	371,794	380,007	388,221	396,435	403,761	411,088	418,414	425,741	433,067	438,558	444,049	449,539	455,030	460,521	467,214	473,906	480,599	487,291
	TOTAL WATER DEMAND	75,203	76,517	78,220	79,919	81,615	83,309	84,999	86,516	88,031	89,544	91,056	92,565	93,701	94,836	95,970	97,103	98,235	99,619	101,003	102,385	103,766
	Conservation GPCD	192	192	192	192	192	192	191	191	191	191	191	191	191	191	191	191	190	190	190	190	190
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	49,061	49,420	49,844	50,267	50,689	51,110	51,531	51,755	51,979	52,203	52,426	52,649	52,669	52,689	52,708	52,728	52,748	52,819	52,891	52,962	53,033
	GW - Deemed/Designation	26,143	27,097	28,376	29,652	30,927	32,199	33,469	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669	1,669
	CAP - SRPMIC	0	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760	2,760
	Plan 6 & Cons Space	0	0	0	0	0	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936	6,936
	RWCD Water	0	0	0	0	0	0	3,218	3,432	3,646	3,860	4,074	4,289	4,504	4,719	4,934	5,149	5,364	5,579	5,793	6,008	6,222
	CAP	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292	34,292
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	564,024	574,367	584,710	595,052	605,395	615,738	621,151	626,625	632,159	637,754	643,410	647,112	650,860	654,654	658,492	662,377	670,750	679,178	687,662
	Incidental Recharge (+)	--	0	0	0	0	0	0	3,400	3,461	3,521	3,582	3,642	3,703	3,748	3,793	3,839	3,884	3,929	3,985	4,040	4,095
	GW Allocation (+)	--	564,024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICFR Credits (+)	--	0	10,343	10,343	10,343	10,343	10,343	2,013	2,013	2,013	2,013	2,013	2,013	0	0	0	0	4,444	4,444	4,444	4,444
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	564,024	574,367	584,710	595,052	605,395	615,738	621,151	626,625	632,159	637,754	643,410	647,112	650,860	654,654	658,492	662,377	670,750	679,178	687,662	696,201

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4 PHOENIX																						
Population inside SRP		606,294	621,113	629,299	637,485	645,670	653,856	662,042	670,322	678,603	686,883	695,164	703,444	711,975	720,506	729,038	737,569	746,100	756,629	767,158	777,688	788,217
Demand in SRP (AF)		162,484	165,977	167,716	169,443	171,158	172,861	174,553	176,336	178,109	179,872	181,625	183,368	185,220	187,063	188,897	190,723	192,539	194,855	197,159	199,453	201,735
Population outside SRP		464,265	466,940	477,936	488,933	499,929	510,926	521,922	532,519	543,115	553,712	564,308	574,905	585,520	596,136	606,751	617,367	627,982	640,084	652,186	664,288	676,390
Demand Outside SRP (AF)		124,421	124,778	127,376	129,958	132,524	135,075	137,609	140,085	142,548	144,999	147,436	149,861	152,323	154,773	157,212	159,640	162,057	164,841	167,612	170,369	173,114
TOTAL POPULATION		1,070,558	1,088,053	1,107,235	1,126,417	1,145,600	1,164,782	1,183,964	1,202,841	1,221,718	1,240,595	1,259,472	1,278,349	1,297,496	1,316,642	1,335,789	1,354,935	1,374,082	1,396,713	1,419,344	1,441,976	1,464,607
TOTAL WATER DEMAND		286,905	290,756	295,092	299,401	303,682	307,936	312,163	316,421	320,657	324,870	329,061	333,229	337,543	341,836	346,110	350,363	354,596	359,696	364,771	369,822	374,849
Conservation GPCD		239	239	238	237	237	236	235	235	234	234	233	233	232	232	231	231	230	230	229	229	228
Water Sources (AF):																						
SRP Surface Water		162,484	165,977	167,716	169,443	171,158	172,861	174,553	176,336	178,109	179,872	181,625	183,368	185,220	187,063	188,897	190,723	192,539	194,855	197,159	199,453	201,735
GW - Deemed/Designation		124,421	124,778	127,376	129,958	132,524	135,075	137,609	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP - Tribal Lease		0	0	0	0	0	0	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323	9,323
CAP - SRP/MIC		0	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Gatewtr, Pln 6 & Cons Space		21,000	21,000	21,000	21,000	21,000	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384	55,384
RWCD Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP		113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882	113,882
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	2,151,786	2,158,385	2,164,983	2,171,581	2,178,179	2,184,777	2,204,916	2,225,225	2,245,703	2,266,350	2,287,165	2,311,327	2,335,661	2,360,167	2,384,845	2,409,692	2,441,312	2,473,137	2,505,164
Incidental Recharge (+)		--	0	0	0	0	0	0	12,487	12,657	12,826	12,995	13,162	13,329	13,502	13,673	13,844	14,015	14,184	14,388	14,591	14,793
GW Allocation (+)		--	2,151,786	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IGFR Credits		--	0	6,598	6,598	6,598	6,598	6,598	7,652	7,652	7,652	7,652	7,652	10,833	10,833	10,833	10,833	10,833	17,437	17,437	17,437	17,437
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	2,151,786	2,158,385	2,164,983	2,171,581	2,178,179	2,184,777	2,204,916	2,225,225	2,245,703	2,266,350	2,287,165	2,311,327	2,335,661	2,360,167	2,384,845	2,409,692	2,441,312	2,473,137	2,505,164	2,537,394

