



Tuesday, December 8, 2020

**Virtual Conference Day 1:
Decarbonization and RPS Goals in the Mid-Atlantic Region**

10:00-10:05EST **Welcome Message by Infocast**

10:05-10:15 **Opening Remarks by Chairperson**

Jeffrey M. Britt, *Senior Vice President, MWCAdvocacy, McGuireWoods Consulting LLC*

10:15-11:00 **Session 1 Panel: Virginia RPS Goals and Jumpstarting the Offshore Wind Industry**
Gov. Northam has positioned VA to be a leader in renewables and paved the way for thousands of new clean energy jobs. The Clean Economy Act mandates a 100% Renewable Portfolio Standard (RPS) by 2050, advances energy efficiency standards, and promotes offshore wind manufacturing. The Clean Energy and Community Flood Preparedness Act establishes a carbon cap-and-trade program in compliance with the Regional Greenhouse Gas Initiative (RGGI). This panel will discuss the new legislation, proposed regulatory frameworks, and market incentives.

Moderator:

Timothy C. Burdis, *Manager, State Policy Solutions, PJM*

Panelists:

Chris Bast, *Chief Deputy, COMMONWEALTH OF VIRGINIA - DEPARTMENT OF ENVIRONMENTAL QUALITY*

Trieste Lockwood, *Senior Policy Advisor and Energy Advisor to the Governor, OFFICE OF GOVERNOR NORTHAM*

Jennifer K. Palestrant, *Chief Deputy, COMMONWEALTH OF VIRGINIA - DEPARTMENT OF MINES, MINERALS & ENERGY*

Cathie J. Vick, *Chief Development and Government Affairs Officer, THE PORT OF VIRGINIA*

11:00-11:15 *Live Q&A*

11:15-11:25 *Morning Break*

11:25-12:10 **Session 2 Panel: New Jersey's Decarbonization Roadmap and Regulatory Reform**
Governor Murphy's Energy Master Plan (EMP) outlines key strategies for 100% clean energy by 2050, while the regulatory reform package, Protecting Against Climate Threats (PACT) will drastically cut emissions. However, the state is exploring the option

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of their utilities leaving PJM due to the minimum offer price rule (MOPR) rule changes. This panel will highlight clean energy initiatives, wind and solar project development opportunities, and PJM withdrawal scenarios.

Moderator:

Jim Spano, *Co-Founder*, RADIANTREIT

Panelists:

Jane Cohen, *Senior Policy Advisor*, OFFICE OF THE GOVERNOR PHILIP D. MURPHY

Shawn M. LaTourette, *Deputy Commissioner and Chief of Staff*, NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hannah Thonet, *Senior Policy Advisor*, NEW JERSEY BOARD OF PUBLIC UTILITIES

12:10-12:25 *Live Q&A*

12:25-1:00 *Lunch Break*

1:00-1:45 Session 3 Panel: **Pennsylvania Entering RGGI & Other New Renewable Prospects**
The Alternative Energy Portfolio Standard (AEPS) is dated, but new legislation is around the corner. State Sen. Street plans to introduce a bill for carbon capture and storage incentives. Gov. Wolf wants to participate in RGGI, but House law-makers move to block. This panel will discuss the future of the PA energy market, carbon capture possibilities, and how the state can further renewable policy by increasing AEPS goals.

Moderator:

Flora Cardoni, *Field Director*, PENNENVIRONMENT

Panelists:

Allen Landis, *Executive Director of PA Energy Development Authority*, PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Chris Rabb, *State Representative (D-Philadelphia)*, PENNSYLVANIA HOUSE OF REPRESENTATIVES

Kathleen Robertson, *Director of Strategic Initiatives & Environmental Policy*, EXELON

