



CampusEnergy2020

THE POWER TO CHANGE

FEBRUARY 10-14 ▲ SHERATON DENVER DOWNTOWN ▲ DENVER, CO

*Preliminary Program as of 1.16.2020
TIMES AND CONTENT SUBJECT TO CHANGE*

Monday, February 10	
10:00 am – 7:00 pm	Registration Open – Plaza Registration
10:30 am – 1:00 pm	CLOSED MEETING – IDEA Executive Committee Meeting & Luncheon – Plaza Court 6
12:00 pm – 4:00 pm	CLOSED MEETING – IDEA Board of Directors Meeting & Luncheon – Plaza Ballroom A
1:00 pm – 5:00 pm	Thermal Distribution Workshop – Separate registration fee required, see separate program for detailed content – Plaza Ballroom F <i>Sponsored by Con Edison</i>
1:00 pm – 5:00 pm	Microgrid Workshop – Separate registration fee required, see separate program for detailed content – Plaza Ballroom D <i>Sponsored by icetec</i>
5:00 pm – 6:00 pm	Welcome Reception – For all Workshop participants and IDEA Board of Directors – Plaza Exhibit Hall

Tuesday, February 11	
7:00 am – 7:00 pm	Registration Open – Plaza Registration
7:00 am – 8:00 am	Workshop Breakfast – For registered Workshop participants – Plaza Ballroom A&B
8:00 am – 4:00 pm	Thermal Distribution Workshop – Separate registration fee required, see separate program for detailed content – Plaza Ballroom E&F <i>Sponsored by Con Edison</i>
8:00 am – 4:00 pm	Microgrid Workshop – Separate registration fee required, see separate program for detailed content – Plaza Ballroom D <i>Sponsored by icetec</i>
12:00 pm – 4:00 pm	Exhibitor Table Set Up – Plaza Exhibit Hall
12:00 pm – 4:00 pm	Poster Presentation Set Up – Plaza Exhibit Hall
12:00 pm – 1:00 pm	Workshop Luncheon – For Distribution and Microgrid Workshop attendees only – Plaza Ballroom A&B

4:00 pm – 5:00 pm	Campus Forum Meeting – Governors Square 12 A forum for open dialogue among college/university campus energy personnel only. (Limited to campus system owners only.)
5:00 pm – 6:30 pm	Opening Reception for All Conference + Workshop Attendees with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by Carrier, Greenland Enterprises, Inc. & Jacobs</i>
	5:00-5:30 PM - First Time Attendee/New Member Meeting
	5:45-6:30 PM – District Energy Women’s Initiative (DEWI) Meeting

Wednesday, February 12	
7:00 am – 7:00 pm	Registration Open – Plaza Registration
7:00 am – 8:30 am	Breakfast with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by Rentech</i>
7:15 am – 7:45 am	Speaker and Moderator Orientation Meeting – Governors Square 14 <i>Breakfast will be served for speakers and moderators. Must attend if you are speaking or moderating on this day.</i>
8:30 am – 8:40 am	Opening Session – Plaza Ballroom A-C Introductions – <i>Rob Thornton, IDEA President & CEO</i> Welcome to IDEA – <i>Scott Clark, IDEA Chair</i>
8:40 am – 10:00 am	Opening Plenary Panel Discussion: <i>District Energy: The Power to Change</i> – Plaza Ballroom A-C Invited panelists include: <ul style="list-style-type: none"> • Gregg Coffin, Director, Energy Management, University of Missouri Columbia • Alan Daeke, Director, Utilities & Engineering Services, North Carolina State University • Bill DiCroce, President & CEO, Vicinity Energy • Scott Barr, Director, Sales and Marketing, Clearway Energy • Samuel Olmstead, Director of Utilities, Yale University • Tim Peer, Vice President, District Energy, BOND • Michael Schack, Operational Marketing Group Director, Industrial Hub, ENGIE • Douglas Wells, Director, Engineering Services, California State University Northridge <p>The theme of the conference and this panel is “<i>District Energy: The Power to Change</i>”, exploring the trends, challenges, opportunities, and planning for a lower-carbon future.</p> <i>Moderated by Rob Thornton, IDEA</i>
10:00 am – 10:45 am	Refreshment Break with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by FVB Energy, Inc. & Wiley Wilson</i>

