



Water Infrastructure Finance Authority of Arizona

2000 Clean Water Needs Survey State of Arizona

**Executive Summary
November 2001**



Water Infrastructure Finance Authority of Arizona
Jane Dee Hull, Governor

To: Honorable Members of the Arizona Senate and House of Representatives

From: Greg Swartz, Executive Director, Water Infrastructure Finance Authority

Date: November 6, 2001

Please find enclosed the following documents for your review

- Draft Intended Use Plan for Arizona's Clean Water Revolving Fund (CWRF)
- Draft Intended Use Plan for Arizona's Drinking Water Revolving Fund (DWRF)
- Executive Summary from Arizona's 2000 Clean Water Needs Survey

Draft Intended Use Plans (IUPs) – The Draft IUPs for Arizona's CWRF and DWRF summarize intended uses of funding for wastewater, water reclamation and drinking water projects for the 2002 funding cycle (January 1 to December 31, 2002). Communities throughout Arizona submitted 132 applications to the Water Infrastructure Finance Authority (WIFA) requesting \$631 Million in financial assistance for the 2002 funding cycle.

Executive Summary from Arizona's Clean Water Needs Survey (CWNS) – In response to Congressional requirements, every four years WIFA surveys and reports on Arizona's wastewater, water reclamation, storm water and related water quality infrastructure needs. As detailed in the Executive Summary, WIFA identified \$6.3 Billion in wastewater and related infrastructure needs. WIFA estimates that Arizona's \$6.3 Billion in wastewater infrastructure needs will rank 12th amongst all states.

State Match Appropriations – WIFA's past and future success to finance water infrastructure depends upon the continued appropriation of General Funds as the 20% state match to Congressional CWRF and DWRF appropriations. State match appropriations to Arizona's CWRF and DWRF are never "expended" – instead they are permanent contributions to Arizona's CWRF and DWRF revolving in perpetuity as loans to construct water infrastructure in communities throughout Arizona.

WIFA understands the need to reduce discretionary expenditures and appropriations. However, WIFA can demonstrate that reducing CWRF and DWRF appropriations can trigger further economic contraction in Arizona. Reducing CWRF and DWRF appropriations will severely restrict and even handicap infrastructure investments at a time when Arizona should, instead, stimulate its state and local economies.

If you need additional information about WIFA or the consequences of reducing CWRF and DWRF appropriations, please contact Greg Swartz at (602) 230-9770, extension 202.

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*Arizona's Water
and Wastewater
Funding Source*



What is the Clean Water Needs Survey?

Every four years, the Water Infrastructure Finance Authority (WIFA) conducts the Clean Water Needs Survey (CWNS) to summarize the estimated capital costs for water quality projects throughout Arizona.

What is the Clean Water Needs Survey?

WIFA collects cost data on the planning, design and construction of wastewater treatment systems, collection systems, storm water facilities and non-point source water pollution projects.

How is the Clean Water Needs Survey used?

The CWNS will serve as the basis for Congressional allocation of funds for Clean Water Revolving Funds (CWRF) throughout the United States.

How is the Clean Water Needs Survey used?

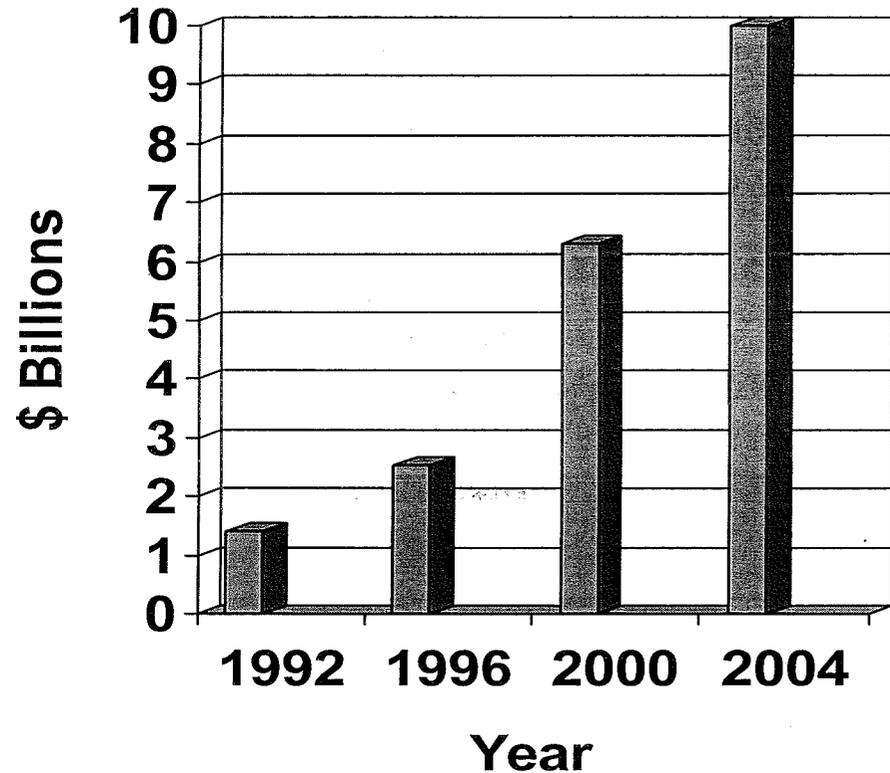
- Arizona's congressional delegation can use the results of the 2000 CWNS to develop a new formula to allocate funding for the CWRP.
- If Congress updates the CWRP allocation formula based on the most recent CWNS, Arizona's allocation would triple.