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4	TEMPE																					
	Population inside SRP	148,703	150,893	152,262	153,631	154,999	156,368	157,737	159,066	160,395	161,724	163,053	164,382	164,778	165,174	165,570	165,966	166,362	166,826	167,290	167,755	168,219
	Demand in SRP (AF)	45,885	46,666	47,150	47,634	48,120	48,607	49,095	49,563	50,032	50,502	50,972	51,444	51,585	51,726	51,867	52,008	52,149	52,312	52,476	52,639	52,803
	Population outside SRP	142	177	249	322	394	467	539	562	585	607	630	653	689	726	762	799	835	830	825	819	814
	Demand Outside SRP (AF)	44	55	77	100	122	145	168	175	182	190	197	204	216	227	239	250	262	260	259	257	256
	TOTAL POPULATION	148,844	151,070	152,511	153,952	155,394	156,835	158,276	159,628	160,980	162,331	163,683	165,035	165,467	165,900	166,332	166,765	167,197	167,656	168,115	168,574	169,033
	TOTAL WATER DEMAND	45,929	46,721	47,227	47,734	48,243	48,752	49,263	49,738	50,214	50,691	51,169	51,648	51,800	51,953	52,105	52,258	52,411	52,573	52,735	52,896	53,059
	Conservation GPCD	275	276	276	277	277	278	278	278	278	279	279	279	279	280	280	280	280	280	280	280	280
4	GUADALUPE																					
4	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Population outside SRP	5,612	5,652	5,698	5,744	5,790	5,836	5,882	5,947	6,012	6,077	6,142	6,207	6,286	6,365	6,444	6,523	6,602	6,668	6,734	6,799	6,865
4	Demand Outside SRP (AF)	1,687	1,701	1,717	1,733	1,750	1,766	1,782	1,805	1,828	1,851	1,874	1,897	1,925	1,952	1,980	2,008	2,036	2,059	2,083	2,106	2,129
4	TOTAL POPULATION	5,612	5,652	5,698	5,744	5,790	5,836	5,882	5,947	6,012	6,077	6,142	6,207	6,286	6,365	6,444	6,523	6,602	6,668	6,734	6,799	6,865
4	TOTAL WATER DEMAND	1,687	1,701	1,717	1,733	1,750	1,766	1,782	1,805	1,828	1,851	1,874	1,897	1,925	1,952	1,980	2,008	2,036	2,059	2,083	2,106	2,129
	Conservation GPCD	268	269	269	269	270	270	270	271	271	272	272	273	273	274	274	275	275	276	276	276	277
	TEMPE + GUADALUPE DEMAND	47,616	48,422	48,944	49,468	49,992	50,518	51,045	51,543	52,042	52,542	53,043	53,545	53,725	53,905	54,086	54,266	54,447	54,632	54,817	55,002	55,188
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	45,885	46,666	47,150	47,634	48,120	48,607	49,095	49,563	50,032	50,502	50,972	51,444	51,585	51,726	51,867	52,008	52,149	52,312	52,476	52,639	52,803
	GW - Deemed/Designation	1,731	1,756	1,794	1,833	1,872	1,911	1,950	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP - Tribal Lease	0	0	0	0	0	0	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
	CAP - SRPMIC	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Plan 6 & Cons Space	0	0	0	0	0	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311	2,311
	RWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315	4,315
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	357,121	357,525	357,929	358,333	358,737	359,141	363,468	367,815	372,183	376,570	380,977	383,119	385,268	387,424	389,588	391,758	393,936	396,121	398,314
	Incidental Recharge (+)	--	0	0	0	0	0	0	2,042	2,062	2,082	2,102	2,122	2,142	2,149	2,156	2,163	2,171	2,178	2,185	2,193	2,200
	GW Allocation (+)	--	357,121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ICFR Credits (+)	--	0	404	404	404	404	404	2,286	2,286	2,286	2,286	2,286	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	357,121	357,525	357,929	358,333	358,737	359,141	363,468	367,815	372,183	376,570	380,977	383,119	385,268	387,424	389,588	391,758	393,936	396,121	398,314	400,514

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5	QUEEN CREEK																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	3,438	3,498	3,553	3,608	3,662	3,717	3,772	3,819	3,865	3,912	3,958	4,005	4,107	4,208	4,310	4,411	4,513	4,636	4,760	4,883	5,007
	Demand Outside SRP (AF)	767	776	784	793	801	809	817	824	831	838	845	852	868	884	899	914	929	948	967	985	1,003
	TOTAL POPULATION	3,438	3,498	3,553	3,608	3,662	3,717	3,772	3,819	3,865	3,912	3,958	4,005	4,107	4,208	4,310	4,411	4,513	4,636	4,760	4,883	5,007
	TOTAL WATER DEMAND	767	776	784	793	801	809	817	824	831	838	845	852	868	884	899	914	929	948	967	985	1,003
	Conservation GPCD	199	198	197	196	195	194	193	193	192	191	191	190	189	187	186	185	184	182	181	180	179
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767	767
	CAP	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348	348
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,100	1,210	1,354	1,496	1,635	1,708	1,779	1,865	1,951	2,036	2,122	2,208	2,325	2,443	2,560	2,619	2,677	2,736	2,795
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,100	110	144	142	139	73	72	86	86	86	86	86	117	117	117	59	59	59	59	59
	IGPR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,100	1,210	1,354	1,496	1,635	1,708	1,779	1,865	1,951	2,036	2,122	2,208	2,325	2,443	2,560	2,619	2,677	2,736	2,795	2,854

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5 SUN LAKES																						
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	5,725	5,875	6,201	6,527	6,854	7,180	7,506	8,173	8,840	9,507	10,174	10,841	11,643	12,446	13,248	14,051	14,853	15,309	15,764	16,220	16,675
	Demand Outside SRP (AF)	2,484	2,552	2,697	2,843	2,989	3,135	3,282	3,579	3,877	4,175	4,475	4,775	5,133	5,492	5,851	6,211	6,572	6,775	6,979	7,183	7,387
	TOTAL POPULATION	5,725	5,875	6,201	6,527	6,854	7,180	7,506	8,173	8,840	9,507	10,174	10,841	11,643	12,446	13,248	14,051	14,853	15,309	15,764	16,220	16,675
	TOTAL WATER DEMAND	2,484	2,552	2,697	2,843	2,989	3,135	3,282	3,579	3,877	4,175	4,475	4,775	5,133	5,492	5,851	6,211	6,572	6,775	6,979	7,183	7,387
	Conservation GPCD	387	388	388	389	389	390	390	391	392	392	393	393	394	394	394	395	395	395	395	395	395
<u>Water Sources (AF):</u>																						
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484	2,484
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	67	213	358	504	651	797	1,094	1,392	1,691	1,990	2,291	2,649	3,007	3,367	3,727	4,087	4,291	4,495	4,699	4,903
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
	B.O.Y. Balance	--	0	27,882	38,522	47,841	57,015	66,043	74,211	73,934	73,019	71,806	70,293	68,480	66,308	63,581	60,494	57,047	53,100	48,949	44,594	40,035
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	27,949	2,704	1,528	1,529	1,530	816	817	477	477	477	477	477	280	280	280	140	140	140	140	140
	IGWR Credits (+)	--	0	8,149	8,149	8,149	8,149	8,149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	67	213	358	504	651	797	1,094	1,392	1,691	1,990	2,291	2,649	3,007	3,367	3,727	4,087	4,291	4,495	4,699	4,903
	E.O.Y. Balance	0	27,882	38,522	47,841	57,015	66,043	74,211	73,934	73,019	71,806	70,293	68,480	66,308	63,581	60,494	57,047	53,100	48,949	44,594	40,035	35,272

