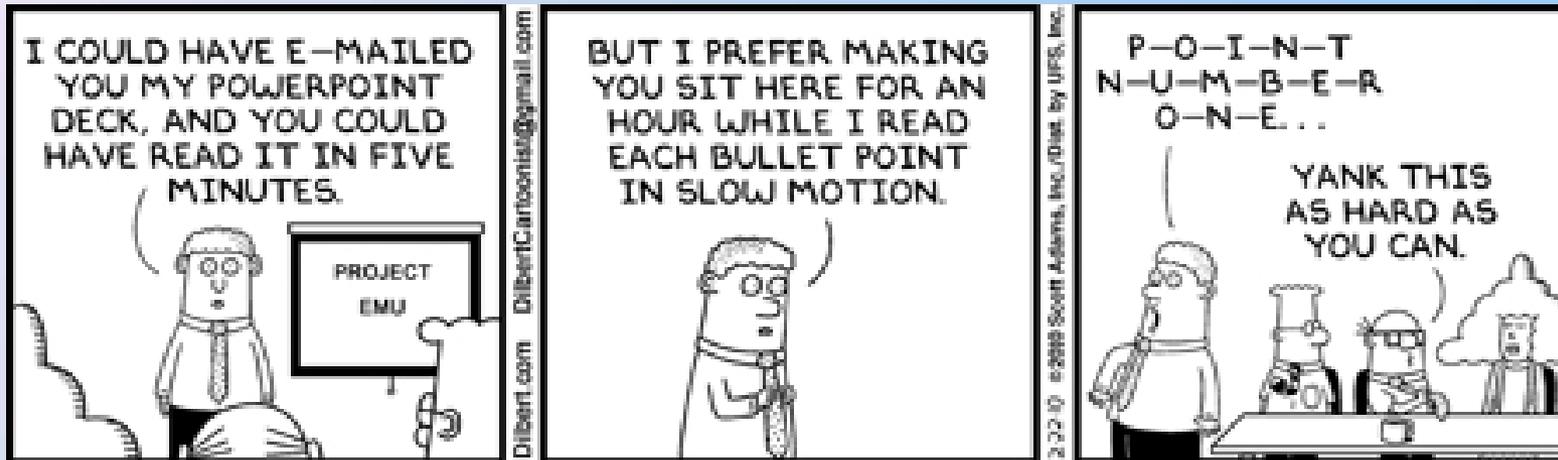


Annual Report Workshop



Arizona Department of Water Resources
February 25, 2010



If you miss anything or want to share with colleagues, the Power Point will be posted on our website:
www.azwater.gov

Gross Supply

- Groundwater from your wells
- Recovered Water that you stored
(Surface, CAP, Effluent)
- Water Received from Other Rights
(Groundwater, Surface, CAP, Effluent)
- Effluent Produced in the Service Area
(The net effluent will be zero.)

Gross Supply Forms

- Well Worksheet W-1
- Schedule A
- Recovery Schedules
- Schedule E
- Schedule F-1 Part 3 (The net effluent will be zero.)

Well Worksheet W-1

- Include all water pumped pursuant to your rights (groundwater and recovered water)
- Show beginning and ending reads for replaced meters
- Show breakdown estimates
- Indicate rollovers

The meter was replaced on 9/25/09.

The end reading was 195,652, but the meter rolled over twice.

1	DWR WELL REGISTRATION NO. 55-501247	10 Q	40 Q	160 Q	LOCATION Sec Twn Rng NE NE NE26 2N 1E
2	TYPE OF MEASURING DEVICE Totalizer	MAKE / MODEL Sensus			
	SIZE 1000 GAL	UNITS MEASURED 1000 GAL			
	INSTALLATION OR OVERHAUL DATE 9/25/09				
3	POWER CO. NAME APS	ACCOUNT NO. 35876421	POWER METER NO. 920345		
	ENERGY CONSUMPTION		UNITS		

4 DOES ENERGY METER SERVE USES OTHER THAN THE WELL PUMP? Yes No
ENTER "Y" OR "N" IN COLUMN 5 OF SCHEDULE A

WATER TOTALIZING METER READINGS		
5 INITIAL	6 ENDING	7 DIFFERENCE
1,794,529	(2)195,652	401,123
0	33,237	33,237
		434,360

IF METER WAS REPLACED DURING THE YEAR, INDICATE BEGINNING AND ENDING READING FOR EACH METER IN THE BOXES ABOVE.

8 ACRE FEET	1,333	9 BREAKDOWN ESTIMATE	127
-------------	-------	----------------------	-----

Enter total Acre-feet
Shown in in Column
of Schedule A

10 TOTAL IN ACRE-FEET	1,460
-----------------------	-------

There are two meter readings and a breakdown estimate.

Schedule A

- Transfer data from W-1 for each well.
- Enter the amount of each type of water pumped.
- The total pumped for each well should match the total on W-1 for each well.
- Total each column.
- Enter the total groundwater pumped on the Provider Summary.

Schedule A

REPORT OF PUMPING

ARIZONA DEPARTMENT OF WATER RESOURCES

ANNUAL REPORT 2009

(1) Owner

RIGHT/PERMIT/BMP Farm Unit Number

Note: Pumpage for each well must be shown on the attached well worksheets. Information for up to four wells may be shown on each worksheet page.

(2) DWR Well Registration Number	(3) Depth to Static Water Level (Designated Providers Only)			(4) Ground-water Pumped	RECOVERED WATER PUMPED				(9) Total Pumped
	Date #1	Msrmt #1	Well running? (Y/N)		(5) CAP	(6) SW	(7) EFF/IN	(8) EFF/OUT	
	Date #2	Msrmt #2							
55-501247	6/12/09	431 ft.	No	460	400	200	400		1460
	12/18/09	246 ft.	No						
TOTAL WATER WITHDRAWN (acre-feet)				(10) 460	400	200	400		(11) 1460

Enter this volume on the Provider Summary

Schedule E

- Include all water received from other rights (Groundwater, Surface Water, CAP, Effluent, Exchange) on Part A
- Include all water sent directly to storage on your behalf on Part B

Water Received from Other Rights

SRP (from canals or wells)

- Groundwater (not recovered)
- Decreed/Appropriative
- Normal Flow
- Spillwater
- CAP (wheeled)
- Other Surface Water (wheeled NCS, Plan 6, RWCD)

Part I - SRP Water Received (not stored or exchanged)

- Water types and volumes must match water types and volumes reported on SRP report (excluding direct storage)

Pumped from a well. Not stored/recovered

Received from a canal or pumped from a well.

