Level 1 Validation Certificate

FY2019-20

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: 10/7/2020

Water Supplier

Supplier Name:	City of Delano
Supplier Participants:	Joe Rojas, Allen Lutz, Jeff Zielsdorf

Validator

Validator:	Kim Manago, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Key Audit Metrics

Data Validity Score:	57	
ILI:	5.12	
Real Loss:	71.57	gal / conn / day
Apparent Loss:	9.16	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. ☒

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 Delano
Water Supplier Public Water System ID:	1510005
Water Audit Period:	From 7/2019 to 06/2020

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.

Volume from own sources: Used weighted average from accuracy test results of master meters.

Installed new meters on unmetered accounts. Metered accounts now at 84% toward the 100% target in 2025. Migration to fully metered status is underway.

The flat rate consumption was calculated using average consumption volumes for similar accounts calculated as: Metered SFR*No. of flat rate SFR accounts/No. of metered SFR accounts.

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):	Roman Dowling
Executive Position:	Public Works Diirector/City Engineer
Signature:	
Date	10/08/2020