1:45-2:00 *Live Q&A*

2:00-2:10 *Afternoon Break*

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- 2:10-2:35 Session 4 Presentation: **Washington, D.C. Grid Modernization and Decarbonization**
DC's Public Service Commission (PSC) issued an order to decarbonize the grid. The district aims at carbon neutrality by 2050 and 50% renewables by 2032. Clean energy advocates warn the order doesn't sufficiently chart a path to attain those goals. How will grid investments and implementation plans for non-wires alternatives (NWA) and time of use (TOU) rates progress in the nation's capital?
- Presenter:
Tommy Wells, *Director*, DISTRICT OF COLUMBIA DEPARTMENT OF ENERGY & ENVIRONMENT (DOEE)
- 2:35-2:45 *Live Q&A*
- 2:45-3:15 Session 5 Presentation: **Renewable Energy in Delaware**
Delaware Governor John Carney earlier this year proposed updating Delaware's RPS goals to 40% by 2035. Looking ahead, Delaware is nearing completion of its Climate Action Plan, which will map out future actions on reducing greenhouse gas emissions that include renewable energy, energy efficiency, and electrifying the transportation and building sectors. How does Delaware's energy landscape affect plans to develop renewable energy?
- Presenter:
Thomas G. Noyes, *Principal Planner for Utility Policy*, DELAWARE DIVISION OF CLIMATE, COASTAL, & ENERGY
- 3:15-3:25 *Live Q&A*
- 3:25-3:35 *Afternoon Break*
- 3:35-4:20 Session 6 Panel: **Maryland CARES & the "All of the Above" Approach for 100% Renewable Energy by 2040**
The 2019 Clean Energy Jobs Act raised MD's RPS to 100% renewables by 2040 and increased funding for clean energy workforce development. How are the state's goals progressing, and how will Gov. Hogan's Clean and Renewable Energy Standard (CARES) add to last year's legislation? Does the possibility of leaving PJM through a Fixed Resource Requirement (FRR) alternative change the state's projections? This panel will discuss Maryland's plans to combat climate change, boosting jobs and renewables.

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Moderator:

David Murray, *Executive Director*, MDV-SEIA

Panelists:

John Finnerty, *Director of Business Development*, STANDARD SOLAR

Ben Grumbles, *Secretary*, MARYLAND DEPARTMENT OF THE ENVIRONMENT

Dr. Mary Beth Tung, *Director*, MARYLAND ENERGY ADMINISTRATION

4:20-4:35 *Live Q&A*

4:30-5:30 *Conference Platform Open for Virtual Networking*

Wednesday, December 9, 2020

Virtual Conference Day 2:

Understanding Mid-Atlantic Policy Drivers and the Future of Renewables Goals

10:00-10:05 **Welcome Message by Infocast**

10:05-10:15 **Opening Remarks by Chairperson**

Brian J. Kelly, *Partner*, MCGUIREWOODS LLP

10:15-11:00 Session 7 Keynote Panel: **Policymaker Perspectives on MOPR & Implementing Clean Energy Initiatives**

Policymakers and commissioners in the Mid-Atlantic are either launching ambitious clean energy initiatives or expanding RPS goals. What's working and what's not working? Including:

- How are the targets, goals and mandates to be implemented?
- What does the rulemaking look like?
- How are REC programs and other subsidies affected by FERC's MOPR?
- What are the perspectives on creating a competitive market for utilities and renewable developers?
- What are the impacts on resource planning challenges, transmission planning, and queue management?

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Moderator:

Chad Dixon, *Product Manager*, CUSTOMIZED ENERGY SOLUTIONS (CES)

Panelists:

Upendra J. Chivukula, *Commissioner*, NEW JERSEY BOARD OF PUBLIC UTILITIES

Odogwu Obi Linton, Esq., *Commissioner*, MARYLAND PUBLIC SERVICE COMMISSION

Angela Navarro, *President*, ALN POLICY AND LAW, LLC and *Former Deputy Secretary of Commerce and Trade and Energy Policy Advisor to the Governor*, NORTHAM ADMINISTRATION

Emily Schapira, *Executive Director*, PHILADELPHIA ENERGY AUTHORITY

11:00-11:15 *Live Q&A*

11:15-11:25 *Morning Break*

11:25-12:10 **Session 8 Panel: The 2020 Election and the Regulatory & Political Landscape**

In this session, we explore how the markets will shift as a result of the national election and its potential impact on all types of generation amongst the continuing fallout from coronavirus.

- What are the possibilities for change in the Biden administration with the Build Back Better Plan?
- Can we expect fossil fuel subsidies to come to an end?
- Will the 100% renewables tend to grow nation-wide & what would be the impact on the markets?
- Is there a potential for the ITC to be extended?

Moderator:

Theodore Paradise, *Senior Vice President of Transmission Strategy and Counsel*, ANBARIC

Panelists:

Melina Bartels, *North America Power Associate*, BLOOMBERG

Jeff Cook, PhD, *Renewable Energy Policy & Market Analyst*, NATIONAL RENEWABLE ENERGY LABORATORY (NREL)

Sheila Hollis, *Acting Executive Director*, UNITED STATES ENERGY ASSOCIATION

12:10-12:25 *Live Q&A*

12:25-1:00 *Lunch Break*

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December 8 - 10, 2020 | Digital Access

