

UPDATE: DWR WATER AUDIT MANUAL

Reinhard Sturm
Water Systems Optimization



BACKGROUND

Impetus: SB 1420 requires urban water suppliers to complete annual audits to be submitted every 5 years w UWMP

Goal: To create a manual to facilitate completion of the AWWA Free Water Audit Software

PROJECT UPDATE

- 1. Reviewed other state water audit manuals: GA, HI, TX, NM**
 - Goal of CA manual: simplicity, clarity, illustration, specific guidance through audit software
- 2. Developed draft manual**
- 3. Incorporated feedback from:**
 - DWR staff
 - Urban Water Stakeholder Committee

FEEDBACK

1. How to adjust for **lag time between usage period and customer meter reading cycles** in utilities with complex reading cycle schedules?
 - Revised to make more general recommendation in body of chapter, provided detailed example as Appendix.
2. Which components of budget to include in **calculation of Customer Retail Unit Cost?**
 - Pending discussion w DWR
3. How to **calculate Variable Production Cost**: melded cost or cost of most expensive source?
 - Pending discussion w DWR

NEXT STEPS

- 1. Clarify specifics on how to calculate Customer Retail Unit Cost and Variable Production Cost w/ DWR**
- 2. Final editorial review by DWR**
- 3. Design and formatting by DWR**