Non-SRP water delivered through SRP system.

WATER DELIVERED - SCHEDULE D-4S

MUNICIPAL PROVIDERS
(Quantities in Acre Feet)

CITY	PERMIT	PROJECT ACRES A	GROUND WATER B	SURFACE WATER C	NORMAL FLOW D	NO CHARGE F	CAP WHEELED G	PLAN 6 WHEELED H	RWCD WHEELED I	TOTAL WATER DELIVERED (1) J
AVONDALE	56-002003									
	Delivery	4,896.90	488.88	5,269.05	1,103.27	1,387.26	-	-	-	8,248.26
	RID 3-Way Exchange		(316.91)	316.91						-
	Exchange		0.00	412.84						412.84
Avondale Delivery			171.77	5,998.80	1,103.27	1,387.26	-	-	-	8,661.10
CHANDLER	56-002009									
	Delivery	23,027.57	431.43	27,118.83	2,087.81	4,552.19		2,471.79	1,960.51	38,622.56
	RID 3-Way Exchange		(279.78)	279.78						-
	Exchange		0.00	5,726.22						5,726.22
Chandler Delivery			151.65	33,124.83	2,087.81	4,552.19	-	2,471.79	1,960.51	44,348.78
GILBERT	56-002017									
	Delivery	11,035.05	5,977.90	15,645.77	663.18	3,548.98	7,339.43		3,136.70	36,311.96
	RID 3-Way Exchange		(3,876.65)	3,876.65						-
	Exchange		0.00	2,226.88						2,226.88
Gilbert Delivery			2,101.25	(2) 21,749.30	663.18	3,548.98	7,339.43	-	3,136.70	38,538.84

Decreed/Appropriative on Sch. E

SCHEDULE E Part A -- All Users

ARIZONA DEPARTMENT OF WATER RESOURCES

Do not include any water sent directly to a storage facility on a municipal provider's behalf in Part A. Report water sent directly to storage facility on Part B.

WATER RECEIVED FROM OTHER SOURCES

ANNUAL REPORT 2009

Owner

RIGHT/PERMIT/BMP Farm Unit NO.

Part I -- Water Received from Primary Irrigation Districts / Municipal Providers

Irrigation District /Provider Number

Your District User/ Account Number

Provider/District Name

Number of acres eligible to receive surface water

Water Storage Permit if applicable (enter 73-xxxxxx.xxxx)	Measurement Method	Acre-feet Received by Water Type								Total Received
		Groundwater	In-lieu Groundwater	Decreed/ Appropriate	Normal Flow	Spillwater	CAP	Other	(Describe Other water)	
		151.65		14,046.33	2,087.81	4,552.19		2,471.79	Plan 6	23,309.75
								1,960.51	RWCD	1,960.51
Part I Total Acre-feet Received		151.65		14,046.33	2,087.81	4,552.19		4,432.30		25,270.26

2008 WATER DELIVERED - SCHEDULE D-4S MUNICIPAL PROVIDERS (Quantities in Acre Feet)

CITY	PERMIT	PROJECT ACRES A	GROUND WATER B	SURFACE WATER C	NORMAL FLOW D	NO CHARGE F	CAP WHEELED G	PLAN 6 WHEELED H	RWCD WHEELED I	TOTAL WATER DELIVERED (1) J
CHANDLER	56-002009 Delivery	23,027.57	431.43 (279.78)	27,118.83 279.78	2,087.81	4,552.19		2,471.79	1,960.51	38,622.56
	RID 3-Way Exchange		0.00	5,726.22						5,726.22
	Chandler Delivery		151.65	33,124.83	2,087.81	4,552.19	-	2,471.79	1,960.51	44,348.78

$(27,118.83 + 279.78) - 14,046.33 = 13,352.28$ a-f stored

CAP (from canals or wells)

- Volume must match CAP report

Schedule E Part II

Part II – Water Received or Diverted from Sources Other Than Irrigation Districts / Municipal Providers

Right / Permit Number Supplying Water	Measurement Method	Acre-feet Received by Water Type							Total Received
		Groundwater	Decreed/ Appropri- ative	Normal Flow	Spillwater	CAP	Other	(Describe Other water)	
CAP	metered					1933.00			1933.00
Part II Total Acre-feet Received									1933.00

S	City of Chandler	0	0	0	158	165	197	246	248	146	210	262	301	1,933
S	City of Chandler (GRIC)	381	216	217	96	0	0	0	0	0	0	0	0	910

This volume was sent to GRIC for storage. It should be entered in Part B of the Schedule E.

All water types and volumes reported here must agree with the types and volumes reported by the source supplying the water.

Exchanges

- Inside or outside of the service area?
- Volumes and types must match other provider's report (SRP, CAP, etc.)

Schedule E Part III

CAP Report

City of Chandler	0	0	0	158	163	197	240	240	140	210	202	894	1,033
City of Chandler (GRIC)	381	216	217	96	0	0	0	0	0	0	0	0	910

PART III - Water Received Pursuant to a Permitted or Enrolled Exchange Agreement

Exchange No. Supplying Water	Measurement Method	Exchange outside service area?	Payback for			Acre-feet Received in Exchange by Water Type							
			Quantity	Type GW, CAP, Plan 6, Eff	Year Given	GW	SRP	CAP	Effluent	Other SW	Total Received		
67- 541968	metered	no	7,031.15	Plan 6, Eff	2009		5,726.22						5,726.22
67- 205582	metered	yes	4,863.00	Eff	2009			910.00					910.00
67-													
Part III Total Acre-feet Received in Exchange							5,726.22	910.00					6636.22
Sch. E Part A Total acre-feet of Water Received or Diverted from Other Sources (Part I + Part II + Part III)						Enter Total on Part III of the Summary Page Part III						33,839.48	

Water Exchange Detail

Quantities in Acre Feet

SRP Right Number: 57-002520.0000
Phoenix AMA

Exchanges Between Salt River Valley Water Users Association and

Name	Permit #	Water Given By SRP			Water Received By SRP					Received Total
		Ground Water	Surface Water	Given Total	Effluent	Pumping (1)	CAP	Plan 6	Surface	
RIO VERDE	67-541900	-	244.86	244.86			262.00			262.00
CHANDLER	67-541968	-	5,726.22	5,726.22	442.93	623.19	4,729.29	1,235.74	-	7,031.15
BEN HUB TSDP	67-541982	2,617.10		2,617.10					2,617.10	2,617.10

SCHEDULE E Part B -- MUNI USE ONLY

ARIZONA DEPARTMENT OF WATER RESOURCES

WATER DELIVERED TO STORAGE FACILITIES ON A MUNICIPAL PROVIDER'S BEHALF

OWNER

RIGHT/PERMIT/BMP Farm Unit NO.

