1. Record Nr. UNINA9910810569503321 Autore Hoque Sonia Ferdous Titolo Water conservation in urban households: roles of prices, policies and technologies / / Sonia Ferdous Hoque London, England: ,: IWA Publishing, , 2014 Pubbl/distr/stampa ©2014 **ISBN** 1-78040-548-0 Descrizione fisica 1 online resource (153 p.) Disciplina 333.9116 Soggetti Water conservation Municipal water supply Residential water consumption Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. ""Cover""; ""Copyright""; ""Contents""; ""List of Figures""; ""List of Nota di contenuto Tables""; ""List of Boxes""; ""About the Author""; ""Preface""; ""Chapter 1: Water Conservation: The Answer to Water Shortagein the 21st Century""; ""1.1 The Changing Water Paradigm""; ""1.2 Human Right to Water""; ""1.3 Water as an Economic Good""; ""1.4 Water Use Efficiency""; ""1.5 The Benefits of Water Conservation""; ""1.5.1 Benefits to consumers""; ""1.5.2 Benefits to utilities""; ""1.5.3 Benefits to the environment""; ""1.5.4 Benefits to the economy""; ""1.6 Water Consumption in Urban Households"" ""1.7 Conclusion""""Endnotes""; ""Chapter 2: Determinants of Domestic Water Consumption: Theories and Observations""; ""2.1 Theories of Environmental Beliefs and Behaviours""; ""2.2 Determinants of Domestic Water Consumption""; ""2.2.1 Household income""; ""2.2.2 Household size and age composition""; ""2.2.3 Attitudes, social norms, and behaviour""; ""2.2.4 Water price""; ""2.2.5 Dwelling type and ownership""; ""2.2.6 Regulatory policies""; ""2.2.7 Technology""; ""2.2.8 Climatic variations""; ""2.3 Conclusion""; ""Endnote""; ""Chapter 3: Role of Prices: Water Tariffs"" ""3.1 Overview of Water and Wastewater Tariffs"""3.2 Analysis of Water

and Wastewater Tariffs""; ""3.2.1 Two part tariff: fixed + volumetric charges""; ""3.2.2 Single part tariff: increasing block tariffs""; ""3.2.3

Single part tariff: constant unit charges""; ""3.2.4 Single part tariff: decreasing block tariffs""; ""3.2.5 Single part tariff: seasonal water pricing""; ""3.2.6 Additional tariff components: conservation taxes""; ""3.2.7 Income based measures: discounts or payment assistance""; ""3.2.8 Income based measures: subsidised network connections"" ""3.2.9 Unmetered flat tariff structure""""3.3. Objectives of Water Pricing""; ""3.3.1. Revenue sufficiency""; ""3.3.2. Affordability""; ""3.3.3. Equity""; ""3.3.4. Demand management""; ""3.4. Water Pricing as a Tool for Conservation""; ""3.4.1. Designing a conservation oriented rate structure""; ""3.4.2. Communication of the price signal through consumer billing""; ""3.5. Conclusion""; ""Endnotes""; ""Chapter 4: Role of Policy: Regulations and Conservation Programs""; ""4.1 Restriction on Specific Water Use Activities""; ""4.1.1 Costs of restrictions""; ""4.1.2 Benefits of restrictions"" ""4.1.3 Consumersa€? willingness to pay to avoid restrictions""""4.2 Promotion of Water-Saving Devices""; ""4.3 Public Awareness Campaigns""; ""4.4 Conclusion""; ""Chapter 5: Role of Techonology: Water Saving Devices""; ""5.1 Overview of Water Saving Devices""; ""5.1.1 Toilets""; ""5.1.2 Shower heads""; ""5.1.3 Faucets""; ""5.1.4 Washing machines""; ""5.1.5 Urinals""; ""5.1.6 Dishwashers""; ""5.2 Adoption of Water Efficient Devices"": ""5.3 Water Efficiency Labelling"": ""5.4 Rebates to Promote Water Efficient Fixtures""; ""5.5 Conclusion"" ""Chapter 6: Demand Side Management Tools: Comparing Price and

Non-Price Approaches""