

Peter W. Mayer, P.E.



Peter Mayer is a professional engineer and urban water expert in the areas of water use, water efficiency, demand management, and water resource planning. For more than 25 years, Peter's work has focused on urban water management, researching water use patterns, assessing the impact of water rate structures, evaluating water efficiency measures and programs, forecasting future demand with and without conservation, preparing water demand management plans and conducting water supply scenario analysis.

Peter was the lead author for the Water Research Foundation (WRF) "Residential End Uses of Water" studies published in 1999 and 2016 and a key contributor to the companion "Commercial and Institutional End Uses of Water" study. In 2017 Peter published ground breaking research on peak demand management through advanced irrigation control. Peter is currently leading research studies for WRF and the Alliance for Water Efficiency (AWE) on meter sizing, outdoor water savings, and drought response. In 2019 he completed a

series of 10 demand management plans with New York City Department of Environmental Protection, and he has been a team member consultant for the Colorado State Water Supply Initiative in 2008-10 and 2016-19.

In 2016, Peter testified as an expert witness on municipal and industrial water use at the US Supreme Court (FL v. GA, 142 Original) on behalf of the State of Georgia.

In 2013, Peter founded WaterDM – Water Demand Management. WaterDM's clients include: the City of Tucson, the New York City Water Board, Colorado Water Conservation Board, the Metropolitan Water District of Southern California, the City of Austin, AWE, Rachio, WRF, and Northern Water; and throughout his career Peter has worked with more than 100 water providers across the United States, Canada, and Australia.

Peter is member of the AWWA Customer Metering and Practices committee, and he chairs the subcommittee that prepared the 3rd edition of AWWA's *M22 Sizing of Water Service Lines and Meters* manual and is leading the effort to prepare the 4th edition. He is a four time winner of AWWA and ASCE Journal "Best Paper" awards. He is a regular contributor to the AWWA Journal including recent articles on peak management (May 2018), irrigation audits (May 2016), outdoor water savings (February 2015), and the avoided costs of conservation (April 2014).

Peter earned his Master's Degree in water resources engineering from the University of Colorado in Boulder in 1995 and holds a bachelors degree from Oberlin College. He lives in Boulder, Colorado with his wife Amanda and two sons - Zachary and Miles. His hobbies include playing electric and acoustic guitar, skiing, hiking, movies, and reading.