	Posters – Plaza Exhibit Hall Presenters will be available by their posters to answer questions. Poster presentations and presenters are listed at the end of the program and are also available on the CampusEnergy2020 Mobile App.				
	1A: Master Planning and System Design <i>Plaza Ballroom F</i> Moderator: Nathan Ninemire, Burns & McDonnell	1B: District Cooling System Overhaul for Efficiency and Flexibility <i>Plaza Ballroom E</i> Moderator: Larry Salguero, ENGIE	1C: Linking Microgrids with District Energy <i>Plaza Ballroom D</i> Moderator: Joseph Sullivan, Concord Engineering	1D: Plant & System Optimization <i>Governors Square 15</i> Moderator: Richard Damecour, FVB Energy	1E: Models, Tools & Connected Plants <i>Governors Square 12</i> Moderator: Chris Farr, Jacobs
10:45 am – 11:15 am	Emerging Technologies Shaping a Data-Driven Environment – Casey Reimann & Peter Nelson, Jacobs	Gas Fired Chiller Replacements at UConn – Tim Grady, University of Connecticut; John Turner, BOND; Alan Vanags, BVH Integrated Solutions	Using Microgrid Controls to Operate a CHP/Steam Plant – Malcolm Bambling, University of Michigan; Aaron Fogle, RoviSys	Detailed Monitoring and Engineering Oversight at Texas Tech – Don Moore, Texas Tech University; Ken Scheepers, utiliVisor	Modeling Decisions for an Optimal Solution at University of Florida – Chuson McFadden & Kevin Fox, Jacobs
11:15 am – 11:45 am	Gainesville Regional Utilities: The Importance of Revisiting a Utility Master Plan – Chuck Heidt, Gainesville Regional Utilities; John Lee, Burns & McDonnell	Chiller Performance Improvement via Tube Fouling Prevention at UW-Madison – Jeffrey Pollei, University of Wisconsin; Charles Dirks, Innovas Technologies	Powering Up: Inside the Design of the Supercomputer Frontera Installation at UT Austin – Juan Ontiveros, University of Texas at Austin; Tarek Tousson, Stanley Consultants	UC Davis Chilled Water, Thermal Storage and Building Integrated Optimization Project – David Trombly, Joe Yonkoski & Joshua Morejohn, The University of California at Davis; John Rundell, Smith Engineering	How to Procure Outcomes to Advance District Energy and Sustainability Goals – Shanti Pless, NREL; Marc Couture, Ecosystem Energy Services; Matt Jungclaus, Rocky Mountain Institute
11:45 am – 12:15 pm	Designing and Implementing an Ultra Efficient Chilled Water System at Wake Forest University – Mike Draughn, Wake Forest University; Brock Frisbie, Optimum Energy; Chase Davis, RMF Engineering	Optimizing Project Budgets and Outcomes: Butler University District Cooling Renovation and Upgrades – Taylor Smith, Butler University; Amanda Doenges & Ryan O’Connell, Heapy	The Journey to an Efficient Centralized Utility System with a Smart Microgrid at Montclair State University – Frank Dicola, DCO Energy; Bharat Tummala, Schweitzer Engineering Laboratories	How Real-time Hydraulic Modeling Enables Optimization at University of British Columbia – Thomas Lund Hansen, Reliability Efficiency & Optimization	Modernization of Control and Information Infrastructure for Utility Plant Control System – Jim Riley & Rene Rios, Texas A&M University; Tom McDonnell, Rockwell Automation
12:15 pm – 1:45 pm	Campus Energy Recognition and Networking Luncheon – Plaza Ballroom A-C <i>Sponsored by Burns & McDonnell, Solar Turbines & Trane</i>				
1:45 pm – 2:30 pm	Dessert & Coffee with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by The RMH Group & Stanley Consultants</i>				
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	2A: Symposium 1 Decarbonization Options & Pathways <i>Plaza Ballroom F</i> <i>Moderator: Nate Cesarz, Affiliated Engineers</i>	2B: Symposium 2 Business Models & Financing <i>Plaza Ballroom E</i> <i>Moderator: Blake Ellis, Burns & McDonnell</i>	2C: Symposium 3 Talent Management & Training <i>Plaza Ballroom D</i> <i>Moderator: Nina Axelson, Ever-Green Energy</i>	2D: Symposium 4 Biomass, Biofuels & Biogas Systems <i>Governors Square 15</i> <i>Moderator: Bob Smith, RMF Engineering</i>	2E: Symposium 5 District Energy from Sewage Heat Recovery <i>Governors Square 12</i> <i>Moderator: Jesse Cabrera, Stanley Consultants</i>
2:30 pm – 2:50 pm	<u>Lessons Learned: Developing a Showcase Central Utility Plant for the University of Florida's College of Veterinary Medicine</u> – Jennifer Meisenhelder, University of Florida; Marc Craddock, Siemens Industry Inc., Smart Infrastructure	<u>Microgrids and Emerging Utility Business Models: The Role of Distribution Support Service Agreements</u> – Chris Berendt, Drinker, Biddle & Reath, LLC	<u>Winning the War for Talent</u> – Austin Kelly, TECO (Thermal Energy Corporation); Shaun Six, RedEye	<u>What are the Greenhouse Gas Emissions of Biofuels?</u> – Mark Spurr, FVB Energy	<u>Designing Denver's First Wastewater District Energy System</u> – Catherine Thorn, Enwave; Laura Rip, Jacobs; Calum Thompson, AECOM
2:50 pm – 3:10 pm	<u>Decarbonized District Energy Network for New Stanford Campus</u> – Andrew Lau-Seim, Stanford University; Colin Moyer & Mike Bove, Affiliated Engineers	<u>DU's Authentic and Innovative Approach to Carbon Neutrality</u> – Lynn Bailey & James Rosner, University of Denver	<u>The Struggle is Real: Hiring and Keeping #millennials</u> – Viet Le, Jacobs	<u>Biomass Solutions for Decarbonizing Your Campus with District Heating</u> – Claus Larsen, Linka Energy	<u>Centralized Renewable Energy System</u> – Charlie Griesen & Aaron Evans, University of Nebraska
3:10 pm – 3:30 pm	<u>Decarbonization Options for the Future</u> – Chris Lyons, Solar Turbines	<u>Marketing Your Project to a Board of Directors</u> – Lindsey Kuhnen, Jacobs	<u>Safety Culture Improvement Process</u> – Melissa Seedorf & Malcolm Bambling, University of Michigan	<u>Biomass Powered ORC Turbine at Dalhousie University</u> – Peter Cherry, Dalhousie University; Michael Conte, FVB Energy; Ilaria Peretti, Turboden SpA	<u>Tools and Concepts for Wastewater Heat Recovery</u> – Mike Homenuke, Kerr Wood Leidal
3:30 pm – 4:15 pm	Refreshment Break with Business Partner Exhibitors – <i>Plaza Exhibit Hall</i> Sponsored by Affiliated Engineers & Chem-Aqua				
	Posters – <i>Plaza Exhibit Hall</i> Presenters will be available by their posters to answer questions. Poster presentations and presenters are listed at the end of the program and are also available on the CampusEnergy2020 Mobile App.				

