AWU Water Loss Calculation	FY 08	FY 09	FY 10		FY 11		FY 12		FY13		2014			
WATER UTILITY GENERAL INFORMATION Water Utility Name:	Austin Water Utility	Austin Water Utility	Austin Water Utility		Austin Water Utility	Δι	ustin Water Utility	۵	ustin Water Utility		Austin Water Utility			
water ouncy name.	Austin water othey	Austin Water Otinty	Austin Water Otinty	,	Austin Water Otinty			-	ustin water othey		Austin Water Otinty			
	October 1, 2007 to	October 1, 2008 to	October 1, 2009 to	C	October 1, 2010 to	0	October 1, 2011 to		October 1, 2012 to		January 1, 2014 to			
Reporting Period:	September 30, 2008	September 30, 2009	September 30, 2010	9	September 30, 2011		eptember 30, 2012	S	eptember 30, 2013		December 31, 2014			
Retail Population	799,844	828,628	842,055		855,699		855,869		874406		896,363			
SYSTEM INPUT VOLUME														
Water Volume from own Sources	53,070,779,000	53,328,130,000	43,786,936,000		52,834,738,000		47,137,782,000		45,927,345,000		44,589,633,317	gals		
Production Meter Accuracy (%)	98.00%	98.00%	98.00%		98.00%		98.00%		98.00%		100.00%	pct.		
Corrected System Input Volume	54,153,856,122	54,416,459,184	44,680,546,939		53,912,997,959		48,099,777,551		46,864,637,755		44,589,633,317	gals		
Wholesale Import Volumes	0	0	0		0		71,845,000		88,098,000		1,876,000			
Wholesale Export Volumes	54 452 056 422	F			52 042 007 050		10 171 000 551		46 050 705 755		2,579,530,487			
Total System Input Volume	54,153,856,122	54,416,459,184	44,680,546,939		53,912,997,959		48,171,622,551		46,952,735,755		42,011,978,830			
AUTHORIZED CONSUMPTION														
Billed Metered	46,992,258,000 86.78%	48,184,480,800	88.55% 39,367,872,000	88.11%	48,165,313,300	89.34%	43,970,260,087	91.28%	41,793,546,138	89.01%	36,171,058,100	86.10% gals		
Billed Unmetered	248,297,495 0.46%	143,796,498	0.26% 311,433,912	0.70%	187,897,505	0.35%	3,310,877	0.01%	4,265,828	0.01%	3,339,880	0.01% gals		
Unbilled Metered (amount used at AWU buildings/facilities)	174,946,000 0.32%	70,089,600	0.13% 90,416,900	0.20%	70,478,800	0.13%	55,684,700	0.12%	56,241,600	0.12%	52,411,165	-		
Unbilled Unmetered (amount used by other city Departments)	120,495,964 0.22%	,,	0.25% 191,471,429	0.43%	94,727,346		73,059,820	0.15%	69,148,969	0.15%	148,700,040	-		
Total Authorized Consumption	47,535,997,459 87.78%	48,533,803,728	89.19% 39,961,194,241	89.44%	48,518,416,951	89.99%	44,102,315,484	91.55%	41,923,202,535	89.29%	36,375,509,185	86.58% gals		
Water Losses														
(System input volume minus authorized consumption)	6,617,858,663 12.22%	5,882,655,456	10.81% 4,719,352,698	10.56%	5,394,581,008	10.01%	4,069,307,067	8.45%	5,029,533,220	10.71%	5,636,469,645	13.42% gals		
Total Apparent Losses	2,013,538,512 3.72%	1,212,885,736	2.23% 1,007,978,198	2.26%	1,062,369,523	1.97%	1,063,431,734	2.21%	1,006,723,469	2.14%	874,352,211	2.08% gals		
Total Real Losses	4,604,320,151 8.50%	4,669,769,719	8.58% 3,711,374,500	8.31%	4,332,211,485	8.04%	3,005,875,333	6.24%	4,022,809,751	8.57%	4,762,117,435	-		
Unavoidable Real Losses, in Million Gallons per Day	3,866,612 2.61%	3,935,866	2.64% 3,967,109	3.24%	3,982,260	2.70%	4,007,127	3.04%	4,054,298	3.15%	4,116,792	3.58% MGD		
Infrastructure Leakage Index (Equals real loss volume (div by 365) divided by unavoidable real losses)	3.262	3.251	2.563		2.980		2.055		2.718		3.169			
(	0.202	0.202	2.000		2.500		2.033		2.710	_	3.105			
Retail Price of Water	\$3.38	\$3.38	\$3.91		\$4.12		\$4.40		\$4.53		\$5.60	Cost pe	r 1,000 gal	
Cost of Apparent Losses	\$6,805,760	\$4,099,554	\$3,941,195		\$4,376,962		\$4,667,768		\$4,560,457		\$4,896,372			
Variable Production Cost of Water*	\$0.35	\$0.38	\$0.34		\$0.33		\$0.39		\$0.41		\$0.40	Cost pe	r 1,000 gal	
Cost of Real Losses	\$1,611,512	\$1,774,512	\$1,265,579		\$1,429,630		\$1,173,296		\$1,662,145		\$1,914,371			
Total Cost Impact of Apparent and Real Losses	\$8,417,272	\$5,874,066	\$5,206,773		\$5,806,592		\$5,841,063		\$6,222,602		\$6,810,744			
SAVINGS FROM REDUCING ILI FROM FY08 LEVEL														
Real Water Loss at FY08 ILI	4,604,320,151	4,686,785,955	4,723,989,916		4,742,031,965		4,771,643,318		4,827,814,033		4,902,231,210		Cumulative savings	
Actual real water loss	4,604,320,151	4,669,769,719	3,711,374,500		4,332,211,485		3,005,875,333		4,022,809,751		4,762,117,435		<b>.</b>	
Savings in gal	0	17,016,236	1,012,615,416		409,820,480		1,765,767,985		805,004,282		140,113,775		3,205,220,117	gal
Savings in AF	0	52.22	3,107.60		1,257.69		5,418.94		2,470.47		429.99			AF
Savings in \$	0	\$6,466.17	\$345,301.86		\$135,240.76		\$688,649.51		\$330,051.76		\$56,325.74		\$1,175,658.30	
TWDB reliability assessment score	<b>65</b>	65	66		69		69		67.5		70			
(measure of the reliability of the data used for the audit. TWDB recomm	ends a score of 70 or greater for mai	cure water loss control prog	rams.)											
													5 year average	
Water loss GPCD		19.45	15.35		17.27		13.03		15.76		17.23		16.17	