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6	SUN CITY																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	38,652	38,784	38,874	38,964	39,053	39,143	39,233	39,295	39,356	39,418	39,479	39,541	39,582	39,623	39,664	39,705	39,746	39,777	39,808	39,840	39,871
	Demand Outside SRP (AF)	12,554	12,585	12,607	12,628	12,650	12,671	12,693	12,708	12,722	12,737	12,752	12,767	12,777	12,786	12,796	12,806	12,816	12,823	12,831	12,838	12,846
	TOTAL POPULATION	38,652	38,784	38,874	38,964	39,053	39,143	39,233	39,295	39,356	39,418	39,479	39,541	39,582	39,623	39,664	39,705	39,746	39,777	39,808	39,840	39,871
	TOTAL WATER DEMAND	12,554	12,585	12,607	12,628	12,650	12,671	12,693	12,708	12,722	12,737	12,752	12,767	12,777	12,786	12,796	12,806	12,816	12,823	12,831	12,838	12,846
	Conservation GPCD	290	290	290	289	289	289	289	289	289	288	288	288	288	288	288	288	288	288	288	288	288
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	12,554	12,585	12,607	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628	12,628
	MCMWCD Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835	15,835
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	1,332	1,405	1,462	1,518	1,574	1,604	1,633	1,661	1,688	1,716	1,743	1,771	1,800	1,828	1,857	1,872	1,886	1,901	1,915
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	1,332	74	56	56	56	30	30	27	27	27	27	27	29	29	29	14	14	14	14	14
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	1,332	1,405	1,462	1,518	1,574	1,604	1,633	1,661	1,688	1,716	1,743	1,771	1,800	1,828	1,857	1,872	1,886	1,901	1,915	1,930

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6 SUN CITY WEST																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Population outside SRP		19,826	20,705	21,433	22,161	22,888	23,616	24,344	24,986	25,628	26,269	26,911	27,553	28,200	28,848	29,495	30,143	30,790	31,636	32,482	33,328	34,174
Demand Outside SRP (AF)		5,137	5,320	5,481	5,641	5,799	5,955	6,109	6,250	6,391	6,530	6,668	6,805	6,947	7,089	7,229	7,369	7,507	7,693	7,878	8,061	8,244
TOTAL POPULATION		19,826	20,705	21,433	22,161	22,888	23,616	24,344	24,986	25,628	26,269	26,911	27,553	28,200	28,848	29,495	30,143	30,790	31,636	32,482	33,328	34,174
TOTAL WATER DEMAND		5,137	5,320	5,481	5,641	5,799	5,955	6,109	6,250	6,391	6,530	6,668	6,805	6,947	7,089	7,229	7,369	7,507	7,693	7,878	8,061	8,244
Conservation GPCD		231	229	228	227	226	225	224	223	223	222	221	220	220	219	219	218	218	217	217	216	215
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW - No Designation		5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	5,137	
MCMWCD Water		0	0	46	92	138	183	229	252	275	298	321	344	367	390	413	436	459	504	550	596	642
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account Use		--	183	299	412	524	635	743	862	979	1,095	1,211	1,325	1,444	1,562	1,680	1,796	1,912	2,052	2,191	2,329	2,465
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Account (AF):																						
B.O.Y. Balance		--	0	16,558	17,300	18,280	19,140	19,882	19,869	19,732	19,518	19,188	18,743	18,183	17,504	17,000	16,379	15,640	14,257	15,472	16,548	17,487
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
GW Allocation (+)		--	16,741	1,041	1,393	1,385	1,376	730	725	765	765	765	765	765	1,058	1,058	1,058	529	529	529	529	
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,738	2,738	2,738	
GW Alloc Used (-)		--	183	299	412	524	635	743	862	979	1,095	1,211	1,325	1,444	1,562	1,680	1,796	1,912	2,052	2,191	2,329	
E.O.Y. Balance		0	16,558	17,300	18,280	19,140	19,882	19,869	19,732	19,518	19,188	18,743	18,183	17,504	17,000	16,379	15,640	14,257	15,472	16,548	17,487	

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7	FOUNTAIN HILLS																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	11,971	12,434	12,993	13,552	14,112	14,671	15,230	15,646	16,062	16,478	16,894	17,310	17,903	18,496	19,090	19,683	20,276	20,961	21,647	22,332	23,018
	Demand Outside SRP (AF)	3,226	3,322	3,446	3,569	3,690	3,808	3,925	4,016	4,106	4,196	4,285	4,373	4,504	4,633	4,761	4,887	5,013	5,163	5,312	5,460	5,606
	TOTAL POPULATION	11,971	12,434	12,993	13,552	14,112	14,671	15,230	15,646	16,062	16,478	16,894	17,310	17,903	18,496	19,090	19,683	20,276	20,961	21,647	22,332	23,018
	TOTAL WATER DEMAND	3,226	3,322	3,446	3,569	3,690	3,808	3,925	4,016	4,106	4,196	4,285	4,373	4,504	4,633	4,761	4,887	5,013	5,163	5,312	5,460	5,606
	Conservation GPCD	241	238	237	235	233	232	230	229	228	227	226	226	225	224	223	222	221	220	219	218	217
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	3,226	3,322	3,446	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569	3,569
	CAP	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978	6,978
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	9,887	10,827	11,954	13,072	14,181	14,767	15,348	16,282	17,215	18,149	19,083	20,016	20,666	21,315	21,964	22,289	22,613	22,938	23,262
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	9,887	940	1,127	1,118	1,109	586	581	934	934	934	934	934	649	649	649	325	325	325	325	325
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	9,887	10,827	11,954	13,072	14,181	14,767	15,348	16,282	17,215	18,149	19,083	20,016	20,666	21,315	21,964	22,289	22,613	22,938	23,262	23,587

