

### Sunday, October 28

6:00 pm – 8:00 pm    **IDEA Executive Committee Meeting and Dinner**

### Monday, October 29

8:00 am – 10:00 am    **Exhibitor Setup – Atrium**

8:00 am – 9:30 am    **MRC Board of Directors Meeting – Charles**

9:00 am – 6:30 pm    **Registration Open – Constellation Foyer**

9:30 am – 11:30 am    **IDEA Board of Directors Meeting – Chesapeake AB**

12:00 pm – 1:30 pm    **Opening Remarks and Keynote Luncheon – Constellation Ballroom AB**  
Featuring **Commissioner Cheryl A. LaFleur, Federal Energy Regulatory Commission**

1:30 pm – 2:00 pm    **Dessert & Coffee with Business Partner Exhibitors – Atrium**  
*Sponsored by Concord Engineering*

#### Conference Plenary Session *Location: Constellation Ballroom AB*

2:00 pm – 3:00 pm    **Opening Plenary Panel 1: Microgrids – An Operational Perspective - Constellation Ballroom AB**  
**Moderator: Rob Thornton, President & CEO, IDEA**  
Leading industry and utility experts discuss the evolution of microgrid markets, the surge in momentum and regulatory reform, and the range of opportunities and challenges emerging as more and more segments of the economy recognize the value of enhanced business continuity and benefits of more resilient local distributed generation resources.

Panelists Include:  
Brian Asparro, Enel X North America  
Eric Coffman, Office of Energy and Sustainability at Montgomery County, MD  
Bob Manning, Harvard University  
Juan Ontiveros, UT Austin  
Chris Potter, Architect of the Capitol  
Damian Sciano, Consolidated Edison

3:00 pm – 3:30 pm    **Refreshment Break with Business Partner Exhibitors**

3:30 pm – 4:30 pm    **Plenary Panel 2: Market Design & Policies that Support Multi-Customer Microgrids: Lessons Learned in Development, Financing, and Operations of Microgrids - Constellation Ballroom AB**  
**Moderator: Christopher Berendt, Drinker Biddle & Reath; MRC Counsel**  
Panelists discuss the types of policies and tariffs that enable the development of multi-customer microgrids to serve hosts, communities and regional power markets. From conceptual planning and service structuring to commissioning and operations this panel will share best practices on accelerating deployment for multi-customer microgrids in various market segments including institutions, military bases, healthcare, research clusters, central business districts, mixed use developments and mission-critical public services. How are valuations treated and risk apportioned? What is the role of local or state government? What are the speedbumps impeding deployment? How can industry impact regulatory reform?