Arizona Facts

Clean Water Revolving Fund				
National Allocations				
Arizona Rankings based on 1996 CWNS				
		AZ Value	AZ Ranking	National Avg
% of Allocation		0.68%	38	n/a
% of Total Population		1.72%	21	n/a
% of Total Needs		1.73%	15	n/a
Allocation per Capita	\$	1.88	53	\$ 4.72
Allocation per \$1 of Need	\$	0.0040	53	\$ 0.0102
Allocation % Divided by Need %		39%	53	n/a

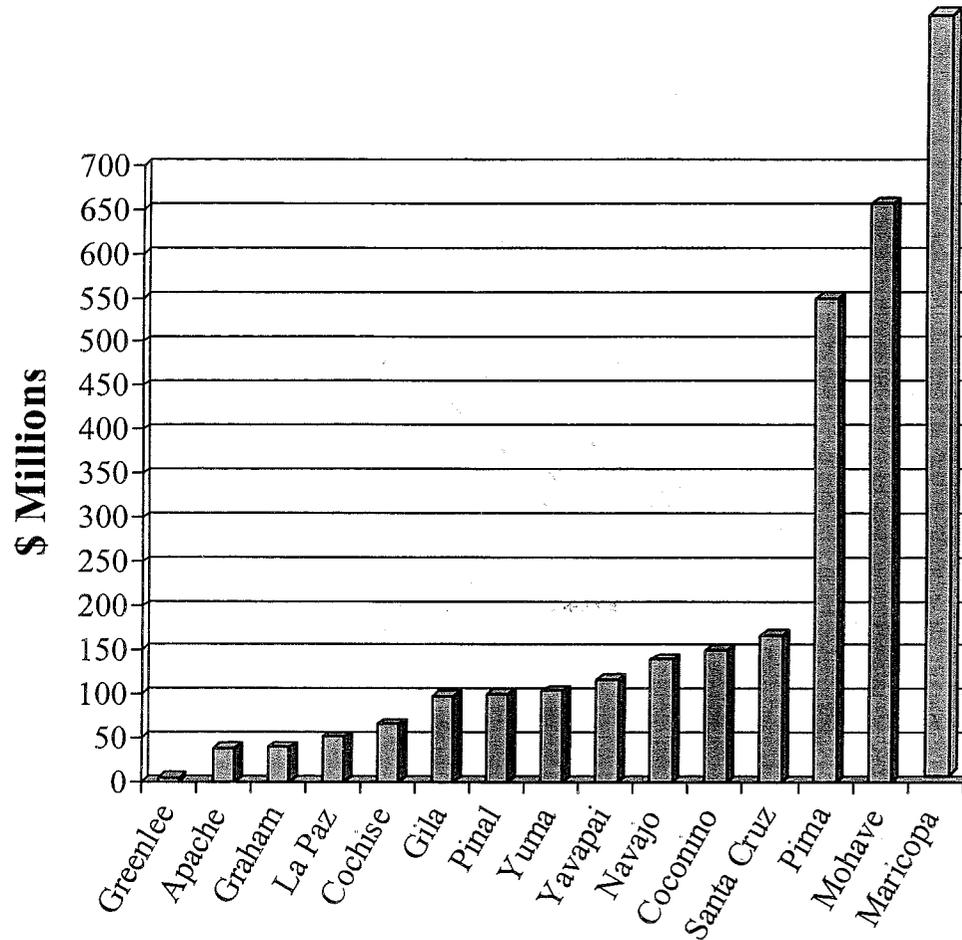
Total Wastewater Infrastructure Needs in Arizona

- 1992
 - \$1.42 Billion
- 1996
 - \$2.52 Billion
- 2000
 - \$6.3 Billion
- 2004
 - \$10 Billion estimated



