



Mid-Atlantic Conference of Regulatory Utilities Commissioners

## 24<sup>th</sup> Annual Education Conference

Agenda as of:

Tuesday, May 28, 2019

*This agenda is subject to change.*

### MACRUC 24<sup>th</sup> Annual Education Conference

Sunday, June 23, 2019

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4:00 – 6:00 pm	Registration	Garden Room
5:00 – 6:00 pm	Welcome Reception	Crystal Ballroom

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### MACRUC 24<sup>th</sup> Annual Education Conference

Monday, June 24, 2019

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9:00 – 10:30 am	General Session	Grand Ballroom West
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### Welcome Remarks & Confirmation of Officers

President, Hon. Dallas Winslow, DE

### ESG: Time for Utility Regulators to take Stock

Environmental, social, governance, and sustainability (ESG) factors are becoming important non-financial risk attributes to consider in a utility's long term health. ESG/sustainability assessment and reporting are now of growing interest in the

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energy market investment community. This panel will look at utility partnerships and how ESG initiatives may be used to assess risk, drive performance, and thus, may affect the regulatory framework.

Long-term investment strategies and the outlooks assigned to regulated utilities and the energy markets in general by Wall Street will be discussed.

Co-Moderators:

- Diane Burman, NY
- John Rhodes, NY

Participant:

- Lavanya Balakrishnan, Executive Director, Morgan Stanley's Global Power and Utility Group
- Donna L. DeCarolus, President, National Fuel Gas Distribution Corporation
- Travis Kavulla, Commissioner Emeritus, Director, Energy & Environmental Policy, R Street Institute
- Yukari Saegusa, Vice President and Treasurer, Con Edison
- Susan Story, CEO, American Water
- David Velazquez, President, Pepco Holdings

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**10:30 – 10:45 am**

***Networking Break***

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**10:45 – 11:45 am**

A - 1

## **Let's Make a Deal: A Reasonable Green One!**

Grand  
Ballroom East

Lofty proposals by the new Democratic Congress to respond to climate change need a reality check. Industry experts who are knowledgeable about the energy system and more in touch with costs need to be a part of the "Green New Deal" conversation.

Attendees will hear how these experts weigh costs and environmental issues, and whether legacy nuclear and fossil fuels should be a part of the climate solution alongside renewable power sources.

Moderator: Dallas Winslow, DE

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## **A Hitchhiker's Guide to Public Utility Infrastructure**

Policies and regulations for considering attachments, instruments and over lashing on utility poles, posts, towers, tunnels, bridges, conduits and other public rights of way. This session will examine the current federal, state / territory and municipal regulatory environment for gas, water, energy and telecommunications infrastructure regarding notice, approval, and authority for utilization of the principle assets for other purposes as we prepare for smart cities and grids in the Internet of Everything (IoE) collaboration.

Moderator: Johann Clendenin, VI

- Gregg Sayre, NY
- Adam Copeland, FCC Wireline Bureau
- Pamela Hollick, CenturyLink
- Joe Witmer, PA Staff

## **Examining the Economic and Environmental Impact of Natural Gas Infrastructure**

Opposition to new natural gas infrastructure has stalled development of new projects across the country, particularly in the northeast. In the Northeast discussions of current and future natural gas moratoriums on new natural gas connections has caused widespread debate on the issues surrounding natural gas infrastructure. Some see this debate as good news in their fight to go 100% fossil fuel free and others are concerned with arbitrarily denying homes and businesses, especially those that want it, access to low cost natural gas. Is such opposition to natural gas infrastructure sustainable if consumers are unable to heat their homes with low cost energy? How will this impact low income communities? Looking forward, could such opposition actually make the achievement of environmental goals more difficult if fuels with more emissions are used as an alternative to natural gas? These issues and how the Northeast grapples with it are important to regulators as they focus on how to responsibly ensure

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that consumers receive safe and reliable utility service at reasonable rates and with the least adverse effect upon the environment.

