FY2024 WATER LOSS AUDIT RESULTS

May 28, 2025

Water Loss Audit 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

- o Mesa Water Real Loss standard is 16.7 gallons/connection/day
- o Mesa Water Apparent Loss standard is 11.4 gallons/connection/day

2023-2028 – Submit Water Loss Audit + three new questionnaires

2025-2028- Maintain a break registry

2028 – Meet the Real Loss standard + Apparent Loss standard+ Water Loss Audit+ questionnaires

2029- Submit Three Year Break Registry

Real Loss and Apparent Loss

Water Loss = Water Supplied   –   Water Demand
- Clear Wells
- MWRF

Water Demand
- Customer meters
- Authorized, unmetered (ie, CMFD, CMSD)

Water Loss = Apparent Loss   +
- Customer meter inaccuracy
- Theft
- Billing discrepancies

Real Loss
- Main line breaks
- Service line breaks
- Background leakage

Real Loss = Water Loss - Apparent Loss

FY24 Water Loss Audit Results

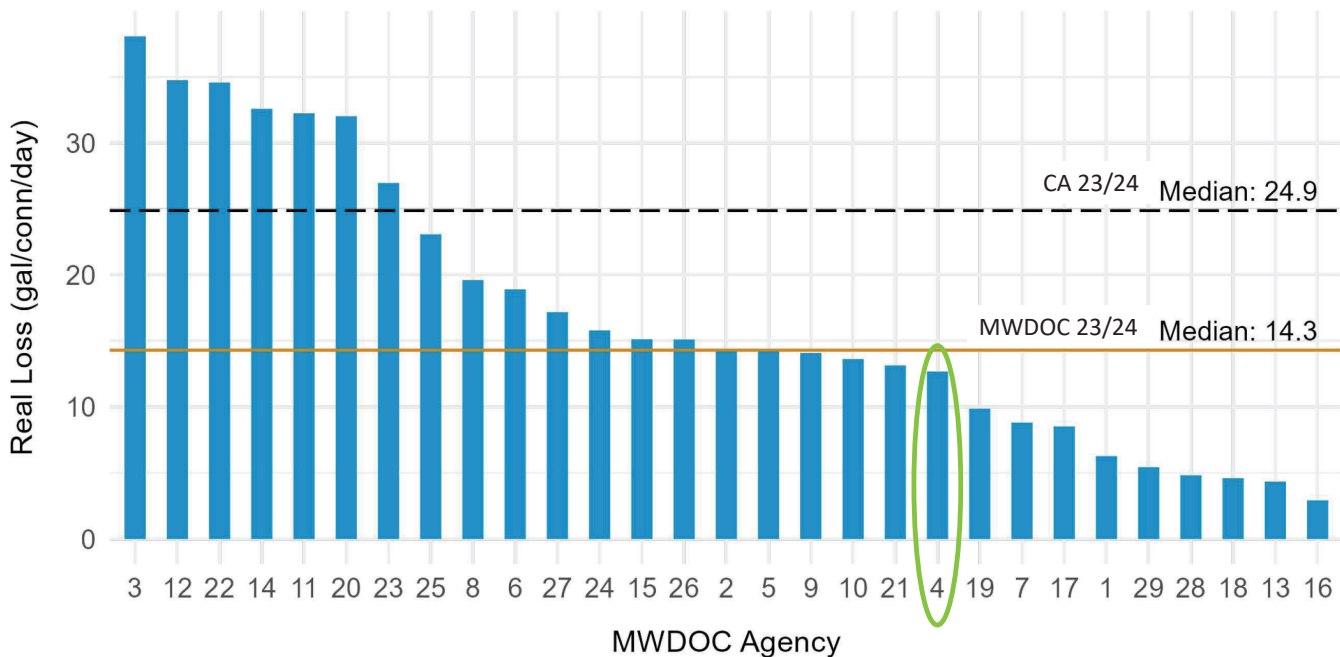| KPI	Mesa Water	California Percentile	MWDOC Member Agency Percentile
Real Loss (as percent of water supplied)	2.5%	NA	NA
Real Loss (Gal/connection/day)	12.7	Best 25%	Best 40%
Apparent Loss (Gal/connection/day)	9.5	Bottom 30%	Bottom 30%
Infrastructure Leakage Index (ILI)	0.7	Best 25%	Best 40%
Data Validity Score	82	Top 1%	Highest Score

