

## **Implementing Modern Demand Response Programs Workshop**

**May 24, 2016**

**Philadelphia Marriott Downtown  
1201 Market Street  
Philadelphia, PA, 19107**

*A Workshop for Utilities, DR Designers and Program Implementers Planning to Use OpenADR 2.0*

This half-day workshop is designed for system operators, utilities and others implementing demand response programs. The automation of demand response programs is forecast to grow significantly over the next decade, particularly due to the continued proliferation of Distributed Energy Resources (DER) in the grid. DR implementers are constantly evaluating how to create the most efficient, lowest cost systems to support increased scaling and automation of these programs.

The OpenADR standard for communicating DR events and information between utilities and their customers opens a flexible, lower cost, highly competitive landscape of vendors and equipment. What is the best design for DR programs to take advantage of this new landscape? How does OpenADR help with settlement activities such as rebates and incentives? How does OpenADR help with load shedding or load shifting? How can this standard best be used to implement innovative programs of today and in the future?

Please join us for a half-day workshop on “Implementing Modern Demand Response Programs”. This workshop is designed to help utilities, DR designers and program implementers understand how to create and implement a wide array of energy programs using the versatile OpenADR standard and the many resources available to implement it.

The program will begin with an exploration of the origins of the OpenADR standard and a high level overview of its key features. This will be followed by a more detailed look at its event and reporting services. The heart of the workshop will focus on Demand Response program design using standardized program templates and deployment scenarios to help accelerate program development and implementation time.

Participants will leave the workshop with a solid understanding of how the OpenADR standard operates, backed with a detailed understanding of DR Program design and industry best practices contained in the OpenADR Alliance DR Program Guide.



## **Agenda**

### **8:00 - 8:30 am    Registration**

### **8:30 - 10:00 am    OpenADR 2.0 Big Picture and Services**

- OpenADR 2.0 Origins and Actors
- Usage Models
- Exchange Patterns
- Transports
- Security
- Features and Functions Summary
- OpenADR Live Demo

### **10:00-10:30 am    Break**

### **10:30 - 11:30 pm    OpenADR DR Program Best Practices**

- OpenADR Program Guide Templates
  - Capacity Bidding Program
  - Critical Peak Pricing Program
  - Distributed Energy Resources DR Program
  - Fast DR Dispatch Program
  - Public Station Electric Vehicle Real-Time Pricing Program (EVP)
  - Residential Electric Vehicle Time of Use Program
  - Bring Your Own Thermostat Program
- Deployment Scenarios

### **11:30 – 12:30 pm    OpenADR Looking Forward**

- OpenADR and DER
- OpenADR and IoT
- OpenADR and Transactive Energy

### **12:30 Lunch and OpenADR Demos**