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: Bellflower-Somerset Mutual Water company PWS ID: 1910019

System Type: Potable Audit Period: Calendar 2018

Utility Representation: Steve Lenton (General manager)

Validation Date: 6/7/2019 Call Time: 10am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 69 Data Validity Band (Level): Band III (51-70)

ILI: 1.47 Real Loss: 16.52 (gal/conn/day) Apparent Loss: 0.61 (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: Tanmay Thakur Validator Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Utility Provided

Water Supplier Name: Bellflower-Somerset Mutual Water company **Water Supplier ID Number:** 1910040 **Water Audit Period:** Calendar 2018

Water Audit & Water Loss Improvement Steps:

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

1. Production meter testing was done bi-annually. Accuracy testing results were also reviewed bi-annually for any data correction.
2. Limited customer meter replacements were conducted based on complaints. Meter accuracy results were provided based on 1% of meter population.
3. Remote pressure transducers were installed in the district for leak alerts and trending on GIS software.
4. GIS systems is now more frequently updated.
5. Average pressure is now calculated based on SCADA , HM and 4 remote monitoring IoT Pressure devices.
6. Improved documentation and review for the retail customer unit cost based on the TIER systems.

   To increase the accuracy of reported apparent water loss more customer meter testing reports with varying size and age will be included. Inaccuracy numbers will be documented based on volumetric testing.

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 Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)	Executive Position	Signature	Date
Steve Lenton	General manager		9-7-2021