Compliance Status

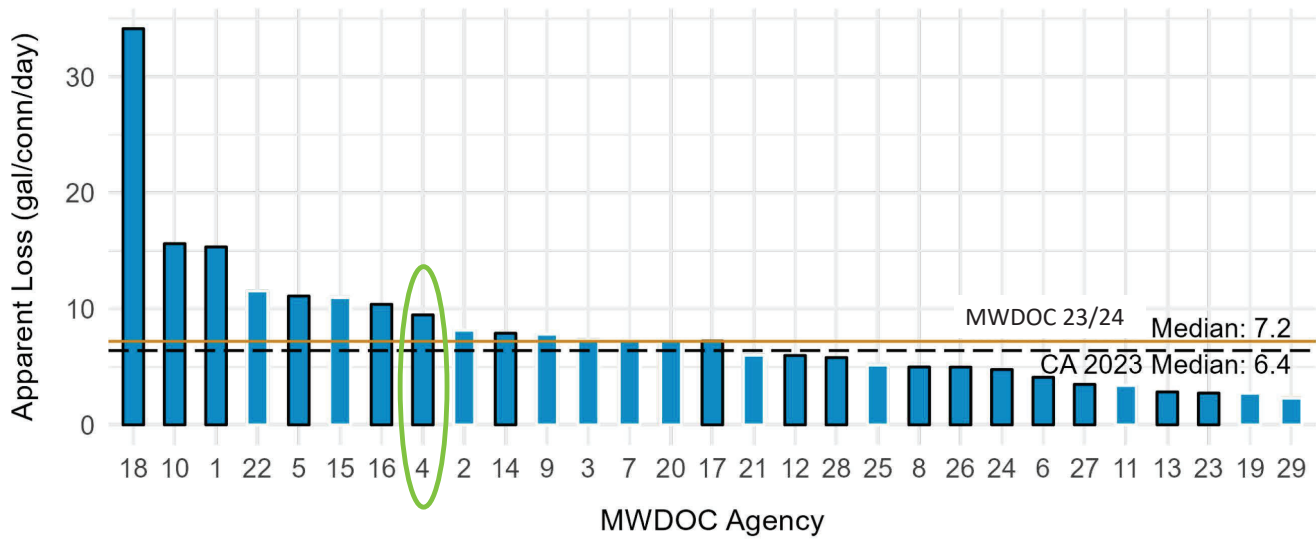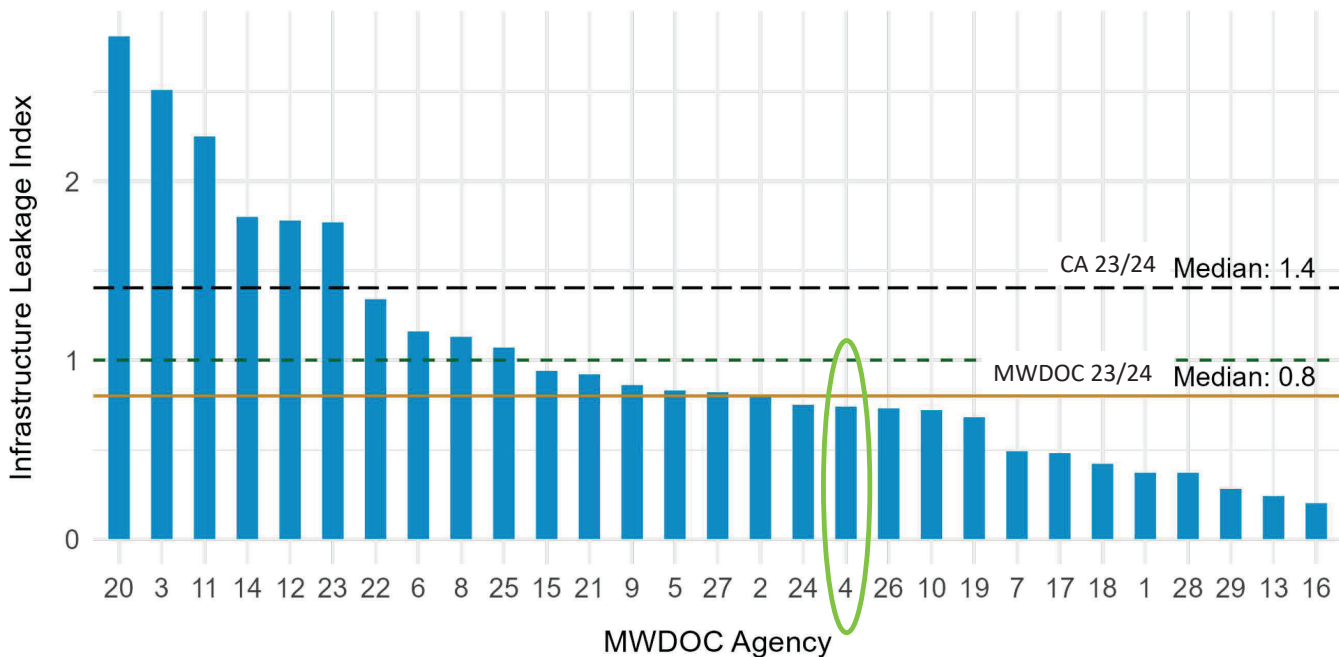| Compliance Parameter	Performance Standard (gal/Conn/Day)	FY24 Result	In Compliance?
Real Loss	16.7	12.7	Yes
Apparent Loss	11.4	9.5	Yes

