



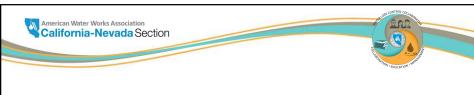
Water Audit Experience

raise your hand if....

- 1. You are familiar with your distribution system's level of Water Losses?
- 2. You have completed a water audit in the AWWA Water Audit Software?
- 3. You have participated in evaluating the data validity score for at least one Audit Software input?
- 4. You have reviewed a dataset (ie daily production volumes, billing data, measured pressure values) for the purposes of determining a value for the AWWA Audit software?





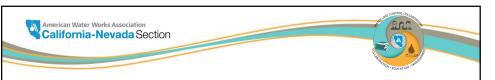


AWWA Water Audit:

- What is a water audit?
- What are water audit volumes?

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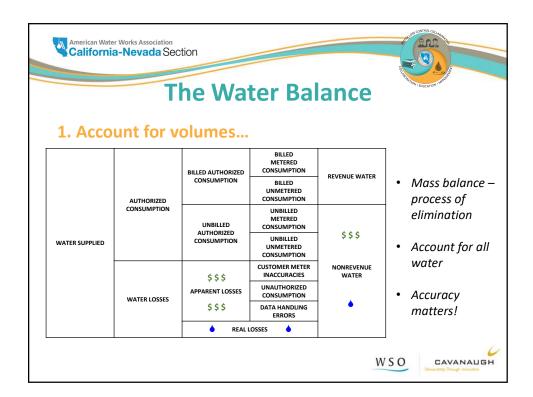


Water Audit

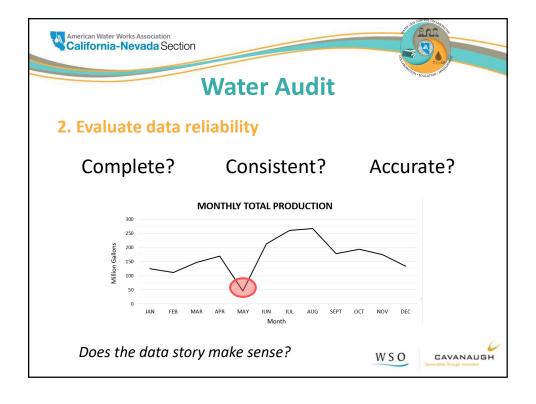
- 1. Systematically account for known water volumes to estimate volumes of Water Loss.
- 2. Evaluate data source reliability.
- 3. Communicate water distribution efficiency.

