

DEMAND MANAGEMENT IN WATER AND ENERGY: INNOVATIONS TO IMPROVE SECTOR EFFICIENCIES

A TRAINING COURSE

Washington, DC
March 10 - 21, 2008



ALL COURSE PARTICIPANTS RECEIVE A LAPTOP COMPUTER!

COURSE HIGHLIGHTS:

- Learn why demand management is so critical and what techniques are effective in changing consumption and inefficiency
- Learn how to develop a demand management study for water and energy
- Learn the different methods of demand forecasting and the appropriate application of each for your agency
- Develop a technology and Internet-use strategy for data collection, management, analysis, and dissemination
- Learn how to communicate with consumers and other stakeholders on demand management practices
- Develop your own demand management/forecasting *Action Plan* for your ministry, agency or local government
- Site Visits and meetings with utility, regulatory, and government experts on best practices of demand management in water and energy

REGISTER ONLINE!

www.ip3.org

“Increasing the quantity and quality of water and energy resources is a noble but insufficient goal. Decision-makers, utility executives, and individual consumers must understand how critical, and in some cases, simple, demand management practices can be. Demand Management can immediately make a difference in the sustainability of energy and water resources in every country.”

*Matthew Hensley
President, IP3*

Course Sponsor



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COURSE LEARNING OBJECTIVES

Countries on every continent face the difficult challenge of meeting the growing demand for water and energy resources. As populations grow and economic growth continues, greater stress is being placed on already strained water and energy resources. This course, *Demand Management in Water and Energy: Innovations to Improve Sector Efficiencies* is designed to provide participants with a detailed understanding of the concepts, tools, options, and techniques of demand management and forecasting for the water and energy sectors. Participants will improve their understanding and capability in performing studies and forecasts and will learn policy, technical, and management techniques to improve efficiency in both sectors.

This course contains five modules that will be covered over a two-week period. Participants will be responsible for attending all presentations and site visits, actively participating in discussions, case studies, and group exercises, and complete a strategic *Action Plan* to implement upon their return to their organization.

COURSE CONTENT

Module I: Overview and Policies for Demand Management and Forecasting in the Water and Energy Sectors

- Understanding why demand management and forecasting of water and energy is so critical
- Understanding "consumption behavior" and the difference between "supply side/demand side" options
- Identifying global, regional, and local climate changes that impact water and energy resource generation and use
- Creating integrated resource policies and planning strategies for the water and energy sectors: conservation vs. increased generation

Module II: Demand Management Strategies for the Water and Energy Sectors

- Using demand management to promote conservation (and minimize resource use) and consumer behavior change
- Developing a demand management study: data collection, coordination, analysis, and reporting
- Creating an End-Use Analysis of customers of water and energy to better understand demand issues
- Designing regulatory tools and economic incentives to reduce demand and increase conservation
- Developing financial and management tools within the utility to reduce demand

Module III: Demand Forecasting Methodologies for the Water and Energy Sectors

- Determining the science and the "art" of forecasting demand
- Identifying the type of forecasting methodology to use: trend method, end-use method, econometric method, or time-series method
- Impact of forecasting from sector reform initiatives, tariff/regulation changes, and private sector participation in service delivery

Module IV: Technology Innovations to Improve Demand Management and Information Flows

- Understanding the role of the Internet and other software technology in demand management and forecasting
- Determining how data collection and sharing on a global, regional, and local level will increase accuracy for future models and forecasts
- Technology Options to reduce demand: Household Innovations and Utility Innovations
- Financial and Economic Incentives for greater technological utilization

Module V: Stakeholder Education and Communication Programming

- Determining how to communicate demand management issues to consumers, regulators, and government organizations
- Using TV, print, radio, and Internet media for communication platforms
- Creating a stakeholder education and communication plan

WHO SHOULD ATTEND

Government Officials from Ministries of Water, Energy, Electricity, or Public Works

Managers and Engineers from Water and Electric Utilities

Management and Technical Staff from Regulatory Agencies

Economic and Financial Experts engaged in the water and energy sectors

DATE, LOCATION & COST

DATES: MARCH 10 - 21, 2008

LOCATION: WASHINGTON, DC

TUITION: \$4,450

COURSE CODE: 1807-WA

CEUs EARNED: 6.0 CEUs

TECHNOLOGY AND LEARNING AT IP3

Since our founding, IP3 has proudly recognized the importance of technology in our capacity building programs. We have provided thousands of participants with laptop computers and relevant software packages which have been integrated into computer-based problem/case study solving exercises; simulated financial, economic, and legal modeling sessions; Internet-based research activities; communication tools; and Action Planning programming. In this course, each participant will receive a new mobile Intel® Pentium® 4 or Celeron® laptop computer to take advantage of this integration of learning technologies offered during the course and after their return to the office.

INSTITUTE FOR PUBLIC-PRIVATE PARTNERSHIPS (IP3)

The Institute for Public-Private Partnerships, Inc. (IP3) is an international training and consulting firm that focuses on advancing public-private partnership programs and opportunities, regulation operations and management initiatives, and competitive utility management reform in the environmental (waste/sanitation and solid waste), energy, transportation, technology, municipal service, health, and education sectors. Since 1994, we have trained over 25,000 professionals from over 150 countries worldwide.

For More Information and to Register:

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Register Online at: www.ip3.org

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