# 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: 6/27/2018

## Water Supplier

Supplier Name:
Laguna Beach County Water District

Supplier Participants:
David Youngblood

## 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: | 1.7 | |
| Real Loss: | 27.3 | gal / conn / day |
| Apparent Loss: | 2.6 | gal / conn / day |
| Non-Revenue Water as Percent of Cost of Operating System: | 2.4% | |

## 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.*

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|---|---|
| Water Supplier Name: | Laguna Beach County Water District |
| Water Supplier Public Water System ID: | CA3010017 |
| Water Audit Period: | 2017 Calendar Year |

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.*

Laguna Beach County Water District approved and construction an Automated Metering Infrastructure project during this reporting period. The project replaced all of the approximately 8,800 system meters with new magnetic automated meters. The project cost $3.0 million dollars and will help us identify leaks and metering issues as well as provide more frequent usage data. We expect to improve our ability to accurately audit our water use in the future.

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.

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|---|---|
| Executive Name (print): | David Youngblood |
| Executive Position: | Manager of Engineering and Operations |
| Signature: | |
| Date | 6/28/18 |