ANNUAL REPORT 2009

Water Delivered Directly to Recharge / Storage Facilities on the Provider's Behalf

Right No. Supplying Water	Type of Right	Measurement Method	Storage Facility Permit Number	Acre-feet Delivered to Recharge/Storage Facility by Water Type						Total Stored
				Salt/Verde	Plan 6	CAP	Effluent	Other	(Describe Other water)	
57-002520.0000	Irrigation Dist.	Metered	71-516371.0000	6,578.76						6,578.76
57-002520.0000	Irrigation Dist.	Metered	71-588558.0004	6,773.52						6,773.52
CAP	Irrigation Dist.	Metered	71-593305.0001			6,605.00				6,605.00
Total Acre-feet Delivered to Storage on Provider's Behalf				13,352.28		6,605.00				19,957.28

Total Acre-feet of Water Received or Diverted from Other Sources from Sch. E Part A 33,839.48

Total Acre-feet of Water Received or Diverted from Other Sources (Sch. E Part A + Part B) 53,796.76

$$(27,118.83 + 279.78) - 14046.33 = 13,352.28 \text{ a-f stored}$$

2008 WATER DELIVERED - SCHEDULE D-4S MUNICIPAL PROVIDERS (Quantities in Acre Feet)

CITY	PERMIT	PROJECT ACRES A	GROUND WATER B	SURFACE WATER C	NORMAL FLOW D	NO CHARGE F	CAP WHEELED G	PLAN 6 WHEELED H	RWCD WHEELED I	TOTAL WATER DELIVERED (1) J
CHANDLER	56-002009									
	Delivery	23,027.57	431.43	27,118.83	2,087.81	4,552.19		2,471.79	1,960.51	38,622.56
	RID 3-Way Exchange		(279.78)	279.78						-
	Exchange		0.00	5,726.22						5,726.22
	Chandler Delivery		151.65	33,124.83	2,087.81	4,552.19	-	2,471.79	1,960.51	44,348.78

Schedule F-1 Part 3

- Effluent produced in your service area
- Effluent used in your service area
- Effluent you stored
- Effluent discharged (not put to beneficial use)
- If effluent produced in your service area was delivered to another right (other than Individual Users) report it on *both* Schedule F-1 Part 3 and on Schedule D.

Total supply of effluent produced in service area must be equal to Delivered + Recharged + Discharged.

SCHEDULE F-1 PART 3

MUNICIPAL PROVIDER DIRECT USE EFFLUENT

ANNUAL REPORT

16,406.60
3,489.98
+ 1,059.31
20,955.89

ARIZONA DEPARTMENT OF WATER RESOURCES

PROVIDER NAME

1 CITY OF CHANDLER

Total volume of effluent used in the service area, including Individual Users shown on Schedule F-2.

Pursuant to the Third Management Plan, municipal water providers are required to supply the following delivered, reused, recharged or discharged in your service area in calendar year:

List effluent production for each plant in your service area separately.

Part A. Effluent Produced in Service Area in Acre-Feet				
Month	Treatment Plant/Entity 2			TOTAL ACRE-FEET 3
	Airport WRF	Ocotillo WRF	Intel R.O.	
Jan	903.48	771.7	73.07	1748.25
Feb	822.46	763.82	69.15	1655.43
Mar	850.66	827.77	74.63	1753.06
Apr	784.77	836.39	71.00	1692.16
May	850.35	829.74	59.35	1739.44
Jun	790.85	803.19	63.36	1657.40
Jul	829.42	836.09	77.07	1742.58
Aug	860.79	854.50	77.51	1792.80
Sep	782.87	832.01	76.66	1691.54
Oct	769.37	881.38	82.42	1733.17
Nov	869.66	906.00	50.43	1826.09
Dec	980.84	871.56	71.57	1923.97
Total	10,095.52	10,014.15	846.22	20,955.89

Part B. Effluent Delivered / Reused in Service Area in Acre-Feet					
Month	Delivered to: 4				TOTAL ACRE-FEET 5
	Turf Facilities	R.O.	Other OMG	Exchange To GRIC	
Jan	215.66	.13	178.96	461	855.75
Feb	233.46	.35	137.22	427.20	798.23
Mar	434.62	.13	263.85	506.3	1204.90
Apr	608.77	.10	276.36	471.3	1356.53
May	643.43	.13	433.37	374.3	1451.23
Jun	783.87	.16	498.36	304.5	1586.89
Jul	731.81	.19	486.49	349.6	1568.09
Aug	778.93	.13	507.70	346.8	1633.56
Sep	677	.12	481.11	350.9	1509.13
Oct	716.97	.14	528.48	352.9	1598.49
Nov	639.34	.10	453.61	427.2	1520.25
Dec	528.53	.09	303.93	491	1323.55
Total	6992.39	1.77	4,549.44	4,863	1,6406.60

Part C. Total amount of effluent recharged as reported on the recharge annual report form	6	3,489.98
---	---	----------

Part D. Total amount of effluent discharged (not recharged, delivered, or reused) TW ASR 5 & 6 + GRIC	7	1,059.31
---	---	----------

Total volume of effluent sent to storage as shown on the Recharge Schedule.

Total volume of effluent not put to beneficial use (delivered or recharged).

Remember –
Net Effluent should be zero!