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7	RIO VERDE																					
	Population inside SRP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Demand in SRP (AF)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Population outside SRP	1,487	1,694	1,872	2,050	2,227	2,405	2,583	2,588	2,593	2,597	2,602	2,607	2,610	2,613	2,616	2,619	2,622	2,628	2,633	2,639	2,644
	Demand Outside SRP (AF)	1,908	1,972	2,130	2,279	2,418	2,548	2,669	2,672	2,676	2,680	2,684	2,687	2,690	2,692	2,695	2,697	2,699	2,704	2,708	2,712	2,717
	TOTAL POPULATION	1,487	1,694	1,872	2,050	2,227	2,405	2,583	2,588	2,593	2,597	2,602	2,607	2,610	2,613	2,616	2,619	2,622	2,628	2,633	2,639	2,644
	TOTAL WATER DEMAND	1,908	1,972	2,130	2,279	2,418	2,548	2,669	2,672	2,676	2,680	2,684	2,687	2,690	2,692	2,695	2,697	2,699	2,704	2,708	2,712	2,717
	Conservation GPCD	1,145	1,039	1,016	992	969	946	922	922	922	921	921	920	920	920	920	919	919	919	918	918	917
	Water Sources (AF):																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	1,908	1,972	2,130	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279	2,279
	CAP (SRP Exch)	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812	812
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account (AF):																					
	B.O.Y. Balance	--	0	3,137	3,155	3,188	3,221	3,254	3,271	3,289	3,348	3,407	3,466	3,524	3,583	3,667	3,750	3,834	3,875	3,917	3,959	4,000
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	3,137	18	33	33	33	18	18	59	59	59	59	59	83	83	83	42	42	42	42	42
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	3,137	3,155	3,188	3,221	3,254	3,271	3,289	3,348	3,407	3,466	3,524	3,583	3,667	3,750	3,834	3,875	3,917	3,959	4,000	4,042

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7 PARADISE VALLEY																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		12,688	12,795	12,919	13,042	13,166	13,289	13,413	13,524	13,635	13,746	13,857	13,968	14,071	14,175	14,278	14,382	14,485	14,578	14,671	14,764	14,857
Demand Outside SRP (AF)		12,015	12,039	12,073	12,105	12,136	12,165	12,192	12,222	12,251	12,279	12,305	12,330	12,358	12,384	12,410	12,435	12,459	12,483	12,507	12,530	12,553
TOTAL POPULATION		12,688	12,795	12,919	13,042	13,166	13,289	13,413	13,524	13,635	13,746	13,857	13,968	14,071	14,175	14,278	14,382	14,485	14,578	14,671	14,764	14,857
TOTAL WATER DEMAND		12,015	12,039	12,073	12,105	12,136	12,165	12,192	12,222	12,251	12,279	12,305	12,330	12,358	12,384	12,410	12,435	12,459	12,483	12,507	12,530	12,553
Conservation GPCD		845	840	834	829	823	817	811	807	802	797	793	788	784	780	776	772	768	764	761	758	754
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		12,015	12,039	12,073	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105	12,105
CAP		3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663	3,663
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	2,475	2,654	2,838	3,016	3,190	3,279	3,366	3,474	3,581	3,689	3,797	3,904	4,025	4,145	4,266	4,326	4,386	4,446	4,506
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	2,475	179	184	179	173	90	87	108	108	108	108	108	120	120	120	60	60	60	60	60
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	2,475	2,654	2,838	3,016	3,190	3,279	3,366	3,474	3,581	3,689	3,797	3,904	4,025	4,145	4,266	4,326	4,386	4,446	4,506	4,566

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
8 SURPRISE and REST OF COUNTY																						
Population inside SRP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Demand in SRP (AF)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Population outside SRP		30,039	31,944	33,114	34,284	35,454	36,624	37,794	39,205	40,616	42,027	43,438	44,849	46,841	48,833	50,825	52,817	54,809	57,375	59,941	62,508	65,074
Demand Outside SRP (AF)		7,321	7,557	7,748	7,933	8,112	8,284	8,451	8,679	8,901	9,116	9,326	9,529	9,850	10,163	10,467	10,763	11,050	11,461	11,863	12,255	12,637
TOTAL POPULATION		30,039	31,944	33,114	34,284	35,454	36,624	37,794	39,205	40,616	42,027	43,438	44,849	46,841	48,833	50,825	52,817	54,809	57,375	59,941	62,508	65,074
TOTAL WATER DEMAND		7,321	7,557	7,748	7,933	8,112	8,284	8,451	8,679	8,901	9,116	9,326	9,529	9,850	10,163	10,467	10,763	11,050	11,461	11,863	12,255	12,637
Conservation GPCD		218	211	209	207	204	202	200	198	196	194	192	190	188	186	184	182	180	178	177	175	173
<u>Water Sources (AF):</u>																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		7,321	7,557	7,748	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933	7,933
MCMWCD Water		0	0	236	472	708	944	1,180	1,298	1,416	1,534	1,652	1,770	1,888	2,006	2,124	2,242	2,360	2,596	2,831	3,067	3,303
CAP		3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788	3,788
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
B.O.Y. Balance		--	0	21,226	23,379	26,462	29,473	32,413	33,943	41,236	49,073	56,910	64,746	72,583	77,991	84,206	90,421	96,636	101,429	105,000	108,637	112,275
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	21,226	2,153	3,083	3,011	2,940	1,530	1,492	2,036	2,036	2,036	2,036	2,036	2,844	2,844	2,844	1,422	1,422	1,489	1,489	1,489
IGFR Credits (+)		--	0	0	0	0	0	0	5,801	5,801	5,801	5,801	5,801	3,371	3,371	3,371	3,371	3,371	2,148	2,148	2,148	2,148
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	21,226	23,379	26,462	29,473	32,413	33,943	41,236	49,073	56,910	64,746	72,583	77,991	84,206	90,421	96,636	101,429	105,000	108,637	112,275	115,912