	3A: Denver Area District Energy Systems <i>Plaza Ballroom F</i> <i>Moderator: Willa Kuh, Affiliated Engineers</i>	3B: Managing Peaks <i>Plaza Ballroom E</i> <i>Moderator: Anthony Lepo, Stantec</i>	3C: System Design & Aesthetics <i>Plaza Ballroom D</i> <i>Moderator: David Nardi, Wiley Wilson</i>	3D: Integration of Renewables <i>Governors Square 15</i> <i>Moderator: Chris Lyons, Solar Turbines</i>	3E: Innovative Chiller Solutions <i>Governors Square 12</i> <i>Moderator: Stephen Seckler, Greenland Enterprises</i>
4:15 pm – 4:45 pm	<u>The Colorado School of Mines Heating Plant Renovation</u> – Andrew Mudd, Colorado School of Mines	<u>Peak Load Shaving Analysis for Yale New Haven Hospital</u> – Andrew Kozak & Anthony Thompson, BR+A	<u>Blending Utility Distribution Systems into a Campus Environment</u> – Steven Buckler, RMF Engineering	<u>Integrating Solar Thermal and Biogas into an Innovative District Energy System Replacement</u> – Joshua Morejohn & Joseph Yonkoski, The University of California at Davis; Quindi Guiseppe, Syska Hennessy Group	<u>Transforming Campus Infrastructure to Improve Sustainability and Energy Efficiency</u> – Michael Pieper, University of North Dakota; Russell Garcia & Brody McMurtry, Johnson Controls
4:45 pm – 5:15 pm	<u>Denver International Airport’s Chiller Replacement – Navigating Unpredictable Construction Challenges</u> – Kristian Jonsson, Denver International Airport; Chris Sanchez, Burns & McDonnell	<u>District Energy: Efficiency, Resiliency & Financing – University of Utah Health Science Campus</u> – Erick Allen & DJ Hubler, McKinstry	<u>Scary Noise? – District Cooling & CHP Infrastructure in Sensitive Campus Locations</u> – Jane Weinzapfel & Winne Stopps, Leers Weinzapfel Associates; Jim Barnes, Acentech	<u>The Role of Environmental Attributes from CHP & Carbon Reduction Projects on a College Campus</u> – Thomas Jacobsen, Blue Delta Energy, LLC	<u>Modular Type Chiller Plant Design Adds Capacity, Saves Time</u> – Richard Duane, Austin Energy; Jesse Cabrera, Stanley Consultants
5:15 pm – 6:45 pm	Cocktail Reception with Business Partner Exhibitors – <i>Plaza Exhibit Hall</i> Sponsored by NextEra Energy Resources & Ramboll				
	5:30-6:00 PM – Young Professionals Group (YPG) Meeting				
7:00 pm – 9:30 pm	Offsite Dinner – <i>Wings Over the Rockies Air and Space Museum</i> <i>Join IDEA for an evening at Wings Over the Rockies Air and Space Museum, located on the former Lowry Air Force Base in Denver. The museum preserves the history of Lowry AFB's operations from 1938 to 1994 in its collections, archives, and research library.</i> Sponsored by Clearway Energy, Eaton, ENGIE N.A., Johnson Controls & Vicinity				

