The natural gas and electricity industries are complex. Training your workforce doesn’t have to be.

Enerdynamics partners with energy companies of all sizes to educate and engage employees whose everyday success relies on a solid understanding of the natural gas and electric industries. Whether it’s a live seminar, online course, book, or our new Energy KnowledgeBase, our high-quality business acumen training is infused with brilliant visuals, easy-to-follow language, current events and statistics, and engaging activities that elevate the overall learning experience.
Online Learning

COURSES
Our courses take from 20 to 60 minutes to complete and focus on a variety of industry topics. Many are also bundled into learning paths that provide comprehensive learning on a specific area of study.

Natural Gas
- Basic Concepts of Energy Regulation
- Basic Concepts of Natural Gas
- Concepts of Natural Gas and Electricity Deregulation
- Gas Customers
- Gas Market Strategies
- Gas Market Structures and the Roles of Market Participants
- Gas Operations
- Gas Services and Markets
- Gas System Construction and Maintenance
- Gas System Operations and Emergency Response
- Gas System Design and Planning
- Introduction to Demand Response Fundamentals
- Introduction to Hydrogen
- Key Components of a Natural Gas Delivery System
- Principles of Gas Supply, Demand, and Pricing
- Regulatory Proceedings
- Revenue Requirements and Ratemaking
- The Gas Delivery System

Electricity
- Basic Concepts of Electricity
- Basic Concepts of Energy Regulation
- Biopower
- Concepts of Natural Gas and Electricity Deregulation
- Distributed Energy Resource Technologies
- Distributed Energy Resources in Electric Markets
- Electric Customers
- Electric Meters and Metering
- Electric Supply and Demand
- Electric System Operations
- Electrical Services
- Energy Blockchains Explained
- Generating Electricity
- Geothermal Power
- How Power Markets Work
- Hydrokinetic Power
- Hydropower
- Integrating Distributed Energy Resources into the Bulk Electric System
- Integrating Distributed Energy Resources into the Distribution System
- Introduction to Demand Response Fundamentals
- Introduction to Distributed Energy Resources
- Introduction to Hydrogen
- Power Market Structures and Participants
- Power Markets and Services
- Regulatory Proceedings
- Revenue Requirements and Ratemaking
- Solar Power
- The Electric Delivery System
- The Electrical Transmission System
- The Future of Electricity
- Wind Power

LEARNING PATHS
Most of our courses are also bundled into learning paths that offer a more comprehensive study of various topics. Learning paths can be used to onboard new employees, provide a cost-effective alternative to live training, or even serve as prerequisites for advanced training programs. See www.enerdynamics.com for a detailed outline of each learning path’s content.

Energy Regulation Fundamentals
- An in-depth overview of energy regulation

Gas Market Dynamics
- An overview of North American gas markets

Gas System Fundamentals
- A look at key components of the gas physical system

Gas System Fundamentals - Condensed
- A one-hour nutshell version of Gas System Fundamentals

Energy Blockchains Explained
- Generating Electricity
- Geothermal Power
- How Power Markets Work
- Hydrokinetic Power
- Hydropower
- Integrating Distributed Energy Resources into the Bulk Electric System
- Integrating Distributed Energy Resources into the Distribution System
- Introduction to Demand Response Fundamentals
- Introduction to Distributed Energy Resources

Electric System Fundamentals
- An introduction to the basic principles of the physical system

Electric System Fundamentals - Condensed
- A one-hour nutshell overview of Electric System Fundamentals

Energy Regulation Fundamentals
- An in-depth overview of energy regulation

How Utilities Make Money
- An uncomplicated look at how utilities make money

Introduction to Electric Cooperatives
- An introduction to Electric Cooperatives

Introduction to Utilities
- An introduction to the world of electric cooperatives

Introduction to Utilities
- An introduction to the world of gas and electric utilities

Introduction to Utilities
- An introduction to the world of gas and electric utilities

ISO Market Basics
- A basic introduction to Independent System Operator (ISO) markets (MISO version also available)

Renewable Energy Overview
- A study of the renewable resources used to generate electricity

Wholesale Power Markets
- A look at the various ways wholesale markets are structured and operate

For more information on our online courses please contact us at 866-765-5432 ext. 700, info@enerdynamics.com, or www.enerdynamics.com
Enedynamics’ live seminars offer a custom, flexible and highly effective learning experience for groups as small as 10 and as large as 100 or more. All seminars have also been redesigned for virtual presentation. Our seminars feature in-depth, expert information and analysis on trending topics in today’s energy industry. Led by superior facilitators who are industry professionals and skilled communicators, our engaging presentations focus on interactivity, brilliant visuals, and group discussion. Our seminars can be customized with company-specific information and data.

