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Nota di contenuto	Intro -- ENERGY RESEARCH DEVELOPMENTS:TIDAL ENERGY, ENERGY EFFICIENCYAND SOLAR ENERGY -- CONTENTS -- PREFACE -- MULTIPLE EFFECT DISTILLATION OF SEAWATERWATER USING SOLAR ENERGY - THE CASEOF ABU DHABI SOLAR DESALINATION PLANT -- Abstract -- 1. Introduction -- 2. History of Abu Dhabi Solar Desalination Plant -- 3. Description of Abu Dhabi Solar Desalination Plant -- 3.1. Plant Description -- 3.1.1. The Solar Heat Collector Subsystem -- 3.1.2. The Heat Accumulator Subsystem -- 3.1.3. MED Evaporator Subsystem -- 3.2. Design Features -- 4. Measurements and Data Acquisition System -- 4.1. Measuring the Heat Collected in Block F -- 5. Data Analysis -- 5.1. Calculating the Solar Radiation on Absorber Plate -- 5.2. Calculating the Amount of Heat Collected and Collector Outlet WaterTemperature -- 5.3. Calculating the Performance of the Evaporator -- 5.3.1. Calculating the Brine Concentration for Each Effect -- 5.3.2. OHTC of Heater (First Effect) -- 5.3.3. Average OHTC of Other Evaporator Effects -- 5.3.4. Average OHTC of Preheaters -- 5.3.5. OHTC of Condenser -- 5.3.6. Evaporator Economy -- 6. Weather Condition in Abu Dhabi -- 7. Operating Characteristics -- 7.1. Heat Collecting Subsystem -- 7.1.1. Heat Collector Efficiency --

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Cost of Development and Production.

Sommario/riassunto

Energy fuels modern society, though it is often taken for granted. This book presents leading research on energy from around the world with an emphasis on tidal energy, energy efficiency and solar energy.