Thursday, February 13	
7:00 am – 5:30 pm	Registration Open – <i>Plaza Registration</i>
7:00 am – 7:50 am	Breakfast with Business Partner Exhibitors – <i>Plaza Exhibit Hall</i> Sponsored by The Whiting-Turner Contracting Company

7:15 am – 7:45 am	Speaker Orientation Meeting – Governors Square 14 <i>Breakfast will be served for speakers and moderators. Must attend if you are speaking or moderating on this day.</i>				
	4A: Modernizing Systems – Campuses, Cities & Communities <i>Plaza Ballroom F</i> <i>Moderator: Michael Burns, Ever-Green Energy</i>	4B: Combined Heat & Power <i>Plaza Ballroom E</i> <i>Moderator: Justin Lajeunesse, BOND</i>	4C: Thermal Energy Storage <i>Plaza Ballroom D</i> <i>Moderator: John Andrepont, The Cool Solutions Company</i>	4D: Water Conservation, Reuse & Optimization <i>Governors Square 15</i> <i>Moderator: Joan Kowal, Emory University</i>	4E: Metering, Monitoring, Controls & Data Management <i>Governors Square 12</i> <i>Moderator: Justin Carron, Eaton</i>
8:00 am – 8:30 am	<u>Modernizing the DES in Canada's Capital</u> – Tomasz Smetny-Sowa, Public Services and Procurement Canada; Jim Manson, FVB Energy	<u>Pragmatic Approach to Implementing CHP at a Small University</u> – Dave Good, Gallaudet University; Shalom Flank, Urban Ingenuity	<u>Parallel TES Systems – In It to Twin It!</u> – Nick Schroeder & Roberto Del Real, The University of Texas at Austin	<u>Direct Non-Potable Water Reuse in the Northeastern US – A Resource for Campus Energy Facilities</u> – Bruce Douglas, Natural Systems Utilities	<u>University of Minnesota SE Heating Plant Controls Upgrade Success Story</u> – Mike Grimstad, University of Minnesota; Grant Selking, Thermo Systems
8:30 am – 9:00 am	<u>Addressing Financial, Operational and Technical Issues of an Aging Coal-Fired Steam System at University of Wyoming</u> – Forrest Selmer, University of Wyoming; Bill Koller, GLHN Architects & Engineers	<u>Smart Campus: Ohio State University's Leadership in Campus Energy Infrastructure</u> – Serdar Tufekci, ENGIE	<u>Thermal Energy Storage at Rockefeller Center</u> – William Kain, Vanderweil Engineers	<u>The WaterHub® – Sustainable Utility Management Through Water Reclamation and Reuse</u> – Bob Salvatelli, Sustainable Water	<u>Integral Approach for Control Room and Human Machine Interface Design</u> – Jeremy Shook & Laura Nies, Burns & McDonnell
9:00 am – 9:30 am	<u>Growth, Managing Costs and Reducing Carbon at Mayo Clinic by Leveraging DERs</u> – Steve Willins, Kinect Energy Group; Brett Gorden, Mayo Clinic	<u>Six Questions to Ask Before Building a CHP Plant</u> – Brad Pankow, Stanley Consultants	<u>Optimization of Largest Sensible TES CHW System in Manhattan with Hudson River Heat Rejection</u> – Travis Smith, Smith Engineering; Craig Filaski, Carrier; Daniel Kindbergh, Brookfield	<u>Improving Water Efficiency Through Capacitive Deionization</u> – Brett Alexander, EVAPCO	<u>Control Strategies for Operating Rooms and Critical Spaces</u> – Adam Vesterholt & John Bartlik, NYU Langone Health
9:30 am – 10:00 am	<u>Sustainable Infrastructure at Oberlin College</u> – Meghan Riesterer, Oberlin College; Michael Ahern, Ever-Green Energy	<u>Cost Savings and Decarbonization with CHP</u> – Paul Moser, Penn State University; Bernie Pfeifer, Solar Turbines; Zach Verbick, KFI Engineers	<u>Embrace the Architect - How TES Tanks Become Campus Landmarks</u> – Guy Frankenfield, DN Tanks	<u>Advancements In Boiler Water Internal Treatment Technology</u> – Terry Morrison & Gregoire Poirier Richer, Suez Water Technologies & Solutions	<u>Resilient Redundant Control Systems Bridging Multiple Plants</u> – Bryan Birosak, University of Colorado Boulder; Terry Flock, Affiliated Engineers