Recovery

ARIZONA DEPARTMENT OF WATER RESOURCES

RW - SCHEDULE 74

REPORT OF RECOVERED WATER

ANNUAL REPORT 2009

PERMIT HOLDER

PERMIT NUMBER

LONG TERM STORAGE ACCOUNT NUMBER

WATER RECOVERED

1 DWR WELL NO.	2 WATER STORAGE PERMIT NO. (73-)	3 STORAGE FACILITY [USF OR GSF]	4 MULTIPLE USE WELL [YES OR NO]	5 RECOVERED WITHIN 1 MILE OF FACILITY [YES OR NO]	6 ANNUAL RECOVERY VOLUME OF WATER RECOVERED (ACRE-FEET)					7 LONG-TERM STORAGE RECOVERY VOLUME OF WATER RECOVERED (ACRE-FEET)			8 TOTAL VOLUME RECOVERED (ACRE-FEET)
					CAP	SW	SPILL	EFF	PLAN 6	CAP	EFF	PLAN 6	
501247	73-569776	USF	Y	N	350	125				50	225		750
	73-562521	USF	Y	N		75		175					250
9 TOTALS:					350	200		175		50	225		1000
					10 TOTAL ANNUAL RECOVERY					11 TOTAL LTSS RECOVERY			
					725					275			

Enter Annual Recovery (water recovered the same year it was stored) here

Enter Recovery of Long Term Storage Credits here

Enter total volume of recovered water here

Add volumes from columns above and enter here

Water Storage

ARIZONA DEPARTMENT OF WATER RESOURCES

UWS - SCHEDULE

ANNUAL REPORT 2009

All water stored (by you AND anyone else) at your own facilities goes here

PERMIT HOLDER:

CITY OF SURPRISE

70-441155.0000

STORAGE/SAVINGS FACILITY INFORMATION

PLEASE ATTACH 2 COPIES OF ANY SUPPLEMENTAL MATERIAL REQUIRED BY THE PERMITS

Facility Permit No. (1)	Facility Name (2)	Water Storage Permit No. (3)	Water Storage Permit Holder (4)	Volume of Water Delivered to Facility (Acre-Feet) (5)					Total Volume Delivered By Each Storer (Acre-feet) (6)
				CAP	EFFLUENT	SURFACE	SPILL	PLAN 6	
71-562521.0002	CITY OF SURPRISE SOUTH WWTP	73-562521.0002	CITY OF SURPRISE	225		75			300
<i>Total volume of water delivered to this facility [Enter zero if water was not delivered].</i>									300

WATER STORAGE INFORMATION

Water Storage Permit No. (1)	Facility Permit No. (2)	Facility Name (3)	Volume of Water Delivered to Facility (Acre-Feet) (4)					Total Volume of Water Delivered (Acre-feet)	
			CAP	EFFLUENT	SURFACE	SPILL	PLAN 6		
73-562521.0002	71-562521.0002	CITY OF SURPRISE SOUTH WWTP		225	75			300	
73-569775.1100	71-569775.0005	AGUA FRIA - MANAGED							
73-569776.1100	71-569776.0005	AGUA FRIA - CONSTRUCTED	600		125			725	
73-584466.0900	71-584466.0002	HIEROGLYPHIC MTNS RP							
73-593									
			DELIVERED	600	225	200			1025

Water you stored at all facilities (including your own) goes here

A zero must be entered if water was not delivered pursuant to a water storage permit

Net Supply

- The net supply is the gross supply minus deliveries to *other rights*.
- Show these deliveries on Schedule D.
- Do not include municipal customers (residential and non-residential).
- Do not include Individual Users.
- Do not include water sent to storage.

This data must match the data reported by the receiving party.

SCHEDULE D

REPORT OF WATER DELIVERIES TO OTHER WATER RIGHTS

ANNUAL REPORT 2009

Owner

1 RIGHT/PERMIT/BMP Farm Unit NO.

2 RIGHT NO. DELIVERED TO	4 DWR WELL NUMBER	5 CUSTOMER ACCOUNT NUMBER	6 FILING ON BEHALF	7 HOW MEASURED OR ESTIMATED	A ACRE-FEET DELIVERED BY TYPE OF WATER					TOTAL ACRE-FEET DELIVERED
					GW	CAP	EFF	SRP	Other SW	
56-002099.0000				Metered	27.2			238		265.2
Municipal Provider										
Note: If you delivered water to a storage facility, enter the amounts on a UWS - Schedule.					9 TOTAL ACRE-FEET DELIVERED GW 27.2	10 CAP	11 EFF	12 SRP 238	13 Other SW	14 265.2

15 EXCHANGE NO. RECEIVING WATER	16 DWR WELL NO. IF APPLICABLE	B ACRE-FEET EXCHANGED BY TYPE OF WATER					TOTAL ACRE-FEET EXCHANGED
		GW	CAP	EFF	SRP	Other SW	
67-541648		623.19	4,729.29	442.93		1,235.74	7,031.15
67-205582				4,863.00			4,863.00
FEET ID		18 TOT. GW 623.19	19 TOT. CAP 4,729.29	20 TOT. EFF 5,305.93	21 TOT. SRP	22 TOT. O. SW 1,235.74	23 11,894.15
TOTAL ACRE-FEET DELIVERED AND EXCHANGED						24	12,161.35

Enter the total delivered on the Summary Page.



Total Production = (all water pumped + all water received from other rights and not stored) – Schedule D deliveries.

Include all deliveries to customers (other than direct use effluent shown on Sch. F-1 Part 3).

Include Sch. F-2 and G-2 deliveries from your supply.

Include unmetered deliveries.

ARIZONA DEPARTMENT OF WATER RESOURCES

SCHEDULE F-1 PART 2

MUNICIPAL PROVIDER WATER DELIVERIES

ANNUAL REPORT _____

PROVIDER NAME

 RIGHT/PERMIT NO.

Total Production 63,076.34

Pursuant to the Third Management Plan (TMP) and the Groundwater Code, large water providers are required to supply the following information. Do not include direct use effluent on this schedule (please use Part 3 of Schedule F-1).

