Water Audit Validation Certificate

Validator Provided

Part A: Provided by Validator

Audit Information:

Water Supplier Name: **City of Signal Hill** PWS ID: **1910149**

System Type: **Potable** Audit Period: **Fiscal Year 2018-2019**

Utility Representation: **Mark Van Meeveren, Matt Tryon**

Validation Date: **10/03/2019** Call Time: **8:00am** Sufficient Supporting Documents Provided: **Yes**

Validation Findings& Confirmation Statements:

Key Audit Metrics:

Data Validity Score: **55** Data Validity Band (Level): **Level II (51-70)**

ILI: **.53** Real Loss: **36.676 AF/Yr.** Apparent Loss: **26.333 AF/Yr.**

Non-revenue water as percent of cost of operating system: **2.8%**

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. ☑

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: **Damian Martinez** Qualifications: **Water Audit Validator Certificate issued by the CA-NV Section of the AWWA**

Damian Martinez WAV

Water Audit Validation Certificate

Utility Provided

Part B: Provided by Utility

Water Supplier Name: **City of Signal Hill** **Water Supplier ID Number:** **1910149** **Water Audit Period:** **Fiscal Year 2018-2019**

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:

There are production meters which the City may explore 3rd party signal calibration and potential volumetric testing of all water production meters. Meters for Water Imported (WI) are known to be tested quarterly, the City will begin obtain records of the WI signal calibration when they occur. There is currently no written policy to replace customer meters, but the City is replacing meters as per a system wide lateral main line audit which found meters which need to be replaced. A meter and service line replacement program has been initiated whereas the City budgets $200k annually. The City is working on developing a UWMP and an updated Water Master Plan which will aid in future water loss control measures.

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 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 36, Fourth Edition and in the Free Water Audit Software Version 5.

Executive Name (Print)	Executive Position	Signature	Date
Cecil Looney	Public Works Deputy Director	Cecil Looney	08 OCT 2019

Damian Martinez WAV