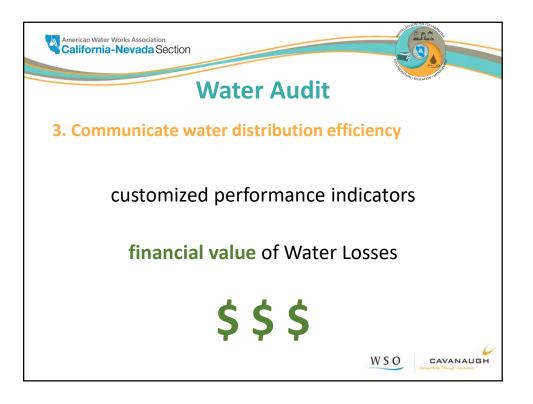


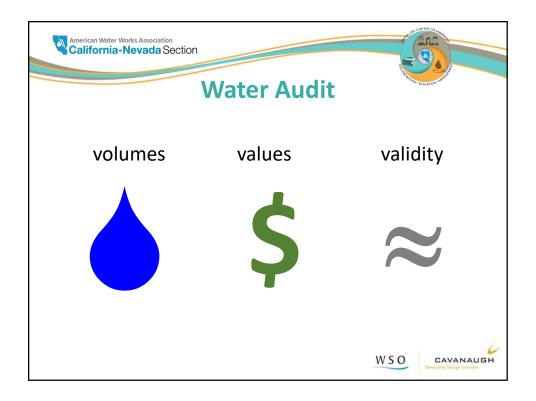


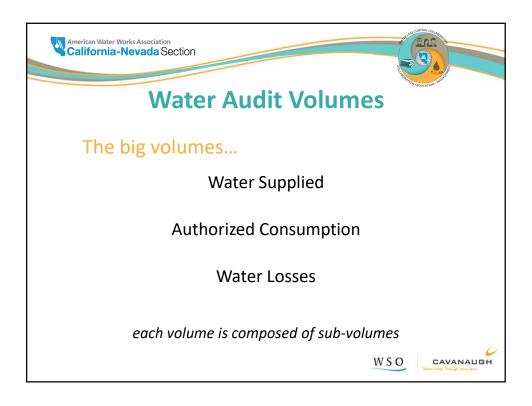


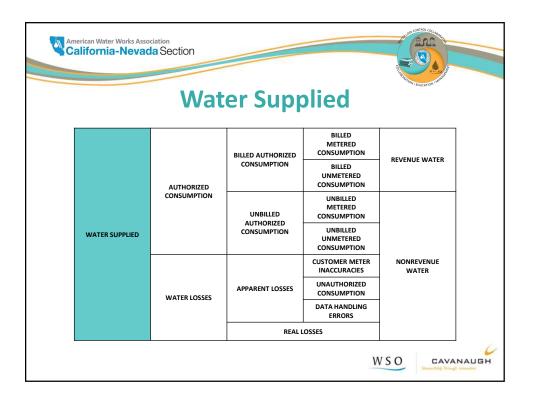


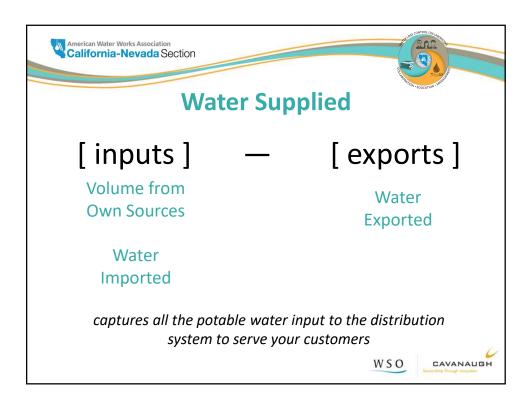


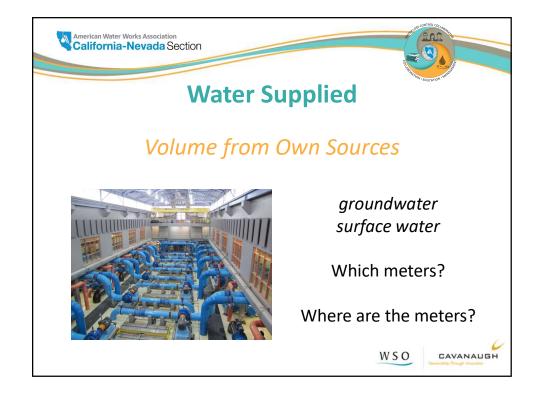








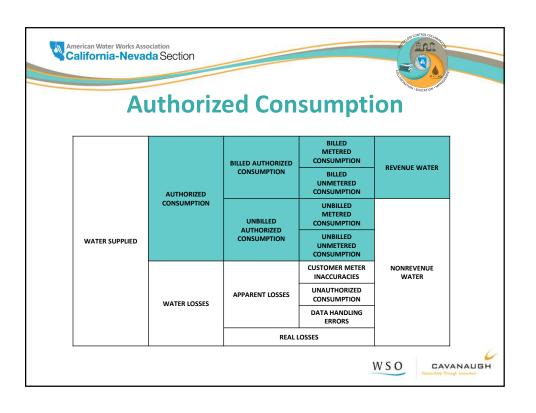


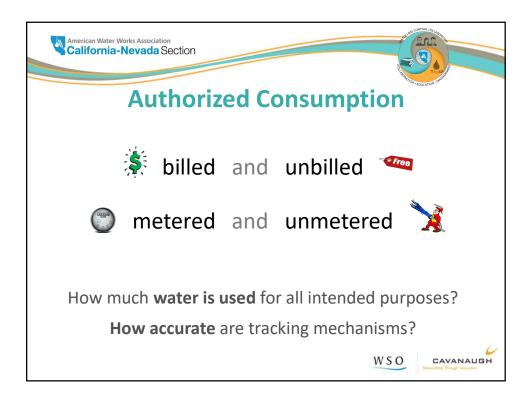


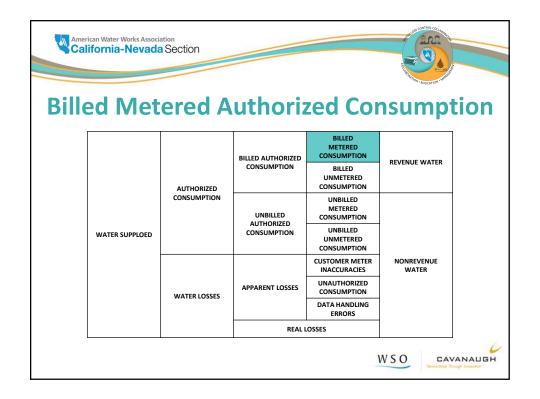


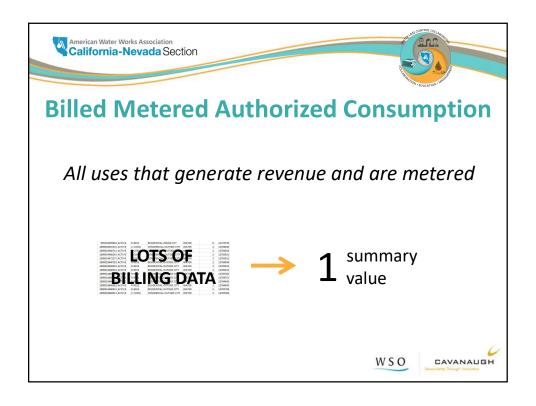


