

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: LCRA Glenlake WSC Interconnect Riverplac

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 1,183

5b. Wholesale Population Served 0 Assessment Scale

6. Utility's Length of Main Lines, miles 11.32 5

7. Number of Wholesale Connections Served 0

8. Total Retail Metered Connections 395

9. Service Connection Density 34.89
(Number of retail service connections / miles of main lines)

10. Average Yearly System Operating Pressure (psi) 55 0

11. Volume Units of Measure: Gallons

B. System Input Volume

0 gallons

12. Produced Water 5

13. Production Meter Accuracy (enter percentage) 100.00 %

4 gallons

14. Corrected Input Volume 0 gallons

95,990,000 gallons

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15. Total Water Purchased	gallons	<u>4</u>
	0	
16. Total Wholesale Water Sales		<u>5</u>
	gallons	
	<u>95,990,000</u>	
17. Total System Input Volume		
(Corrected input volume, plus imported water, minus exported water)		

Assessment
Scale

C. Authorized Consumption

18. Billed Metered	gallons	<u>3</u>
	<u>79,117,300</u>	
19. Billed Unmetered	gallons	<u>4</u>
	0	
20. Unbilled Metered	gallons	<u>2</u>
	0	
21. Unbilled Unmetered	gallons	<u>4</u>
	<u>1,837,905</u>	
22. Total Authorized Consumption	gallons	
	<u>80,955,205</u>	

D. Water Losses

23. Water Losses	gallons	
(Line 17 minus Line 22)	<u>15,034,795</u>	

E. Apparent Losses

	%	<u>3</u>
	<u>98.00</u>	
24. Average Customer Meter Accuracy (Enter percentage)		
	<u>1,614,639</u> gallons	
25. Customer Meter Accuracy Loss		
	gallon	

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26. Systematic Data Handling Discrepancy	<u>0</u>	<u>4</u>
27. Unauthorized Consumption	239,975	gallon s <u>4</u>
28. Total Apparent Losses	<u>1,854,614</u>	gallons
F. Real Losses	<u>0</u>	gallon s <u>5</u>
29. Reported Breaks and Leaks (Estimated volume of leaks & breaks repaired during the audit period)		
30. Unreported Loss (Includes all unknown water loss)	<u>13,180,181</u>	gallon s <u>3</u>
31. Total Real Losses (Line 29, plus Line 30)	<u>13,180,181</u>	gallon s
32. Water Losses (Apparent + Real) (Line 28 plus Line 31) = Line 23	<u>15,034,795</u>	gallons
33. Non-revenue Water (Water Losses + Unbilled Authorized Consumption) (Line 32, plus Line 20, plus Line 21)	<u>16,872,700</u>	gallon s
G. Technical Performance Indicator for Apparent Loss	<u>13</u>	gallon s
34. Apparent Losses Normalized (Apparent Loss Volume / # of Retail Service Connections/365)		
H. Technical Performance Indicators for Real Loss	<u>13,180,181</u>	gallon s
35. Real Loss Volume (Line 31)	<u>0</u>	gallon

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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)

gallon

38. Real Losses Normalized

91 s

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

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

gallon

39. Real Losses Normalized

0 s

(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

gallon

40. Total Apparent Losses (Line 28)

1,854,614 s

\$0.00560

41. Retail Price of Water

\$10,385.84

5

42. Cost of Apparent Losses

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

13,180,181.22

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.)

4

45. Cost of Real Losses

\$5,298.43

(Real Loss multiplied by variable production cost of water,

46. Total Assessment Scale

64

47. Total Cost Impact of Apparent and Real Losses

\$15,684.27

48. Comments

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	%
49. Total Water Loss %	<u>15.66</u>
50. GPCD (Gallons Per Capita Per Day) Input	<u>222.30</u>
51. GPCD (Gallons Per Capita Per Day) Loss	<u>34.82</u>