

Monday, November 6		
10:00 am	Workshops Registration Opens – Georgian Coat Room	
10:00 am – 3:00 pm	Exhibitor Setup Opens – Grand Ballroom B	
1:00 pm – 5:00 pm	Pre-Conference Workshops	
	<p>Workshop 1: Business Models & Financing for Microgrid Deployment <i>Location: Georgian Room</i> <i>Moderator: Baird Brown, Drinker Biddle & Reath</i></p> <p>This workshop will focus on best practices in economic, business model innovation and risk mitigation strategies.</p>	<p>Workshop 2: Cities Powered by Microgrids – Getting from Concept to Implementation <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Chris Evanich, S&C Electric</i></p> <p>This workshop will delve into what it takes to move a microgrid from concept and vision, through to design and implementation.</p> <p>Sponsored by S&C Electric</p>
1:00 pm – 1:40 pm	<p>Microgrid Implementation Models & Inverting the Microgrid Risk Proposition - <i>Joe Sullivan, Concord Engineering</i></p>	<p>Getting To “Microgrid-Ready” What does it take to put together a well-performing Microgrid?</p>
1:40 pm – 2:40 pm	<p>Panel Discussion: Financing, De-Risking, and Investing in Microgrids Microgrids face many recurring financial barriers preventing a faster rate of market uptake. Panelists will discuss the risks, financial challenges and solutions for investing in microgrids. Panelists include: Coleman Adams, Crescendo Power Soam Goel, Anbaric John Murray, Delta Energy & Environment Sudipta Lahiri, DNV GL Clark Wiedetz, Siemens</p>	<p>Technical Considerations – <i>Michael Higginson, S&C Electric</i> Stakeholder Engagement for Success and PEER as a Tool for Microgrid Performance– <i>Stephanie Pine, IPERC</i></p>
2:40 pm – 3:10 pm	<p>Case Study of Microgrids in New York and Costa Rica – <i>Doug Staker, Demand Energy Networks</i></p>	<p>Panel Discussion: Cities and Microgrids Thermal and electric resiliency are driving cities to consider Microgrid solutions. Panelists will provide insights, opportunities and challenges. Panelists include: Galen Nelson, MassCEC Brad Swing, City of Boston Michael Higginson, S&C Electric Stephanie Pine, IPERC</p>
3:10 pm – 3:40 pm	Coffee & Refreshment Break for Workshop Participants – Exeter Foyer Sponsored by Crescendo Power	
3:40 pm – 4:10 pm	<p>So You Want To Be Your Own Utility? - <i>Chilkoot Ward, University of Alaska Fairbanks</i></p>	<p>Amtrak NYC and Transit Oriented Microgrids – <i>Michelle Isenhouer Hanlin, Booz Allen Hamilton</i></p>
4:10 pm – 4:40 pm	<p>Microgrids Bring Certainty to Healthcare - <i>Steve Pullins, Dynamic Energy Networks</i></p>	<p>Political, Financial and Technical Considerations of a Municipal Multi-User Microgrid - <i>Douglas Nordham, Arup North America</i></p>
4:40 pm – 5:10 pm	<p>Case Study of an Automated Power Distribution System Serving a Medical Center Campus - <i>Stephen Bowman, Wiley Wilson</i></p>	<p>Working with Utilities: How to Make the Microgrid/Utility Relationship Work for Everyone- <i>Peter Falcier, GI Energy</i></p>

5:10 pm – 6:30 pm	Welcome Reception with Business Partner Exhibitors – Grand Ballroom B Sponsored by BOND and GE
Tuesday, November 7	
7:00 am	Conference Registration – Georgian Coat Room
7:15 am – 7:45 am	Speaker/Moderator Orientation – Constitution Room (4th Floor)
7:00 am – 8:00 am	Continental Breakfast with Business Partner Exhibitors – Grand Ballroom B Sponsored by Milton CAT
8:00 – 8:10 am	Conference Opening/Introductions – Rob Thornton, President & CEO, IDEA
	Opening Plenary Panel: Mission-Critical Microgrids Today – An Operational View <i>Location: Grand Ballroom A</i> <i>Moderator: Rob Thornton, IDEA</i>
