



# Regulation of the Electricity Sector in Developing Countries

April 9–May 25, 2018 | Online (3.0 CEUs)

## Course Description

Access to a reliable electricity supply is a critical component for economic progress in any country. Understanding the electric utility, its ecosystem, and the consequences of its regulatory environment are key factors in the growth or stagnation of a developing country’s economy. This introductory online training course from the Institute for Public-Private Partnerships, A Tetra Tech Company (IP3), addresses this need.

Participants in our *Regulation of the Electricity Sector in Developing Countries* course explore the current state of regulatory thinking in the developing world through content pieces and case studies. Online discussion boards enhance the learning experience and allow participants to share knowledge with their counterparts in different countries across the globe.

Six course modules are conducted over a seven week period. Participants complete reading assignments, analyze case studies, actively participate in discussion boards and chat rooms with fellow participants and the course instructor, and complete an individual investigation guided by the course instructor.

## Learning Outcomes

- Analyzing fundamental steps to electricity sector reform in developing countries
- Understanding the architecture of the electric industry in developing countries
- Evaluating differences in the financial structure of electric utilities in developing countries compared to developed economies
- Analyzing special problems of regulating state-owned electric utilities
- Understanding how unbundling is a precondition to electricity sector reforms
- Assessing current and future issues that are shaping and will continue to shape the electricity sector
- Applying cases studies of electricity sector reform policy in developing countries

## Course Offering

Dates: April 9–May 25, 2018

Location: Online

CEUs: 3.0

Code: 4003-OL

Tuition: \$1,100

## About IP3’s Online Courses

IP3’s online courses deliver high-performance training at very low costs for your organization. IP3 participants appreciate the anytime access to course materials, minimal bandwidth requirements, and global audience reach that our online courses offer.

Participants who successfully complete the course requirements will receive a *Certificate of Achievement*.

## Who Should Attend

- Individuals involved in the electricity sector worldwide
- Developed country personnel working in donor institutions
- Government or ministry personnel charged with increasing private sector participation (PSP) in the electricity sector
- Personnel working in IPPs or those considering investing in IPPs
- Individuals in countries that are establishing regulatory institutions

## Course Tuition Includes

- All training materials
- Industry expert instructor
- 24 hour access to the learning management system
- One year of access to course materials
- ICT help desk
- Enrollment in professional certification
- Professional certification counseling
- International audience reach

## Course Contents

### The Architecture of the Electric Industry

- Structure of the industry: past, present, and future requirements for successful project finance transactions
- Standard electric reform model for developing countries
- Regulatory issues associated with industry and ownership structures in developing countries
- Private sector investment in the electric sector in developing countries

### The Financial Structure of Electric Utilities

- Balance sheets
- Income statements
- Accounting differences between state and privately owned companies
- Financial analysis of electric companies

### Regulation in the Electricity Sector

- Development of electric utility regulation
- Challenges to independent regulation
- Economic regulation: setting rates
- Role in authorization of new capacity
- Quality of service

### Unbundling and Competition in the Electricity Sector

- Structure of the traditional incumbent utility
- Advent of competitive power markets
- Unbundling as a prerequisite to competition
- Measuring the extent of competition in developing economies
- Customer choice, new retail services, and the distribution system

### Current Issues in the Regulation of Electric Utilities

- Affordability: strategies for serving low-income customers
- Energy efficiency
- Sustainable/renewable energy and fuel diversity
- Distributed generation
- Regionalization of markets: growth in cross-border transactions

### The Future of Electric Industry Regulation

- Regulation reform in international markets
- Impact of changing market structure on electric utility regulation
- Impact of competition strategies
- Environmental challenges and their impact on developing markets
- Storage of electricity: the game changer

All six modules include case study analysis and action planning



## Benefits for Human Resource Departments

- Dramatic cost savings—no travel or per diem costs while maintaining work productivity
- 24 hour availability of course features—access from any internet connection at any time
- Scalability—one employee or one thousand can be trained at the same time at a low cost
- Collaboration and learning through interactive discussion boards and action planning
- Browser-based platform—no special computer skills needed, and courses work fine in low bandwidth

## Benefits for Participants

- Instructor-led online training—flexible enough to be accessed anytime, anywhere, removing all the geographical barriers
- Collaborate and interact with fellow participants from around the world and our course facilitator in easy-to-use discussion boards, email, and chat room communication tools
- Take multiple courses towards professional certification while reducing costs and increasing office productivity



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