9:00 am – 3:00 pm	Spouse/Guest Tour – Denver Foothills Explorer Tour				

10:00 am – 10:45 am	Refreshment Break with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by Siemens & IC Thomasson</i>				
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	5A: System Expansion, Modernization & Renewal <i>Plaza Ballroom F</i> Moderator: Barry Beck, I. C. Thomasson Associates	5B: Combined Heat & Power <i>Plaza Ballroom E</i> Moderator: Jeff Easton, Burns & McDonnell	5C: Electrical Distribution & Microgrid Resiliency <i>Plaza Ballroom D</i> Moderator: Paul Van Gelder, CHA Consulting	5D: Smart Control Strategies for Optimization <i>Governors Square 15</i> Moderator: Jason Wittkamp, Thermo Systems	5E: Thermal Distribution System Upgrades <i>Governors Square 12</i> Moderator: John Williamson, RMF Engineering
10:45 am – 11:15 am	<u>Ten Year Growth and Modernization of a 70-year Old Toronto Community DE System</u> – Boyd Dyer & Xhavit Zaganjori, Toronto Community Housing; Jerry Huang, OPUC Energy Service	<u>Cogeneration as a Path to a Clean Energy Future: Adelphi University</u> – Timothy Burton, Adelphi University (<i>Retired</i>); Marc Couture, Ecosystem Energy Services	<u>Electrical Master Planning, Substation, Distribution and Building Service Entrance Upgrades – Cornell University</u> – Nikolai Terpak, CHA Consulting	<u>Universities Reduce Cost and Carbon Footprint of their Stack Monitoring Systems</u> – Jim Toolen, Trace Environmental Systems	<u>Thermal Infrastructure Planning, Rehabilitation and Expansion at University of South Alabama</u> – Travis Alexander, Burns & McDonnell
11:15 am – 11:45 am	<u>Lessons in System Transformation and Resilience – Milwaukee Regional Medical Center</u> – Mark Geronime, Milwaukee Regional Medical Center; Rory Peters, District Energy St. Paul/Ever-Green Energy	<u>CHP Design Considerations for Cold Climates – Don’t Stick Your Tongue on That Pipe!</u> – Johnathan Coleman, Solar Turbines Canada; Matt Lensink, CEM Engineering	<u>Design & Construction of a New Substation for UT Southwestern</u> – Bradley Shuffield, Burns & McDonnell; Thomas Negusse, University of Texas at Southwestern	<u>Leveraging Advanced AI for Next-Gen Campus Energy Management</u> – Dulce Borjas, ENGIE	<u>Campus Wide Utility Replacement at UMass Boston</u> – Steve Liechti & Bob Mischler, BOND; Jim Velleman, BVH Integrated Services
11:45 am – 12:15 pm	<u>Modernization of Brock University District Energy Plant – Preparing for the Future</u> – Mary Quintana & Scott Johnstone & Drew Cullen, Brock University	<u>MSU College View – Rethinking Microgrids</u> – Philip Gonski, Burns Engineering; Benjamin Parvey, Blue Sky Power	<u>Microgrid Resiliency Initiatives at Yale University</u> – Samuel Olmstead, Yale University	<u>Multi-Plant Predictive Optimization at UW, Madison</u> – Jeffrey Pollei, University of Wisconsin; Joseph Witchger & Brendan Huss, HGA	<u>Energy Storage for Land-Challenged Campuses</u> – Mark Johnson, Trane; Henry Johnstone, GLHN Architects & Engineers
12:15 pm – 1:45 pm	Campus Energy Recognition and Networking Luncheon – Plaza Ballroom A-C <i>Sponsored by BOND, Ever-Green Energy & Thermo Systems</i>				
1:45 pm – 2:30 pm	Dessert & Coffee with Business Partner Exhibitors – Plaza Exhibit Hall <i>Sponsored by Enwave & Cooney Eng. Solutions</i>				

