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INDUSTRY FUNDAMENTALS

Unit A: The Power of Energy	Unit B: The Evolution of Energy	Unit C: Our Interconnected Energy System	Unit D: Show Me the Money
Chapter 1	**Chapter 5**	**Chapter 9**	**Chapter 13**
Get Up to Speed on Energy Careers and Concepts	The Past, Present, and Future of Energy	The Power Transmission System	How Bills Come Together
Chapter 2	**Chapter 6**	**Chapter 10**	**Chapter 14**
Fueling Our Energy Future	Companies that Power America	Our Power Distribution System	Policies and Politics in Practice
Chapter 3	**Chapter 7**	**Chapter 11**	**Chapter 15**
The Technologies that Generate Electricity	Keeping the Grid Reliable and Safe	The Pivotal Role of Natural Gas	Energy Careers and Energy Justice
Chapter 4	**Chapter 8**	**Chapter 12**	**Chapter 16**
Our Generation's Energy Trends	The Future of Energy Companies	The Drive for Grid Modernization	Bringing it All Together

Unit A: The Power of Energy	Unit B: The Evolution of Energy	Unit C: Our Interconnected Energy System	Unit D: Show Me the Money
Chapter 1: Get Up to Speed on Energy Careers and Concepts	**Chapter 5:** The Past, Present, and Future of Energy	**Chapter 9:** The Power Transmission System	**Chapter 13:** How Bills Come Together
A.1.1 Find Your Exceptional Field in Energy **A.1.2** What Exactly is Energy Anyway? **A.1.3** Here's Why Energy is Important **A.1.4** Energy Efficiency Everywhere **A.1.5** Energy Systems are Ecosystems **A.1.6** Getting Real About Workplace Safety **A.1.7** Organizations that Prioritize Safety **A.1.8** Good Regulations Do Great Things	**B.5.1** Electric Revolution: From Lightning to Current War **B.5.2** The First Energy Companies **B.5.3** The Rapid Expansion of Electricity Service	**C.9.1** The Lowdown on High-Voltage Transmission **C.9.2** Power Transmission Lines, Towers and Transformers **C.9.3** Electric Transmission System Challenges and Opportunities	**D.13.1** Breaking Down Bills **D.13.2** Deciphering the Fine Print **D.13.3** Distributed Generation: Behind-the-Meter Systems
Chapter 2: Fueling Our Energy Future	**Chapter 6:** Companies that Power America	**Chapter 10:** Our Power Distribution System	**Chapter 14:** Policies and Politics in Practice
A.2.1 What Are the Facts on Fuels? **A.2.2** Where Generation Meets Demand	**B.6.1** Utilities and Agencies With Power **B.6.2** Case Study: North Carolina **B.6.3** Clearing the Air: Energy and Pollution	**C.10.1** Introduction to the Distribution System **C.10.2** Distribution System Components **C.10.3** Maintenance and Safety: Make It A Priority	**D.14.1** Public Policy and the Energy Industry **D.14.2** Demand-Side Management and Distributed Energy Storage
Chapter 3: The Technologies that Generate Electricity	**Chapter 7:** Keeping the Grid Reliable and Safe	**Chapter 11:** The Pivotal Role of Natural Gas	**Chapter 15:** Energy Careers and Energy Justice
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Chapter 4: Our Generation's Energy Trends	**Chapter 8:** The Future of Energy Companies	**Chapter 12:** The Drive for Grid Modernization	**Chapter 16:** Bringing it All Together
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Bonus Modules
Cybersecurity for the Energy Industry
Electric Vehicles and Charging Infrastructure Expansion
Energy Storage Technologies and Deployment Trends
Building the Green Hydrogen Industry
Military Energy Deployments and Careers
Nuclear Power and Its Role in Decarbonization