CAVANAUGH
Stewardship Through Innovation

AWWA 2017 Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Rio Vista PWS ID: CA4810004

System Type: Potable Audit Period: Calendar Year 2017

Utility Representation: Greg Malcolm

Validation Date: 9/6/2018 Call Time: 12:00pm Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 58 Data Validity Band (Level): Band III (51-70)

ILI: 1.68 Real Loss: 22.09 (gal/conn/day) Apparent Loss: 5.78 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 3.8%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Drew Blackwell Validator Qualifications: Contractor for California Water Loss TAP

2017 AWWA Water Audit Level 1 Validation

Water System Name: **Water System ID Number:** **Water Audit Period:**

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

The City of Rio Vista has completed phase 1 of a 2-phase meter replacement project. Phase 2 is scheduled to begin the summer of 2019. This along with water meter calibration at the water source will help determine and reduce water loss. Rio Vista is also systemically replacing aged infrastructure through its yearly CIP program. This will improve water quality, delivery and monitoring.

Utility Provided

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Greg Malcolm	PW Superintendent	Greg Malcolm	11/15/18
Executive Name (Print)	Executive Position	Signature	Date