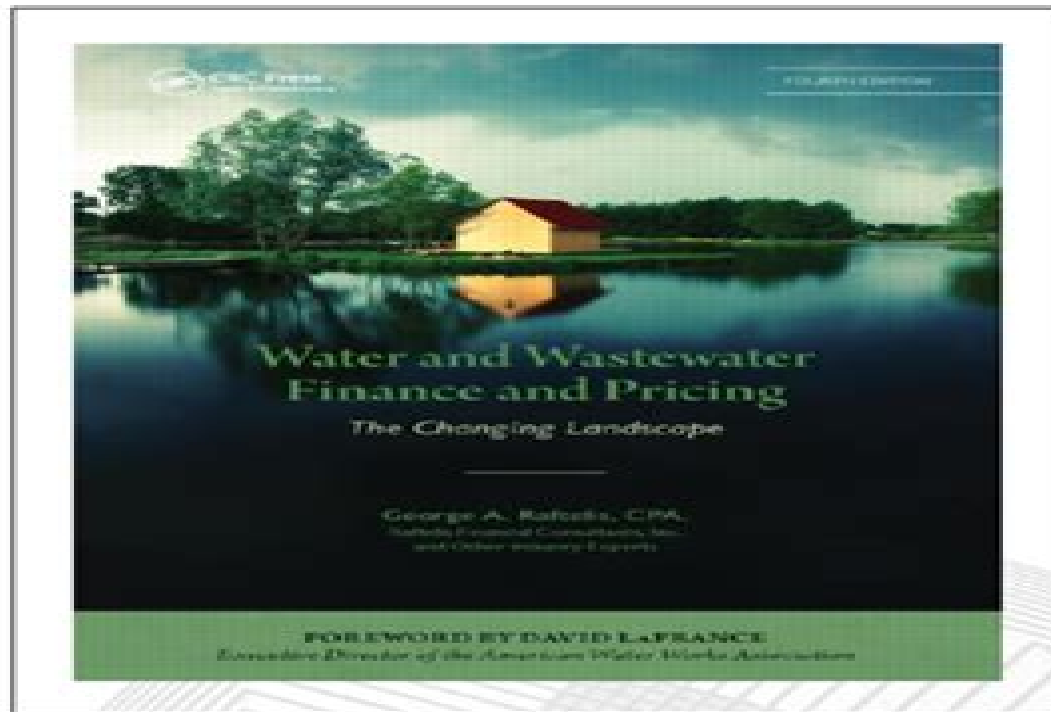


Water and Wastewater Finance and Pricing The Changing Landscape 4th Edition George A. Raftelis



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George A. Raftelis



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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*

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Water Resource Economics, second edition Ronald C. Griffin, 2016-03-11 Updated edition of a comprehensive introduction to the economics of water management with self contained treatment of all necessary economic concepts Economics brings powerful insights to water management but most water professionals receive limited training in it The second edition of this text offers a comprehensive development of water resource economics that is accessible to engineers and natural scientists as well as to economists The goal is to build a practical platform for understanding and performing economic analysis using both theoretical and empirical tools Familiarity with microeconomics or natural resource economics is helpful but all the economics needed is presented and developed progressively in the text The book focuses on the scarcity of water quantity rather than on water quality The author presents the economic theory of resource allocation recognizing the peculiarities imposed by water and then goes on to treat a range of subjects including conservation groundwater depletion water law policy analysis cost benefit analysis water marketing privatization and demand and supply estimation Added features of this updated edition include a new chapter on water scarcity risk with climate change and necessary risk tools introduced progressively and new risk attentive material elsewhere in the text sharper treatment of block rates and pricing doctrine expanded attention to contemporary literature and issues and new appendixes on input output analysis water footprinting and virtual water and cost allocation Each chapter ends with a summary and exercises *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

Forthcoming Books Rose Army, 1997-04 Real Estate Record and Builders' Guide, 1914 **Books in Series**, 1985 Vols for 1980 issued in three parts Series Authors and Titles **The American City** Arthur Hastings Grant, Harold Sinley Bittenheim, 1950 Canadian Who's Who Kieran Simpson, 1992-04 *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

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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. *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. 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 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 water business is about all aspects of handling water from the global environment to your tap Water Finance contains the information you need to succeed in this dynamic field [Financing and Charges for Wastewater Systems WEF MOP 27 : WEF Manual of Practice No. 27](#) Water Environment Federation, 2004-09-12 Provides a general overview of the current practices and procedures that should be considered for financing and establishing rates and charges for wastewater collection and treatment systems It updates the 1984 Edition of Financing and Charges for Wastewater Systems co published by American Society of Civil Engineers ASCE and American Public Health Association APHA then in its second edition and serves as a guide to wastewater utility managers municipal officials engineers accountants and rate analysts Because the material was updated using a more rigorous peer review process the publication is now classified as a Manual of Practice This manual is not intended to provide a simplistic cook book or universal approach to cost allocation and rate making Rather it is meant to illustrate the various ways of analyzing and allocating the operating and capital costs associated with collecting and treating wastewater and developing rates and charges that reasonably and equitably reflect the cost of service The manual stresses the complexity of the integrated considerations involved in developing wastewater system cost allocation and rates for services

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