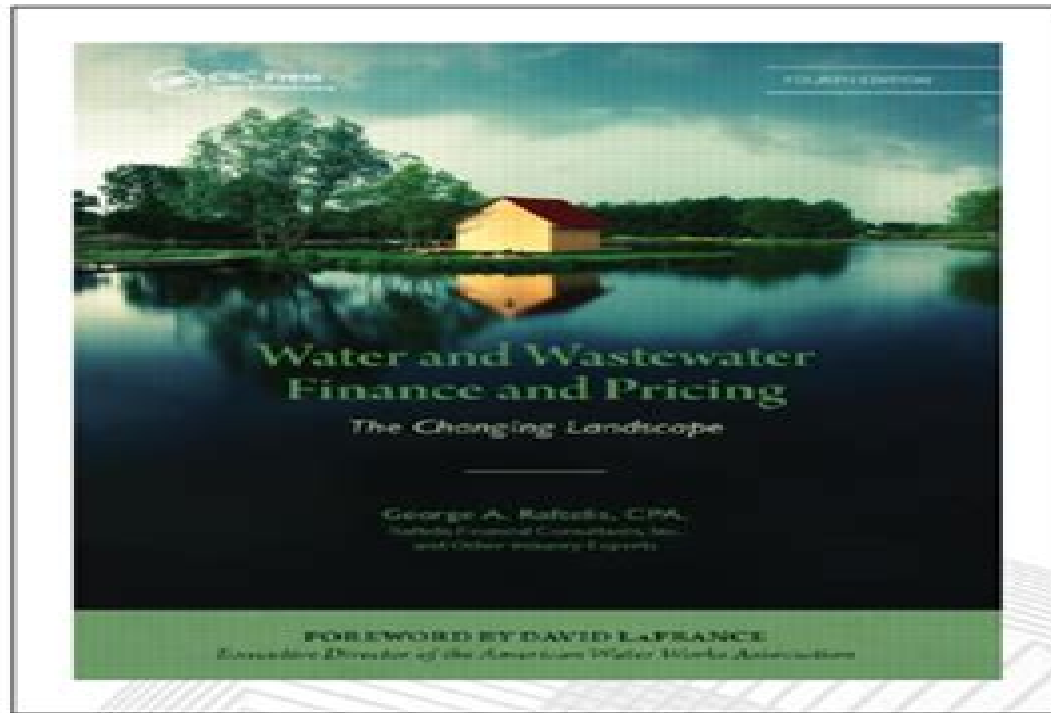


# Water and Wastewater Finance and Pricing The Changing Landscape 4th Edition George A. Raftelis



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# Water And Wastewater Finance And Pricing The Changing Landscape Fourth Edition

**George A. Raftelis**



## **Water And Wastewater Finance And Pricing The Changing Landscape Fourth Edition:**

*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 and*

*Wastewater Finance and Pricing* George A. Raftelis, 2005-05-26 *Water and Wastewater Finance and Pricing A Comprehensive Guide Third Edition* provides a framework from which utility professionals can address financial planning and pricing objectives In this volume the lead author and his co authors apply experience gained over the past quarter century working with nearly 1000 utilities throughout the United States This book can be used as a management tool and technical guide to beneficial financial planning and rate setting practices The third edition significantly expands its discussion into emerging areas reflecting the numerous changes that have occurred in recent years It begins by analyzing the financial planning challenges facing utilities and discusses the process for developing a financial plan The next section explores delivery methods and systems followed by an examination of cost determination and the rate setting process The book concludes with coverage of miscellaneous financial issues faced by utility professionals

**Comprehensive Guide to Water and Wastewater Finance and Pricing** George A. Raftelis, 1992-12-18 *Comprehensive Guide to Water and Wastewater Finance and Pricing Second Edition* provides an updated and expanded examination of the principal aspects of financing and pricing for water and wastewater utilities Organized in two sections this new edition covers everything from privatization and setting rate structures to long term and short term financing Traditional and innovative financing methods and pricing structures are provided The guide also shows how to design appropriate pricing structures to ensure equity and self sufficiency What is new in the Second Edition *Comprehensive Guide to Water and Wastewater Finance and Pricing Second Edition* has been significantly revised and expanded to address current trends in the industry The new edition features expanded discussions of state revolving loan funds SRFs as a financing method for local governments the privatization concept and current incentives and disincentives associated with environmental privatization the impact on public private partnerships of the President s executive order relating to grant funded facilities and proposed tax legislation that could have a significant impact on environmental infrastructure financing The new edition provides a detailed example of how a utility would establish revenue requirements and then structure a set of rates to recover these requirements It also provides a comprehensive chapter on conservation pricing which discusses the background of conservation rates advantages and disadvantages and design considerations of conservation rate structures uniform rates inverted block rates seasonal rates and marginal cost rates Results from Ernst Young s 1992 National Water and Wastewater Survey are supplied as well *Comprehensive Guide to Water and Wastewater Finance and Pricing Second Edition* will be an indispensable reference for water and wastewater management professional engineers U S government officials state and local government planners investment bankers utility entrepreneurs directors of water and wastewater utilities finance managers utility and environmental attorneys and financial and rate consultants

**Water and Wastewater Finance and Pricing** George A. Raftelis, 2005-05-26 *Water and Wastewater Finance and Pricing A Comprehensive Guide Third Edition* provides a framework from which utility professionals can address financial planning and pricing objectives In this volume the lead author and his

co authors apply experience gained over the past quarter century working with nearly 1000 utilities throughout the United States

