

**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

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

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

11. Volume Units of Measure: Gallons

Assessment Scale 5

**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

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15. Total Water Purchased \_\_\_\_\_ gallons \_\_\_\_\_ 4  
0

16. Total Wholesale Water Sales \_\_\_\_\_ 5  
gallons  
95,990,000

17. Total System Input Volume

(Corrected input volume, plus imported water, minus exported water)

Assessment  
Scale

C. Authorized Consumption

18. Billed Metered \_\_\_\_\_ 3  
79,117,300 gallons

19. Billed Unmetered \_\_\_\_\_ 4  
0 gallons

20. Unbilled Metered \_\_\_\_\_ 2  
0 gallons

21. Unbilled Unmetered \_\_\_\_\_ 4  
1,837,905 gallons

22. Total Authorized Consumption \_\_\_\_\_ gallons  
80,955,205

D. Water Losses

23. Water Losses

(Line 17 minus Line 22)

15,034,795 gallons

E. Apparent Losses

98.00 % \_\_\_\_\_ 3

24. Average Customer Meter Accuracy (Enter percentage)

1,614,639 gallons

25. Customer Meter Accuracy Loss

gallon

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26. Systematic Data Handling Discrepancy 0 4

27. Unauthorized Consumption 239,975 gallons 4

**28. Total Apparent Losses** 1,854,614 gallons

**F. Real Losses** 0 gallons 5

29. Reported Breaks and Leaks  
(Estimated volume of leaks & breaks repaired during the audit period)

30. Unreported Loss 13,180,181 gallons 3  
(Includes all unknown water loss)

**31. Total Real Losses** 13,180,181 gallons  
(Line 29, plus Line 30)

32. Water Losses (Apparent + Real) 15,034,795 gallons  
(Line 28 plus Line 31) = Line 23

33. Non-revenue Water 16,872,700 gallons  
(Water Losses + Unbilled Authorized Consumption)  
(Line 32, plus Line 20, plus Line 21)

**G. Technical Performance Indicator for Apparent Loss** 13 gallons

34. Apparent Losses Normalized  
(Apparent Loss Volume / # of Retail Service Connections/365)

**H. Technical Performance Indicators for Real Loss** 13,180,181 gallons

35. Real Loss Volume (Line 31) 0 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

0 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**

gallon

1,854,614 s

40. Total Apparent Losses (Line 28)

\$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>	