

MADRI WORKING GROUP MEETING #46 – June 6, 2017

Electric Vehicles

**PECO
Energy Hall
2301 Market Street
Philadelphia, PA**

Remote Participation

Web Address: <https://pjm.webex.com>

Meeting Name: MADRI Working Group Meeting #46

Meeting password: madri0606pjm

Teleconference call-in number: 1-866-398-2885 (US)

Participant passcode: 856900

Electric vehicles (EVs) are here, and they could have a profound impact on the future of the power sector. EVs are more than just a new “load” that the system must serve. If the right policies and regulations are instituted, EVs have the potential to save money for consumers, reduce air pollution, increase utility revenues, and provide ancillary services. MADRI’s 46th meeting will focus – for the first time – on EVs as a new kind of distributed resource. We’ll explore the status quo and future of EV deployment, the impacts of EVs on the grid and integration, regulatory issues relating to ownership of public charging infrastructure, and how rate design and prices shape these issues.

AGENDA

9:30 – 10:00am Networking with attendees

10:00 – 10:15am Introductions

The Honorable Betty Ann Kane, Chairman, DC Public Service Commission
John Shenot, Regulatory Assistance Project

10:15 – 11:15am Status, Trends, and Drivers of EV Deployment

Kellen Schefter, EEI
Cassie Powers, NASEO

We’ll start the day with an “EV 101” session that looks at the status of the technology, current deployment levels, drivers, trends, and forecasts for future deployment. We’ll also learn about the Volkswagen Environmental Mitigation Trust, which will provide states with nearly \$3 billion to invest in clean transportation, and what that could mean for EVs.

11:15am – 12:15pm Grid Impacts and Integration of EVs

John Gartner, Navigant
Andrew Levitt, PJM

This panel will focus on the potential impacts – positive and negative – of EV charging on the distribution and bulk power grids. We’ll also explore some of the options for mitigating potential negative impacts, capturing positive impacts, and integrating high volumes of EVs, and discuss what (if anything) needs to be done to prepare the grid.

12:15 – 1:00pm

Lunch

1:00 – 2:00pm

Rate Design Implications for EV Charging

Chris Nelder, RMI

Marissa Gillett, Maryland PSC

This panel will focus on rate designs and prices. The first speaker will explain how these factors can have a dramatic impact on when and where EVs are charged and the economics of EV ownership, which will in turn shape the grid impacts and integration challenges and ultimately stimulate or stifle EV deployment. The second speaker will present the results of a pilot program in Maryland that applied time-of-use rates for EV charging.

2:00 – 3:00pm

Ownership and Regulation of Public EV Charging Infrastructure

Mike Trzaska, PECO

Kevin Miller, ChargePoint

The availability of public EV charging networks is crucial for addressing “range anxiety” and enabling long-distance travel by EVs. This panel will explore some of the crucial questions about who should own public charging infrastructure (utilities, third parties, or both), where to draw the line on defining “regulatory assets,” codes of conduct for utility or affiliate investment in EV charging infrastructure, and cost recovery methods.

3:00 – 3:15pm

Wrap-Up, Adjournment

The Honorable Betty Ann Kane, Chairman, DC Public Service Commission

John Shenot, Regulatory Assistance Project