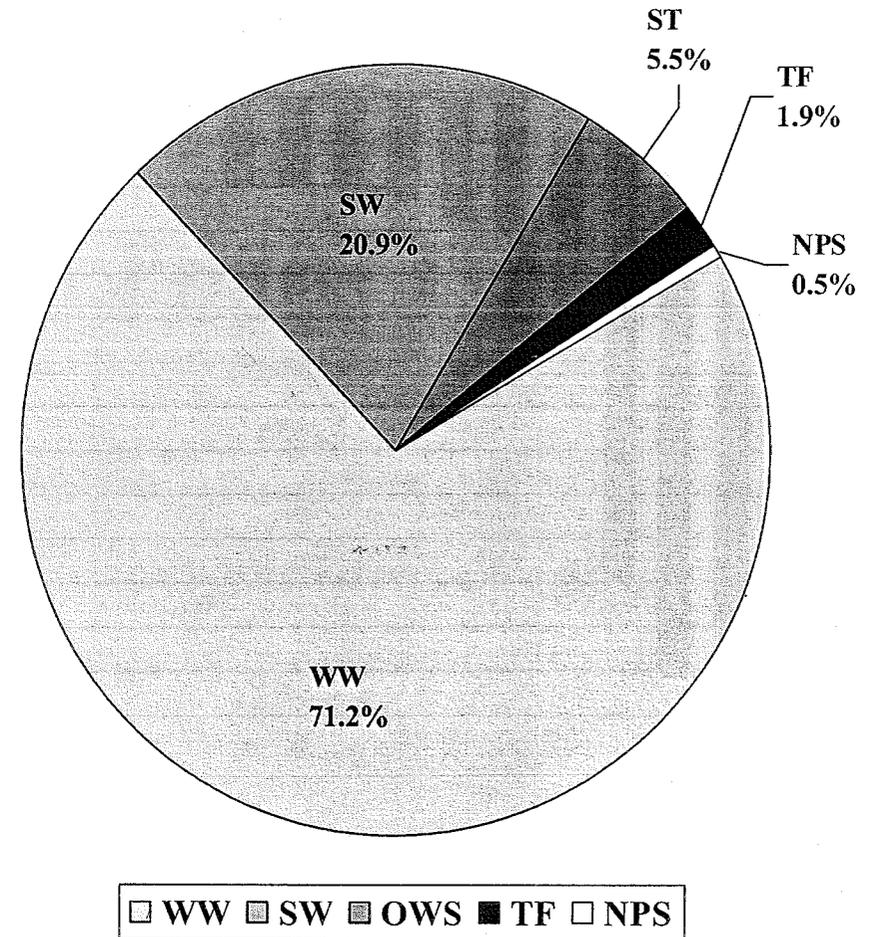
2000 Total Needs by County

- Apache - \$38,100,000
- Cochise - \$66,300,000
- Coconino - \$150,900,000
- Gila - \$98,500,000
- Graham - \$39,700,000
- Greenlee - \$5,400,000
- La Paz - \$51,700,000
- Maricopa - \$4,046,800,000
- Mohave - \$657,000,000
- Navajo - \$139,500,000
- Pima - \$549,200,000
- Pinal - \$101,100,000
- Santa Cruz - \$166,600,000
- Yavapai - \$118,400,000
- Yuma - \$104,100,000



2000 Total Needs by Project Type

- Wastewater Systems
 - \$4.49 Billion
- Septic Tank “communities” converting to Centralized Systems
 - \$0.35 Billion
- Storm Water Facilities
 - \$1.32 Billion
- Non-Point Source Projects
 - \$0.03 Billion
- Tribal Facilities
 - \$0.12 Billion



Top 10 Communities – Total Needs

1. City of Phoenix	\$2,023,000,000
2. Maricopa County	\$ 549,000,000
3. Lake Havasu City	\$ 465,000,000
4. Pima County	\$ 436,000,000
5. City of Mesa	\$ 244,000,000
6. City of Peoria	\$ 234,000,000
7. City of Scottsdale	\$ 210,000,000
8. City of Goodyear	\$ 203,000,000
9. City of Nogales	\$ 161,000,000
10. City of Glendale	\$ 138,000,000

Top 10 Communities – Needs/Capita

1. City of Tolleson	\$20,909
2. Lake Havasu City	\$11,088
3. City of Goodyear	\$10,734
4. City of Nogales	\$ 7,711
5. Heber/Overgaard	\$ 7,500
6. Pinetop/Lakeside	\$ 4,746
7. Town of Miami	\$ 4,649
8. City of Bisbee	\$ 4,433
9. Town of Wellton	\$ 3,827
10. City of Globe	\$ 3,607

APPENDIX

Individual Facility Needs by County

2000 CWNS - APACHE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Needs (millions)
Apache	Alpine WWTF	WW	1.9
Apache	Eagar WWTP	WW	9.6
Apache	Greer WWTF	WW	0.3
Apache	Springerville WWTF	WW	0.5
Apache	St. Johns WWTP	WW	2.4
Apache	Alpine	OWS	1.2
Apache	Concho	OWS	1.2
Apache	Sanders	OWS	1.2
Apache	Coyote Creek Eros	NPS	0.2
Apache	ULCR - Big Ditch Water Loss/Water Quality Improvement Project	NPS	0.6
Apache	Black Mesa Sewer System	Tribal	0.5
Apache	Chinle WWTF	Tribal	0.8
Apache	Copper Mine Septics	Tribal	0.6
Apache	Cornfields Septics	Tribal	0.5
Apache	Cottonwood Sewer System	Tribal	0.7
Apache	Cove Septics	Tribal	0.1
Apache	Cross Canyon Cisterns	Tribal	0.6
Apache	Dinnehotso Sewer System	Tribal	1.2
Apache	Ft Defiance WWTF	Tribal	0.9
Apache	Ganado Wood Springs Phase II	Tribal	0.3
Apache	Ganado WWTF	Tribal	0.1
Apache	Houck Septics	Tribal	0.8
Apache	Kinlichee Septics	Tribal	0.3
Apache	Klagetoh Sewer System	Tribal	0.8
Apache	Lukachukai WWTF	Tribal	1.7
Apache	Lupton	Tribal	0.5
Apache	Many Farms WWTF	Tribal	0.7
Apache	Nazlini WWTF	Tribal	0.3
Apache	Red Rock Sewer System	Tribal	0.2
Apache	Rock Point	Tribal	1.0
Apache	Rough Rock WWTF	Tribal	0.6
Apache	Round Rock Septic Tanks	Tribal	0.5

2000 CWNS - APACHE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Needs (millions)
Apache	Sawmill Septics	Tribal	0.5
Apache	Spider Rock Chinle	Tribal	1.4
Apache	St Michaels Sewer System	Tribal	0.6
Apache	Steamboat Septics	Tribal	0.2
Apache	Sweetwater Sewer System	Tribal	0.2
Apache	Tee Nos Pos WWTF	Tribal	0.3
Apache	Tsaile WWTF	Tribal	0.4
Apache	Wheatfields Septics	Tribal	0.4
Apache	Wide Ruins Sewer System	Tribal	1.1
Apache	Window Rock WWTF	Tribal	0.2
TOTAL NEEDS (MILLIONS \$\$) - APACHE COUNTY			38.1

Total Need by Facility Type (Millions \$\$)