Moderator: Dianne Solomon, NJ

Participants:

- Thomas Kiley, President & CEO, Northeast Gas Association
- Todd A. Snitchler, Vice President, Market Development, American Petroleum Institute
- Elizabeth Stein, Senior Manager, NY Clean Energy Law and Policy, Environmental Defense Fund
- Lori Traweek, Chief Operating Officer, American Gas Association

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12:00 pm – 1:30 pm

**MACRUC Regulatory Buffet Luncheon \* **NEW THIS YEAR!****

Grand Ballroom West

*Jonathan Mann, Conference Troubadour!*

**Join MACRUC as we go 'outside the box' to spark creativity, have fun and share laughs!**

Our featured guest is Jonathan Mann, *who holds the Guinness World Record for Most Consecutive Days Writing a Song*. He began his Song-a-Day project on January 1, 2009 and hasn't stopped yet! Jonathan has been interviewed by **Time**, **CNN** and performed on the **Anderson Cooper Show**. The big breakthrough came when **Steve Jobs** asked to use one of his songs for a press conference!

His story is an amazing and inspiring example of how showing up regularly, creating content and sharing it with the world, can open up opportunities that we have not even imagined.

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1:30 pm – 2:45 pm

**General Session**

Grand Ballroom West

**FERC Chairman's Remarks to MACRUC**

Remarks by Hon. Neil Chatterjee

Federal Energy Regulatory Commission (FERC)

**&**

**CEO Roundtable**

**Physical Safety, Aging Infrastructure, and Diversity**

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During this roundtable, you will hear from utility executives and regulators about the critical issues that will impact the grid of the future. Specifically, we will analyze the nexus between physical/cyber security and infrastructure investment, and the emerging policy issues related to grid modernization. Some questions that will be considered include: How should cost be allocated for the replacement of aging infrastructure? How will infrastructure development support grid modernization? How will the traditional utility business model evolve? How can we ensure security? What training and recruiting efforts should be employed to support a diverse workforce for the grid of the future? What strategies can we use to help manage change internally and externally?

Moderator: Willie Phillips, DC

Participant:

- Gladys Brown Dutrieuille, PA
- Calvin Butler, Chief Executive Officer, BGE
- Dennis Doll, the Chairman, President & CEO, Middlesex Water
- Andy Ott, President and CEO, PJM Interconnection

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3:00 – 5:00 pm

## **INNOVATION EXPERIENCE LEARNING LABs**

LOWER  
LEVEL  
BALLROOMS

Be sure to sign up for this unique learning experience. See fuel cells, holographic displays, learn about cutting-edge leak detection techniques! This is an opportunity to see, hear and experience five innovative technologies that may be disrupters in the utility regulation space. Those who sign up will be assigned to a commissioner team. More info to come.

### **Lab #1:**

## **Artificial Intelligence: Saving Lives and Optimizing Resources**

As utility infrastructure becomes more complex to operate and maintain, the insights derived from artificial intelligence applications are becoming more sophisticated. Experience how artificial

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intelligence software products can help utilities pinpoint risk of methane leaks, crossbores, corrosion, and third-party damages.

## Lab #2

### Fuel Cells for Resiliency and Load Relief

***See and hear about solid oxide fuel cell technology!***

Attendees will learn how fuel cell technology works and is being used in microgrids to increase customer and community resiliency while avoiding transmission and distribution investments. Solid oxide fuel cells generate electricity using an electrochemical process that does not require a matching thermal load and occupies very little space. The result is a new option for energy infrastructure that enables regulators and utility distribution engineers to direct clean and reliable capacity into targeted areas to the benefit of customers.

## Lab #3

### Unlock Your IoT Potential

A hologram presentation will allow you to check out an amazing variety of tools that make it possible to unlock new opportunities and accelerate time-to-market. The hologram will feature the IoT Edge Router, the proprietary Riva Dev Mini and Modular LE. These tools can be used as building blocks for network prototypes, and enable communications for 3rd party sensors and other devices that join this special network.