	Panelists Include: Dan Dobbs, Anbaric Benjamin Israel, Washington Gas Tom Nyquist, Princeton University Mike Webster, ICETEC		
	<b>1A</b> <b>Contracts, Regulatory &amp; Financial Engineering for Microgrid Projects</b> <i>Moderator: Sandeep Jain, Advisian</i> <i>Location: Constellation AB</i>	<b>1B</b> <b>Resilient Microgrids for Military and Critical Facilities</b> <i>Moderator: Nandini Mouli, eSai, LLC</i> <i>Location: Constellation CD</i>	<b>1C</b> <b>Grid Resiliency and Renewable Energy Integration</b> <i>Moderator: Bob Smith, RMF Engineering</i> <i>Location: Constellation EF</i>
4:30 pm – 5:00 pm	<a href="#">Regulatory &amp; Financial Engineering for Microgrids</a> – <i>C. Baird Brown, eco(n)law; Mike Webster, ICETEC</i>	<a href="#">Tactical Microgrid Systems for the U.S. Military</a> - <i>Scott Manson, Schweitzer Engineering Laboratories</i>	<a href="#">Arlington Microgrid - A Learning Experience for the Utility Marketplace</a> - <i>Michael Dempsey &amp; Justin Gruetzner, Burns &amp; McDonnell</i>
5:00 pm – 5:30 pm	<a href="#">Design Build Construction: Streamlining Distributed Generation &amp; CHP-based Microgrids</a> – <i>Matt Nyquist, Concord Engineering</i>	<a href="#">Value of Energy Resiliency in Military Microgrids for Energy Security</a> - <i>Mohammad Nikkhah Mojdehi, O'Brien &amp; Gere</i>	<a href="#">Integrating and Optimizing Renewables in District Energy Microgrids</a> - <i>Tristan Jackson, Advisian (WorleyParsons Group)</i>
5:30 pm – 6:30 pm	<b>Welcome Cocktail Reception with Business Partner Exhibitors – Atrium</b> <i>Sponsored by Advisian</i>		
Tuesday, October 30			
7:00 am – 6:00 pm	<b>Conference Registration – Constellation Foyer</b>		
7:00 am – 8:00 am	<b>Continental Breakfast with Business Partner Exhibitors – Atrium</b> <i>Sponsored by Thermo Systems</i>		
7:30 am – 8:00 am	<b>Speaker &amp; Moderator Meeting – Chesapeake AB</b>		
	<b>2A</b> <b>Designing &amp; Installing Advanced Microgrids</b> <i>Moderator: Serge Zinger, Thermo Systems</i> <i>Location: Constellation CD</i>	<b>2B</b> <b>CHP &amp; Thermal Strategies for Enhancing MG Value</b> <i>Moderator: Brian Davenport, CHA Consulting</i> <i>Location: Constellation EF</i>	
8:00 am – 8:30 am	<a href="#">Designing Advanced Microgrids for 'Shelters in Place'</a> - <i>Paul Van Gelder, CHA Consulting, Adam Zellner, Greener by Design</i>	<a href="#">Thermal Strategies for Optimizing Microgrid Resiliency, Costs and Carbon</a> - <i>Mark Spurr, FVB Energy</i>	
8:30 am – 9:00 am	<a href="#">New Jersey Town Center Microgrids in Hoboken, Neptune and Galloway</a> - <i>Joseph Sullivan, Concord Engineering</i>	<a href="#">Syracuse Community Microgrid with Waste to Energy CHP</a> – <i>Ryan Voorhees, CHA Consulting; Lavelle Freeman, GE Energy Consulting</i>	
9:00 am – 9:30 am	<a href="#">Profitability Thresholds of Resilient Microgrids and How to Exceed Them</a> - <i>Carlos Gamarra, Houston Advanced Research Center</i>	<a href="#">CHP Systems Increase the Value and Reduce the Cost of Microgrids</a> - <i>William Steigelmann; Jack Sins, Unison Energy</i>	