WW = 14.7
 OWS = 3.6
 SW = 0
 NPS = 0.8
 Tribal = 19

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - COCHISE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Cochise	Benson	WW	9.8
Cochise	Bisbee - San Jose WWTF	WW	26.2
Cochise	Bisbee - Tin Town	WW	0.4
Cochise	Bisbee Sacateas	WW	0.4
Cochise	Douglas WWTF	WW	13.8
Cochise	Huachuca City	WW	4.3
Cochise	Naco San. Dist	WW	0
Cochise	Willcox WWTF	WW	8
Cochise	Elfrida WWTF	OWS	2.5
Cochise	Nickville Septic System	OWS	0.7
Cochise	Cadillac Wash Rest.	NPS	0.2
TOTAL NEEDS (MILLIONS \$\$) - COCHISE COUNTY			66.3

Total Need by Facility Type (Millions \$\$)

WW = 62.9
 OWS = 3.2
 SW = 0
 NPS = 0.2
 Tribal = 0

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - COCONINO COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Coconino	Big Park WWTP	WW	0
Coconino	Flagstaff Rio de Flag WWRP	WW	2
Coconino	Flagstaff Wildcat Hill WWTF	WW	25.6
Coconino	Fredonia WWTF	WW	1
Coconino	Mund's Park - Pinewood S.D.	WW	9.2
Coconino	Page	WW	0.9
Coconino	Sedona WWTP	WW	24.9
Coconino	Sierra Vista - Village Meadows	WW	1.1
Coconino	Sierra Vista - WWTF	WW	23.8
Coconino	St. David WWTF	WW	2.6
Coconino	Tombstone	WW	3.2
Coconino	Williams WWTF	WW	4.7
Coconino	Kachina Village	OWS	0
Coconino	Marble Canyon Septic System	OWS	0.3
Coconino	Mormon Lake	OWS	0
Coconino	Mountaire Septic	OWS	0
Coconino	Flagstaff	SW	23.1
Coconino	Regulated Agricultural Activity Assistance Program	NPS	2
Coconino	Verde River Headwater Riparian Restoration Demonstration Project	NPS	0.1
Coconino	Bird Springs Septics	Tribal	0.3
Coconino	Bodaway Septics	Tribal	11
Coconino	Cameron WWTF	Tribal	0.4
Coconino	Coalmine Mesa Septics	Tribal	0.3
Coconino	Cow Springs Septics	Tribal	0.1
Coconino	Gray Mountain Septics	Tribal	0.3
Coconino	GRIC - D4 lagoon	Tribal	2
Coconino	Hopi/Navajo HPL	Tribal	4.3
Coconino	Kaibab Lagoon	Tribal	0
Coconino	Kaibeto Septics	Tribal	1.1
Coconino	Le Chee Sewer System	Tribal	0.2
Coconino	Lees Ferry Septics	Tribal	0.1
Coconino	Leupp WWTF	Tribal	0.6

2000 CWNS - COCONINO COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Coconino	Moencopi WW System	Tribal	2.8
Coconino	Navajo Mountain Septics	Tribal	0.3
Coconino	Red Lake Septics	Tribal	0.1
Coconino	Supai Village Sewer System	Tribal	0.3
Coconino	Tolani - Red Lake Sewer System	Tribal	0.7
Coconino	Tuba City WWTF	Tribal	0.9
Coconino	White Mesa Septics	Tribal	0.6
TOTAL NEEDS (MILLIONS \$\$) - COCONINO COUNTY			150.9

Total Need by Facility Type (Millions \$\$)

WW = 99
 OWS = 0.3
 SW = 23.1
 NPS = 2.1
 Tribal = 26.4

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems

OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system

SW - existing and proposed storm water facilities

NPS - traditional non-point source projects

Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - GILA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Gila	Globe WWTF	WW	8.3
Gila	Hayden Collection System	WW	0.5
Gila	Miami WWTF	WW	2.6
Gila	Payson - Northern Gila Sanitary District	WW	39.9
Gila	Pinal WWTF/Claypool	WW	4.8
Gila	Winkelman WWTF	WW	0
Gila	Globe - Central Heights	OWS	0
Gila	Globe - Holgate/Central Heights	OWS	2
Gila	Globe - Ice House Canyon	OWS	2.8
Gila	Globe - Little Acres	OWS	2.1
Gila	Globe - Midland City	OWS	4.7
Gila	Globe - Six Shooter Canyon	OWS	3
Gila	Globe - Wheatfields	OWS	4.2
Gila	Pine WWTF	OWS	13
Gila	Strawberry WWTF	OWS	6.5
Gila	Young Septics	OWS	0.8
Gila	Sludge Pasteurization	NPS	0.9
Gila	GRIC - D5 Sewer System	Tribal	0.4
Gila	Peridot Sewer System	Tribal	0.9
Gila	San Carlos Regional Sewer System	Tribal	1.1
TOTAL NEEDS (MILLIONS \$\$) - GILA COUNTY			98.5

Total Need by Facility Type (Millions \$\$)	
WW	= 56.1
OWS	= 39.1
SW	= 0
NPS	= 0.9
Tribal	= 2.4

2000 CWNS - GILA COUNTY NEEDS SUMMARY

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems

OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system

SW - existing and proposed storm water facilities

NPS - traditional non-point source projects

Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - GRAHAM COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Graham	Pima	WW	2.3
Graham	Safford	WW	28
Graham	Thatcher	WW	1
Graham	Central Septics	OWS	1.2
Graham	Glenbar Septics	OWS	0.6
Graham	Hollywood Septics	OWS	1
Graham	Lone Star Septics	OWS	0.9
Graham	San Jose Septics	OWS	1.2
Graham	Solomon WWTF	OWS	1.5
Graham	York Valley WWTF	OWS	1.8
Graham	Cottonwash	NPS	0.1
Graham	NPS Eagle Creek/Gila River	NPS	0.1
TOTAL NEEDS (MILLIONS \$\$) - GRAHAM COUNTY			39.7

