

Electric Industry Overview – Online

Course Length

Approximately six hours

Prerequisites

None

Course Description

This course provides a basic overview of how the electric business operates. It assumes little previous knowledge of the industry, and is appropriate for both new hires as well as those more experienced who can benefit from a broad understanding of industry dynamics. Most modules will take from 45 minutes to one hour to complete and include interactive assessments of your learning progress.

Who Should Take this Course?

This seminar is essential for anyone needing a broader perspective on how the electric business operates. Specifically, you should take the course if you are a(n):

- Senior manager needing a broader understanding of the electric business
- Professional moving into the electric industry from another industry
- Engineer working in the electric industry who needs to understand how the business operates
- Experienced energy industry employee needing a broader business overview
- Recent hire into an electric company
- Sales professional providing services to the electric industry
- Finance, legal, public relations, or regulatory professional
- Technical professional becoming involved in regulatory issues

What You Will Learn

Upon completing Electric Industry Overview, you will have a solid understanding of the workings of the electricity industry from generation to consumer. You will complete this seminar with a firm grasp of:

- Electric users and their needs
- The physical system and its operation
- Market structures and market participants
- Regulation of market participants
- Key trends to watch in the future
- And much more!

This knowledge will empower you to better interact with industry participants and to better understand the impact of your day-to-day activities on the marketplace as a whole.

8 Great Benefits You Won't Find Anywhere Else!

This Energy Essentials Online™ product has been uniquely designed to offer the best value in the business. With your purchase, you will receive:

- A 45-day single user license to the course – view the course material as many times and in any order you like during the license period.
- E-mail access to Enerdynamics – feel free to ask any questions relevant to the course material.
- Professional audio and animated content – this is not a page turner!
- Online exercises – designed to cement your understanding plus access to reference materials you can print and refer to for years to come
- Expert instruction – this course was developed by professionals with decades of experience in the industry.
- Full-color presentations – our seminars are carefully designed for maximum impact and interest
- Learn anytime and anywhere – wherever you have Internet access
- Your satisfaction is guaranteed – so you have nothing to lose!

Cost

\$345 for a single user with substantial discounts for bulk purchases. Please call us at 1-866-765-5432 for more information on quantity sales and site licenses. Click here to purchase this course:

<http://www.enerdynamics.com/28>

Course Content

- Overview of Electricity
 - Electricity in our society
 - Four unique properties of electricity
 - Electric units
- Electricity Customers
 - The five basic customer types
 - How different customer types use electricity
 - Daily and annual load shapes
 - Customer needs and wants
 - Aggregate demand peaks

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- Options for customers to fulfill electric needs
- Average costs by customer type
- The Electric Delivery System
 - The three key sectors
 - Supply planning
 - System planning
 - Generation sources, their costs and characteristics, and how/when they are used
 - Transmission systems, their costs and characteristics
 - Distribution systems, their costs and characteristics
 - Reliability and overall costs
- Electric System Operations
 - The role of operations
 - Reliability regulation and oversight
 - Power system characteristics
 - Who operates electric systems?
 - Transmission constraints
 - Ancillary services
 - Transmission scheduling
 - Balancing the system in real time
 - System stability
- Electric Regulation
 - Why regulate the electric industry?
 - Regulation and market evolution
 - What does regulation do?
 - Who are the regulators?
 - The regulatory compact
 - Regulatory proceedings
 - The regulatory process
 - Traditional ratemaking process
- Incentive regulation
- How regulation impacts various market participants
- Electric Deregulation
 - What is restructuring and why is it attractive?
 - Evolution of U.S. restructuring
 - Understanding competitive markets
 - Electric market structures
 - RTOs and ISOs
 - How competitive markets work
 - Trading arrangements for generation, ancillary services, and transmission scheduling
 - Locational marginal pricing (LMP)
 - Long-term capacity markets
 - State deregulation activities and issues
- Electric Markets
 - Traditional market participants
 - Competitive market participants
 - How participants make money
 - Wholesale market transactions and services
 - Retail market transactions and services
 - Regulated and market-based pricing
 - Supply and demand
 - Price volatility
 - Electric market risks
 - Risk management
- The Future
 - The future of regulation
 - The future of technology
 - The future of markets
 - The future of the workplace
 - The energy company of tomorrow

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