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.1	APACHE JUNCTION																					
	TOTAL POPULATION	19,302	19,645	19,988	20,331	20,673	21,016	21,359	21,665	21,971	22,276	22,582	22,888	23,194	23,500	23,805	24,111	24,417	24,724	25,032	25,339	25,647
	TOTAL WATER DEMAND	3,062	3,103	3,157	3,211	3,265	3,319	3,373	3,421	3,470	3,518	3,567	3,615	3,663	3,711	3,760	3,808	3,856	3,905	3,953	4,002	4,050
	ASSUMED GPCD	142	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
	<u>Water Sources (AF):</u>																					
	SRP Surface Water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW - No Designation	3,062	3,103	3,157	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211	3,211
	CAP	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	4,476	4,837	5,202	5,566	5,931	6,125	6,320	6,514	6,708	6,903	7,097	7,292	7,465	7,639	7,812	7,899	7,986	8,067	8,148
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	4,476	361	364	364	364	194	194	194	194	194	194	194	174	174	174	87	87	81	81	81
	IGFR Credits (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	4,476	4,837	5,202	5,566	5,931	6,125	6,320	6,514	6,708	6,903	7,097	7,292	7,465	7,639	7,812	7,899	7,986	8,067	8,148	8,228

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.2 SUPERIOR																						
TOTAL POPULATION		3,704	3,763	3,822	3,881	3,939	3,998	4,057	4,115	4,173	4,232	4,290	4,348	4,406	4,464	4,522	4,580	4,638	4,696	4,753	4,813	4,872
TOTAL WATER DEMAND		524	518	526	534	543	551	559	567	575	583	591	599	607	615	623	631	639	647	655	663	671
ASSUMED GPCD		126	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524	524
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	2	10	18	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	802	860	909	951	984	981	970	951	925	890	847	796	734	664	586	485	377	259	134
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	802	60	60	60	60	32	32	32	32	32	32	32	29	29	29	14	14	13	13	13
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	2	10	18	27	35	43	51	59	67	75	83	91	99	107	115	123	131	139	147
E.O.Y. Balance		0	802	860	909	951	984	981	970	951	925	890	847	796	734	664	586	485	377	259	134	0

PHOENIX AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
P.3 BALANCE OF PHOENIX AMA IN PINAL COUNTY (incl. queen creek & new magma)																						
TOTAL POPULATION		10,613	10,785	10,957	11,129	11,302	11,474	11,646	11,813	11,980	12,146	12,313	12,480	12,647	12,813	12,980	13,146	13,313	13,481	13,648	13,816	13,983
TOTAL WATER DEMAND		1,503	1,486	1,510	1,534	1,557	1,581	1,605	1,628	1,651	1,673	1,696	1,719	1,742	1,765	1,788	1,811	1,834	1,857	1,880	1,904	1,927
ASSUMED GPCD		126	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123	123
Water Sources (AF):																						
SRP Surface Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW - No Designation		1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503	1,503
RWCD Water		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	7	31	55	79	102	125	148	171	194	216	239	262	285	308	331	355	378	401	410
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
GW Account (AF):																						
B.O.Y. Balance		--	0	2,313	2,478	2,621	2,740	2,836	2,826	2,794	2,738	2,659	2,557	2,433	2,286	2,106	1,903	1,677	1,387	1,073	734	371
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	2,313	173	174	174	174	93	93	92	92	92	92	92	82	82	82	41	41	38	38	38
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	7	31	55	79	102	125	148	171	194	216	239	262	285	308	331	355	378	401	410
E.O.Y. Balance		0	2,313	2,478	2,621	2,740	2,836	2,826	2,794	2,738	2,659	2,557	2,433	2,286	2,106	1,903	1,677	1,387	1,073	734	371	0

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
CASA GRANDE / COOLIDGE / FLORENCE																						
TOTAL POPULATION		43,365	44,115	44,865	45,615	46,365	47,115	47,865	48,550	49,235	49,921	50,606	51,291	51,976	52,661	53,346	54,031	54,716	55,405	56,094	56,783	57,472
TOTAL WATER DEMAND		10,356	10,180	10,222	10,260	10,294	10,323	10,348	10,442	10,534	10,624	10,714	10,801	10,899	10,995	11,091	11,185	11,277	11,382	11,486	11,589	11,691
ASSUMED GPCD		213	206	203	201	198	196	193	192	191	190	189	188	187	186	186	185	184	183	183	182	182
Water Sources (AF):																						
GW - No Designation		10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356	10,356
CAP		12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932	12,932
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	105	315	630	1,050	1,575	2,205	2,931	3,753	4,671	5,685	6,795	8,000	9,302	10,700	12,193	13,782	15,468	17,250	19,129
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	105	210	315	420	525	630	726	822	918	1,014	1,110	1,206	1,302	1,398	1,493	1,589	1,686	1,782	1,879	1,975
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	105	315	630	1,050	1,575	2,205	2,931	3,753	4,671	5,685	6,795	8,000	9,302	10,700	12,193	13,782	15,468	17,250	19,129	21,104

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
MARICOPA - STANFIELD																						
TOTAL POPULATION		3,367	3,424	3,481	3,538	3,596	3,653	3,710	3,763	3,816	3,870	3,923	3,976	4,029	4,082	4,135	4,188	4,241	4,294	4,348	4,401	4,455
TOTAL WATER DEMAND		602	610	617	624	631	637	644	652	659	667	674	681	689	696	703	710	717	725	733	741	749
ASSUMED GPCD		160	159	158	157	157	156	155	155	154	154	153	153	153	152	152	151	151	151	151	150	150
Water Sources (AF):																						
GW - No Designation		602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602	602
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	8	15	22	29	36	42	50	57	65	72	80	87	94	101	108	115	124	132	140	148
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	0	1	3	6	11	17	22	28	34	39	45	51	57	63	70	77	83	89	94
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	8	16	24	32	40	48	56	63	70	78	85	93	100	108	115	122	130	137	145	152
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	8	15	22	29	36	42	50	57	65	72	80	87	94	101	108	115	124	132	140	148
E.O.Y. Balance		0	0	1	3	6	11	17	22	28	34	39	45	51	57	63	70	77	83	89	94	99