Total Need by Facility Type (Millions \$\$)

WW = 31.3
 OWS = 8.2
 SW = 0
 NPS = 0.2
 Tribal = 0

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - GREENLEE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Greenlee	Clifton WWTP	WW	0.2
Greenlee	Duncan	WW	2
Greenlee	Loma Linda WWTF	OWS	1.4
Greenlee	Sheldon Septics	OWS	0.6
Greenlee	BMPS-Bacterial Cont.	NPS	1.2
TOTAL NEEDS (MILLIONS \$\$) - GREENLEE COUNTY			5.4

Total Need by Facility Type (Millions \$\$)

WW = 2.2
 OWS = 2
 SW = 0
 NPS = 1.2
 Tribal = 0

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - LA PAZ COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
La Paz	Parker - Colorado River joint venture	WW	6
La Paz	Quartzsite WWTF	WW	6
La Paz	Salome WWTF	WW	1.3
La Paz	Bouse WWTF	OWS	4
La Paz	Buckskin WWTF	OWS	10.5
La Paz	CRRSCO - Cibola	OWS	5.1
La Paz	CRRSCO - Ehrenberg	OWS	9.6
La Paz	Vicksburg Septic Tanks	OWS	1.2
La Paz	Wenden Septics	OWS	1.4
La Paz	CRIT Failed Septics	Tribal	0.2
La Paz	CRIT Parker	Tribal	6
La Paz	CRIT Poston	Tribal	0.4
TOTAL NEEDS (MILLIONS \$\$) - LA PAZ COUNTY			51.7

Total Need by Facility Type (Millions \$\$)

WW = 13.3
 OWS = 31.8
 SW = 0
 NPS = 0
 Tribal = 6.6

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - MARICOPA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Maricopa	Avondale	WW	22
Maricopa	Buckeye WWTF	WW	0.4
Maricopa	Cave Creek	WW	3
Maricopa	Chandler - Airport Reclamation Facility	WW	39.2
Maricopa	Chandler - Lone Butte WWTP	WW	0
Maricopa	Chandler - Ocotillo Reclamation Plant	WW	3.4
Maricopa	Chandler Collection System	WW	9.4
Maricopa	El Mirage	WW	18
Maricopa	Fountain Hills WWTP	WW	6.9
Maricopa	Gila Bend WWTF	WW	3.2
Maricopa	Gilbert Collection System	WW	19.2
Maricopa	Gilbert-Neely WWTP	WW	36.9
Maricopa	Glendale - Arrowhead WWRF	WW	6.6
Maricopa	Glendale - West Glendale WWRF	WW	43.5
Maricopa	Glendale Collection System	WW	47.5
Maricopa	Goodyear - Corgett WRF	WW	29
Maricopa	Goodyear - Goodyear WWTP	WW	138.7
Maricopa	Goodyear - Lum Basin WRF	WW	23.9
Maricopa	Goodyear - Waterman Basin WRF	WW	11.4
Maricopa	Mesa Collection System	WW	53.6
Maricopa	Mesa Northwest WWRP	WW	23.8
Maricopa	Mesa South WWRP	WW	110.7
Maricopa	Mesa Southeast WWRP	WW	0
Maricopa	Paradise Valley Collection System	WW	3.6
Maricopa	Peoria - Beardsley WWTP	WW	113.7
Maricopa	Peoria - Northern Ave. SRP	WW	32.2
Maricopa	Peoria - Twin Buttes WRP	WW	72.3
Maricopa	Phoenix - 23rd Avenue WWTP	WW	30.3
Maricopa	Phoenix - 91st Ave WWTP	WW	1782
Maricopa	Phoenix - Cave Creek WWTP	WW	5.7
Maricopa	Phoenix - Collection System	WW	93.1
Maricopa	Phoenix - North Gateway Reclamation Plant	WW	40.3

2000 CWNS - MARICOPA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Maricopa	Scottsdale - Gainey Ranch WRF	WW	2.4
Maricopa	Scottsdale Collection System	WW	25.5
Maricopa	Scottsdale Water Campus WWTF	WW	72.7
Maricopa	Surprise - WRF	WW	31.7
Maricopa	Tempe - Guadalupe Collection System	WW	0
Maricopa	Tempe - Kyrene WWTP	WW	24.4
Maricopa	Tempe Collection System	WW	33.3
Maricopa	Tolleson WWTF	WW	103.5
Maricopa	Wickenburg WWTP	WW	4.4
Maricopa	Cashion Lagoon	OWS	2.5
Maricopa	Chandler Heights	OWS	1.2
Maricopa	Higley Septics	OWS	0.9
Maricopa	Laveen Lagoon	OWS	2
Maricopa	Perryville Septics	OWS	1
Maricopa	Pinicle Septics	OWS	1.6
Maricopa	Rainbow Valley	OWS	1.4
Maricopa	Chandler	SW	14
Maricopa	Gilbert	SW	9.3
Maricopa	Glendale	SW	40
Maricopa	Maricopa County Flood Control	SW	549.2
Maricopa	Mesa	SW	55.7
Maricopa	Paradise Valley	SW	9.2
Maricopa	Peoria	SW	15.8
Maricopa	Phoenix	SW	71.8
Maricopa	Scottsdale	SW	108.8
Maricopa	Tempe	SW	1.7
Maricopa	Active Sludge Pasteurization	NPS	0.6
Maricopa	Aquaculture Irrigation System	NPS	0.1
Maricopa	Lower Salt River Pollution Prevention, Education & Monitoring	NPS	2.1
Maricopa	New Magma Watershed Project	NPS	10
Maricopa	Nitrate Leaching Prevention	NPS	0.4
Maricopa	Tonto Creek Riparian Demo.	NPS	0.3