## Lab #4

### Every Drop Counts: Distribution Network Leak Detection

Aging infrastructure and high levels of non-revenue water losses are putting a strain on water utilities' operations and maintenance budgets. See how state-of-the-art acoustic leak detection marries with leading edge AML technology to provide automated distribution network leak detection and location. Simple installation and

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powerful analytics find and report leaks to help you schedule repairs and most effectively utilize your resources.

## Lab #5

### Preserving Our Most Precious Resource

Come learn how existing water infrastructure technologies are being integrated to help water utilities improve their Levels of Service - reducing leakage and main breaks, increasing revenues, and extending the life of pipeline assets. These technologies enable utilities to gain a deeper understanding of their water distribution systems.

- **Smart Hydrant:** Learn how to upgrade your existing hydrants so that they can provide real time access to system pressure data, alerting the utility to sudden changes in pressure and other conditions.
- **Automated Control Valves:** Explains how flow-based pressure management is used to reduce main breaks and overall system leakage, optimizing system performance.
- **Remote Disconnect Meter:** Demonstrates how utilities can automate water meter move ins/out, reducing the need for truck rolls and minimizing the utilities GHG footprint.
- **Continuous Leak Monitoring:** See how utilities can survey their system for leaks every night, reducing water loss, minimizing repair and crew costs, and extending the life of buried pipeline assets.

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**MACRUC 24<sup>th</sup> Annual Education Conference**

**Tuesday, June 25, 2019**

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9:00 – 10:00 am

**General Session**  
**FERC and MACRUC**

Grand  
Ballroom  
West

Remarks by Hon. Bernard McNamee,  
Federal Energy Regulatory Commission (FERC)  
*Introduction by Hon. Judy Jagdmann, VA*

**&**

**Finding Common Ground: The Nuclear  
Regulatory Commission and State  
Commissions**

Remarks by Hon. David Wright, Nuclear Regulatory Commission  
(NRC)  
*Introduction by Hon. Tony O'Donnell, MD*

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10:00 – 10:15 am

**Networking Break**

Foyer

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10:15 – 11:15 am

**Emerging Contaminants and Secondary  
Water Standards in the Mid-Atlantic Region**

Mount  
Vernon  
Room

B - 1

Emerging contaminants such as PFOAs are one of the most reported-on issues in the water space. Across the country, water systems are detecting emerging contaminants and many are struggling to assure water quality. States like Michigan have acted swiftly to establish cleanup rules for PFAS and PFOAs. Secondary water standards are also critical water quality considerations as customer expectations continue to increase. This panel will address varying contamination levels and mitigation approaches. The EPA's updated methods for testing PFAs and other emerging contaminants will be discussed.

Moderator: Mary-Anna Holden, NJ

Participant:

- Norm Kennard, PA
- Chris Crockett, Aqua America
- Cheryl Norton, President, NJ American Water
- David Spacht, CFO, Artesian Water



## Carbon Pricing: What could it look like? Is consensus possible?

B - 2

It was recently reported in the RTO Insider (3/26/19) that “PJM stakeholders appear ready and willing to explore carbon pricing in the RTO – a prospect that concerns utilities in coal-heavy states.” Should MACRUC join in the discussion? Let the conversation begin.

This debate will discuss issues such as:

- Is carbon pricing a stand-alone issue, or part of a larger policy discussion?
- What are some of the structures that might be considered?
- What is the geographical region for carbon pricing: nation; region; or state?
- What are the impacts on a state’s economy?
- What about the leakage effect?
- In an interconnected grid how are wholesale electricity bids structured if one region has carbon pricing and the adjacent region does not?
- How would carbon pricing affect other types of programs – such as RGGI – that are currently in use?
- What can state regulators do to support or object to carbon pricing?

