

Certified Validation Report Template, Part A: Provided by Validator



Audit Information

Water System Name: Cambria Community Services District

Public Water System Identification (PWSID)¹: CA4010014

¹List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, list those additional PWSIDs in the **Notes** below and describe the water distribution system(s) configuration.

PWSID and Water System Configuration Notes (Provided to Validator by Water System):

Audit Period: CY2021

Water System Representatives

Validation Date: 06/21/2022

Sufficient Supporting Documents Provided: Yes

Melissa Bland, Jim Green, Megan Gersney, Ray Dienzo

Validation Findings & Confirmation Statement

Key Audit Metrics:

Data Validity Score:	62	Data Validity Tier (Level):	Band III (51-70)	Real Loss:	8.34	gal / conn / day
Non-revenue water as percent of cost of operating system:			2.7%	Apparent Loss:	3.01	gal / conn / day
				ILI:	0.45	

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.

If not, rejected recommendations are included here:

Validator Information

Water Audit Validator: Kim Manago

Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Validator Provided

Certified Validation Report Template, Part B: Provided by Utility

Water System Name: Cambria Community Services District

Public Water System Identification (PWSID)²: CA4010014

²List only 1 PWSID, which should match the PWSID on the FWAS Instructions Tab. For Special cases where multiple water systems are connected with permanent two-way interties, those additional PWSIDs should have been listed in the Notes section on Page 1 by the Validator.

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: Water System to identify steps taken in the preceding 3 years to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:

Last Year: During calendar year 2021, the CCSD took steps toward implementing an Advanced Metering Infrastructure (AMI) project by requesting several propagation studies from meter vendors to identify the best system type given the CCSD's terrain and infrastructure. Implementation of the AMI project is planned for the 2022-23 fiscal year. Staff also completed a second phase of the SCADA improvement project and have included water loss reporting in the third phase project planned for the 2022-23 fiscal year. Water Department and Utility Billing staff worked to complete an audit of all internal accounts and, in doing so, identified a few meters that were not being read. Additional system audits were completed to reduce data inaccuracies.

2 Years Ago: Improvements implemented to Water Department SCADA to include historization of tank levels, flow data, and future ability to log daily production at the same point in time each day. In addition, testing and calibration of source meters has been established on an annual basis. All customer meters have been located and entered into GIS, providing a thorough field validation of existing Utility Billing records.

3 Years Ago: During calendar year 2019, the CCSD took steps to improve the Water Department's SCADA system, providing more accurate real-time data regarding flow volume and water quality. In addition, the Water Department has pivoted away from patchwork repairs throughout the distribution system and began a program of service line replacement—both responsive and preventative. A Request for Proposals was drafted in 2019 to obtain the services of a leak detection company to perform a system audit and identify potential sources of real loss. A full-time conservation assistant was hired in 2019 to better support the CCSD's water use efficiency and water loss control programs.

2. Planned Steps (OPTIONAL): If your audit reflects negative real losses or the cost of non-revenue water is greater than 100% of the operating costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days (23 CCR Section 638.6[a]).

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3. Certification Statement by Utility 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 Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Utility Provided

Executive Name (Print)

Ray Dienzo, PE

Executive Position

Utilities Department Manager/District
Engineer

Signature

Raymond Dienzo

Date

7/21/2022






Cambria CSD - CY2021 Validation Certificate

Final Audit Report

2022-07-21

Created:	2022-07-21
By:	Melissa Bland (mbland@cambriacsd.org)
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