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	 1.9.3. Compressed Natural Gas (CNG)1.9.4. Gas-to-Liquids (GTL); 1.9.5. Gas-to-Solid (GTS); 1.9.6. Gas-to-Wire (GTW); 1.9.7. Comparison Between Various Methods; 1.10. Dynamics of Global Gas Business; 1.11 References; Chapter 2: Natural Gas Energy Pricing; 2.1. Introduction; 2.2. Energy Pricing, Supply, and Demand; 2.3. Sustainability and the Increasing Fascination with Natural Gas; 2.4. Is Natural Gas Always "Nonrenewable ?; 2.5. U.S. Natural Gas: Pricing, Markets, Risk Management, and Supply; 2.5.1. Some Ongoing Features of Natural Gas Pricing in the United States 2.5.2. U.S. Energy Markets: The Regulation-Deregulation Nexus2.5.3. Energy Price Volatility and Derivatives; 2.5.4. Natural Gas Supply in North America; 2.5.4.1. The Special Position of the United States; 2.6. Natural Gas in Eurasia: the Special Position of Post-Soviet Russia; 2.7. Looking to Nature for a New Model; 2.8 References; Chapter 3: Raw Gas Transmission; 3.1. Introduction; 3.2. Multiphase Flow Terminology; 3.2.1. Superficial Velocity; 3.2.2. Mixture Velocity; 3.2.3. Holdup; 3.2.4. Phase Velocity; 3.2.5. Slip; 3.2.6. Mixture Density; 3.2.7. Mixture Viscosity 3.2.8. Mixture Pressure Drop3.2.9. Mixture Enthalpy; 3.3. Multiphase Flow Regimes; 3.3.1. Two-Phase Flow Regimes; 3.3.1.1. Horizontal Flow Regimes; 3.3.1.2. Vertical Flow Regimes; 3.3.1.3. Inclined Flow Regimes; 3.3.1.4. Flow Pattern Maps; 3.3.2. Three-Phase Flow Regimes; 3.3.3. Gas/Condensate Flow Regimes; 3.4.1.2. Homogeneous Flow Regimes; 3.4.1.3. Mechanistic Models; 3.4.2. Steady-State Three- Phase Flow; 3.4.3. Transient Multiphase Flow; 3.4.3.1. Two-Fluid Model 3.4.3.2. Drift-Flux Model
Sommario/riassunto	A unique, well-documented, and forward-thinking work, the second edition of Handbook of Natural Gas Transmission and Processing continues to present a thoroughly updated, authoritative, and comprehensive description of all major aspects of natural gas transmission and processing. It provides an ideal platform for engineers, technologists, and operations personnel working in the natural gas industry to get a better understanding of any special requirements for optimal design and operations of natural gas transmission pipelines and processing plants. First book of its kind that c