P.O. BOX 13231, CAPITOL STATION AUSTIN, TX 78711-3231

2014 Water Audit Report

A. Water Utility General Information

1. Water Utility Name:	City of Austin W	ater & Wastewater				
Contact: 2a. Name 2b. Telephone #	Dan Strub (512) 972-0349					
2c. Email Address	dan.strub@austi	ntexas.gov				
3. Reporting Period:		From	1/1/2014	То	12/3	31/2014
4. Source Water Utilizat	tion, percentage:	Surface Water _	100	% Ground Wate	r	0 %
5. Population Served:						
5a. Retail Populatio	n Served			896,363		
5b. Wholesale Pop	ulation Served			54,966	As	ssessment Scale
6. Utility's Length of Ma	in Lines, miles			3,793.00		5
7. Number of Wholesald	e Connections Ser	ved		50		
8. Total Retail Metered	Connections			218,198		
Service Connection I (Number of retail service)	•	miles of main lines)		57.53		
10. Average Yearly Sys	tem Operating Pre	ssure (psi)		77.3		5
11. Volume Units of Me	asure:			Gallons		
B. System Input Volume	•					
			_	29,148,336,469	gallons	
12. Produced Water						4
13. Production Meter Ad	ccuracy (enter per	centage)	_	100.00	%	
						4
14 Corrected Input Val	umo			29,148,336,469	gallons	
14. Corrected Input Vol	ume		_	15,443,172,848	gallons	

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15. Total Water Purchased			4
	2,579,530,487	gallons	
16. Total Wholesale Water Sales	2,010,000,401	i	5
	42,011,978,830	gallons	
17. Total System Input Volume	12,011,070,000	•	
(Corrected input volume, plus imported water, minus exported wa	ater)		
		As	ssessment
C. Authorized Consumption			Scale
18. Billed Metered			
10. Billiod Motored	36,171,058,100		3
		gallons	
			4
19. Billed Unmetered	3,339,880		
		gallons	
20. Unbilled Metered		gallong	
20. Offibilied ivietered	52,411,165	gallons	2
Od Habilla d Harractors d	148,700,040		
21. Unbilled Unmetered		gallons	4
22. Total Authorized Consumption	36,375,509,185		
22. Total Authorized Consumption	30,373,303,103	gallons	
D. Weter Leaves			
D. Water Losses 23. Water Losses	5,636,469,645	_	
(Line 17 minus Line 22)		gallons	
E. Apparent Losses		0.4	
	97.90	%	3
24. Average Customer Meter Accuracy (Enter percentage)		•	
	775,885,822	gallons	
25. Customer Meter Accuracy Loss			
		م ماام	
		gallon	

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26. Systematic Data Handling Discrepancy			4
-	0	·	
27. Unauthorized Consumption		gallon	4
27. Ondulion26d Consumption	105 020 047	S	
-	105,029,947		
28. Total Apparent Losses			
-	880,915,769	gallons	
E Built			
F. Real Losses	34,257,090	gallon s	5
29. Reported Breaks and Leaks (Estimated volume of leaks & breaks repaired during the audit period	od)		
(Estimated voiding of loaks a broaks repaired during the addit pent	54)		
_	4,721,296,786	gallon	3
30. Unreported Loss (Includes all unknown water loss)		S	
(molados dil dilitilo in mater 1999)	4.755.550.070	gallon	
31. Total Real Losses	4,755,553,876	S	
(Line 29, plus Line 30)			
22 Water Lesses (Apparent L Real)	5,636,469,645	gallons	
32. Water Losses (Apparent + Real) (Line 28 plus Line 31) = Line 23			
_	5,837,580,850	gallon s	
33. Non-revenue Water (Water Losses + Unbilled Authorized Consumption)			
(Line 32, plus Line 20, plus Line 21)			
G. Technical Performance Indicator for Apparent Loss	11	gallon	
34. Apparent Losses Normalized		J	
(Apparent Loss Volume / # of Retail Service Connections/365)			
H. Technical Performance Indicators for Real Loss		gallon s	
<u>-</u>	4,755,553,876	5	
35. Real Loss Volume (Line 31)			

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		1,501,347,153	gallon	
26 Unavoidable A	annual Real League valume (coloulated)		S	
36. Unavoldable A	nnual Real Losses, volume (calculated)			
07 1. (()	Local control of the Araba Lata N	3.16750		
	Leakage Index (calculated) oss volume divided by unavoidable annual real losse	ne)		
(Equals real ic	volume divided by unavoidable annual real losse	,3)		
38. Real Losses N	Iormalized	60 :	9 S	
(Real Loss Vo	olume / # of Service Connections / 365)			
*	applies if service connection density or equal to 32 / mile)			
			gallon	
20. Deall asses N	la una alima al	0	S	
39. Real Losses N	ormalized olume/Miles of Main Lines/365)			
,	r applies if service connection density			
is less than 32	• • •			Assessment Scale
I. Financial Perform	nance Indicators		gallon	
i. i maneiai i cirom	nance indicators	880,915,769	-	
40. Total Apparent	t Losses (Line 28)	#0.00500		
41. Retail Price of	Water	\$0.00560		5
		\$4,933,128.31		
42. Cost of Appare	ent Losses s volume multiplied by retail cost of water,			
Line 40 x Line	· · ·			
40. Tatal Basilias	(1)	4,755,553,875.56		
43. Total Real Los	ses (Line 31)	\$0.00040		
44. Variable Produ	uction Cost of Water*			4
•	e of water shortage, real losses might be valued at of water instead of the variable production cost.)			
45. Cost of Real L	osses	\$1,911,732.66		
(Real Loss mu Line 43 x Line	ultiplied by variable production cost of water, 44)			
46. Total Assessi	ment Scale			68
47. Total Cost Im	pact of Apparent and Real Losses	\$6,844,860.97		
48. Comments	Since system input volume is no longer water pro- instead, raw water withdrawn from sources, the p 100% to conform with raw water withdrawals, and included in unbilled unmetered water total.	roduction meter accu	racy is	s set to

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	%
49. Total Water Loss %	13.42
50. GPCD (Gallons Per Capita Per Day) Input	128.41
51. GPCD (Gallons Per Capita Per Day) Loss	17.23

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