8:10 am – 9:00 am	Mission-critical microgrids are in operation supporting life sciences, manufacturing, research, institutions and world-class healthcare. What are the keys to success – In design and development? In operation? In financing and economics? In reliability? In optimization? Panelists include: <ul style="list-style-type: none"> • John Baker, Associate Vice Chancellor of Facilities, UMASS Medical School • Jack Griffin, Vice President & General Manager Boston, SourceOne (a Veolia Company) • John Kelliher, Senior Plant Engineer, Biogen • Robert Manning, Director of Engineering & Utilities, Harvard University • Randy Preston, Director University Energy Project, Tufts University • Doug Staker, Vice President, Global Business Development, Demand Energy Networks
	Plenary Panel 2: Accelerating a Microgrid Market – How Do We Get There From Here? Leadership Roundtable <i>Location: Grand Ballroom A</i> <i>Moderator: Elisa Wood, Microgrid Knowledge</i>
9:00 – 9:50 am	Enabling technologies, adaptive business models, innovative partnerships and customer needs are driving market penetration for microgrids and other non-wires alternatives (NWA's) . What are the key building blocks and market drivers? What regulatory impediments need attention? How can industry leaders best catalyze change? Invited panelists include: <ul style="list-style-type: none"> • Michael Bakas, Senior Vice President, Ameresco • Michael Carlson, President, Digital Grid North America, Siemens • Mike Kilpatrick, Vice President – Power Systems, S&C Electric • Jim Lodge, Vice President, Strategy & Business Development, NRG Thermal • Kevin Self, SVP Strategy, Business Development & Government Affairs, Schneider Electric
9:50 am – 10:10 am	Refreshment Break with Business Partner Exhibitors – Grand Ballroom B Sponsored by GI Energy
	Plenary Panel 3: The Grid of the Future – A Regulatory Perspective <i>Location: Grand Ballroom A</i> <i>Moderator: Christopher Berendt, Drinker Biddle & Reath</i>
10:10 am – 11:00 am	As more customers seek enhanced resiliency, energy security and operational flexibility, the utility industry is experiencing profound change in regulations and business models. How are regulators balancing the needs for innovation and modernization with consumer protection and investor confidence while enabling development of the “grid of the future”? What are

	<p>the emerging regulatory models for microgrid deployment? How can industry inform, advise and support appropriate regulatory reform? What is the path ahead? Invited panelists include:</p> <ul style="list-style-type: none"> • Upendra Chivukula, <i>Commissioner, NJ Board of Public Utilities</i> • Macky McCleary, <i>Administrator, RI Division of Public Utilities and Carriers</i> • Stephen Pike, <i>Chief Executive Officer, MA Clean Energy Center</i> • Joe Sullivan, <i>Vice President, Concord Engineering Group</i> 	
	<p>1A Military Microgrids <i>Location: Georgian Room</i> <i>Moderator: Clark Wiedetz, Siemens</i></p>	<p>1B Microgrid Architecture <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Travis Sheehan, Gridling</i></p>
11:00 am – 11:30 am	<p>Developing Economically Viable & Resilient Microgrids – Eliot <i>Assimakopoulos, GE Power</i></p>	<p>Self-Sufficient High-Resilience Microgrids- <i>Bob Beaton, Primus Power</i></p>
11:30 am – 12:00 pm	<p>Portsmouth Naval Shipyard - History of a Microgrid - James Redden & Troy Wilsey, <i>Ameresco</i></p>	<p>Detail Engineering Challenges in Microgrid Implementations- <i>John Kumm, POWER Engineers</i></p>
	<p>2A The Evolving Microgrid Market <i>Location: Georgian Room</i> <i>Moderator: Suresh Jambunathan, Veolia</i></p>	<p>2B Microgrids in Action from Campuses to Casinos <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Scott Clark, Burns & McDonnell</i></p>
12:00 pm – 12:30 pm	<p>Use Of Stationary Fuel Cells as the Backbone of the Modern Microgrid- <i>Michael Palmer, FuelCell Energy, Inc.</i></p>	<p>Education Uninterrupted: Creating Campus Microgrids for Schools and Universities – <i>John Merritt, Ideal Power</i></p>
12:30 pm – 1:00 pm	<p>The Key Role of CHP in Microgrid Systems - William Steigelmann, Lockheed Martin</p>	<p>The Blue Lake Rancheria Microgrid: Challenges and Successes in Designing, Building, and Operating a Remote Community Microgrid - Max Majkowski, Siemens</p>
