

Manual of Water Supply

M1

# Principles of Water Rates, Fees, and Charges

Seventh Edition



# Awwa Rate Study Manual

**American Water Works Association**

## **Awwa Rate Study Manual:**

2019 Water and Wastewater Rate Survey Book Awwa,2019-02-19 AWWA's 2019 Water and Wastewater Rate Survey provides the most comprehensive and up to date water and wastewater utility rate and financial data and analyses available Data are provided for 264 utilities providing water service and 182 utilities providing wastewater service from 42 states and the District of Columbia The survey includes data from utilities that serve from 1 000 to 5 million customers making this information relevant to utilities of all sizes Survey data are shown in a series of easy to read tables ideal for detailed analyses and comparisons Data are organized by system size so you can quickly isolate utilities that are similar to your own This new edition also includes a thorough discussion on continuous improvement by measuring effectiveness and efficiency of service delivery in addition to the analysis of the data from the rate survey and the interactive spreadsheets Data Presentation Part I Overview of the survey methodology Part II Measuring to Success for water and wastewater utilities Part III Highlights of the survey including key findings and observations Part IV Data summary exhibits arranged by system size for comparison purposes This survey is a joint effort of American Water Works Association and Raftelis Financial Consultants Inc

Developing Rates for Small Systems American Water Works Association,2004 The brand new manual provides step by step guidance to determine revenue requirements analyze rates develop a financial plan and design a better rate structure even with limited resources and data Written for small water systems defined as serving a population of up to 10 000 it focuses on the unique attributes of small systems as related to financial planning and rate design with the understanding that most data is contained in the current customer billing system and merely needs to be massaged With details plus a sample case study it helps develop a rate structure that emphasizes simplicity and ease of billing while at the same time recognizes cost recovery and equitability Also covered are communications with the public which is integral to a successful rate restructuring regulatory approval system development funding and rate phase in **Water and Wastewater Finance and Pricing** George A. Raftelis,2014-07-24 A Strategy Guide for Water Utility Managers and Executives and a Compendium of Best Financial Practices for Utility Financial Leaders a How To Guide for Rate and Finance Technicians and a Reference Point for Policymakers Detailing utility financial plans and rate structures and highlighting how they align with community sustainability goals and utility objectives is the focus of the fourth edition of Water and Wastewater Finance and Pricing The Changing Landscape Working from a historical perspective this revised and updated text addresses the current pricing and financial management challenges involved in the water and wastewater industry It builds on the concepts used in the standard manuals of the American Water Works Association and the Water Environment Federation and offers additional insight into the long term sustainability of water systems Provides Practical Applications of Finance and Pricing Approaches This comprehensive guide to financial and pricing practices delves into a number of factors that have impacted how utility finances its capital program and how it structures rates to recover revenue requirements Among numerous management

challenges the book addresses such issues as reduced per capita usage and customer demand a weak economy social media balancing community environmental sustainability with financial sufficiency an increased focus on water demand management and efficiency and the concern over rate affordability The author factors in the rate setting process implementing a cost of service and rate model as key input in each chapter and also presents a strong financial and rate plan for achieving long term sustainability What's New in the Fourth Edition Presents cutting edge management approaches and initiatives and the importance of strong financial management in addressing strategic financial and pricing goals Expands the discussion on traditional financing options factoring in the current economic climate Explores in detail how to integrate risk considerations into the development of effective financial and rate plans Includes techniques for projecting demand by retail wholesale and other customer classes Provides methodologies for the development of water reuse wholesale and wheeling rates Contains computer models that include scenario builders rate dashboards and graphical presentations of key rate and financing concepts Discusses effective public education approaches to gain stakeholder support of a utility's financial and rate plan Introduces triple bottom line concepts into selecting an appropriate financial and rate plan Expands the concepts of water and wastewater financial planning into the stormwater discipline Water and Wastewater Finance and Pricing The Changing Landscape Fourth Edition focuses on water and wastewater financial management and pricing and is geared toward professionals assigned to develop water and wastewater financial plans and rates senior managers with the responsibility for the long term financial sustainability of the utility investors evaluating the financial strength of utilities engineers consultants planning water and wastewater facilities academics teaching financial and pricing principles as a part of public policy curriculum regulators needing to understand the financial viability of utilities under their purview and policy makers desiring to support effective financial and rate plans for their constituencies

