

Principles of Demand Response

Advanced Principles of Demand Response Training Course is ideal for those contemplating developing, revising or enhancing a demand response program. This course delves into the importance of understanding the role DR plays in the resource mix and how to involve planners, dispatch and system operators.

It describes different program types and when to offer one over or in concert with another, explains and demonstrates technologies and integrations with other energy efficiency options.

Leading attendees through the development of the marketing issues and helping you develop an effective evaluation and measurement plan are key deliverables. The course is loaded with case studies and best practices and includes an exercise on how to develop cost estimates of various types of DR programs.

- Learn how to select the right DR technology in order to gain the results you desire
- Understand the importance of integrating Smart Meters and Home Automation into the DR program
- Discover the differences program evaluation using stipulated versus measured values and where each makes sense to use
- Compare Dynamic Pricing, Direct Load Control, Interruptible, Demand Bidding and other most current DR program designs.

Who should attend?

Program managers and planners, individuals in evaluation, measurement and verification, researchers, implementers, energy efficiency staff, and anyone who needs information on new technologies, methodologies and regulatory requirements in Demand Response will benefit from this course.

Training Options

1 Day Course – delivered on-site, regionally or at conferences. Delivered by Paragon Consulting training professionals.

1 Day Training Course Overview

Importance of Demand Response

- Demand Response defined
- get the latest National Perspective on DR
- Learn how to define and meet utility objectives
- Understanding the importance of Demand Response

Types of Demand Response in each market

- Key factors in Direct Load Control programs
- Key factors in Event-based Pricing program types
- Understanding Non-Event based program types

DR Technologies Explained

- Review of technologies used in DLC, Dynamic pricing and Interruptible programs
- New DR technologies on the horizon

Integration with the Smart Meter

- Communication methodologies explained
- Importance of two-way capabilities
- Migrating DR into Home Automation

Case Studies

- Key utility program reviews
- Creating the Program Cost estimate
- Regulatory impacts

Evaluating the DR program

- Types of data collection required
- Stipulated versus measured data
- Reporting program results

Marketing the DR program

- Defining and creating the Value Proposition
- Targeted vs. Mass marketing
- Proper use of Incentives
- Notification options