2000 CWNS - MARICOPA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Maricopa	Ft McDowell Sewer System	Tribal	24
Maricopa	Gila River Reservation Wide Septics	Tribal	0
Maricopa	Guadalupe	Tribal	0
Maricopa	Salt River Community Collection System	Tribal	1.8
TOTAL NEEDS (MILLIONS \$\$) - MARICOPA COUNTY			4046.8

<u>Total Need by Facility Type (Millions \$\$)</u>	
WW =	3121.4
OWS =	10.6
SW =	875.5
NPS =	13.5
Tribal =	25.8

<u>Facility Type Descriptions</u>
WW - existing centralized wastewater treatment facilities including collection systems
OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
SW - existing and proposed storm water facilities
NPS - traditional non-point source projects
Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - MOHAVE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Mohave	Bullhead City - Section 10 WWTP	WW	10.9
Mohave	Bullhead City - Section 18 WWTP	WW	37.9
Mohave	Bullhead City - Sunridge WWTP	WW	3.9
Mohave	Bullhead City - Terra Grande WWTP	WW	1.9
Mohave	Colorado City/ Hilldale WWTF	WW	4.6
Mohave	Kingman - Downtown WWTP	WW	1.5
Mohave	Kingman - Hilltop WWTP	WW	0.5
Mohave	Lake Havasu City - Collection System	WW	318.6
Mohave	Lake Havasu City - Mulberry Ave STP	WW	4.1
Mohave	Lake Havasu City - North Regional WWTP	WW	75.1
Mohave	Lake Havasu City - Pittsburgh Island WWTP	WW	0
Mohave	Beaver Dam/Littlefield	OWS	5.8
Mohave	Butler Septics	OWS	2
Mohave	Chloride Septic Systems	OWS	0.9
Mohave	CRRSCO - Crystal Beach	OWS	3
Mohave	CRRSCO - Desert Hills	OWS	11
Mohave	CRRSCO - Golden Shores	OWS	5.5
Mohave	CRRSCO - Mohave Valley	OWS	70.1
Mohave	CRRSCO - Topock	OWS	5.5
Mohave	Dolan Springs Septics	OWS	1.5
Mohave	Hackberry Septic System	OWS	1
Mohave	Havasu Highlands STP	OWS	2.2
Mohave	Littlfield Septic System	OWS	0.8
Mohave	Meadview Septic Tanks	OWS	1.1
Mohave	Oatman Septic Systems	OWS	0.1
Mohave	Wikieup Septic Tanks	OWS	0.8
Mohave	Yucca Septic System	OWS	0.8
Mohave	Bullhead City	SW	16.9
Mohave	Lake Havasu City	SW	66.8
Mohave	Greater Kingman Area Wildcat Dump Cleanup	NPS	0.1
Mohave	CRIT - Headstart Area Sewer System	Tribal	0.3
Mohave	CRIT - Mo Chem Sewer System	Tribal	0.6

2000 CWNS - MOHAVE COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Mohave	Ft Mohave Treatment Wetland	Tribal	0.5
Mohave	Peach Springs Sewer System	Tribal	0.8
TOTAL NEEDS (MILLIONS \$\$) - MOHAVE COUNTY			657.1

Total Need by Facility Type (Millions \$\$)

WW = 459
 OWS = 112.1
 SW = 83.7
 NPS = 0.1
 Tribal = 2.2

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - NAVAJO COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Navajo	Holbrook WWTF	WW	9.2
Navajo	Joseph City WWTF	WW	0.1
Navajo	Navajo County Government Complex	WW	0.1
Navajo	Pinetop/Lakeside	WW	17
Navajo	Show Low	WW	25.9
Navajo	Snowflake WWTF	WW	2.7
Navajo	Taylor WWTF	WW	0.6
Navajo	Winslow	WW	0.3
Navajo	Clay Springs	OWS	1.2
Navajo	Heber/Overgaard	OWS	44.9
Navajo	Linden Septic Tanks	OWS	1.5
Navajo	Pinedale Septic Tanks	OWS	1
Navajo	Shumway Septic Tanks	OWS	1
Navajo	White Mountain Lake	OWS	1.5
Navajo	Bacavi Sewer System	Tribal	1.1
Navajo	Carrizo Community Sewer System	Tribal	1
Navajo	Cedar Point Phase I	Tribal	0.2
Navajo	Cedar Point Phase II	Tribal	0.5
Navajo	Chilchenbito Sewer System	Tribal	0.7
Navajo	Dilkon WWTF	Tribal	1.5
Navajo	Forest Lake Septics	Tribal	1
Navajo	Gandao Burnwater Phase IX	Tribal	0.5
Navajo	Hard Rocks Septics	Tribal	0.3
Navajo	Hotevilla Plumbing Project	Tribal	0.2
Navajo	Houck Burntwater Wash Phase I	Tribal	0.3
Navajo	Houck Burntwater Wash Phase II	Tribal	0.9
Navajo	Indian Wells Septics	Tribal	1.4
Navajo	Inscription House Septics	Tribal	1.5
Navajo	Jeddito Sewer System	Tribal	0.9
Navajo	Kayenta WWTF	Tribal	0.9
Navajo	Lower Greasewood Septics	Tribal	0.9
Navajo	Mishongnovi Water/Sewer	Tribal	2.7