PINAL AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
ELOY																						
TOTAL POPULATION		7,753	7,889	8,012	8,135	8,258	8,381	8,504	8,624	8,743	8,863	8,982	9,102	9,226	9,350	9,473	9,597	9,721	9,846	9,972	10,097	10,223
TOTAL WATER DEMAND		1,956	2,041	2,050	2,058	2,065	2,071	2,077	2,098	2,119	2,140	2,161	2,182	2,203	2,224	2,245	2,266	2,287	2,310	2,332	2,355	2,377
ASSUMED GPCD		225	231	228	226	223	221	218	217	216	216	215	214	213	212	212	211	210	209	209	208	208
Water Sources (AF):																						
GW - No Designation		1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956	1,956
CAP		2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171	2171
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	19	55	109	179	267	372	494	633	788	960	1,149	1,355	1,579	1,819	2,078	2,353	2,646	2,957	3,285
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	19	36	53	71	88	105	122	139	155	172	189	206	223	241	258	275	293	311	328	346
IGFR Credits (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	19	55	109	179	267	372	494	633	788	960	1,149	1,355	1,579	1,819	2,078	2,353	2,646	2,957	3,285	3,631

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
1 TUCSON																						
TOTAL POPULATION		559,248	567,951	576,653	585,356	594,058	602,761	611,463	620,166	628,868	637,571	646,273	654,976	663,678	672,381	681,083	689,786	698,488	707,191	715,893	724,596	733,298
TOTAL WATER DEMAND		100,295	101,459	102,611	103,750	104,877	105,992	107,095	108,186	109,264	110,331	111,385	112,427	113,457	114,475	115,480	116,474	117,455	118,424	119,381	120,326	121,258
Conservation GPCD		160	159	159	158	158	157	156	156	155	154	154	153	153	152	151	151	150	149	149	148	148
Water Sources (AF):																						
GW - Deemed/Designation		100,295	101,459	102,611	103,750	104,877	105,992	107,095	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAP		148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420	148,420
Effluent (non-potable)		1,545	1,931	2,287	2,643	2,998	3,354	3,710	3,790	3,871	3,951	4,032	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112	4,112
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
B.O.Y. Balance		--	0	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,508,713	1,513,040	1,517,411	1,521,824	1,526,280	1,530,777	1,535,315	1,539,894	1,544,513	1,549,172	1,553,870	1,558,607	1,563,383
Incidental Recharge (+)		--	0	0	0	0	0	0	4,284	4,327	4,371	4,413	4,455	4,497	4,538	4,579	4,619	4,659	4,698	4,737	4,775	4,813
GW Allocation (+)		--	1,504,429	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance		0	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,504,429	1,508,713	1,513,040	1,517,411	1,521,824	1,526,280	1,530,777	1,535,315	1,539,894	1,544,513	1,549,172	1,553,870	1,558,607	1,563,383	1,568,196

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
2	MUNI w/o RENEWABLE (Marana & Cortaro)																					
	TOTAL POPULATION	4,336	4,847	6,856	8,865	10,873	12,882	14,891	17,786	20,681	23,577	26,472	29,367	32,742	36,117	39,492	42,867	46,242	49,492	52,742	55,992	59,242
	TOTAL WATER DEMAND	621	679	955	1,229	1,501	1,769	2,035	2,431	2,826	3,222	3,618	4,013	4,467	4,919	5,370	5,820	6,268	6,708	7,149	7,589	8,030
	Conservation OPCD	128	125	124	124	123	123	122	122	122	122	122	122	122	122	121	121	121	121	121	121	121
	<u>Water Sources (AF):</u>																					
	GW - Designation	621	679	955	1,229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
	GW Account Use	--	0	0	0	1,454	1,722	1,988	2,384	2,122	113	129	145	161	179	197	215	233	251	268	286	304
	GRD Demand	--	0	0	0	0	0	0	0	657	3,062	3,442	3,822	4,260	4,694	5,127	5,558	5,988	6,410	6,833	7,256	7,679
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	9,311	9,311	9,311	7,906	6,244	4,327	2,025	0	0	0	0	0	0	0	0	0	0	0	0
	Incidental Recharge (+)	--	0	0	0	49	60	71	81	97	113	129	145	161	179	197	215	233	251	268	286	304
	GW Allocation (+)	--	9,311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	1,454	1,722	1,988	2,384	2,122	113	129	145	161	179	197	215	233	251	268	286	304
	E.O.Y. Balance	0	9,311	9,311	9,311	7,906	6,244	4,327	2,025	0	0	0	0	0	0	0	0	0	0	0	0	0

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES

Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Metropolitan DWID																					
	TOTAL POPULATION	40,589	41,610	42,630	43,651	44,671	45,692	46,713	47,733	48,754	49,774	50,795	51,815	52,836	53,857	54,877	55,898	56,918	57,939	58,959	59,980	61,000
	TOTAL WATER DEMAND	8,342	8,464	8,582	8,696	8,805	8,910	9,010	9,107	9,199	9,286	9,370	9,449	9,524	9,594	9,661	9,723	9,780	9,834	9,883	9,927	9,968
	Conservation GPCD	183	182	180	178	176	174	172	170	168	167	165	163	161	159	157	155	153	152	150	148	146
	Water Sources (AF):																					
	GW - Designation	8,342	8,464	8,582	8,696	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	6,674	6,771	6,866	6,956	7,044	7,128	7,208	7,285	7,359	7,429	7,496	7,559	7,619	7,676	7,729	7,778	7,824	7,867	7,906	7,942	7,974
	GW Account Use	--	0	0	0	1,761	1,782	1,802	1,821	1,840	1,857	1,874	1,890	1,905	1,919	1,932	1,945	1,956	1,967	1,977	1,985	1,994
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account (AF):																					
	B.O.Y. Balance	--	0	125,131	125,131	125,131	123,718	122,288	120,842	119,381	117,906	116,417	114,914	113,399	111,872	110,334	108,786	107,228	105,661	104,085	102,502	100,912
	Incidental Recharge (+)	--	0	0	0	348	352	356	360	364	368	371	375	378	381	384	386	389	391	393	395	397
	GW Allocation (+)	--	125,131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	1,761	1,782	1,802	1,821	1,840	1,857	1,874	1,890	1,905	1,919	1,932	1,945	1,956	1,967	1,977	1,985	1,994
	E.O.Y. Balance	0	125,131	125,131	125,131	123,718	122,288	120,842	119,381	117,906	116,417	114,914	113,399	111,872	110,334	108,786	107,228	105,661	104,085	102,502	100,912	99,315