1:00 pm – 2:15 pm	<p>Keynote Luncheon Address: Anne Pramaggiore, President & CEO, Com Ed – Grand Ballroom A Anne Pramaggiore is President and CEO of ComEd, an electric utility company delivering electricity to 3.8 million customers in Chicago and Northern Illinois. A recognized industry leader and voice for innovation, Ms. Pramaggiore will share insights on the evolution of the electric utility industry and the emergence of new technologies, including the role of distribution utilities in integrating microgrids into the larger grid. Lunch Sponsored by Siemens Keynote Address Sponsored by Ameresco</p>	
2:15 pm – 2:45 pm	<p>Dessert & Coffee with Business Partner Exhibitors – Grand Ballroom B Sponsored by Fairbanks Morse and Thermo Systems</p>	
	<p>3A Microgrid Cases – Data Centers, Community Resiliency and Business Continuity <i>Location: Georgian Room</i> <i>Moderator: Terry Waldron, Waldron Engineering</i></p>	<p>3B Designing Cyber-Secure Innovative Microgrids <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: James Redden, Ameresco</i></p>

2:45 pm – 3:15 pm	A Microgrid Case Study at a Data Center Using CHP, Solar, Wind and Energy Storage – David Heim, USA Microgrids	Lessons Learned from Field Implementation of Three Utility Microgrids - Duke Energy – Jason Handley, Duke Energy
3:15 pm – 3:45 pm	Potsdam Microgrid – A Community Effort – Jon Nickerson, National Grid	MicroTurbine CHP in Microgrids – Justin Rathke, Vergent Power Solutions
3:45 pm – 4:15 pm	Refreshment Break with Business Partner Exhibitors – Grand Ballroom B Sponsored by JCI and Waldron Engineering & Construction, Inc.	
	4A Microgrid Cases – Data Centers, Community Resiliency and Business Continuity (contd) <i>Location: Georgian Room</i> <i>Moderator: Andrew Bennett, Schneider Electric</i>	4B Designing Cyber-Secure Innovative Microgrids (contd) <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Eliot Assimakopoulos, GE</i>
4:15 pm – 4:45 pm	Urban Ingenuity's New Microgrid Extension Service for Washington, DC - Shalom Flank, Urban Ingenuity	Planning for the Future: The Nation's First Cyber-Secure Utility Microgrid at Ameren- Tamer Rousan, Ameren
4:45 pm – 5:15 pm	Integrating Multiple Generation Sources Such as Solar, Battery, and Cogeneration Systems- Ben Locke, Tecogen	Lessons Learned in Successful Microgrid Controls and Protection - William Edwards, Schweitzer Engineering Laboratories, Inc.
5:15 pm – 7:00 pm	Reception with Business Partner Exhibitors – Grand Ballroom B Sponsored by G&W Electric and POWER Engineers, Inc.	
Wednesday, November 8		
7:00 am	Conference Registration Opens – Georgian Coat Room	
7:15 am – 7:45 am	Speaker/Moderator Orientation – Constitution Room (4th Floor)	
7:00 am – 8:00 am	Continental Breakfast with Business Partner Exhibitors – Grand Ballroom B Sponsored by Massachusetts Clean Energy Center	
	5A Microgrid Modeling – Technical, Economic and Regulatory <i>Location: Georgian Room</i> <i>Moderator: David Musto, Thermo Systems</i>	5B Innovative Approaches for MG Markets <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Kevin Normandeau, Microgrid Knowledge</i>
8:00 am – 8:30 am	Lawrence Berkeley National Laboratory (LBNL) has been working with industry to develop an innovative Distribution Grid Locational Value Model to assist utilities, developers and regulators with evaluating the economic and operational impact of DER and microgrids. Project participants will provide an overview/update, including:	Microgrids-as-a-Service: A New Approach to Solve Resiliency, Efficiency, Sustainability Challenges –Mark Feasel, Schneider Electric
8:30 am – 9:00 am	<ul style="list-style-type: none"> • Christopher Berendt, Drinker Biddle Reath, MRC • Gonçalo Cardoso, Lawrence Berkeley National Lab • James Reilly, J. Reilly & Associates 	Innovative Utility Partnership - Tufts University CHP Microgrid – Randy Preston, Tufts University; Michael Webster, ICETEC;

