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: 8/29/2019

Water Supplier

Supplier Name:	City of Ceres
Supplier Participants:	Loretta Webb Karen Morgan

Validator

Validator:	Kevin Burgers, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Key Audit Metrics

Data Validity Score:	64	
ILI:	1.73	
Real Loss:	18.66	gal / conn / day
Apparent Loss:	8.75	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	1.5%	

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 Ceres
Water Supplier Public Water System ID:	5010028
Water Audit Period:	Calendar 2018

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.

During the 2018 calendar year staff from the City of Ceres Water Division built upon the work done by the CivicSpark Fellows in 2017. Projects included updating all unbilled metered accounts under authorized consumption to be billed accordingly by the department for the water they consumed, development of addition water audit programs, and the continuation of assembling both a meter replacement and accuracy program. Staff continues to work steadily on increasing the number of meter tests performed in the field; while building upon the ground truthing information on the City's mapping and GIS program for water loss detection.

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):	Jeremy Damas
Executive Position:	Public Works Director
Signature:	
Date	9-12-2019