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Canada Hills																					
	TOTAL POPULATION	10,529	11,129	11,730	12,330	12,931	13,531	14,132	14,732	15,333	15,933	16,534	17,134	17,735	18,335	18,936	19,536	20,137	20,737	21,338	21,938	22,539
	TOTAL WATER DEMAND	3,415	3,533	3,643	3,745	3,839	3,924	4,002	4,071	4,132	4,184	4,229	4,265	4,293	4,312	4,324	4,327	4,322	4,308	4,287	4,257	4,219
	Conservation OPCD	290	283	277	271	265	259	253	247	241	234	228	222	216	210	204	198	192	185	179	173	167
	Water Sources (AF):																					
	GW - Designation	3,415	3,533	3,643	3,745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652	1,652
	GW Account Use	--	0	0	0	2,187	2,272	2,350	2,419	2,480	2,532	2,577	2,613	2,641	2,660	2,672	2,675	2,670	2,656	2,635	2,605	2,567
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account (AF):																					
	B.O.Y. Balance	--	0	51,219	51,219	51,219	49,181	47,063	44,870	42,611	40,294	37,927	35,518	33,075	30,605	28,116	25,617	23,115	20,619	18,135	15,673	13,239
	Incidental Recharge (+)	--	0	0	0	150	154	157	160	163	165	167	169	171	172	172	173	173	173	172	171	170
	GW Allocation (+)	--	51,219	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	2,187	2,272	2,350	2,419	2,480	2,532	2,577	2,613	2,641	2,660	2,672	2,675	2,670	2,656	2,635	2,605	2,567
	E.O.Y. Balance	0	51,219	51,219	51,219	49,181	47,063	44,870	42,611	40,294	37,927	35,518	33,075	30,605	28,116	25,617	23,115	20,619	18,135	15,673	13,239	10,842

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
3	Rancho Vistoso																					
	TOTAL POPULATION	3,762	4,280	4,798	5,315	5,833	6,350	6,868	7,386	7,903	8,421	8,938	9,456	9,974	10,491	11,009	11,526	12,044	12,562	13,079	13,597	14,114
	TOTAL WATER DEMAND	927	1,036	1,139	1,238	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,922	1,974	2,022	2,066	2,105	2,139	2,168	2,193	2,213
	Conservation GPCD	220	216	212	208	204	200	196	192	188	184	180	176	172	168	164	160	156	152	148	144	140
	<u>Water Sources (AF):</u>																					
	GW - Designation	927	1,036	1,139	1,238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	0	0	0	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,556	77	79	81	83	84	86	87	88
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	366	1,897	1,943	1,985	2,022	2,055	2,083	2,106	2,126
	<u>GW Account (AF):</u>																					
	B.O.Y. Balance	--	0	13,908	13,908	13,908	12,624	11,255	9,804	8,276	6,675	5,006	3,273	1,481	0	0	0	0	0	0	0	0
	Incidental Recharge (+)	--	0	0	0	50	53	57	60	64	67	69	72	75	77	79	81	83	84	86	87	88
	GW Allocation (+)	--	13,908	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Alloc Used (-)	--	0	0	0	1,333	1,423	1,508	1,588	1,664	1,736	1,802	1,864	1,556	77	79	81	83	84	86	87	88
	E.O.Y. Balance	0	13,908	13,908	13,908	12,624	11,255	9,804	8,276	6,675	5,006	3,273	1,481	0	0	0	0	0	0	0	0	0

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4 WATER COMPANY WITH CAP (Flowing Wells, Community, Green Valley, New Pueblo)																						
	TOTAL POPULATION	30,149	30,743	31,368	31,993	32,619	33,244	33,869	34,510	35,152	35,793	36,435	37,076	37,768	38,460	39,152	39,844	40,536	41,268	42,000	42,731	43,463
	TOTAL WATER DEMAND	6,167	6,095	6,170	6,243	6,314	6,383	6,449	6,541	6,631	6,720	6,807	6,894	6,989	7,082	7,175	7,266	7,356	7,461	7,565	7,668	7,770
	Conservation GPCD	183	177	176	174	173	171	170	169	168	168	167	166	165	164	164	163	162	161	161	160	160
Water Sources (AF):																						
	GW - No Designation	6,167	6,095	6,170	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243	6,243
	CAP	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591	7,591
	GW Account Use	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AF):																						
	B.O.Y. Balance	--	0	15,346	16,694	18,270	19,831	21,378	22,195	23,004	23,784	24,564	25,344	26,124	26,904	27,608	28,311	29,015	29,367	29,719	30,073	30,427
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	15,346	1,348	1,576	1,561	1,546	817	809	780	780	780	780	780	704	704	704	352	352	354	354	354
	GW Alloc Used (-)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	E.O.Y. Balance	0	15,346	16,694	18,270	19,831	21,378	22,195	23,004	23,784	24,564	25,344	26,124	26,904	27,608	28,311	29,015	29,367	29,719	30,073	30,427	30,780

