American Water Works Association
California-Nevada Section

CA-NV AWWA Water Loss Technical Assistance Program

Wave 4 Water Audit Level 1 Validation Document

Utility Provided

Water System Name: City of Poway **Water System ID Number:** CA3710015 **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:

Utility staff attended four technical trainings aimed at increasing the accuracy of the City of Poway's data validity score. Additionally, staff went through the data verification process to ensure that only potable water was included in the report, that adjustments were accurately reflective of data, and that unbilled unmetered data was accurately captured. Furthermore, the City went through the process of obtaining master meter calibration data for both imported water and exported water.

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.

Michael Obermiller	Director of Public Works		9/29/17
Executive Name (Print)	Executive Position	Signature	Date

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Validator Provided

Audit Information:

Utility: Poway PWS ID: 3710015

System Type: Potable Audit Period: Calendar 2016

Utility Representation: Alexander Heide, Mike Obermiller, Rudy Guzman

Validation Date: 9/6/2017 Call Time: 9 AM Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 68 Data Validity Band (Level): Band III (51-70)

ILI: 1.21 Real Loss: 33.87 (gal/conn/day) Apparent Loss: 20.81 (gal/conn/day)

Non-revenue water as percent of cost of operating system: 10%

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: Lucy Andrews / Isabel Szendrey (support) Validator Qualifications: Contractor for CA-NV AWWA Water Loss TAP

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