MONTH	DELIVERIES IN ACRE-FEET									TOTAL
	RESIDENTIAL [A]			NON-RESIDENTIAL [B]						
	Single Family	Multi-Family	Industrial	Commercial	Govt.	Turf Related Facilities *	Other Turf **	Construction	Other ***	
Jan	1661	332	326	200	32	13	335	39	23	3061
Feb	1620	333	644	327	50	10	217	16	81	3346
Mar	1743	300	525	341	14	18	332	38	49	3360
Apr	2282	310	580	366	49	36	533	73	41	4278
May	2959	338	598	375	77	53	826	107	33	5366
Jun	3122	386	648	491	71	63	944	23	56	5804
Jul	3227	358	668	496	76	67	1095	75	66	6128
Aug	2772	340	694	493	79	64	908	84	45	5479
Sep	3068	362	692	483	98	63	1016	78	119	5979
Oct	2813	379	645	506	74	40	807	64	36	5364
Nov	2820	373	614	427	66	19	874	49	42	5284
Dec	2207	364	619	417	50	8	582	12	32	4291
Total Deliveries	2 30,294	3 4,130	4 7,261	5 5,012	6 736	7 654	8 8,562	9 658	10 633	11 57,790
Total Active Connections	12 66,698	13 926	14 45	15 1,825	16 343	17 64	18 1,781	19 116	20 N/A	21 71,798

NOTE: Government Includes Educational, Fire Flow
 * Turf Related Facilities includes turf-related facilities (10 or more acres of turf or other high water use landscaping) and landscaped public rights-of-way identified as Individual Users.
 ** Other Turf includes water delivered to other turf areas that are less than 10 acres.
 *** Other includes unmetered deliveries. Unmetered deliveries must be calculated using a generally accepted method of estimating water use. Explain in a separate letter how any unmetered deliveries were calculated and to which category it would belong if it were metered. e.g. Industrial, Commercial, etc. (REFER TO ATTACHMENT A)

Please contact your local Active Management Area if you need assistance completing this form.

PHOENIX AMA (602) 771-8585 PINAL AMA (520) 836-4857 SANTA CRUZ AMA (520) 761-1814
 PRESCOTT AMA (928) 778-7202 TUCSON AMA (520) 770-3800

Residential Deliveries

- Single Family means individual dwelling units that do not share a common wall. Include mobiles homes *not* in mobile home parks.
- Multi-family means units that share a common wall (e.g., apartments, duplexes) Include mobile homes in mobile home parks.
- RV Parks are commercial, not residential.

Turf Facilities

- Facilities (e.g., golf courses) with 10 or more acres of irrigated turf or other high water-use landscaping and landscaped rights of way.
- Individual Users report deliveries on Schedule F-2
- Schedule G-2 deliveries from your supply.

Turf-related

- Deliveries to turf areas less than 10 acres
- Include deliveries to areas less than 10 acres with high water-use landscaping

Other

- All unmetered uses
- Attach a sheet with a list of the uses, the category to which they would belong if metered, and descriptions of the measuring methods used

Lost & Unaccounted for Water

- Leaks
- Breaks
- Measurement Errors
- Evaporation
- Illegal Connections/Water Theft
- Phreatophyte Uses
- *Do not list any of these as deliveries or uses (See TMP Appendix 5-M)*

Calculating L & U

- a-f I&u = Total Production – Customer Deliveries
- %I&u = (a-f I&u / Total Production) * 100%

Requirements for L&U

- Large Providers – no more than 10%
- Small Providers – no more than 15%
- Lost & unaccounted for can not be *negative*. (You can't deliver more than you have!)

Industrial Program

- Turf-related facilities (e.g., golf courses, HOA common areas, schools, parks and cemeteries) defined as having 10 or more acres of irrigated turf or other high water-use landscaping.
- May be identified as Individual Users
 - Report deliveries on Schedule F-2
- City-owned turf facilities water use will be reported on Schedule G-2

SCHEDULE G-2

TURF-RELATED FACILITIES

ANNUAL REPORT 2009

ARIZONA DEPARTMENT OF WATER RESOURCES

Facility Name: _____

Facility No.: _____

Facility Owner: _____

Contact Name: _____

Contact Address: _____

Contact Phone: _____

Rights Used at Facility:

If you received an annual use letter from an irrigation district or municipal provider, please submit a copy of their letter with your 2009 Annual Water Withdrawal and Use Report to validate deliveries received.

Pursuant to Chapter 6 of the Third Management Plan of your Active Management Area, all turf-related facilities are required to supply the following information. Please complete one form per turf-related facility. Instructions are listed on the reverse side of this form.

PART 1 - TURF RELATED WATER USE

Source	Entity or Water Right Number(s) Supplying Water	Amount (acre-feet)
Groundwater (including in-lieu groundwater)		
Effluent	<input type="checkbox"/> Municipal Reclaimed	
	<input type="checkbox"/> Other	
Surface Water	<input checked="" type="checkbox"/> Overseed/Appropriative SRP	53.29
	<input checked="" type="checkbox"/> Normal Flow SRP	6.53
	<input type="checkbox"/> Spillwater	
	<input type="checkbox"/> CAP	
Municipal (commingled/potable)		96.29
Recovered water (specify type of water)		
Other (specify)		
SUB-TOTAL OF TURF RELATED WATER USE		156.11
NON Turf-related water additional sheets may be used	Meter Readings: Beginning: _____ End: _____	
	Purpose: _____	
TOTAL TURF-RELATED WATER USE		156.11

PART 2 - LANDSCAPED AND WATER SURFACE AREAS CHANGES

Total turf acreage or percent overseeded 50%

Has there been any landscape or water surface acreage changes at your facility? YES NO

6-310 Monitoring and Reporting Requirements for Turf-Related Facilities.

An industrial user who uses water at a turf-related facility that commences watering to any new turfed acres, low water use landscaped area or water surface acres after January 1, 2009 shall submit to the director documentation of the new acres no later than 90 days after commencement of providing water to the new acres or receiving notice of these conservation requirements, whichever is later. The scale of the submitted documents, extent of turf acres, water surface acres, and low water use landscaped area must clearly be shown.

Enter amounts of different types of water delivered here

Enter entity name and/or type of water here

Enter non-turf related water delivered off here

Enter total acreage overseeded or % overseeded

Check if there have been any landscape changes at the facility

Schedule AWS

- There are **2** pages. Please complete and return both of them with your Annual Report.

- The sum of your Current, Committed and Projected Demand is compared to your Designation Volume. If close, the Department will contact you to discuss and potentially modify your Designation.

