CAVANAUGH
Stewardship Through Innovation

2017 AWWA Water Audit Level 1 Validation - Review Document

Validator Provided

Audit Information:

Utility: California-American Water Company LA-San Marino Hills District PWS ID: 1910139

System Type: Potable Audit Period: Calendar 2017

Utility Representation: Patrick Pilz (Field Operations Manager)

Validation Date: 7/6/2018 Call Time: 8:30am Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 65 Data Validity Band (Level): Band III (51-70)

ILI: 1.41 Real Loss: 22.83 (gal/conn/day) Apparent Loss: 8.36 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 4.1%

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: Los Angeles-San Marino System **Water System ID Number: 1910139** **Water Audit Period: CY2017**

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:

Production meters in Raymond Basin are tested annually; production meters in Main Basin are tested every other year. The Los Angeles County District is currently replacing all its direct read meters with AMR/AMI meters. Production meters are read weekly. In addition, 4 inch meters are tested every two years, 3 inch meters are tested every 3 years and 2 inch and 1.5 inch meters are tested every 4 years.

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.

Christopher Mattis	Director of Operations	Christopher J Mattis	7-30-18
Executive Name (Print)	Executive Position	Signature	Date