Moderator: Michael Richard, MD

- Team #1 Pro Carbon Tax/Pricing :
  - Kim Drexler, DE
  - Melissa Lavinson, Senior Vice President, Government and External Affairs, Pepco Holdings
- Team #2 Con Carbon Tax/Pricing:
  - Brooks McCabe, WV
  - Dana Horton, Director, RTO Regulatory, AEP

## Leveraging Analytics and Artificial Intelligence to Unlock the Value of

B - 3

### AMI Data and Enhance Grid Performance

According to the Energy Information Administration, nearly 80 million advanced meters have been deployed across the United

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States. However, AML adoption is not uniform across the states, and the full potential of advanced metering infrastructure is not being realized, even where adoption levels are high. Analytics and Artificial Intelligence are tools that can help utilities manage the data collected through AML to provide more value to the utility and to the customer. These tools can also provide benefits in regions that do not have widespread adoption. As technologies continue to change rapidly, how do utilities, regulators, and customers keep track? This session will answer questions such as: What are the emerging trends in utilizing AI and data analytics to enhance grid resilience and reliability, and facilitate integration of distributed energy resources? What is the role of third party providers of these tools? What concerns should utilities, regulators, and customers have regarding cyber security?

Moderator: Robert Cicero, KY

Participants:

- Greer Gillis, DC
- Doug Dorr, Program Manager, Distribution and Distribution Assets, EPRI
- Mark McKoy, VP & General Manager, SUEZ North America
- Mary Sprayregen, Director of Regulatory Affairs and Market Development

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11:15 – 11:30 am

*Networking Break*

Foyer

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11:30 am – 12:30 pm

## **Cool Cars...Hot Issues...and You're the Driver!**

Grand  
Ballroom  
East

### ***Demystifying the Implementation of an Electric Vehicle Charging Program***

C - 1

Jump from the passenger's seat to the driver's seat during this interactive session. The electric vehicle (EV) industry continues to grow at a rapid pace as industry players align themselves with state policies to reduce carbon emissions. Regulators and utilities are being confronted with an array of new questions, challenges, and opportunities associated with modernizing the electric grid. As more electric vehicles hit the roadways in the next decade, the impact on the grid will be significant. Attendees will hear about the policy drivers and attendant challenges associated with selecting

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customer-centric investments, such as charging infrastructure to support a burgeoning EV market, to better manage the grid. Attendees will benefit from lessons learned by the Maryland Public Service Commission in approving a utility-proposed EV charging initiative. Additionally, attendees will get a glimpse of the road ahead, as the panel explores such topics as load management, fleet electrification, rate design, and other innovative solutions to stay ahead of an evolving energy environment.

Moderator: Harold Gray, DE

Participant:

- Jason Stanek, MD
- Dan Bowerson, Director of Electrification & Fuels, Alliance of Automobile Manufacturers
- Val Jensen, Senior Vice President for Strategy and Policy, Exelon Utilities
- Nicolas Puga, Chair of Energy Practice, Bates White
- David Schatz, Director of Public Policy, ChargePoint

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11:30 am – 12:30  
pm

C - 2

## **A Spectrum Crunch Squeeze: Challenges to Utility Modernization Efforts**

Mount  
Vernon  
Room

Data is the life blood of utility modernization. Communications networks that transport data to the control systems are essential to bringing consumers the benefits of a secure and optimized modern utility. However, while the FCC recently noted that “[e]lectric and other utilities need broadband capacity to support smart grid and other next generation communications systems,” access to viable spectrum has been limited and is expected to become severely congested. This panel will address the increasing importance of these networks for energy and water utilities. Participants will delve into the challenges to meeting those needs: cyber and physical security, integrating distributed energy resources, improving energy/water coordination. Additionally one of the most important challenge will be addressed- ensuring safe, reliable and secure utility services.