- All of the information for Part 4 A-D and Part 5 A on Page 2 of the Schedule AWS can be found within the rest of the Annual Report and should match exactly.

- Your Groundwater Allowance Balance is calculated based on the information given in Part 4 and 5 of the Schedule AWS. It is crucial that it is accurate.

SCHEDULE AWS

ARIZONA DEPARTMENT OF WATER RESOURCES

ASSURED WATER SUPPLY SUPPLEMENT
FOR DESIGNATED PROVIDERS

Designated Provider

City of XYZ

Right No.

56-00XXXX

ANNUAL REPORT 2009

Pursuant to A.R.S. § 45-632 and the Assured & Adequate Water Supply Rules, designated water providers are required to supply the following information. Instructions are listed under each section of this form.

Note: If any information pre-printed on this form is incorrect, please make the needed corrections. For any information not already pre-printed on this form, please follow the directions below. All parts must be completed.

PART 1 - COMMITTED DEMAND

Please provide the estimated future demand in acre-feet for undeveloped, recorded plats that are located in the area as of December 31, 2009. Report demand for residential versus non-residential lots separately.

Number of Residential Lots	Demand per Lot (af/yr)	Total Demand (af/yr)
1500	0.45	675
Number of Non-Residential Parcels	Total Demand (af/yr)	
100 parcels / 2000 acres	4500	

Explain how the non-residential demand was calculated. Use a separate sheet if necessary.

Average demand for non-residential land uses: 2.25 af/ac.

PART 2 - PROJECTED ANNUAL DEMAND

Project the annual water demand in acre-feet for each year indicated. Calculate the increase in demand each year from the previous year. The projected demand in most cases will be greater than the total water use for the current calendar year. Current year demand should equal the total water deliveries in the service area for 2009 as reported on the Schedule F forms, plus system losses and unaccounted for water. Include all water sources used.

Year	Projected Population	GPCD	Total Production (af/yr)	Increase from Previous Year (af/yr)
2009	250000	179	50000	
2010	255000	182	52000	2000
2011	260000	181	53000	1000
2012	265000	182	54000	1000
2013	275000	182	56000	2000
2014	280000	191	60000	4000
2015	285000	181	58000	(2000)
2016	290000	185	60000	2000
2017	295000	188	62000	2000
2018	300000	188	63000	1000

PART 3 - WATER QUALITY

- A. Is the provider currently in compliance with the Arizona Department of Environmental Quality's state water quality standards and reporting requirements? Yes No
- B. Have any new Superfund or WQARF sites been identified within the provider's service area or have existing contaminant plumes migrated to be within one mile of any service area wells? Yes No

Please contact the Office of Assured and Adequate Water Supply if you need assistance completing this form.

(602) 771-8585

SCHEDULE AWS

ASSURED WATER SUPPLY SUPPLEMENT
FOR DESIGNATED PROVIDERS
ANNUAL REPORT 2009

ARIZONA DEPARTMENT OF WATER RESOURCES

Designated Provider

City of XYZ

Right No.

56-00XXXX

Schedule AWS cont.

PART 4 - TOTAL WATER WITHDRAWN, DIVERTED OR RECEIVED - PHYSICAL AVAILABILITY REQUIREMENT

Please show all sources of water withdrawn, received or diverted in 2009. Refer to Schedule A for the total volume of water withdrawn in 2009. Subtract out deliveries to other rights in the rows indicated below. Water received should match Schedule E. Water delivered should match Schedule D. The total volume of water pumped as reported on Schedule A should match the total water withdrawn on line D.1 in the table below.

The total physically, legally and continuously available supply listed below is provided for your reference:

1. Total water physically, legally and continuously available per designation order	65,000	af
---	--------	----

A. CAP Water:

1. CAP received directly (do not include CAP storage credits recovered or CAP stored)		af
2. CAP delivered directly to other rights (do not include individual user deliveries)		af
3. Part 4.A.1 - Part 4.A.2 (total CAP for use within the service area in 2009)		af

B. Surface Water:

1. Surface water received directly (do not include surface water storage credits recovered or surface water stored)		af
2. Surface water delivered directly to other rights (do not include individual user deliveries)		af
3. Part 4.B.1 - Part 4.B.2 (total surface water for use within the service area in 2009)		af

C. Effluent

1. Effluent received directly (do not include effluent storage credits recovered or effluent stored)		af
2. Effluent delivered directly to other rights (do not include individual user deliveries)		af
3. Part 4.C.1 - Part 4.C.2 (total effluent for use within the service area in 2009)		af

D. Water Withdrawn and Groundwater Received for Use in the Service Area in 2009

1. Total Water Withdrawn (include water storage credits recovered and exchange water)		af
2. Groundwater Received from other rights		af
3. Groundwater delivered to other rights (do not include individual user deliveries)		af
4. Part 4.D.1 + Part 4.D.2 - Part 4.D.3 (total withdrawn water and groundwater received 2009)		af

Note: Pursuant to the Assured and Adequate Water Supply Rules the director shall consider recovered storage credits when determining physical availability of groundwater.

PART 5. - GROUNDWATER WITHDRAWALS - CONSISTENCY WITH GOAL REQUIREMENT

A. Total Groundwater for Use within the Service Area in 2009

1. Total from Part 4.D.4 above		af
2. Water Withdrawn as Recovered Long-Term Storage Credits		af
3. Water Withdrawn as Recovered Annual Storage Credits		af
4. Part 5.A.1 - Part 5.A.2 - Part 5.A.3 (total groundwater for use in 2009)		af

B. Groundwater Exemptions:

1. Total Groundwater from Part 5.A.4 above		af
2. Poor Quality Groundwater Withdrawn *		af
3. Water Logged Groundwater Withdrawn *		af
4. Drought Exemption Groundwater Withdrawn **		af
5. Part 5.B.1 above - sum of Parts 5.B.2 through 5.B.4 above		af
6. Amount from line 5.B.5 above reported to the CAGR as Excess Groundwater		af
7. Part 5.B.5 above - Part 5.B.6 (groundwater subtracted from allowance account) ***		af

* Note: Poor quality groundwater and water logged groundwater must be listed on the designation order to qualify for subtraction here.

