

Monitoring and Verification

Water efficiency, and changes to water demand, associated with implementing specific water conservation measures and programs can only be assessed by comparing changes to water use over time. In that water conservation measures and programs that a utility may select to implement require some investment of resources – either funding or labor or both – monitoring and verification of changes in water use related to any specific investment is vital to understanding the value of the investment and the need for program revisions or adjustments. Decision makers within the organization require information related to the costs and benefits of any implemented program to base future program assessments and ultimately support program implementation. In addition, it is increasingly important that water utilities that are responsible to maintain public trust be transparent in how they utilize public funds to support the sustainability and efficiency of the organization. For these reasons, monitoring and verification of programs is a requisite component of overall water resource management and water conservation planning.

[Monitoring and Data Collection](#)

[Verification and Data Analysis](#)

Resources

[Alliance for Water Efficiency Tracking Tool](#)

[House Bill 10-1051 \(State of Colorado Regulation on Water Utility data Collection and reporting\)](#)

[Statistic Methods in Water Resources \(U.S. Geological Survey, Techniques of Water-Resources Investigations Book 4, Chapter A3 by D.R. Helsel and R.M. Hirsch\)](#)

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