Level 1 Validation Certificate

WSO

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 9/27/2018

Water Supplier

Supplier Name: City of Folsom

Supplier Participants: Vaughn Fleischbein (Engineering), Pat Ryan (Distribution – Water Meters), Jim Kime (Water Plant Operator), Kristina Eicher (Engineering Technician), Nathan Stites (Assistant Engineer)

Validator

Validator: Kris Williams, Water Systems Optimization

Validator Qualifications: Water Audit Validator Certificate from the AWWA California Nevada Section

Key Audit Metrics

Data Validity Score: 67	67	
ILI: 8.7	8.7	
Real Loss: 138.9	138.9	gal / conn / day
Apparent Loss: 25.6	25.6	gal / conn / day
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. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:	City of Folsom
Water Supplier Public Water System ID:	3410014
Water Audit Period:	Calendar 2017

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

- Calibrate WTP production meter instrumentation including volumetric testing
- Proactive Leak Detection performed by Utility Maintenance Division
- Offer water conservation rebates such as cash for grass/lawn replacement, irrigation efficiency upgrades and high efficiency toilet rebates
- Continued to improve the reliability/ accuracy of the City's fixed network meter database

Certification Statement by Water Supplier 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):	Marcus Yasutake, PE
Executive Position:	Environmental & Water Resources Director
Signature:	
Date	09/27/2018