** Note: Drought exemption groundwater must be applied for in writing for each year in which the exemption is requested.

*** Note: For information on your groundwater account balance, contact the Office of Assured and Adequate Water Supply.

Please contact the Office of Assured and Adequate Water Supply if you need assistance completing this form.

(602) 771-8585

Page 2 of 2

Designation Volume is usually preprinted

Sch. E Part A Part II (Received from non-Irrig Dist/Muni) & III (Exchange Received)

Sch. D "CAP" & TOT. CAP (Boxes 10+19)

Sch. E Part A Part I ("Decreed /Appropriative, Normal Flow, Spillwater, Other-Surf Water"), Part II ("Decreed /Appropriative, Normal Flow, Spillwater, Other-Surf Water"), & Part III ("SRP, Other SW")

Sch. D "Other SW" (Boxes 13+22)

Sch. E Part A Part I, II or III &/or Sch. F-1 Part 3 ("Part A. Effluent Produced in Service Area in Acre-Feet")

Sch. D "EFF & TOT.EFF" (Boxes 11+20)

Sch. A "TOTAL WATER PUMPED" (Box 11)

Sch. E Part A Part I, II, & III

Sch. D "GW & TOT. GW" (Box 9+18)

RW Sch. 74 "TOTAL LTSC RECOVERY" (Box 11)

RW Sch. 74 "TOTAL ANNUAL RECOVERY" (Box 10)

Poor Quality Exemption for CERCLA/WQARF R12-15-722, R12-15-729

Water Logged Exemption Buckeye Water Logged Area R12-15-722

Drought Exemption <80% Surface Water available R12-15-722

Must match CAGR Report

Data to use for Schedule AWS

SCHEDULE A

REPORT OF PUMPING

Owner

City of XYZ

1 RIGHT/PERMIT/BMP Farm Unit NO.

ANNUAL REPORT 2009

Note: Pumpage for each well must be shown on the attached well worksheets.
Information for up to four wells may be shown on each worksheet.

2 DWR WELL REGISTRATION NO.				3 Depth to Static Water Level (Designated Providers Only)			4 Ground-water Pumped	RECOVERED WATER PUMPED				9 Total Water Pumped
10 Q	40 Q	160 Q	LOCATION			5 CAP		6 SW	7 EFF/I N	8 EFF/ OUT		
SEC	TWN	RNG	Date # 1	Msmt # 1	Well Running? (Y/N)							
			Date # 2	Msmt # 2								
TOTAL WATER WITHDRAWN (acre-feet)						10*					11**	

PART 4.D.1

rev. 10/09 * ENTER TOTAL ACRE-FEET OF GROUNDWATER WITHDRAWN IN PART I OF THE SUMMARY PAGE.
** ENTER ACRE-FEET OF TOTAL WATER PUMPED IN PART IV D. 1 OF THE SCHEDULE AWS.

Data to use for Schedule AWS

ARIZONA DEPARTMENT OF WATER RESOURCES

SCHEDULE D

REPORT OF WATER DELIVERIES
TO OTHER WATER RIGHTS

ANNUAL REPORT 2009

Owner

City of XYZ

1 RIGHT/PERMIT/BMP Farm Unit NO.

2 RIGHT NO. DELIVERED TO	4 DWR WELL NUMBER	5 CUSTOMER ACCOUNT NUMBER	6 FILING ON BEHALF	7 HOW MEASURED OR ESTIMATED	A ACRE-FEET DELIVERED BY TYPE OF WATER					TOTAL ACRE-FEET DELIVERED	
					GW	CAP	EFF	SRP	Other SW		
3 TYPE OF RIGHT											
Note: If you delivered water to a storage facility, enter the amounts on a UWS - Schedule.					TOTAL ACRE-FEET DELIVERED	9 GW PART 4.D.3	10 CAP PART 4.A.2	11 EFF PART 4.C.2	12 SRP	13 Other SW PART 4.B.2	14

EXCHANGE WATER GIVEN

15 EXCHANGE NO. RECEIVING WATER	16 DWR WELL NO. IF APPLICABLE		B ACRE-FEET EXCHANGED BY TYPE OF WATER					TOTAL ACRE-FEET EXCHANGED
			GW	CAP	EFF	SRP	Other SW	
TOTAL ACRE-FEET EXCHANGED			18 TOT. GW PART 4.D.3	19 TOT. CAP PART 4.A.2	20 TOT. EFF PART 4.C.2	21 TOT. SRP	22 TOT. O. SW PART 4.B.2	23
ENTER BOX 24 IN PART II OF THE SUMMARY PAGE							TOTAL ACRE-FEET DELIVERED AND EXCHANGED	24

Data to use for Schedule AWS

SCHEDULE E Part A -- All Users

ARIZONA DEPARTMENT OF WATER RESOURCES

Do not include any water sent directly to a storage facility on a municipal provider's behalf in Part A. Report water sent directly to storage facility on Part B.

WATER RECEIVED FROM OTHER SOURCES

Owner

City of XYZ

RIGHT/PERMIT/BMP Farm Unit NO.

ANNUAL REPORT 2009

Part I -- Water Received from Primary Irrigation Districts / Municipal Providers

Irrigation District /Provider Number	<input type="text"/>	Your District User/ Account Number	<input type="text"/>
Provider/District Name	<input type="text"/>	Number of acres eligible to receive surface water	<input type="text"/>

Water Storage Permit if applicable (enter 73-XXXXXX.XXXX)	Measurement Method	Acre-feet Received by Water Type								Total Received
		Groundwater	In-lieu Groundwater	Decreed/ Appropri-ative	Normal Flow	Spillwater	CAP	Other	(Describe Other water)	
									PART 4.C.1	EFFLUENT
									PART 4.B.1	SURF WATER
Part I Total Acre-feet Received		PART 4.D.2		PART 4.B.1	PART 4.B.1	PART 4.B.1				

Part II -- Water Received or Diverted from Sources Other Than Irrigation Districts / Municipal Providers

Right / Permit Number Supplying Water	Measurement Method	Acre-feet Received by Water Type								Total Received
		Groundwater	Decreed/ Appropri-ative	Normal Flow	Spillwater	CAP	Other	(Describe Other water)		
									PART 4.C.1	EFFLUENT
									PART 4.B.1	SURF WATER
Part II Total Acre-feet Received		PART 4.D.2		PART 4.B.1	PART 4.B.1	PART 4.B.1	PART 4.A.1			