	6A Policy and Progress in the States <i>Location: Georgian Room</i> <i>Moderator: Joe Sullivan, Concord Engineering</i>	6B Mother Nature’s Mayhem Recharges Microgrid Message <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Ken Horne, Navigant</i>
9:00 am – 9:30 am	NY Prize Stage 2 Projects Update - Tom Bourgeois, DOE NE CHP TAP	The hurricanes of 2017 are supercharging the microgrid message. What’s next for Texas, Florida and Puerto Rico? Panelists will discuss what it takes to prepare, endure, and recover in these times of weather uncertainty. <ul style="list-style-type: none"> • Ted Borer, Princeton University • Jason Handley, Duke Energy • Chip Palombini, Dynapower • Jay Wrobel, Office of Energy Efficiency & Renewable Energy, DOE
9:30 am – 10:00 am	Working With Utilities in a Complex Regulatory Environment - C. Baird Brown, Drinker Biddle & Reath; MRC	
10:00 am – 10:30 am	Refreshment Break with Business Partner Exhibitors – Grand Ballroom B Sponsored by Advisian and Concord Engineering	
10:30 am – 1:30 pm	Exhibit Breakdown – Grand Ballroom B	
	7A CHP District Energy Microgrids <i>Location: Georgian Room</i> <i>Moderator: Rich Rappa, CHA Consulting</i>	7B Design Best Practices in Controls, Monitoring & Optimization <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Chris Evanich, S&C Electric</i>
10:30 am - 11:00 am	Optimizing District Energy Systems with CHP and Microgrid Controls - Scott Higgins, Schneider Electric	Hudson Yards – A Sustainable Approach to Resiliency - Haig Monokian, Thermo Systems & Michael Thornton, Vanderweil Engineers
11:00 am – 11:30 am	CHP with Spinning Reserve - Core of a Larger Microgrid - Suresh Jambunathan, Veolia	Optimization of Microgrid Assets Using Artificial Intelligence - Terry Waldron, Waldron Engineering & Construction
11:30 am – 12:00pm	Climate Change and Resilient District Energy - Tim Peer, BOND	Model-Based Online Power Management system - A key element of any Microgrid program – Mohammad Reza Dadash Zadeh, ETAP
12:00 pm – 1:00 pm	Networking Luncheon and Pre-Tour Briefing – Grand Ballroom A Sponsored by Demand Energy Networks, Inc.	
	8A Making Microgrids Work <i>Location: Georgian Room</i> <i>Moderator: Tim Peer, BOND</i>	8B Storage Solutions <i>Location: Arlington/Berkeley/Clarendon</i> <i>Moderator: Sandeep Jain, Advisian</i>
1:00 pm – 1:30 pm	Microgrid Islanding with CHP - The Evolution of a Project - Michael Dempsey, Burns & McDonnell	Understanding Microgrid & Energy Storage Feasibility Studies - John Vernacchia, Eaton
1:30 pm – 2:00 pm	Financial and Engineering Case Study of a Two-Sided Platform Business Model for Microgrids Using Existing CHP Facilities in Brooklyn and Queens – Guy Warner, Pareto Energy	The Future of Microgrids – How Energy Storage Systems Add Reliability and Efficiency - Björn Lang, Younicos
2:00 pm – 2:30 pm	How End Users & Utilities Can Benefit Using CHP in Microgrid Applications- Chris Lyons, Solar Turbines	Energy Storage-Based Microgrids - Bill Sproull, ESS Inc

2:30 pm – 2:45 pm	Area Microgrid Tours – Registered participants will board buses for departure promptly at 2:45 pm. Sponsored by Schneider Electric
2:45 pm – 6:00 pm Tour D return - 6:30 pm	<p>Microgrid Technical Tours – Site visits to area microgrids. Planned locations include:</p> <ul style="list-style-type: none"> A) Harvard University CHP Microgrid at Blackstone Station, Cambridge B) MATEP CHP Microgrid at Longwood Medical Area C) Kendall Cogeneration Station AND Biogen CHP Pharmaceutical Microgrid, Cambridge D) Special Sponsor Tour of the Schneider Electric Boston One Campus Microgrid in Andover, MA. <p>Please register for one of four (1 of 4) tour locations. Each bus will visit one facility. Round trip bus returns to hotel at approx 6:00 pm. Tour D return time estimated 6:30 pm. Space availability will be limited and transit times estimated due to location and traffic variability.</p>