American Water Works Association
California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Validator Provided

Audit Information:

Utility: Sonoma PWS ID: 4910012

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Mike Brett

Validation Date: 5/24/2017 Call Time: 9am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 67 Data Validity Band (Level): Band III (51-70)

ILI: 1.05 Real Loss: 16.17 (gal/conn/day) Apparent Loss: 5.07 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 0.3%

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: Reinhard Sturm / Brett Snider (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

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Water System Name: City of Sonoma **Water System ID Number:** 4910012 **Water Audit Period:** Calendar 2016

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:

In 2016, City water staff performed leak detection, large meter testing, detailed flushing logs and continued editing of GIS mapping of water system. The master meter on the supply line to the City of Sonoma water distribution system was replaced by two new meters at the outlet side of the Sonoma County Water Agency storage tanks, providing greater accuracy of data regarding water supplied to the City system.

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.

Executive Name (Print)	Executive Position	Signature	Date
J. Colleen Ferguson	Director of Public Works	J. Colleen Ferguson	9/25/2017

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