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: 8/21/2019

Water Supplier

Supplier Name: City of Brea

Supplier Participants:

Brian Ingallinera, Environmental Service Coordinator

Rudy Correa, Supervisor

Rita Navarrette Alicia Lopez, Billing Department

Validator

Validator:	Reinhard Sturm, Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Key Audit Metrics

Data Validity Score:	69	
ILI:	0.48	
Real Loss:	8.63	gal / conn / day

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. ☒

Apparent Loss:	9.48	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	3.8%	

If not, rejected recommendations are included here.

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 Brea
Water Supplier Public Water System ID:	3010002
Water Audit Period:	CY 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.

Continued to have an aggressive capital improvement project to replace water mains and strategizing the locations by age and number of issues in the area to cut down on water loss.

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):	Ron Krause
Executive Position:	Water Distribution Superintendent
Signature:	Ron Krause
Date	9/4/19