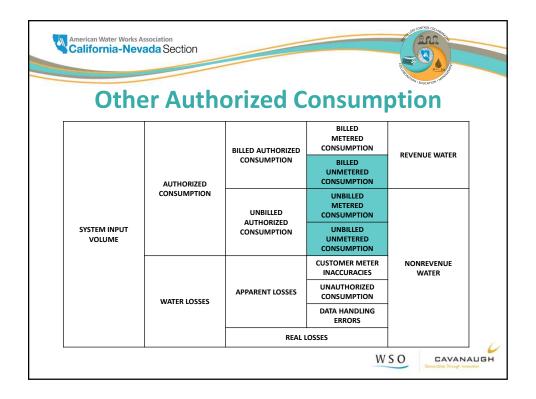


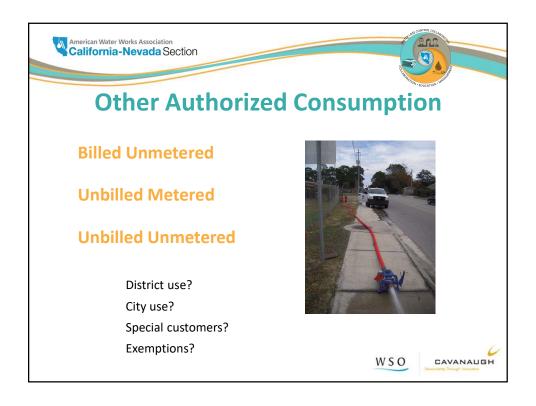


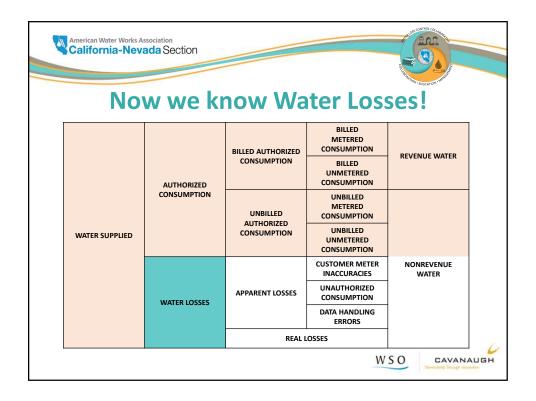


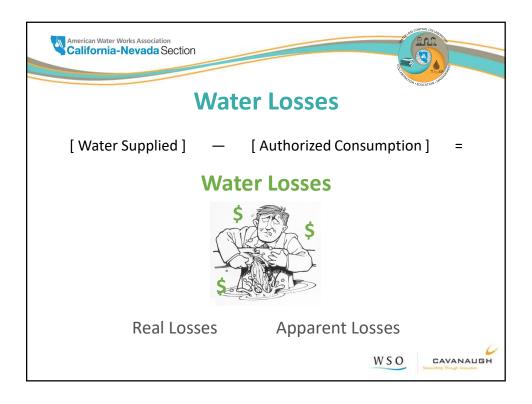


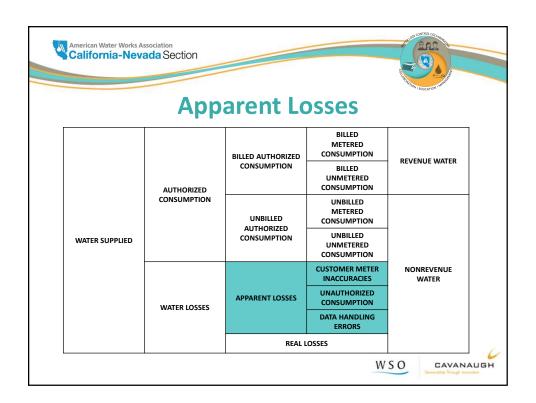








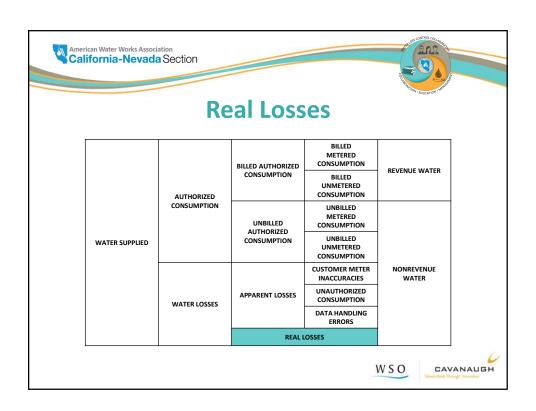








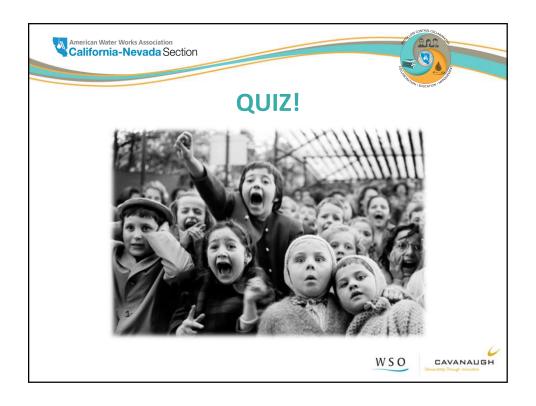




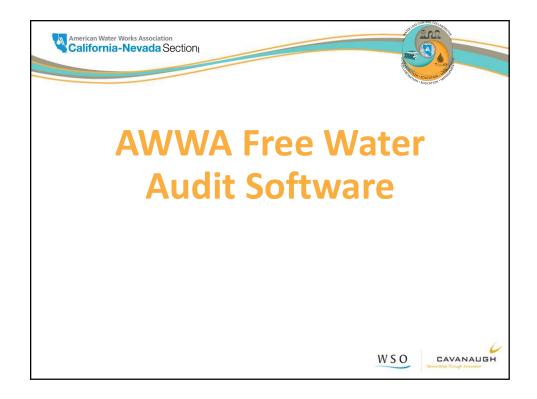


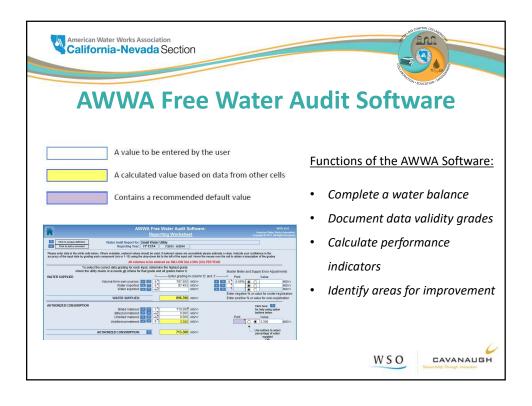


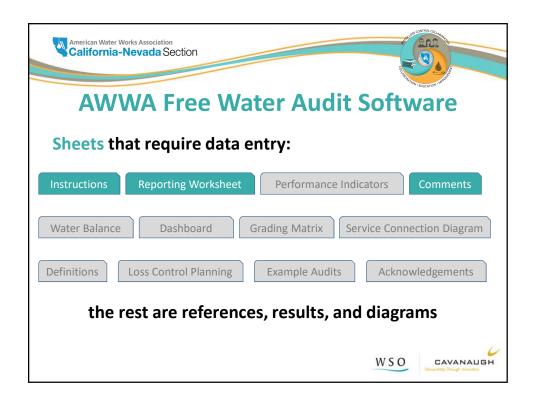


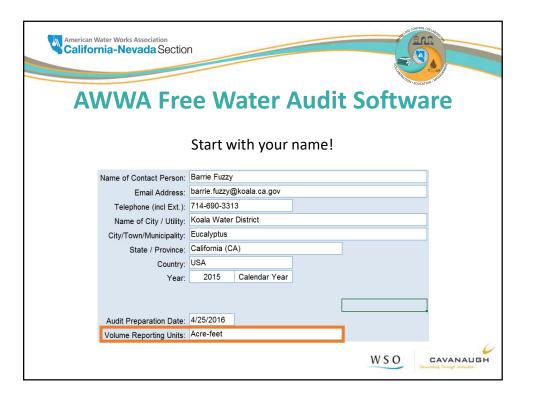