- 1:00-1:25 Session 9 Presentation: **Outlook on PJM Carbon Pricing in the Mid-Atlantic**
PJM presented initial study results to the Carbon Pricing Senior Task Force (CPSTF) in January. The study analyzed paths to mitigating the impacts on generation, emissions, and price using border adjustments. How could a Carbon Pricing Mechanism change with the addition of new states into RGGI? This presentation will provide some observations on the ongoing discussions of the PJM Carbon Pricing Task Force.
- Presenter:
Gregory Poulos, *Executive Director*, CONSUMER ADVOCATES OF THE PJM STATES, INC.
- 1:25-1:35 *Live Q&A*
- 1:35-1:40 *Afternoon Break*
- 1:40-2:05 Session 10 Presentation: **The Future of FERC Orders 841 & 2222**
Order 841 requires ISOs and RTOs to provide energy storage resources (ESRs) full access to their markets. Order 2222 follows the same vein by requiring grid operators to include aggregated distributed energy resources (DERs) in their market participation models and tariffs, introducing huge new opportunities for storage and other DERs at the wholesale level. However, it will also require greater coordination between state and federal regulation and between wholesale markets and distribution utilities. This presentation will examine the current state of play for Order 841, explore the road forward for implementation of Order 2222, and most importantly, their impacts on the markets.
- Presenter:
Ted Ko, *Vice President, Policy & Regulatory Affairs*, STEM
- 2:05-2:15 *Live Q&A*
- 2:15-2:25 *Afternoon Break*
- 2:25-3:10 Session 11 Panel: **Utility Perspectives on Meeting New Clean Energy Goals**
This panel will gather utilities from across the Mid-Atlantic states to discuss procurement plans and programs for small-scale and utility-scale projects and delineate what deals are getting done, along with:
- Are utilities on track to hitting their state targets?
 - How will retirements and state/utility goals translate to specific procurement requirements—and what are the timelines?

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December 8 - 10, 2020 | Digital Access

- Do they envision new transmission projects to accomplish their plans?
- How will green tariffs drive procurement requirements?
- How are utilities thinking about owning renewable generation long-term?

Moderator:

D. Brennen Keene, *Partner*, MCGUIREWOODS LLP

Panelists:

Brent Alderfer, *CEO and Founder*, COMMUNITY ENERGY, INC.

Marisa Slaten, *Director, Regulatory Strategy & Services*, PEPCO HOLDINGS

Victor Viscomi, *Senior Director – Clean Energy Future*, PSE&G

3:10-3:25 *Live Q&A*

3:25-3:30 *Afternoon Break*

3:30-4:25 Session 12 Panel: **Opportunities & Challenges for Renewable Development in PJM**
Federal and state policies are intertwined yet inconsistent with one another, while local variances add another layer of complexity. How do renewable developers move projects forward while dealing with the clashing federal and state policies and the ever-changing local ordinances? What are the best strategies for project development? With so many states and so many regulatory environments how will PJM move forward?

Moderator:

Michael B. Woodard, *Partner*, MCGUIREWOODS LLP

Panelists:

Jonathan Cole, *SVP, Development*, SOLTAGE, LLC

Ilkka Kovanen, *Senior Consultant, Energy Markets*, ICF

Eric Luesebrink, *SVP, Development*, ENGIE NORTH AMERICA INC.

Tyson Utt, *Co-Founder*, COMMONWEALTH ENERGY PARTNERS, LLC

4:25-4:40 *Live Q&A*

4:40-5:30 *Conference Platform Open for Virtual Networking*

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Thursday, December 10, 2020

Virtual Conference Day 3:

Development Pathways and Perspectives in Mid-Atlantic Renewables

10:00-10:05 **Opening Remarks by Chairperson**

Brian J. Kelly, *Partner*, MCGUIREWOODS LLP

10:05-10:35

Session 13 Presentation: **Renewable Energy Finance in the Mid-Atlantic**

The markets are at an inflection point. With the current economic crisis changing forecasts and pricing, creative financing structures may be used more and more frequently over the next year. How will the industry move forward & what is realistic?

- What are the current trends around pricing, structure, appetite, risk, and execution trends?
- What terms can asset owners expect to see on refinancing?
- What activity are lenders seeing, and what is their appetite for financing solar and solar + storage? Transmission?
- Beyond short-term PPAs, what alternative financing structures are emerging? What are their benefits?

Presenter:

Jim Spano, *Co-Founder*, RADIANTREIT

10:35-11:00

Session 14 Presentation: **Tax Equity Availability & Tax Credits in 2021**

As the current economic downturn hit profits this year, tax equity availability is expected to decrease. Where is tax equity coming from today, and how are the capital stacks are looking for 2021? This session will provide an update on the key trends in tax equity, including what the renewables industry can expect during the rush to qualify projects for remaining tax credits. This presentation addresses issues such as:

- The investment tax credit for storage
- The upcoming phase out renewable tax incentives and possibilities for extensions
- Tax equity's view on the strategies and risks around qualification

Presenter:

Shariff Barakat, *Partner, Project Finance*, NIXON PEABODY LLP

11:00-11:10 *Live Q&A*

11:10-11:20 *Morning Break*

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December 8 - 10, 2020 | Digital Access

11:20-12:05 Session 15 Panel: **Offshore Wind—Projects, Plans and Timelines**
Offshore wind is a key component of many Climate Action Plans in the Mid-Atlantic with new turbines planned in VA and DE, and a new port in NJ. Any state with significant renewable portfolio standards is relying on offshore wind to meet the goals. Additionally, offshore What are the lessons learned and best practices for siting and permitting? Has the supply chain been established? How can the industry keep project development on track?