*Video Source Book* Gale Group,1999-10-28 A guide to programs currently available on video in the areas of movies entertainment general interest education sports recreation fine arts health science business industry children juvenile how to instruction

*Books in Series* ,1985 Vols for 1980 issued in three parts Series Authors and Titles *The American City* Arthur Hastings Grant,Harold Sinley Bутtenheim,1950 *Current Law Index* ,2003

**Financing and Charges for Wastewater Systems** (WEF) Water Federation,2025-06-27 Financing and Charges for Wastewater Systems MOP 27 5th Edition provides an overview of current industry practices that should be considered for financing and establishing rates and charges for wastewater collection and treatment systems In addition this Manual of Practice reflects and is responsive to changes in the industry over the last decade that have occasioned a heightened awareness about wastewater utility financial management and the equitable distribution of cost responsibilities across customer groups or classes These changes including tightening environmental regulation and replacement of aging infrastructure have resulted in a pronounced increase in the cost of wastewater services At the same time the portion of costs paid through federal and state assistance programs have declined challenging the affordability of this vital service In this context guidance on wastewater rate setting practices and particularly the distribution of costs across groups is of critical importance

Fundamentals of Water Finance Michael Curley,2016-10-14 This book addresses ways to provide the highest quality water services at the lowest possible cost and examines the major finance issues that system managers face It deals with grants loans municipal bonds tariffs rates and subsidies as well as the major government finance programs offered by the Department of Agriculture and the EPA It also provides managers with the tools to devise innovative financial strategies to make their systems much more efficient This fully revised edition presents an easy to read guide for understanding the myriad options available for financing water and wastewater projects and how to evaluate the most appropriate options

**An Issuer's Guide to Water and Wastewater Finance** Orrick, Herrington & Sutcliffe,2001

**Financing and Charges for Wastewater Systems** Water Environment Federation,2018-04-15 This 4th edition of Financing and Charges for Wastewater Systems provides an overview of current industry practices that should be considered for financing and establishing rates and charges for wastewater collection and treatment systems In addition this Manual of Practice reflects and is responsive to changes in the industry over the last decade that have occasioned a heightened awareness about wastewater utility financial management and the equitable distribution of cost responsibilities across customer groups or classes These changes including tightening environmental regulation and replacement of aging infrastructure have resulted in a pronounced increase in the cost of wastewater services At the same time the portion of costs paid through federal and state assistance programs have declined challenging the affordability of this vital service In this context guidance on wastewater rate setting practices and particularly the distribution of costs across user groups is of critical importance As individual wastewater utilities address their financial

management challenges it is important that their practices for setting rates and charges be responsive to the unique circumstances and values of the communities they serve Accordingly this manual offers industry accepted guidance in addressing these challenges without prescribing specific methods In many instances acceptable methodological alternatives are presented Financing and Charges for Wastewater Systems is structured to provide the reader with an overview of financing mechanisms for wastewater systems and a framework for development of wastewater rates and charges

**Pricing Water Resources and Water and Sanitation Services** Organisation for Economic Co-Operation and Development (OECD),2010-03-15 Part of OECD Water Policy and Finance Set Buy all four reports and save over 30% on buying separately In both OECD and non OECD countries the water sector is facing the challenges of increased competition for water resources deteriorating water quality and the effects of climate change and poor management In this context how can countries ensure access to adequate sustainable and affordable water and sanitation services for all Pricing water related services is an essential part of the answer This report compiles reliable and comparable data on pricing water and on water supply and sanitation services across OECD countries It sheds additional light on such policy issues as the choice of tariff structures for water services cost recovery for water services and affordability Further reading Sustainable Management of Water Resources in Agriculture 2010 Managing Water for All 2009 Private Sector Participation in Water Infrastructure OECD Checklist for Public Action 2009 Social Issues in the Provision and Pricing of Water Services 2003 The Price of Water Trends in OECD Countries 1999 Visit [http://www.iwaterwiki.org/xwiki/bin/view/Articles/UsefulResourcesforDevelopingCountries\\_0](http://www.iwaterwiki.org/xwiki/bin/view/Articles/UsefulResourcesforDevelopingCountries_0) to access the OECD area on the IWA WaterWiki [Water Finance](#) Neil S. Grigg,2011-05-23 A detailed look at the water industry and the trends that can lead to investment opportunities Water has quickly grown into a big global business with annual revenues in the United States alone reaching over 200 billion In the years ahead companies as well as governments must find innovative ways to address important issues within this field without sacrificing basic needs such as safety of drinking water or the reliability of water for energy production Nobody understands this better than author Neil Grigg a forty year veteran of the water industry and now with Water Finance he shares his extensive experience with you Most of the water business operates under the radar but with this reliable resource Grigg shines a bright light on this essential area and offers comprehensive coverage of the public responsibilities and private opportunities associated with it While Water Finance does contain many facts and figures it also takes the time to pull together the various aspects of water going far beyond water as just a commodity to skillfully explain it as the integrated business that it is Opens with a detailed discussion of the water industry before turning its focus to water handling which includes water supply wastewater industrial water storm water irrigation and drainage and instream flows Reveals the different driving forces and issues surrounding the water industry such as government involvement privatization law and regulations financial structure water and health and workforce capacity Offers insights on water industry business careers and investments Organized around the idea that the

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