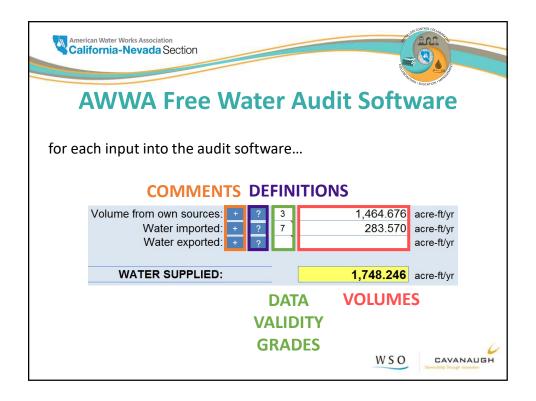


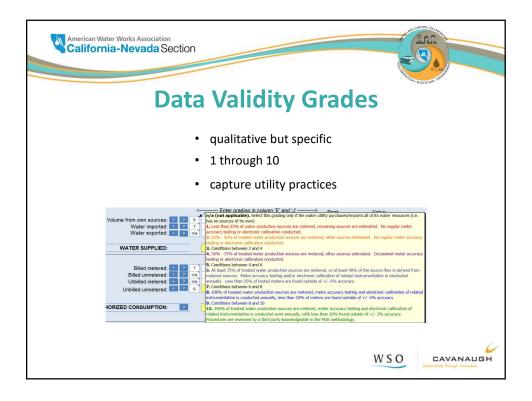


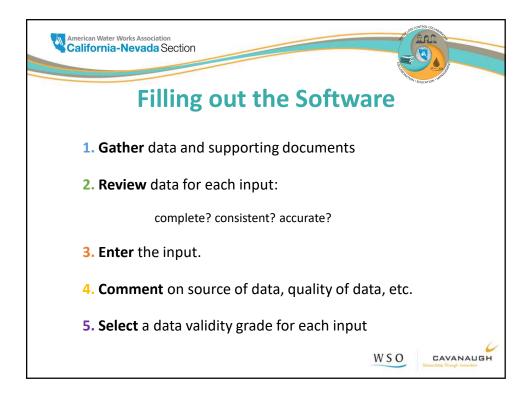


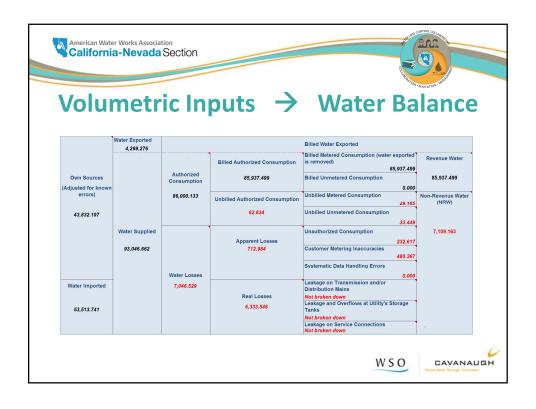


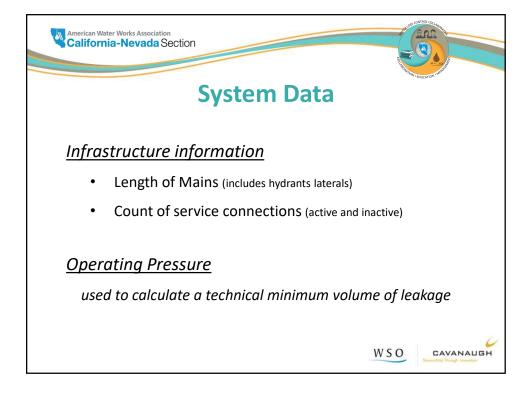




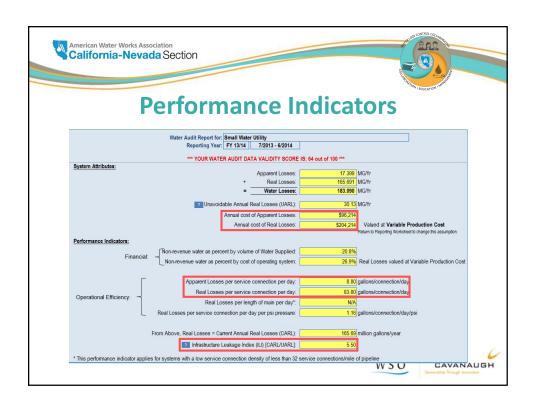


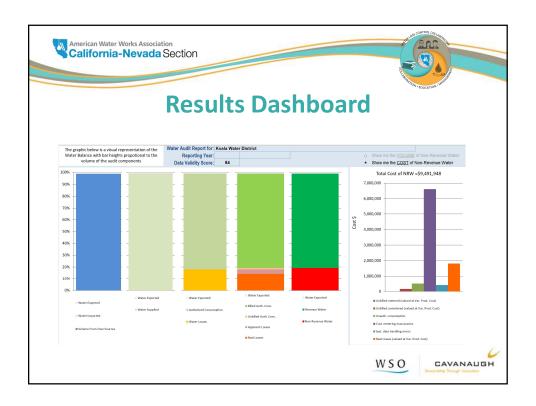


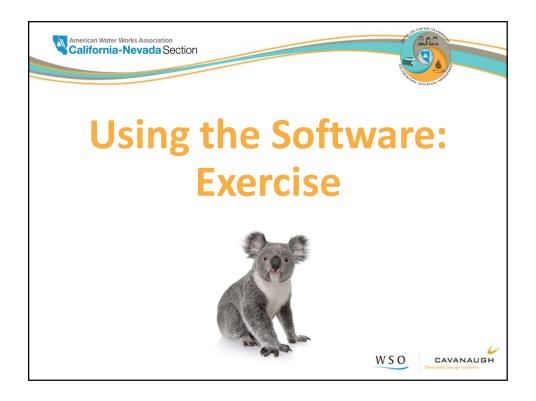


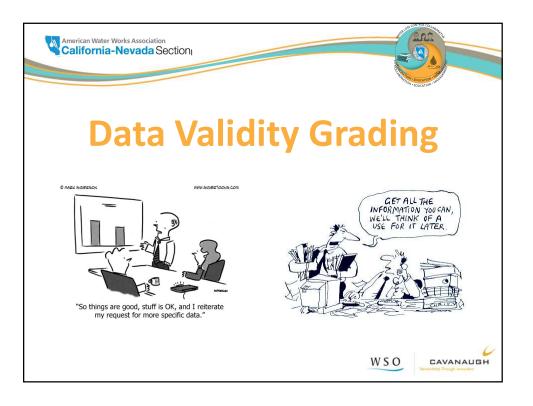


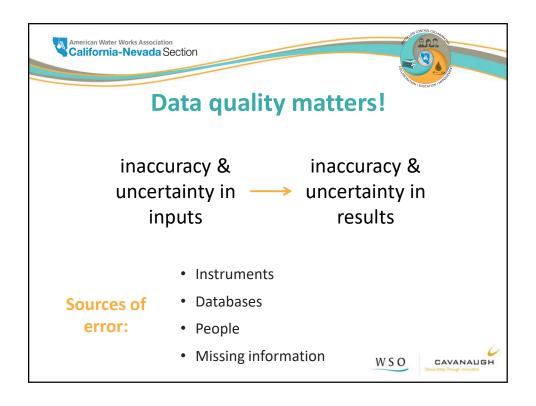