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2:30 pm – 6:00 pm	Exhibit Hall Tear Down – Plaza Exhibit Hall				
2:30 pm – 6:00 pm	Poster Tear Down – Plaza Exhibit Hall				
	6A: Carbon Neutrality, LEED & District Energy <i>Plaza Ballroom F</i> Moderator: Michael Ahern, Ever-Green Energy	6B: Resiliency & Grid Integration <i>Plaza Ballroom E</i> Moderator: Sandeep Jain, Advisian	6C: Absorption Cooling Solutions <i>Plaza Ballroom D</i> Moderator: Bryan Bagley, Affiliated Engineers	6D: Steam to Hot Water Conversion <i>Governors Square 15</i> Moderator: Mark Spurr, FVB Energy	6E: Integration of Renewables & Heat Recovery Systems <i>Governors Square 12</i> Moderator: Jens Ole Hansen, Ramboll
2:30 pm – 3:00 pm	<u>Roadmap to Carbon Neutrality – Implementing Change in Higher Education</u> – Nina Axelson, Ever-Green Energy	<u>Integrating Renewables with a CHP Campus</u> – Heather Thomas, CHA Consulting	<u>Endless Possibilities with an Overlooked Cooling Technology</u> – Oscar Peraza, Johnson Controls	<u>How Low Can You Go? Costs and Technical Considerations of Lower-Temperature Hot Water Building Conversion</u> – James Bohn, FVB Energy	<u>High Tech Chiller for High Tech Facility</u> – Christine Detz, Johnson Controls
3:00 pm – 3:30 pm	<u>Energy Recovery and Utilization for a Mixed-Use Space</u> – Andrew Kozak & Anthony Thompson, BR+A	<u>A Model for Clean, Reliable, and Repeatable Microgrid at the Nation’s Greenest Port</u> – Gregg Morasca, Schneider Electric	<u>Trigeneration at University of Minnesota: Installation of a Modern Absorption Chiller and Dispatching Strategies</u> – Jared Satrom, University of Minnesota – Energy Management; Matt Wolf, NV5	<u>Evaluation of Campus Steam to Hot Water Conversion</u> – Ron Pristash, The Pennsylvania State University; Aaron Wickersham, Affiliated Engineers	<u>Flexible Grid Integration with District Energy – What Are the Barriers?</u> – Daniel Sneum, DTU Management
3:30 pm – 4:00 pm	<u>Campus Resiliency, Efficiency and a Reduced Carbon Footprint – Union College</u> – Marc Donovan, Union College; Mitch DeWein, CHA Consulting	Open Discussion	<u>Absorption Heat Pump for Cooling, Heating</u> – Amit Vatsa, BROAD USA	<u>Field Erected Large Industrial Hot Water Generator Installation at the University of Virginia</u> – Paul Zmick, University of Virginia; Chris Farr, Jacobs; Brett Landrum, Victory Energy; Steve Seckler, Greenland Enterprises	<u>Managing Operations While Transitioning to Carbon Neutrality</u> – Josh LaPenna & Garret Quist, Cornell University
4:00 pm – 4:15 pm	Refreshment Break – Foyer				