Moderator:

Jennifer K. Palestrant, *Chief Deputy*, COMMONWEALTH OF VIRGINIA - DEPARTMENT OF MINES, MINERALS & ENERGY

Panelists:

Jessica Dealy, *External Affairs Lead*, ATLANTIC SHORES OFFSHORE WIND
Elizabeth Diller, *Offshore Wind Program Director, Environment & Planning*, ICF
Sylvian Watts-Jones, GREEN GIRAFFE INVESTMENT BANKERS

12:05 -12:20 *Live Q&A*

12:20-12:55 *Lunch Break*

12:55-1:40 Session 16 Panel: **Solar Expansion and Opportunities in Mid-Atlantic States**
As Mid-Atlantic states expand their RPS goals, solar projects continue to fill the queue. Which state markets are the most attractive, and why? This panel will examine these and other questions:

- What will be key issues that the solar industry needs to overcome?
- How is the ITC affecting projects? Tariffs? Trade with China?
- How is expanded utility interest in ownership changing development paradigms?
- How are land availability and usage issues affecting development?

Moderator:

Arne Olson, *Senior Partner*, ENERGY AND ENVIRONMENTAL ECONOMICS, INC. (E3)

Panelists:

Vitaly Lee, *EVP, Development*, BAYWA RENEWABLE ENERGY
Garrett L. Lerner, NJR CLEAN ENERGY VENTURES
Kate O’Hair, *Vice President, Development*, EDF RENEWABLES

1:40-1:55 *Live Q&A*

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1:55-2:05 *Afternoon Break*

2:05-2:50 Session 17 Panel: **Storage and Hybrid Projects**

Storage is on everyone's mind. The energy storage business model is challenging, but it's becoming more popular and seen as a necessary component to achieving scale. How will energy storage be incorporated into the PJM grid with both MOPR and FERC 841? This panel will also discuss how energy storage can enhance reliability and resiliency in the Mid-Atlantic, and how these projects are getting done.

- Usage and categorization: generation, transmission, distribution
- Lessons learned from existing storage projects
- What are the opportunities for solar + storage?
- Is financing a challenge in the current economic landscape?

Moderator:

Katlyn A. Davis Farrell, *Associate*, MCGUIREWOODS LLP

Panelists:

Brent Alderfer, *CEO and Founder*, COMMUNITY ENERGY INC.

Ray Byrne, Ph.D., IEEE Fellow, *Manager, Electric Power Systems Research*, SANDIA NATIONAL LABORATORIES

Charlie Vartanian, PE, *Senior Technical Advisor, ES Integration*, PACIFIC NORTHWEST NATIONAL LABORATORY (PNNL)

2:50-3:05 *Live Q&A*

3:05-3:15 *Afternoon Break*

3:15-4:00 Session 18 Panel: **Transmission to Support the Coming Wave of Renewables**

Mid-Atlantic needs to build more onshore transmission to facilitate the incoming surge of offshore wind generation. Moreover, achieving state RPS goals is dependent upon a system of transmission lines whose development is generally a PJM/FERC matter.

- How can federal agencies support state goals with supplemental transmission?
- How can sufficient capacity for utility-scale development be achieved?
- What are the investment plans and cost allocation?
- How are queue reform and new technologies such as storage going to be incorporated? How can reliability be improved?
- How can modeling and forecasting be used to optimize transmission operations?

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Moderator:

Soam Goel, *Senior Partner, ANBARIC*

Panelists:

Steven Broad, *Vice President Solutions, ENERGY EXEMPLAR*

Himali Parmar, *Senior Director, Energy Markets, ICF*

Dave Weaver, *Vice President, Transmission Strategy, EXELON*

Brian D. Weber, *Managing Director, Transmission Development, AMERICAN ELECTRIC POWER (AEP)*

- 4:00-4:15 *Live Q&A*
- 4:15-4:25 **Closing Remarks by Chairperson**
- Brian J. Kelly**, *Partner, MCGUIREWOODS LLP*
- 4:25-5:30 *Conference Platform Open for Virtual Networking*

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