2000 CWNS - NAVAJO COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Navajo	Monument Valley WWTF	Tribal	0.5
Navajo	Oraibi Water and Sewer	Tribal	0.5
Navajo	Pinon	Tribal	0.8
Navajo	Shonto Septics	Tribal	0.4
Navajo	Shungopavi Water/Sewer	Tribal	5.2
Navajo	Sipaulovi Water and Sewer	Tribal	1.4
Navajo	Tees Toh Septics	Tribal	0.9
Navajo	Tsegi Septics	Tribal	0.4
Navajo	White Cone Septics	Tribal	0.3
Navajo	White Mountains Apache WWTF	Tribal	2
Navajo	Whiteriver Regional Sewer System	Tribal	3.6
TOTAL NEEDS (MILLIONS \$\$) - NAVAJO COUNTY			139.5

<u>Total Need by Facility Type (Millions \$\$)</u>	
WW =	55.9
OWS =	51.1
SW =	0
NPS =	0
Tribal =	32.5

<u>Facility Type Descriptions</u>
WW - existing centralized wastewater treatment facilities including collection systems
OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
SW - existing and proposed storm water facilities
NPS - traditional non-point source projects
Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - PIMA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Pima	PCWWM - Harrison Pantano WWTF	WW	8.3
Pima	PCWWMD - Avra Valley WWTF	WW	9
Pima	PCWWMD - Greater Tucson Collection System	WW	71.3
Pima	PCWWMD - Green Valley WWTF	WW	18.4
Pima	PCWWMD - Marana WWTF	WW	8.9
Pima	PCWWMD - Randolph Park WRF	WW	20.1
Pima	PCWWMD - Roger Road STP	WW	57.6
Pima	PCWWMD - Ina Road STP	WW	63.3
Pima	Catalina Septics	OWS	0.9
Pima	Cortaro Septics	OWS	0.9
Pima	Picture Rocks/Avra Valley	OWS	1.1
Pima	Sahuarita WWTR	OWS	4.8
Pima	Sasabe Septics	OWS	0.6
Pima	Three Points	OWS	1
Pima	Vail Septics	OWS	0.6
Pima	Oro Valley	SW	1.1
Pima	Pima County	SW	178.5
Pima	Tucson	SW	100
Pima	Cienage Creek/Tucson River	NPS	0.4
Pima	Anegam Sewer System	Tribal	1.2
Pima	Santa Lucia Sewer System	Tribal	1.2
TOTAL NEEDS (MILLIONS \$\$) - PIMA COUNTY			549.2

Total Need by Facility Type (Millions \$\$)

WW = 256.9
 OWS = 9.9
 SW = 279.6
 NPS = 0.4
 Tribal = 2.4

2000 CWNS - PIMA COUNTY NEEDS SUMMARY

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems

OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system

SW - existing and proposed storm water facilities

NPS - traditional non-point source projects

Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - PINAL COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Pinal	Apache Junction - Superstition Mountain Community Facilities District #1	WW	12.8
Pinal	Arizona City WWTF	WW	2
Pinal	Casa Grande	WW	23.5
Pinal	Coolidge WWTF	WW	7
Pinal	Eloy	WW	4.9
Pinal	Florence - North WWTP	WW	0
Pinal	Florence WWTP	WW	8.7
Pinal	Kearny STP	WW	2
Pinal	Mammoth WWTF	WW	0.5
Pinal	Queen Creek	WW	3.7
Pinal	Queen Valley WWTF	WW	1.5
Pinal	Superior WWTF	WW	0.2
Pinal	Casa Grande - Colonial de Sol	OWS	2
Pinal	Desert Vista WWTF	OWS	0.3
Pinal	Dudleyville WWTF	OWS	1.7
Pinal	Oracle WWTF	OWS	0
Pinal	Maricopa WWTF	OWS	2.2
Pinal	Picacho Septics	OWS	1.4
Pinal	Randolph Lagoon	OWS	2.5
Pinal	Riverside WWTF	OWS	2
Pinal	Stanfield WWTF	OWS	2.2
Pinal	Valley Farms Septics	OWS	2
Pinal	Eloy Watershed Project	NPS	5.9
Pinal	Hohokam Watershed Project	NPS	6.4
Pinal	Ak Chin Village Sewer System	Tribal	1.4
Pinal	Casa Blanca Lagoon	Tribal	0.5
Pinal	Gila Blackwater Sewer System	Tribal	1.1
Pinal	Gila River D-7 Lagoon	Tribal	0.8
Pinal	Sacaton Sewer System	Tribal	1.9
TOTAL NEEDS (MILLIONS \$\$) - PINAL COUNTY			101.1

2000 CWNS - PINAL COUNTY NEEDS SUMMARY

Total Need by Facility Type (Millions \$\$)

WW = 66.8

OWS = 16.3

SW = 0

NPS = 12.3

Tribal = 5.7

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems

OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system

SW - existing and proposed storm water facilities

NPS - traditional non-point source projects

Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - SANTA CRUZ COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Santa Cruz	Kino Springs - Yerba Buena #1	WW	0.03
Santa Cruz	Nogales - Meadow Hills Estates	WW	3.9
Santa Cruz	Nogales - WWTP	WW	98.9
Santa Cruz	Patagonia WWTF	WW	1.3
Santa Cruz	Amado	OWS	0.8
Santa Cruz	Madera Canyon	OWS	0.9
Santa Cruz	Sonita	OWS	0.9
Santa Cruz	Tubac/Tumacacori	OWS	2
Santa Cruz	Nogales	SW	57.9
TOTAL NEEDS (MILLIONS \$\$) - SANTA CRUZ COUNTY			166.63