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
5 PWC w/o RENEWABLE (Avra, Parners, Hub, Lakewood, Las Quintas Serenas)																						
TOTAL POPULATION		10,772	11,095	11,429	11,764	12,098	12,433	12,767	13,110	13,453	13,795	14,138	14,481	14,847	15,213	15,578	15,944	16,310	16,690	17,069	17,449	17,828
TOTAL WATER DEMAND		1,815	1,777	1,821	1,863	1,905	1,947	1,988	2,035	2,083	2,129	2,176	2,222	2,272	2,321	2,370	2,418	2,466	2,520	2,574	2,627	2,680
Conservation GPCD		150	143	142	141	141	140	139	139	138	138	137	137	137	136	136	135	135	135	135	134	134
Water Sources (AP):																						
GW - No Designation		1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815	1,815
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	6	48	91	132	173	221	268	315	361	407	457	506	555	603	652	705	759	812	865
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AP):																						
B.O.Y. Balance		--	0	9,052	9,769	10,525	11,237	11,905	12,157	12,360	12,515	12,623	12,684	12,700	12,665	12,563	12,411	12,211	11,761	11,258	10,692	10,072
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	9,052	723	805	802	800	425	424	423	423	423	423	423	403	403	403	202	202	193	193	193
GW Alloc Used (-)		--	0	6	48	91	132	173	221	268	315	361	407	457	506	555	603	652	705	759	812	865
E.O.Y. Balance			9,052	9,769	10,525	11,237	11,905	12,157	12,360	12,515	12,623	12,684	12,700	12,665	12,563	12,411	12,211	11,761	11,258	10,692	10,072	9,399

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
6 NEW DEVELOPMENT with CAP (Del Lago & Spanish Trail)																						
TOTAL POPULATION		4,103	4,825	6,394	7,963	9,531	11,100	12,669	13,434	14,199	14,964	15,729	16,494	17,296	18,097	18,899	19,700	20,502	21,335	22,168	23,001	23,834
TOTAL WATER DEMAND		746	859	1,099	1,318	1,518	1,698	1,859	1,962	2,064	2,166	2,266	2,365	2,476	2,587	2,697	2,807	2,917	3,030	3,144	3,257	3,369
Conservation GPCD		162	159	153	148	142	137	131	130	130	129	129	128	128	128	127	127	127	127	127	126	126
<u>Water Sources (AF):</u>																						
GW - No Designation		746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746
CAP		3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823	3,823
GW Account Use		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
B.O.Y. Balance		--	0	30,909	32,553	34,259	35,960	37,654	38,555	39,453	40,348	41,244	42,139	43,034	43,930	44,855	45,781	46,707	47,170	47,632	48,055	48,477
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	30,909	1,644	1,706	1,700	1,695	901	898	895	895	895	895	895	926	926	926	463	463	422	422	422
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E.O.Y. Balance			30,909	32,553	34,259	35,960	37,654	38,555	39,453	40,348	41,244	42,139	43,034	43,930	44,855	45,781	46,707	47,170	47,632	48,055	48,477	48,900

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
7 LAGO DEL ORO																						
TOTAL POPULATION		2,362	2,431	2,503	2,574	2,646	2,717	2,789	2,862	2,935	3,009	3,082	3,155	3,233	3,311	3,389	3,467	3,545	3,627	3,709	3,790	3,872
TOTAL WATER DEMAND		671	667	666	664	660	656	650	660	671	681	690	700	711	721	731	741	751	762	774	785	795
Conservation GPCD		254	245	238	230	223	215	208	206	204	202	200	198	196	194	193	191	189	188	186	185	183
Water Sources (AP):																						
GW - No Designation		671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671	671
CAP		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account Use		--	0	0	0	0	0	0	0	0	9	19	28	39	49	60	69	79	91	102	113	124
GRD Demand		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Account (AP):																						
B.O.Y. Balance		--	0	1,042	1,185	1,359	1,530	1,697	1,784	1,869	1,963	2,048	2,123	2,189	2,245	2,279	2,303	2,317	2,280	2,231	2,170	2,098
Incidental Recharge (+)		--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GW Allocation (+)		--	1,042	143	174	171	167	87	85	94	94	94	94	94	84	84	84	42	42	41	41	41
GW Alloc Used (-)		--	0	0	0	0	0	0	0	0	9	19	28	39	49	60	69	79	91	102	113	124
E.O.Y. Balance			1,042	1,185	1,359	1,530	1,697	1,784	1,869	1,963	2,048	2,123	2,189	2,245	2,279	2,303	2,317	2,280	2,231	2,170	2,098	2,015

TUCSON AMA - GRD DEMANDS AND GROUNDWATER ACCOUNT BALANCES
Scenario 2 - Groundwater Credits Used Before GRD

COST AREA	PLANNING AREA	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
• SMALL PROVIDERS																						
	TOTAL POPULATION	14,135	14,584	15,034	15,483	15,933	16,382	16,831	17,281	17,730	18,180	18,629	19,079	19,528	19,977	20,427	20,876	21,326	21,775	22,225	22,674	23,124
	TOTAL WATER DEMAND	2,655	2,738	2,821	2,904	2,987	3,070	3,152	3,235	3,317	3,400	3,482	3,565	3,647	3,729	3,811	3,893	3,975	4,057	4,139	4,220	4,302
	ASSUMED GPCD	168	168	168	167	167	167	167	167	167	167	167	167	167	167	167	166	166	166	166	166	166
<u>Water Sources (AF):</u>																						
	GW - No Designation	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655	2,655
	CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Account Use	--	83	166	249	332	415	497	580	663	745	827	910	992	1,074	1,156	1,238	1,320	1,402	1,484	1,565	1,647
	GRD Demand	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>GW Account (AF):</u>																						
	B.O.Y. Balance	--	0	18,490	19,552	20,530	21,424	22,235	22,390	22,462	22,392	22,240	22,006	21,689	21,290	20,809	20,246	19,601	18,577	17,472	16,419	15,285
	Incidental Recharge (+)	--	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GW Allocation (+)	--	18,573	1,229	1,227	1,226	1,225	653	652	593	593	593	593	593	593	593	593	297	297	431	431	431
	GW Alloc Used (-)	--	83	166	249	332	415	497	580	663	745	827	910	992	1,074	1,156	1,238	1,320	1,402	1,484	1,565	1,647
	E.O.Y. Balance	--	18,490	19,552	20,530	21,424	22,235	22,390	22,462	22,392	22,240	22,006	21,689	21,290	20,809	20,246	19,601	18,577	17,472	16,419	15,285	14,069