Moderator: Gregg Sayre, NY

Participants:

- Beth Trombold, OH
- Alice Moy-Gonzalez, Vice President, Strategic Development, pdvWireless

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- Jacqueline Lake Roberts, Director, Consumer Advocate  
Division of the WV PSC
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11:30 am – 12:30  
pm

C - 3

## **Opportunities and Challenges for Consumer Behavior for electricity usage in the future: Buyer and/or Seller?**

Stratford  
Room

Co -Moderators: Gladys Brown Dutrieuille, PA and Tony  
O'Donnell, MD

Participants:

- Mindy Herman, MD
- Richard Caperton, Senior Director of Regulatory Affairs &  
Market Development, Arcadia Power
- Matt White, Legal and Regulatory Officer, IGS Energy

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12:30 – 1:45 pm

**Boxed Lunch and Special Stakeholder Sessions**

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2:00 – 3:15 pm

## **General Session**

Grand  
Ballroom  
West

### **“Non-Wires” Alternatives: A Postcard from the Planning Frontier**

Electric transmission and generation is planned and constructed to ensure the reliable and cost-effective delivery of electricity. However, in some situations, the same system needs or functions can be achieved by energy storage, local distributed generation, load control, or a combination of such resources. Some States, including New York, have taken planning and ratemaking actions to facilitate “non-wires” solutions in recent years. This general session will identify situations that may be more (and less) suitable for evaluating alternatives to traditional solutions, explore different frameworks and processes for considering such alternatives in utility or RTO planning processes, and identify relevant ratemaking considerations. New York’s experience evaluating and implementing non-wires solutions to defer traditional infrastructure will be shared as part of this discussion.

Moderator: Judith Williams Jagdmann, VA

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Participants:

- Kerinia Cusick, Board President, Center for Renewables Integration
- Sue Glatz, Director of Infrastructure Planning, PJM
- Stuart Nachmias, VP Energy Policy and Regulatory Affairs, ConEd
- Richard Berkley, Executive Director, Public Utility Law Project

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7:00 – 9:00 pm

## Installation Cookout/Dinner

*Join us for our Annual Installation Dinner as we welcome our 2019-2020 Officers. The event is casual. Flat shoes are suggested as this event is scheduled to be outside and on the lawn (weather permitting). **Tickets available for purchase for registrants not staying at The Homestead and for any guests.***

*Dinner registration desk will be open 6:45 -7:30. Tickets required for entry and will be redeemed for beverage tickets.*

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## MACRUC 24<sup>th</sup> Annual Education Conference

**Wednesday, June 26, 2019**

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9:00 – 10:00 am  
D-1

## Balancing Transparency and Confidential Information

Grand  
Ballroom  
East

This ethics session will review the following key issues:

- Does your state have a statute imposing strict duties upon utilities and the State's Commission in safeguarding confidential security information (CSI)?
- What is the Utility's and the State Commission's Responsibility to clearly identify and label CSI and protect it once filed?
- Who can review CSI and conditions imposed for review?
- How do we protect CSI in this age of social media, cyber security attacks and public transparency?

Facilitator: David Sweet, PA

Organizer: Rosemary Chiavetta

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9:00 - 10:00 am  
D- 2

## Valuing Fuel Security: What, Where, How Much?

Mount  
Vernon

Fuel security is an important component of reliability and resilience, especially if there are multiple areas of risks. This session will examine what is fuel security, where are the vulnerabilities for fuel security, who takes measures to mitigate any risks, and how much are the costs to ensure fuel security. Presenters will bring diverse views on these issues, including presentations of any existing studies.

Moderator: Bob Gordon, NJ

Participants:

- Ray Williams, VI
- Michelle Bloodworth, President and CEO, America's Power
- Michael Bryson, Vice President, Operations, PJM Interconnection
- Raymond DePillo, PSEG
- Greg Poulos, Executive Director, Consumer Advocates - PJM States

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10:00 – 10:15 am

*Networking Break*

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10:15 – 11:30 am

## Commissioner Roundtable The \$64,000 Question

Grand  
Ballroom  
West

So no one is really going to win \$64,000. The point is.....  
YOU get to ask a question. Prior to the Annual Education Conference registrants will have a limited opportunity to submit a question for any MACRUC Commissioner!

NARUC President, The Hon. Nick Wagner of Iowa, will randomly select questions to be asked!

