AWWA Intermountain Section

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Drought and climate change make managing landscape water a major policy and prorgram management challenge for water agencies. At this years' American Water Works Association's Intermountian Section Conference Dr. Roger Kjelgren and Diana T. Glenn of the Center for Water Efficient Landcaping both presented their most recent research.

Dr. Kjelgren presented **'Simplified Landscape Irrigation Demand Estimation: SLIDE Rules for Landscape Water Budgets and Allocations**' as a simplified method to understand and manage for urban plant water demand. SLIDE Rules can be used by water agencies to aid in water conservation goals. It can also aid the landscape design community to design low water landscapes to meet specific water allocations and budges. SLIDE Rules provides minimum irrigation guidelines to keep high value landscape elements (e.g., trees) alive during drought. For more information on SLIDE Rules go to: cwel.usu.edu/slide-rules.

Diana T. Glenn presented '**Tools for Evaluating and Monitoring the Effectiveness of Urban Landscape Water Conservation Interventions and Programs'**, a Logan City case study that applied urban landscape water conservation tools developed through the Center for Water Efficient Landscaping to evaluate the water conservation outcome of a landscape water check program. Her presentation included research insights and implications of the study for water providers and conservation programs.

Related Publications

- Glenn, D. T., Endter-Wada, J., Kjelgren, R., & Neale, C. M. U. (2015). Tools for evaluating and monitoring effectiveness of urban landscape water conservation interventions and programs. Landscape and Urban Planning, 139(0), 82-93.
- Farag, Fayek A., Christopher M.U. Neale, Roger K. Kjelgren, and Joanna Endter-Wada. 2011. Quantifying Urban Landscape Water Conservation Potential Using High Resolution Remote Sensing and GIS. Photogrammetric Engineering and Remote Sensing 77(11):1113-1122. *[This paper received the 2012 award for ESRI Best Scientific Paper in Geographic Information Systems]*