### Natural Gas

**Gas and Electric Industry Basics**  
An in-depth introduction to the natural gas and electric industries: customers, systems/operations, regulation, markets, and market participants.

**Gas and Electric Industry Basics (condensed version)**  
A one-day entry-level introduction to the business of natural gas and electricity.

**Gas Fundamentals for Power Markets: Supply, Storage, and Transport**  
An overview of how gas systems and markets function and the various rules and practices that impact gas availability.

**Gas Industry Basics**  
An in-depth introduction to the natural gas industry: customers, system and operations, regulation, markets, and market participants.

**Gas Industry Basics (condensed)**  
A one-day entry-level introduction to the natural gas business.

**How Your Utility Makes Money**  
An uncomplicated (half-day) look at how utilities make money (customized to your utility).

**How Your Utility Sets Rates**  
An uncomplicated look (half-day) at the utility ratemaking process.

### Electricity

**Distributed Energy Resources and Microgrids: Applications, Technologies, and Economics**  
An in-depth study of the challenges and opportunities presented by increasing penetrations of distributed energy resources and microgrids.

**Electric Industry Basics**  
A comprehensive overview of the electric business: customers, the physical system, operations, regulation, markets, managing risk, and the future.

**Electric Industry Basics (condensed version)**  
A one-day entry-level introduction to the electricity business.

**Electric System Fundamentals: From Generation to the Meter**  
An overview of the basic principles of electricity and the components of the physical system that delivers it.

**Gas and Electric Industry Basics**  
An in-depth introduction to the natural gas and electric industries: customers, systems and operations, regulation, markets, and market participants.

**Gas and Electric Industry Basics (condensed version)**  
A one-day entry-level introduction to the business of natural gas and electricity.

**How Your Utility Makes Money**  
An uncomplicated (half-day) look at how utilities make money (customized to your utility).

**How Your Utility Sets Rates**  
An uncomplicated look (half-day) at the utility ratemaking process.

### The Future of the Utility: Evolving Customers, Changing Technology, Revised Regulation, New Business Models, and Growing Opportunities

A look at how emerging technologies and rising competition are rapidly changing the utility business model and are affecting how utilities offer services and make money.

**Utility Ratemaking: Now and in the Future**  
An applied workshop for utility leaders to solidify their understanding of ratemaking principles and how they are changing to meet the evolving utility business model.

### Distributed Energy Resources and Microgrids: Applications, Technologies, and Economics

An in-depth study of the challenges and opportunities presented by increasing penetrations of distributed energy resources and microgrids.

**Electric Industry Basics**  
A comprehensive overview of the electric business: customers, the physical system, operations, regulation, markets, managing risk, and the future.

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Books

Enerdynamics’ industry primers are written in straightforward, easy-to-understand language and are loaded with interesting charts and illustrations to help readers digest industry concepts and terms quickly and easily. Each book takes a unique and uncomplicated approach to explaining the complexities of the electric or natural gas industry.

Our books are now available in two formats: hard copy or digital (eBook)!

Natural Gas

Understanding Today’s Natural Gas Business
Presenting a comprehensive overview of the North American natural gas industry, this book covers natural gas origins (including shale gas), the major industry players, regulation, the physical natural gas system and how it’s operated, market dynamics, how industry players make money and manage risk, and much more.

Electricity

Understanding Today’s Electricity Business
Offering a detailed overview of the North American electric industry, this book covers the major industry players, regulation, the various deregulated market structures, the physical electric system and how it’s operated, market dynamics, how industry players make money and manage risk, and much more.

For more information on our books please contact us at 866-765-5432 ext. 700, info@enerdynamics.com, or www.enerdynamics.com

eLearningPortal

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Enerdynamics’ eLearningPortal offers learners on-demand access to four different types of content. Learning In Depth, Learning In a Nutshell, Resources, and Current Events. The eLearningPortal is licensed yearly and can be accessed via desktop, laptop, tablet, or smart phone. It is available in standard industry offerings (Electric, Gas, and combined Electric/Gas) or content can be customized to your specific organizational needs.

For more information on our eLearningPortal please contact us at 866-765-5432 ext. 700, info@enerdynamics.com, or www.enerdynamics.com