

Water Loss Audits

- Required by California Senate Bill 555
 - Urban retail water suppliers must perform annual Water Audit per AWWA M36
 - Water audit must be validated by a 3rd party certified Water Audit Validator
 - Submit validated water audit to the DWR annually
 - October 1 for CY filers
 - January 1 for FY filers

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MesaWater
DISTRICT®

The slide features a light blue background with a horizontal line at the top. The title 'Water Loss Audits' is centered. A bulleted list details the requirements of California Senate Bill 555, including the need for annual audits, validation by a third party, and submission to the DWR. The dates 'October 1 for CY filers' and 'January 1 for FY filers' are circled in blue. The MesaWater DISTRICT logo is in the bottom right corner, and the footer '2 | April 26, 2022' is in the bottom left.

Water Loss Audit Inputs

- Water Production
 - Own productions sources
 - In-Lieu production sources
 - Production meter accuracy
- Water Demand
 - Customer metering and billing
 - Customer meter accuracy
 - Meter to billing process
 - Authorized, but unmetered use
 - Fire fighting, sewer cleaning, etc.
 - Theft
- Operations Data
 - Length of mains, system pressure, number of connections
- Cost Data
 - Operating expenses, Customer rates, Variable production cost



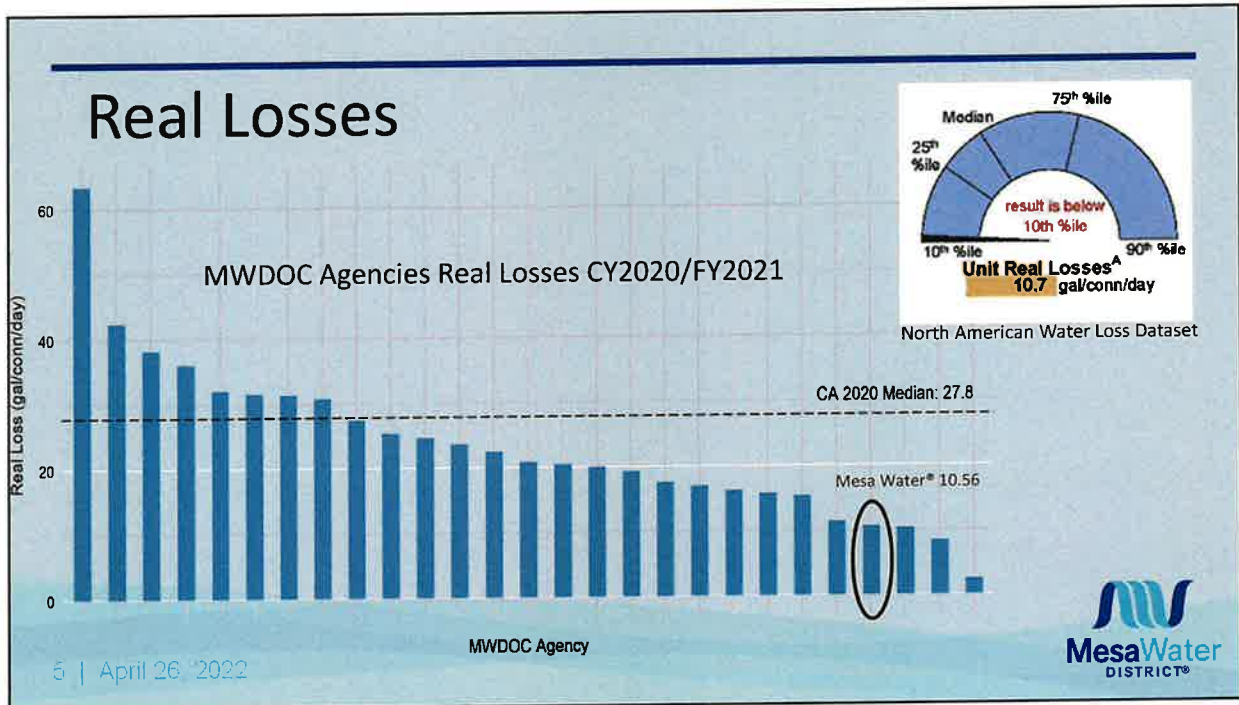
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Water Loss Audit Outputs-KPIs

Key Performance Indicators	Mesa Water	North American Percentile	MWDOC Member Agency Percentile	Rank in MWDOC Agencies
Real Loss (as percent of water supplied)	1.6%	NA	NA	NA
Real Loss (Gallon/connection/day)	10.59	Lowest 10%	Lowest 15%	4 th lowest
Infrastructure Leakage Index (ILI)	0.58	Lowest 10%	Lowest 15%	4 th lowest
Data Validity Score	82	NA	100%	Top score



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Water Loss Performance Improvements

- Improvements in FY 2021
 - Leak detection on 60 miles of pipeline
 - Route 600 large meter replacements and AMI/Cellular endpoints
 - Continued advocacy for reasonable Water Loss Performance Standards
- Improvements underway FY 2022
 - Leak detection on 90 miles of pipeline
 - Semi-annual large customer meter testing
 - Small customer meter testing
 - Planning for compliance with final Water Loss Performance Standards

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New Water Loss Regulations

- 2017-2023- Perform a Water Loss Audit, have it validated by a certified 3rd Party, and submit to DWR
- 2020-2022- Real Loss Performance Standards set by DWR for each urban retail water supplier
 - “Economically viable” Real Loss sets the standard
 - Mesa Water[®] draft Real Loss standard is 20 gallons/connection/day
- 2023-2028- Submit Water Loss Audit + three new questionnaires
- 2028- Meet the Real Loss standard + Apparent Loss standard+ Water Loss Audit+ questionnaires

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Questions and Discussion

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