### **Water Rates, Fees, and the Legal Environment** Cornelis Waltherus Corssmit,2010    **The Basics of a Water Rate Study** ,1977    **Expert Witnessing in Forensic Accounting** Zeph Telpner,Michael Mostek,2002-06-26

From opposing the local CPA to tackling the Big Five Everything you need to know about accounting in the courtroom With the recent boom in litigation and malpractice charges concerning tax accounting financial litigation and fraud disputes more and more accounting professionals are being hired as expert witnesses Yet few lawyers have    Journal of the American Water Works Association ,1975-07 Volumes for 2012 contain only executive summaries of articles    Journal of the New England Water Works Association New England Water Works Association,1997    **Journal** American Water Works Association,1976    **Proceedings of a National Convention of Railroad Commissioners** National Association of Regulatory Utility Commissioners,1981 Vols for 1893 1912 contain also List of state railroad commissions showing official titles and addresses and names and addresses of members and secretaries

**Water Quality & Treatment Handbook** American Water Works Association,1999-10-30 State of the art handbook of community water supplies The leading source of information on water quality water treatment and quality control for 60

years is now available in an up to the minute new edition The American Water Works Association's Water Quality Treatment Fifth Edition fully covers the field bringing you the expertise of 20 distinguished specialists who provide the latest information on everything from aeration and coagulation processes to chemical oxidation and water plant waste management At least 90% of the material in this new edition has been revised and updated Among the areas of special concern covered are Cutting edge membrane processes U.S. regulatory changes including new rulings on disinfection by products Current concerns with preventing cryptosporidium and e. coli outbreaks Enhanced removal of total organic carbon Much much more

*Water Quality and Treatment*, 1971    **Water Quality & Treatment: A Handbook on Drinking Water** American Water Works Association, James K. Edzwald, 2010-12-06 The definitive water quality and treatment resource fully revised and updated Comprehensive current and written by leading experts Water Quality Treatment A Handbook on Drinking Water Sixth Edition covers state of the art technologies and methods for water treatment and quality control Significant revisions and new material in this edition reflect the latest advances and critical topics in water supply and treatment Presented by the American Water Works Association this is the leading source of authoritative information on drinking water quality and treatment NEW CHAPTERS ON Chemical principles source water composition and watershed protection Natural treatment systems Water reuse for drinking water augmentation Ultraviolet light processes Formation and control of disinfection by products DETAILED COVERAGE OF Drinking water standards regulations goals and health effects Hydraulic characteristics of water treatment reactors Gas liquid processes and chemical oxidation Coagulation flocculation sedimentation and flotation Granular media and membrane filtration Ion exchange and adsorption of inorganic contaminants Precipitation coprecipitation and precipitative softening Adsorption of organic compounds by activated carbon Chemical disinfection Internal corrosion and deposition control Microbiological quality control in distribution systems Water treatment plant residuals management

**Applied Criteria for Municipal Water Rate Structures** University of Florida. Department of Economics, Charles Wesley Fristoe, 1967    **Water Utility Management** American Water Works Association, 1980

**Water Works Engineering**, 1928    Wisconsin Municipal Water Conservation Procedures Manual, 1985    Water Resources Journal, 1992    **Filtration Strategies to Meet the Surface Water Treatment Rule** Raymond D. Letterman, 1991    Water Filtration Practices Gary S. Logsdon, 2008 Written for experienced plant staff this book covers granular media filters identification of deficiencies and optimization with rapid gravity filtration or pressure processes plus information on slow sand filters and precoat filtration

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