Total Need by Facility Type (Millions \$\$)

WW = 102.83
 OWS = 4.6
 SW = 57.9
 NPS = 0
 Tribal = 0

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - YAVAPAI COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Yavapai	Camp Verde WWTF	WW	6
Yavapai	Clarkdale	WW	6.8
Yavapai	Cottonwood WWTF	WW	6
Yavapai	Jerome WWTF	WW	0.6
Yavapai	Prescott - Airport WWTF	WW	0
Yavapai	Prescott - Sundog WWTP	WW	0
Yavapai	Prescott East Sanitary District	WW	0.4
Yavapai	Prescott Valley	WW	41
Yavapai	Seligman Sanitary District	WW	0.9
Yavapai	Ash Fork Septics	OWS	1.2
Yavapai	Bagdad WWTF	OWS	2.6
Yavapai	Black Canyon City WWTP	OWS	1.9
Yavapai	Bridgeport Septics	OWS	2.6
Yavapai	Cherry Septics	OWS	0.5
Yavapai	Chino Valley	OWS	9.1
Yavapai	Congress Septics	OWS	2
Yavapai	Cordes Junction Septics	OWS	2.1
Yavapai	Cornville Septics	OWS	2.6
Yavapai	Crown King Septics	OWS	0.7
Yavapai	Dewey WWTP	OWS	2.6
Yavapai	Groom Creek WWTP	OWS	1.3
Yavapai	Lake Montezuma/Rimrock	OWS	2.6
Yavapai	Mayer	OWS	1.8
Yavapai	McGuireville/Lake Montezuma Septics	OWS	2.6
Yavapai	Oak Creek WWTP	OWS	1.5
Yavapai	Page Springs/Cornville Area	OWS	2.6
Yavapai	Paulden Septics	OWS	2.6
Yavapai	Peebles Valley Septics	OWS	1.1
Yavapai	Seligman WWTP	OWS	1.2
Yavapai	Skull Valley Septics	OWS	1
Yavapai	Spring Valley	OWS	1.6
Yavapai	Verde Village	OWS	2.6

2000 CWNS - YAVAPAI COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Yavapai	Walker Septics	OWS	0.5
Yavapai	Wilhoit Septics	OWS	1.4
Yavapai	Yarnell	OWS	1.4
Yavapai	BMPS-Arsenic/Selenium	NPS	0.3
Yavapai	Erosion Control-Chino Wash	NPS	0.2
Yavapai	Fecal Coliform-Oak Creek	NPS	1.3
Yavapai	Hayfield Draw OHV	NPS	0.2
Yavapai	Innov. Septage Treatment Technology	NPS	0.1
Yavapai	Minimize Fecal Coliform Bacteria	NPS	0.1
Yavapai	Oak Creek NPS Watershed	NPS	0.2
Yavapai	Remediation NPS Verde River	NPS	0.4
Yavapai	Yavapai County Flood Control - Cornville Watershed Project	NPS	0.2
Yavapai	Sells WWTF	Tribal	0
TOTAL NEEDS (MILLIONS \$\$) - YAVAPAI COUNTY			118.4

Total Need by Facility Type (Millions \$\$)

WW = 61.7
 OWS = 53.7
 SW = 0
 NPS = 3.0
 Tribal = 0

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems
 OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system
 SW - existing and proposed storm water facilities
 NPS - traditional non-point source projects
 Tribal - existing and proposed wastewater facilities located on tribal lands

2000 CWNS - YUMA COUNTY NEEDS SUMMARY

County	Facility/Community Name	Facility Type	Reported Needs (millions)
Yuma	Gadsden WW Collection System	WW	3.5
Yuma	San Luis SBR	WW	20
Yuma	Somerton WWTF	WW	5
Yuma	Wellton WWTF	WW	7.4
Yuma	Yuma - East Mesa WPCF	WW	30.8
Yuma	Yuma - Figueroa WPCF	WW	16.3
Yuma	Yuma - Jack Rabbit Mesa WPCF	WW	0.6
Yuma	Ave B & C Septics	OWS	5.6
Yuma	Dateland	OWS	1.3
Yuma	Donovan Estates Septics	OWS	2.3
Yuma	El Prado Estates	OWS	1.1
Yuma	Martinez Lake	OWS	0.8
Yuma	Orange Grove	OWS	1.6
Yuma	Padre Ranchito Septics	OWS	0.6
Yuma	Roll Lagoon	OWS	0.9
Yuma	Speese Septics	OWS	0.4
Yuma	Tacna	OWS	1.4
Yuma	Yuma	SW	3.7
Yuma	Water Quality BPS Yuma Mesa	NPS	0.1
Yuma	Cocopah North Community Sewer System	Tribal	0.7
TOTAL NEEDS (MILLIONS \$\$) - YUMA COUNTY			104.1

Total Need by Facility Type (Millions \$\$)

WW = 83.6
 OWS = 16.0
 SW = 3.7
 NPS = 0.1
 Tribal = 0.7

2000 CWNS - YUMA COUNTY NEEDS SUMMARY

Facility Type Descriptions

WW - existing centralized wastewater treatment facilities including collection systems

OWS - unincorporated areas with individual onsite wastewater systems needing a future centralized system

SW - existing and proposed storm water facilities

NPS - traditional non-point source projects

Tribal - existing and proposed wastewater facilities located on tribal lands