PART III - Water Received Pursuant to a Permitted or Enrolled Exchange Agreement

Exchange No. Supplying Water	Measurement Method	Exchange outside service area?	Payback for			Acre-feet Received in Exchange by Water Type					Total Received
			Quantity	Type	Year Given	GW	SRP	CAP	Effluent	Other SW	
67-											
67-											
67-											
Part III Total Acre-feet Received in Exchange						PART 4.D.2	PART 4.B.1	PART 4.A.1	PART 4.C.1	PART 4.B.1	

Sch. E Part A Total acre-feet of Water Received or Diverted from Other Sources (Part I + Part II + Part III)
Enter Total on Part III of the Summary Page Part III

Data to use for Schedule AWS

SCHEDULE F-1 PART 3

MUNICIPAL PROVIDER DIRECT USE EFFLUENT

ANNUAL REPORT 2009

ARIZONA DEPARTMENT OF WATER RESOURCES

PROVIDER NAME

1

RIGHT/PERMIT NO.

Pursuant to the Third Management Plan, municipal water providers are required to supply the following information. Report the amount of effluent produced, received, delivered, reused, recharged or discharged in your service area in calendar year 2009. List effluent production for each plant in your service area separately.

Part A. Effluent Produced in Service Area in Acre-Feet					
Month	Treatment Plant/Entity 2				TOTAL ACRE-FEET 3
	Jan				
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
Total				PART 4.C.1	

Part B. Effluent Delivered / Reused in Service Area in Acre-Feet					
Month	Delivered to: 4				TOTAL ACRE-FEET 5
	Turf Facilities	Govt	Other		
Jan					
Feb					
Mar					
Apr					
May					
Jun					
Jul					
Aug					
Sep					
Oct					
Nov					
Dec					
Total					

Part C. Total amount of effluent recharged as reported on the recharge annual report form 6

Part D. Total amount of effluent discharged (not recharged, delivered, or reused) 7

Please contact your local Active Management Area if you need assistance completing this form.

PHOENIX AMA (602) 771-8585 PINAL AMA (520) 836-4857 SANTA CRUZ AMA (520) 761-1814
PRESCOTT AMA (928) 778-7202 TUCSON AMA (520) 770-3800

Data to use for Schedule AWS

RW - SCHEDULE 74

REPORT OF RECOVERED WATER

ANNUAL REPORT 2009

PERMIT HOLDER

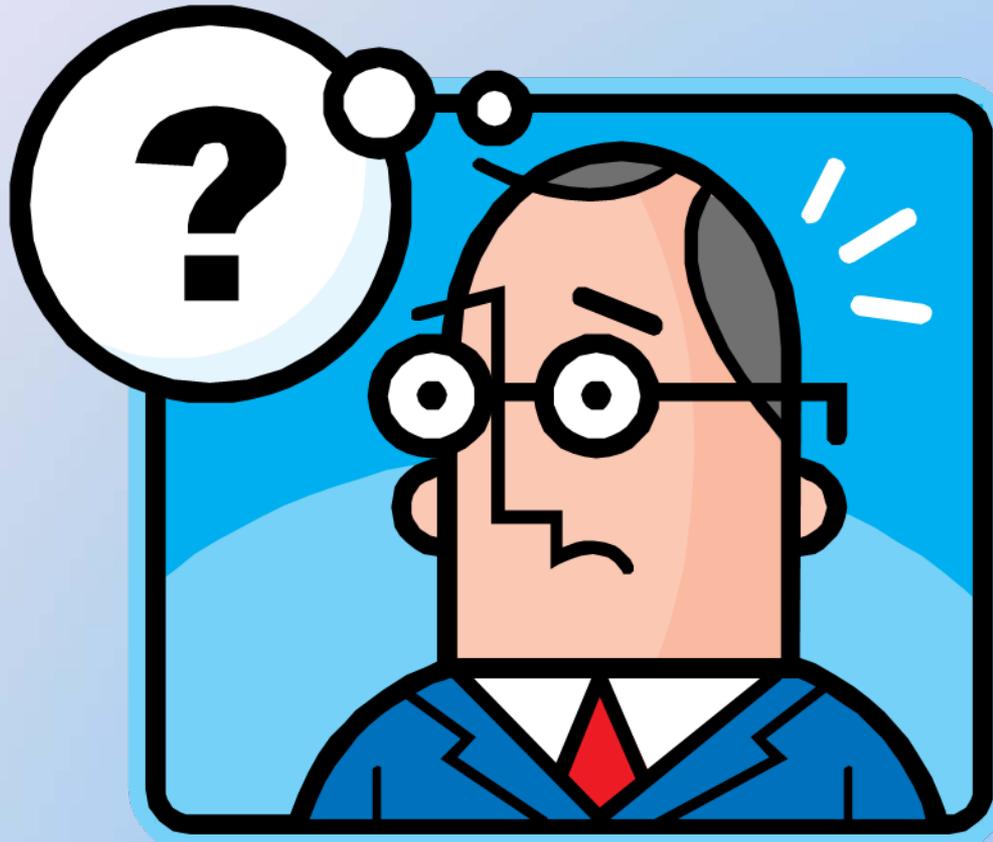
PERMIT NUMBER

LONG TERM STORAGE ACCOUNT NUMBER

City of XYZ

WATER RECOVERED

1 DWR WELL NO.	2 WATER STORAGE PERMIT NO. (73-)	3 STORAGE FACILITY [USF OR GSF]	4 MULTIPLE USE WELL [YES OR NO]	5 RECOVERED WITHIN 1 MILE OF FACILITY [YES OR NO]	6 ANNUAL RECOVERY VOLUME OF WATER RECOVERED (ACRE-FEET)					7 LONG-TERM STORAGE RECOVERY VOLUME OF WATER RECOVERED (ACRE-FEET)			8 TOTAL VOLUME RECOVERED (ACRE-FEET)		
					CAP	SW	SPILL	EFF	PLAN 6	CAP	EFF	PLAN 6			
9 TOTALS:															12
					10 TOTAL ANNUAL RECOVERY					11 TOTAL LTSC RECOVERY					
					PART 5.A.3					PART 5.A.2					



Questions?