

# **OpenADR Open House**

May 25, 2016

Philadelphia Marriott Downtown 1201 Market Street Philadelphia, PA, 19107

# **Agenda**

8:00 - 8:30 am Registration

## 8:30 - 9:15 am OpenADR Alliance Update

OpenADR staff will provide an update on OpenADR Alliance committees and working groups, as well as other initiatives including international standardization and transactive energy.

#### Panelists:

- Barry Haaser, OpenADR Alliance
- Rolf Bienert, OpenADR Alliance

# 9:15 - 10:00 am Leveraging Third Party Resources

There are a variety of technical resources available to accelerate development of OpenADR compliant VTNs and VENs and DR programs. This session will cover the OpenADR Test Harness, the Quality Logic Cloud Server and EPRI's open source software, featuring its use in a utility BYOT program and in a closed-loop "automated OpenADR" application that includes Big Data analytics, distribution transformers, and EVSEs. EPRI will also discuss utility-oriented enhancements included in their latest update.

Panelists: Walt Johnson, Electric Power Research Institute (EPRI)

Jim Zuber Quality Logic James Mater, Quality Logic

10:00 - 10:30 am Break

#### 10:30 - 12:00 pm Is There A Transactive OpenADR In Your Future?

Transactive energy (TE) is gaining momentum in the energy industry as government agencies; such as the U.S. Department of Energy and the California Energy Commission invest in its development. The OpenADR standard is ideally suited to play an important role in the development and implementation of TE. This session will address the definition of TE, how it works, the role of OpenADR, an overview of industry initiatives and what the future has in store for this emerging technology.

Moderator: Rolf Bienert, OpenADR Alliance

Panelists: James Mater, Quality Logic & Gridwise Architecure Council

Walt Johnson, Electric Power Research Institute (EPRI)

David Holmberg, NIST

Bill Cox, Energy Mashup Labs



12:00 – 1:00 pm Lunch

#### 1:00 - 2:30 pm Internet of Things and Bring Your Own Device Programs

Millions of homes have load-consuming resources that can be controlled via external signaling thanks to the Internet of Things (IoT) revolution. One early incarnation of IoT involves utility programs based on "Bring your own Device (BYOD)". BYOD enables customers to purchase a compatible product (thermostat, pool pump, load controller) from a retailer, third-party or service provider that can be used to participate in a utility program. The device offers utilities a way to engage consumers, help them manage their energy and to get more customers to participate in ADR programs. This session will explore the state of the residential IoT market, BYOD utility programs, the role of OpenADR certified devices, lessons learned and reflections from OpenADR members.

Moderator: Barry Haaser, OpenADR Alliance

Panelists: Mark Martinez, Southern California Edison

Michel Kohanim, Universal Devices

Jim Zuber, Quality Logic

2:30 - 3:00 pm Break

### 3:00 - 4:00 pm Enabling DER Integration

Distributed energy resources (DER) are smaller power sources typically from PVs, EVs, energy storage and wind that can be aggregated to provide additional energy to the grid. The rapid proliferation of DER throughout the industry is driving the need for better controls, established communication technologies, and industry standards for interconnection with the electric grid. This session will address the current state of DER, projects underway and industry requirements for mass deployment of DER. What is DER? How does OpenADR fit in?

Moderator: James Mater, Quality Logic & Gridwise Architecure Council

Panelists: Aditya Aggarwal, Siemens Canada

Walt Johnson, Electric Power Research Institute (EPRI)

### 4:00 - 5:00 pm What Does The Future Have In Store for OpenADR?

This session will delve into the future direction of the OpenADR Alliance and the OpenADR 2.0 standard given the growing number of external factors influencing it today, such as Transactive Energy, DER, IEC standards on the Common Information Model (CIM), Asian derivatives of the 2.0b profile, and more.

### 5:00 - 7:00 pm Reception

Please join us for a casual reception, sponsored by IP Keys. Use this time to unwind and meet the OpenADR Alliance staff, Board of Directors, members and interested parties.