9:30 am – 10:00 am	<a href="#"><u>Utilizing Advanced Microgrid Controls to Approach 100% Renewable Power</u></a> – Emily LeJeune, S&C Electric Company	<a href="#"><u>Microgrid Absorbers Designed for Maximizing Waste Heat Recovery</u></a> – Kevin Fu, Broad USA
10:00 am – 10:45 am	Refreshment Break with Business Partner Exhibitors – Atrium	
	<p><b>3A</b>  <b>Policy, Programs &amp; Pathways for Microgrid Progress</b>  <b>Moderator: C Baird Brown, eco(n)law LLC</b>  <b>Location: Constellation CD</b></p>	<p><b>3B</b>  <b>Best Practices in Implementing, Commissioning &amp; Testing Microgrids</b>  <b>Moderator: Chris Evanich, S&amp;C Electric Company</b>  <b>Location: Constellation EF</b></p>
10:45 am – 11:15 pm	<a href="#"><u>Driving Innovation through State Energy Programs</u></a> – Rory Spangler, Maryland Energy Administration	<a href="#"><u>Form &amp; Function of Large Scale CHP in an Urban Environment</u></a> – Jesse Conklin, BOND; Dominick Roveto, Ellenzweig Architecture & Planning; Mike Thornton, RG Vanderweil Engineers
11:15 am – 11:45 am	<a href="#"><u>Policy Pathways for Microgrids Progress-Cases from Multiple Jurisdictions</u></a> - Michael Zimmer, Microgrids Institute and Ohio University; Tom Stanton, National Regulatory Research Institute	<a href="#"><u>The Devil’s in the Details: Yale University Microgrid Reliability Upgrades and Commissioning Best Practices</u></a> - Samuel Olmstead, Yale University
11:45 am – 12:15 pm	<a href="#"><u>A Microgrid Configured as a Boiler plus Back Pressure Steam Turbine</u></a> – Suresh Jambunathan, Energy & Water Development, LLC	<a href="#"><u>Lessons Learned from Commissioning and Annual Testing of Microgrids</u></a> - Rene Martinez & Robert Rose, A/Z Corporation
12:15 pm – 1:15 pm	Networking Luncheon – Constellation AB Sponsored by Solar Turbines	
1:15 pm – 2:00pm	Dessert & Coffee with Business Partner Exhibitors – Atrium Sponsored by WGL Energy Systems	
	<p><b>4A</b>  <b>Structuring Business Models for Ownership, Operations &amp; Financing Microgrids</b>  <b>Moderator: Joe Sullivan, Concord Engineering</b>  <b>Location: Constellation CD</b></p>	<p><b>4B</b>  <b>Transforming Urban Microgrids with Electric System Design &amp; Controls</b>  <b>Moderator: Mike Dempsey, Burns &amp; McDonnell</b>  <b>Location: Constellation EF</b></p>
2:00 pm – 2:30 pm	<a href="#"><u>A Case Study for a Sustainable Microgrid: The International Institute for Peace and Sustainable Development in Malaysia</u></a> – Matthew Ross, Jennings, Strouss & Salmon	<a href="#"><u>Transforming New York’s Electricity System with the Marcus Garvey Village Microgrid</u></a> – Phil Martin, Enel X North America
2:30 pm – 3:00 pm	<a href="#"><u>Incorporating Absorption Cooling into Microgrids</u></a> – Rajesh Dixit, Johnson Controls, Inc.	<a href="#"><u>Implementing Control System Solutions for Hybrid Isolated Micro-Grid with CHP</u></a> - Serge Zinger, Thermo Systems; Cedric Chan, Waldron Engineering
3:00 pm – 3:30 pm	<a href="#"><u>A Hybrid Business Model for NY-Prize Community Microgrids</u></a> - Thomas Chorman, National Grid	<a href="#"><u>Adapting Existing Electrical Systems for Modern Microgrids</u></a> - Erika Weliczko, Case Western Reserve University; Christopher Evanich, S&C Electric Company

3:30 pm – 4:00 pm	<a href="#"><u>Solar + Combined Heat &amp; Power for Increased Resilience &amp; Productivity</u></a> - Mark Feasel, Schneider Electric	<a href="#"><u>Integrated Approach to a Municipal Microgrid</u></a> – Nitin Pathakji, Smith Engineering
4:00 pm – 4:30 pm	Refreshment Break with Business Partner Exhibitors – Atrium	
	<b>5A</b> <b>Virtual Power Plants &amp; International Microgrids</b> <i>Moderator: Mark Feasel, Schneider Electric</i> <i>Location: Constellation CD</i>	<b>5B</b> <b>Innovative Storage Solutions for Resilient Microgrids</b> <i>Moderator: Chris Lyons, Solar Turbines</i> <i>Location: Constellation EF</i>
4:30 pm – 5:00 pm	The Value of Microgrids as a Virtual Power Plant – Nandini Mouli, eSai, LLC	<a href="#"><u>Burlington Project: Grid Tied Microgrid and EV Fast Charger “Invisible” to Utility</u></a> - Aleksey Toporkov, ARDA Power
5:00 pm – 5:30 pm	<a href="#"><u>Black &amp; Veatch Innovation Pavilion Microgrid- A Living Laboratory</u></a> – James McDaniel, Black & Veatch	<a href="#"><u>Storage Solutions for Multi-Stakeholders at Denver’s Pena Station</u></a> – Dean Tuel, Younicos
5:30 pm – 6:30 pm	Cocktail Reception with Business Partner Exhibitors – Atrium <i>Sponsored by RTDS Technologies</i>	
6:30 pm – 8:00 pm	Exhibitor Breakdown – Atrium	
<b>Wednesday, October 31</b>		
7:30 am – 8:30 am	Breakfast & Pre-Tour Briefing – Constellation EF	
9:15 am – 1:00 pm	<b>Technical Tours</b> – Buses depart for site visits to local/regional microgrids. <b>Tour A</b> – Montgomery County Public Safety Headquarters <b>Tour B</b> – Federal Research Center at White Oak Microgrid Buses will stop at BWI Airport around 12:30 PM before returning to hotel	