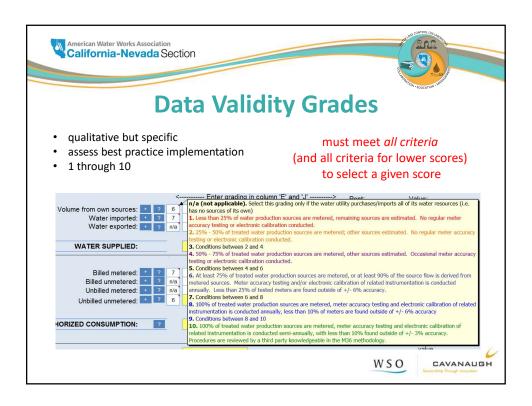


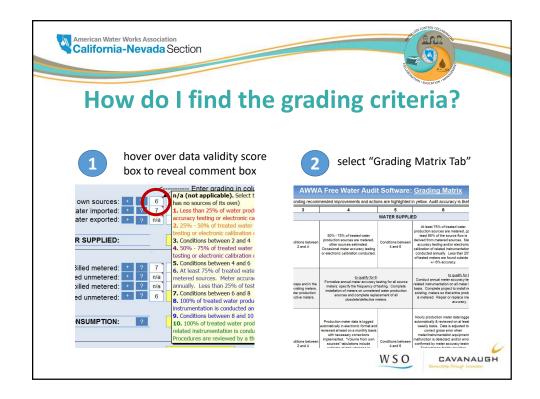


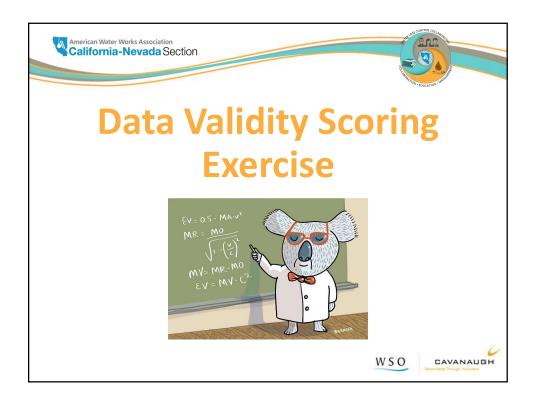


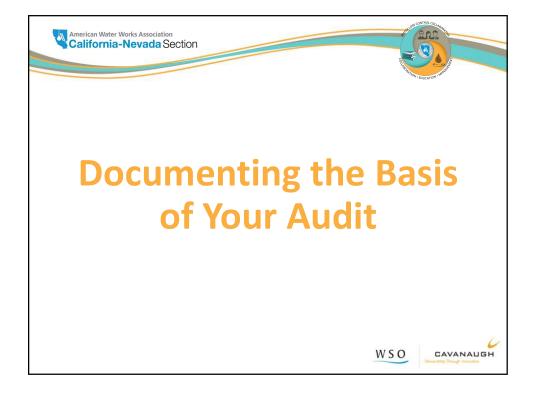
















Documentation

- 1. Get all your data in one place.
- 2. Show your work on analysis, correction, summarizing, and data validity grading!
- 3. Use the Comments Sheet.

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American Water Works Association California-Nevada Section