Real Loss

Apparent Loss
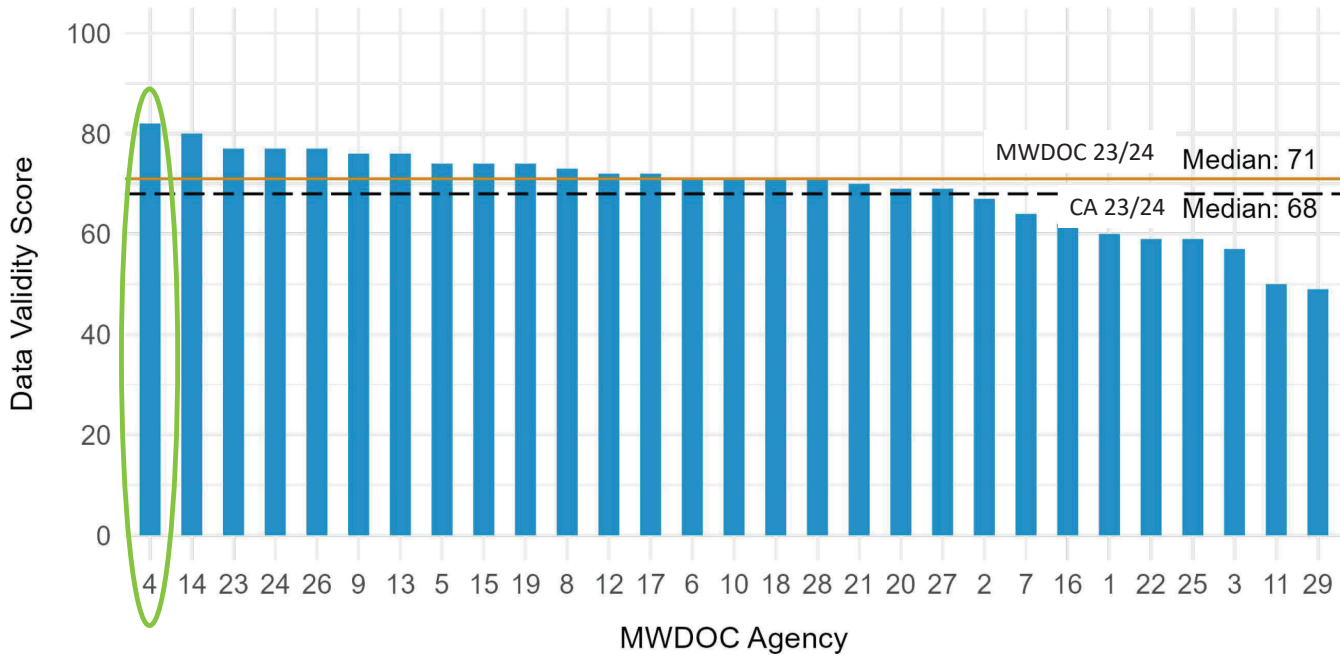

Was customer meter testing used to inform customer metering inaccuracies?   ☐ No   ☐ Yes

Infrastructure Leakage Index

Data Validity Score

FY2025 MWDOC Leak Detection Results

— FY25 Leak Detection Area

Type of Leak	Number
Main Line	0
Service lateral (main to meter)	3
Customer plumbing (meter to house)	2
Backflow	0
Meter connection	44
Meter	6

QUESTIONS?

THANK YOU!