	7A: Leveraging Buildings to Improve System Efficiency <i>Plaza Ballroom F</i> <i>Moderator: Tim Peer, BOND</i>	7B: Maximizing Operations & Minimizing Emissions <i>Plaza Ballroom E</i> <i>Moderator: Juan Ontiveros, University of Texas at Austin</i>	7C: Tools for Infrastructure Operations <i>Plaza Ballroom D</i> <i>Moderator: Henry Johnstone, GLHN Architects & Engineers</i>	7D: Redesigning for Efficiency <i>Governors Square 15</i> <i>Moderator: Haven Cassidy, Denver International Airport</i>
4:15 pm – 4:45 pm	<u>Bridging the Silos Between Building and Plant through Comprehensive Energy Management at UNL</u> – Aaron Evans, University of Nebraska	<u>Second Generation Heat Recovery</u> – Paul Zmick, University of Virginia; Joseph Witchger & Brendan Huss, HGA	<u>Rebuilding University of Florida’s Underground Infrastructure</u> – Jennifer Meisenhelder, University of Florida; Vince Basilio, RMF Engineering	<u>Nano-Engineered Materials Drive Energy Savings for Campus Sustainability & Asset Reliability</u> – Noah Snyder, Interphase Materials
4:45 pm – 5:15 pm	<u>Steele Hall – Energy Retrofit Project</u> – Scott Hening, Dartmouth College – FO&M; Philippe Gauthier, eequinox	<u>Zero Emission CHP System</u> – Robert Benz, Benz Air Engineering	Open Discussion: Tools for District Energy	<u>Redesign of Virginia Military Institute Central Heat Plant</u> – Tyler Morris, Wiley Wilson
5:30 pm – 6:30 pm	Campus Forum Meeting – <i>Plaza Ballroom E</i> A forum for open dialogue among college/university campus energy personnel only. (Limited to campus system owners only.)		Business Partner Forum Meeting – <i>Governors Square 16</i> A forum for manufacturers/suppliers, service providers, operators, developers and those not directly employed with a campus energy system.	

Friday, February 14

7:30 am – 9:00 am	Breakfast and Technical Tour Presentations – <i>Plaza Ballroom E</i>
9:00 am – 1:00 pm	Technical Tours – <i>Advanced registration required.</i> Technical Tour A – Colorado School of Mines & MillerCoors Brewery Technical Tour B – National Renewable Energy Laboratory (NREL) Technical Tour C – Denver International Airport

Posters

	Posters – <i>Plaza Exhibit Hall</i> Posters and presenters are also available on the CampusEnergy2020 Mobile App. Attendees are encouraged to connect with poster presenters via mobile app to book meetings.
Poster #1	St. Joseph’s Hospital Selects Cogeneration Solution to Improve Reliability and Reduce Greenhouse Gases – <i>Nikolai Terpak, CHA Consulting</i>
Poster #2	Environmental, Economic and Resilience Benefits of Combined Heat & Power Plants (CHP) and Their Integration with an Institution’s Microgrid – <i>Mike McElligott, EPS AB Energy Ltd.</i>
Poster #3	The Road to Absolute Zero – <i>Jon Passmore, GI Energy</i>
Poster #4	IDEA & MRC Information - <i>IDEA</i>
Poster #5	Harvesting Waste Heat to Power District Energy Systems – <i>Derek Fehrer, WSP USA</i>
Poster #6	Leveraging Geothermal Energy to Reduce GHG Emissions and Connect with Students – <i>Fred James, Siemens Smart Infrastructure</i>
Poster #7	Flow Measurement Technologies – <i>Scott Peterson, Emerson</i>
Poster #8	Solar District Cup – <i>Joseph Simon, National Renewable Energy Laboratory</i>