Documentation

Data Inputs

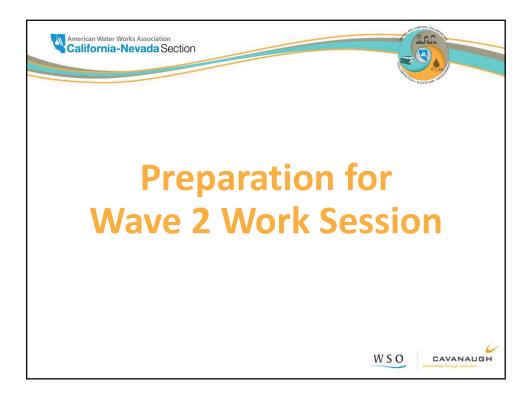
- Data source
- Derivation (if calculated)
- Assumptions
- · Action needed
- Questions

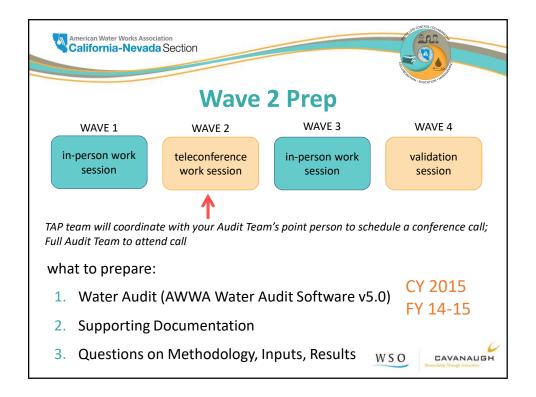
Data Validity Grades

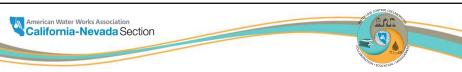
- · Basis for grade selection
- Basis for not choosing the next higher grade
- Assumptions
- · Action needed
- Questions

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Supporting Documentation

General

- Your most recent water audit (excel)
- Any previous water audits (AWWA format ideal for compilation)
- Documentation from water loss control efforts to date
- Any other data from your UWMP submittal that you think would be helpful

Water Supplied

- Supply meter demographics (age, size, type)
- Monthly water supplied volume by supply meter (finished)
- Documentation from supply meter testing and/or calibration
- Schematic of the system showing locations of production meters, and import/export meters









Supporting Documentation

Authorized Consumption

- Monthly water sold volume by rate code
- Tracking sheets for unbilled and/or unmetered usage (fire, flushing, etc)

Apparent Loss

- Customer meter demographics
- · Customer meter test data

System Data

- Miles of main & # connections per pressure zone
- Available pressure data

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