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| Altri autori (Persone) | BrandtMalcolm J JohnsonK. Michael TwortA. C <1920-> (Alan Charles) |
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| Nota di contenuto | Front Cover; Half Title Page; Title Page; Copyright Page; Dedication; Table of Contents; Foreword; Preface; Abbreviations for Organisations; Contributing Authors, Reviewers and Advisors; Chapter 1. The Demand for Public Water Supplies; 1.1 Categories of Consumption; 1.2 Levels of Total Consumption; 1.3 Domestic Demand; Components of Domestic In-House Consumption; Outdoor Domestic Use for Garden Irrigation and Bathing Pools; 1.4 Standpipe Demand; 1.5 Suggested Domestic Design Allowances; 1.6 Non Domestic Demand; 1.7 Public and Miscellaneous Use of Water; 1.8 Water Losses 1.9 Real Losses (leakage) from 24-hour Supply Systems1.10 Supply Pipe Leakage and Consumer Wastage; 1.11 Minimum Night Flow as Indicator of Leakage and Wastage; 1.12 Variations in Demand (Peaking Factors); Maximum and Minimum Hourly rate of consumption; Seasonal Variations; 1.14 Water Conservation and Demand Management; 1.15 The Question of Metering Domestic Supplies in the UK; 1.16 Effect of Price on Water Demand; 1.17 Assessing Future Demand in Developing Countries; 1.18 Consumption Surveys; 1.19 Test-metering In-house |

Domestic Consumption; References

Chapter 2. Water Supply Regulation, Protection, Organisation and Financing
Development, Regulation and Protection; 2.1 Control of Public Water Supplies; 2.2 Control of Abstractions; 2.3 Public Water Supplies in the USA; 2.4 Public Water Supplies in Mainland Europe; 2.5 Public Water Supplies in Scotland and Northern Ireland; 2.6 Water Supply Abstraction and Regulation in the England and Wales; 2.7 The 'Privatisation' of Water in England and Wales; 2.8 Experience with Water Privatisation in UK; 2.9 Functions of the US Environmental Protection Agency; 2.10 The Environment Agency (UK)
2.11 The European Water Framework Directive
2.12 Other Pollution Control Measures in the UK; Organisation; 2.13 Organization of a Water Utility; 2.14 Staffing Levels; Project Appraisal and Financing of Capital Works; 2.15 Appraisal Requirements; 2.16 Economic Comparison of Proposed Capital Projects; 2.17 Comments on the Use of Discounting; 2.18 Short and Long Term Marginal Costing; 2.19 Other Aspects of Project Assessment; 2.20 Sustainability and Engineering Choices; 2.21 Financing of Capital Works; 2.22 Depreciation and Asset Management Planning
2.23 Private Sector Participation in Water Supply
2.24 Private Sector Build Contracts; 2.25 Private Sector Operation Agreements; 2.26 Charging for Public Water Supplies; 2.27 Comparison of Charges for Water and Other Data; References; Chapter 3. Hydrology and Surface Supplies; Part I Hydrological Considerations; 3.1 Introduction; 3.2 Catchment Areas; 3.3 Data Collection; 3.4 Streamflow Measurement; 3.5 Rainfall Measurement; Measurement of Catchment Rainfall; 3.6 Evaporation and Transpiration Measurement; 3.7 Soil Moisture Measurement; 3.8 Catchment Losses; 3.9 Streamflow Naturalisation
3.10 Long Term Average Catchment Run-off

Sommario/riassunto

Water Supply has been the most comprehensive guide to the design, construction and operation of water supply systems for more than 40 years. The combined experience of its authors make it an unparalleled resource for professionals and students alike. This new sixth edition has been fully updated to reflect the latest WHO, European, UK and US standards, including the European Water Framework Directive. The structure of the book has been changed to give increased emphasis to environmental aspects of water supply, in particular the critical issue of waste reduction and conservation
