



<p><u>Unit A:</u> The Power of Energy</p>	<p><u>Unit B:</u> The Evolution of Energy</p>	<p><u>Unit C:</u> Our Interconnected Energy System</p>	<p><u>Unit D:</u> Show Me the Money</p>
<p>Chapter 1</p>	<p>Chapter 5</p>	<p>Chapter 9</p>	<p>Chapter 13</p>
<p>Our Energy Ecosystem</p>	<p>The Past, Present, and Future of Energy</p>	<p>The Power Transmission System</p>	<p>Metering, Billing, and Rate Schedules</p>
<p>Chapter 2</p>	<p>Chapter 6</p>	<p>Chapter 10</p>	<p>Chapter 14</p>
<p>Fueling Our Energy Future</p>	<p>Companies that Power America</p>	<p>The Power Distribution System</p>	<p>Distributed Generation, Electric Vehicles and Load Management</p>
<p>Chapter 3</p>	<p>Chapter 7</p>	<p>Chapter 11</p>	<p>Chapter 15</p>
<p>The Technologies that Generate Electricity</p>	<p>Keeping the Grid Reliable and Safe</p>	<p>Natural Gas Transmission, Distribution and End Use</p>	<p>Energy Careers and Energy Justice</p>
<p>Chapter 4</p>	<p>Chapter 8</p>	<p>Chapter 12</p>	<p>Chapter 16</p>
<p>Our Generation's Energy Trends</p>	<p>The Future of Energy Companies</p>	<p>The Drive for Grid Modernization</p>	<p>Your Future in Energy: Bringing it All Together</p>

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: Our Energy Ecosystem	Chapter 5: The Past, Present, and Future of Energy	Chapter 9: The Power Transmission System	Chapter 13: Metering, Billing, and Rate Schedules
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 Components of Electric Bills D.13.2 Billing, Net Metering, Net Billing D.13.3 Levelized Cost of Energy
Chapter 2: Fueling Our Energy Future	Chapter 6: Companies that Power America	Chapter 10: The Power Distribution System	Chapter 14: Distributed Generation, Electric Vehicles and Load Management
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 Distributed Energy Resources D.14.2 Distributed Generation Markets D.14.3 Energy Policy and Players
Chapter 3: The Technologies that Generate Electricity	Chapter 7: Keeping the Grid Reliable and Safe	Chapter 11: Natural Gas Transmission, Distribution and End Use	Chapter 15: Energy Careers and Energy Justice
A.3.1 Steam-Electric Power Basics A.3.2 Natural Gas A.3.3 Coal A.3.4 Nuclear A.3.5 Wind A.3.6 Hydroelectric A.3.7 Solar Photovoltaics (PV) A.3.8 Biomass and Biogas A.3.9 Geothermal	B.7.1 Power Players: FERC, NERC, and the IEEE B.7.2 What is Deregulation?	C.11.1 Natural Gas Production, Transmission, Distribution and Direct Use C.11.2 Natural Gas Power Generation, Challenges and Opportunities	D.15.1 Energy Industry Career Pathways D.15.2 Building Your Career in Energy D.15.3 Energy Justice
Chapter 4: Our Generation’s Energy Trends	Chapter 8: The Future of Energy Companies	Chapter 12: The Drive for Grid Modernization	Chapter 16: Your Future in Energy: Bringing it All Together
A.4.1 Ch-ch-ch-ch-changes A.4.2 Emerging Fuel: Hydrogen A.4.3 Emerging Fuel: Marine Energy A.4.4 Energy Storage Systems (ESS)	B.8.1 The Business of Energy B.8.2 Business Case Studies: Constellation and Exelon B.8.3 Rebalancing the Carbon Cycle	C.12.1 Risks to our Energy Infrastructure C.12.2 The Grid Expansion Imperative C.12.3 What’s So Smart About a Smart Grid?	D.16.1 Revisiting the Energy Industry D.16.2 Reviewing Technology and Trends D.16.3 The Future of Energy



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

