

**TEXAS WATER DEVELOPMENT BOARD**

P.O. BOX 13231, CAPITOL STATION

AUSTIN, TX 78711-3231

**2014 Water Audit Report****A. Water Utility General Information**

1. Water Utility Name: River Place MUD

2. Contact:

2a. Name Dan Strub

2b. Telephone # (512) 972-0349

2c. Email Address dan.strub@austintexas.gov

3. Reporting Period: From 1/1/2014 To 12/31/2014

4. Source Water Utilization, percentage: Surface Water 100 % Ground Water 0 %

5. Population Served:

5a. Retail Population Served 2,857

5b. Wholesale Population Served 0

6. Utility's Length of Main Lines, miles 19.09

7. Number of Wholesale Connections Served 1

8. Total Retail Metered Connections 987

9. Service Connection Density 51.70  
(Number of retail service connections / miles of main lines)

10. Average Yearly System Operating Pressure (psi) 55

11. Volume Units of Measure: Gallons

Assessment Scale 0

**B. System Input Volume**

58,740,000 gallons

12. Produced Water 0

13. Production Meter Accuracy (enter percentage) 100.00 %

0

58,740,000 gallons

14. Corrected Input Volume

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	gallons	
	<u>249,455,000</u>	
15. Total Water Purchased		<u>0</u>
	gallons	
	<u>95,990,000</u>	
16. Total Wholesale Water Sales		<u>0</u>
	gallons	
	<u>212,205,000</u>	
<b>17. Total System Input Volume</b>		
(Corrected input volume, plus imported water, minus exported water)		

Assessment  
Scale**C. Authorized Consumption**

18. Billed Metered	<u>182,189,200</u>	gallons	<u>0</u>
	<u>0</u>	gallons	<u>0</u>
19. Billed Unmetered			
20. Unbilled Metered	<u>0</u>	gallons	<u>0</u>
	<u>4,646,000</u>		
21. Unbilled Unmetered		gallons	<u>0</u>
<b>22. Total Authorized Consumption</b>	<u>186,835,200</u>	gallons	

**D. Water Losses**

<b>23. Water Losses</b>	<u>25,369,800</u>	gallons
(Line 17 minus Line 22)		

**E. Apparent Losses**

	%	
	<u>98.00</u>	<u>0</u>
24. Average Customer Meter Accuracy (Enter percentage)		
	<u>3,718,147</u>	gallons
25. Customer Meter Accuracy Loss		

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26. Systematic Data Handling Discrepancy	0	gallon	0
27. Unauthorized Consumption	530,513	gallons	0
28. Total Apparent Losses	4,248,659	gallons	
F. Real Losses	0	gallons	0
29. Reported Breaks and Leaks (Estimated volume of leaks & breaks repaired during the audit period)	21,121,141	gallons	0
30. Unreported Loss (Includes all unknown water loss)	21,121,141	gallons	
31. Total Real Losses (Line 29, plus Line 30)	25,369,800	gallons	
32. Water Losses (Apparent + Real) (Line 28 plus Line 31) = Line 23	30,015,800	gallons	
33. Non-revenue Water (Water Losses + Unbilled Authorized Consumption) (Line 32, plus Line 20, plus Line 21)			
G. Technical Performance Indicator for Apparent Loss	12	gallons	
34. Apparent Losses Normalized (Apparent Loss Volume / # of Retail Service Connections/365)			
H. Technical Performance Indicators for Real Loss	21,121,141	gallons	

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35. Real Loss Volume (Line 31)

0 gallon  
s

36. Unavoidable Annual Real Losses, volume (calculated)

0.00000

37. Infrastructure Leakage Index (calculated)

(Equals real loss volume divided by unavoidable annual real losses)

38. Real Losses Normalized

59 s

(Real Loss Volume / # of Service Connections / 365)

(This indicator applies if service connection density is greater than or equal to 32 / mile)

0 gallon  
s

39. Real Losses Normalized

(Real Loss Volume/Miles of Main Lines/365)

(This indicator applies if service connection density is less than 32/mile)

Assessment  
Scale

**I. Financial Performance Indicators**

4,248,659 gallon  
s

40. Total Apparent Losses (Line 28)

\$0.00560

41. Retail Price of Water

\$23,792.49

42. Cost of Apparent Losses

(Apparent loss volume multiplied by retail cost of water, Line 40 x Line 41)

21,121,140.56

43. Total Real Losses (Line 31)

\$0.00040

44. Variable Production Cost of Water\*

(\*Note: in case of water shortage, real losses might be valued at the retail price of water instead of the variable production cost.)

0

45. Cost of Real Losses

(Real Loss multiplied by variable production cost of water, Line 43 x Line 44)

\$8,490.70

**46. Total Assessment Scale**

0

**47. Total Cost Impact of Apparent and Real Losses**

\$32,283.19

**48. Comments**

Austin Water assumed operation of the system on October 1, 2014. Retail Price and Variable Production Cost of Water reflect costs after Austin Water assumed

**49. Total Water Loss %**

11.96 %

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<b>50. GPCD (Gallons Per Capita Per Day) Input</b>	<b>203.49</b>
<b>51. GPCD (Gallons Per Capita Per Day) Loss</b>	<b>24.33</b>