

VI. Effluent Generation and Use in the Tucson Active Management Area (TAMA) (Continued)

Tucson AMA  
Annual Effluent Utilization

Entities with Effluent	2013 Effluent Generation & Use in the Tucson AMA (values in acre-feet)												2013 Effluent Recharge Balance Activity				
	Net Effluent	Off Channel Recharge and Direct Reuse	Off Channel Recharge (Constructed USF or GSF)				In Channel Recharge						Off Channel Recharge (Constructed USF or GSF)		In Channel Recharge		
			Delivered to Off-Channel Recharge	Calculated Evaporation (ET loss)	Cut to the Aquifer	Annual Recovery	Delivered to In-Channel Recharge	Share of Down-stream Diversions <sup>2</sup>	Calculated Evaporation (ET loss)	Cut to the Aquifer	Outflow at Trico Rd Gage	Annual Recovery	Long-Term Credits Earned/ Reported	Long-term Credits Recovered	Long-Term Credits Earned/ Reported	Long-term Credits Recovered	
<b>PC Metropolitan WRFs</b>																	
Secretary of the Interior <sup>1</sup>	28,200.0						9,467.5				4,733.7	18,732.5					4,733.7
Conservation Effluent Pool																	
Pima County <sup>3</sup>	3,237.3	1,793.8	514.4	14.1			608.5	156.9	89.4	181.1	835.0			500.3			181.1
City of Tucson <sup>1,4</sup>	24,426.0	10,175.8	4,360.8	27.8		3,258.9	7,095.0	1,344.3	1,304.9	2,222.4	7,156.2	669.9	1,074.1			1,553.4	746.7
Oro Valley	1,949.6	1,949.6															
Metro Water	2,148.3						905.6	233.4	133.0	269.6	1,242.7						269.6
Flowing Wells	565.5	9.8					234.3	60.4	34.4	69.7	321.5						69.7
Spanish Trail	45.8						19.3	5.0	2.8	5.8	26.5						5.8
<b>Subtotal</b>	<b>60,572.5</b>	<b>13,929.0</b>	<b>4,875.2</b>	<b>41.9</b>		<b>3,258.9</b>	<b>18,330.2</b>	<b>1,800.0</b>	<b>1,564.6</b>	<b>7,482.3</b>	<b>28,314.3</b>	<b>669.9</b>	<b>1,574.4</b>			<b>6,813.4</b>	<b>746.7</b>
<b>PC Non-Metro WRFs</b>	<b>3,780.0</b>	<b>283.9</b>	<b>283.8</b>	<b>2.5</b>									<b>281.2</b>				
<b>Other Facilities</b>																	
Marana WRF	263.5																
Milagro	1.9	1.9															
Marana - Rillito Vista <sup>5</sup>	2.7																
Robson Ranch Quail Creek <sup>6</sup>	1,279.9	1,279.9	1,279.9	6.4									1,273.5				
Saddlebrooke/Saddlebrooke Ranch	505.5	505.5													458.0		
Sahaurita	793.4	537.3	537.3	21.7													
U of A Tech Park <sup>7</sup>	120.4	120.4															
<b>Effluent Total</b>	<b>67,319.7</b>	<b>16,657.8</b>	<b>6,976.1</b>	<b>72.5</b>		<b>3,258.9</b>	<b>18,330.2</b>	<b>1,800.0</b>	<b>1,564.6</b>	<b>7,482.3</b>	<b>28,314.3</b>	<b>669.9</b>	<b>3,129.1</b>	<b>458.0</b>	<b>6,813.4</b>	<b>746.7</b>	

Data from Entities with Effluent Entitlements, ADWR or ADEQ records.

<sup>1</sup> In-channel recharge data include credits from both SCRMUSF + LSCMRP.

<sup>2</sup> Diversion of effluent off-channel is for agricultural use, which also counts as reuse.

<sup>3</sup> Off channel recharge and direct reuse data for Pima County include direct reuse of 1,279.4 af plus 514.4 af directed to constructed recharge.

<sup>4</sup> Off channel recharge and direct reuse data for City of Tucson include direct reuse of 5815.0 af plus 4360.8 af directed to constructed recharge.

<sup>5</sup> Town of Marana data for Rillito Vista is from 7-1-13 thru end of year. First half of year is included in PC Non-Metro.

<sup>6</sup> Total delivery is the volume reported to ADWR for 2013, but ET and credits earned are estimated based on 2012 % ET loss.

<sup>7</sup> Reporting period for this facility is Apr 2012 to May 2013.

Summary Table		
	AF	% of Total
<b>Effluent Available</b>	<b>67,319.7</b>	<b>100</b>
<b>Direct Reuse &amp; Annual Recovery</b>	<b>15,410.5</b>	<b>22.9</b>
<b>Net Added Long Term Credits</b>	<b>8,737.7</b>	<b>13.0</b>
<b>ET Losses from Recharge</b>	<b>1,637.0</b>	<b>2.4</b>
<b>Left Tucson AMA (@ Trico Rd)</b>	<b>28,314.3</b>	<b>42.1</b>
<b>Effluent Balance</b>	<b>13,220.1</b>	<b>19.6</b>