

# CampusEnergy2026

## Advancing Thermal Networks

FEB. 17 – 20, 2026 | WASHINGTON, DC

Preliminary Program as of 11.20.25  
TIMES AND CONTENT SUBJECT TO CHANGE

### Monday, February 16

|                    |                                                                                         |
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| 10:30 am – 1:00 pm | <b>CLOSED MEETING – IDEA Executive Committee Meeting &amp; Luncheon – Chesapeake 3</b>  |
| 12:00 pm – 5:00 pm | <b>CLOSED MEETING – IDEA Board of Directors Luncheon &amp; Meeting – Chesapeake 1-2</b> |
| 3:00 pm – 6:00 pm  | <b>Registration Open – Potomac A/C Lobby</b>                                            |
| 6:00 pm – 8:00 pm  | <b>IDEA Board of Directors Dinner (by invitation)</b>                                   |

### Tuesday, February 17

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| 7:00 am – 7:00 pm  | <b>Registration Open – Potomac Registration Desk</b>                                                                                                                                                  |
| 7:00 am – 8:00 am  | <b>Workshop Breakfast</b> – For registered Workshop participants – <i>Cherry Blossom Ballroom/Lobby</i>                                                                                               |
| 7:00 am – 7:45 am  | <b>Workshop Speaker and Moderator Orientation Meeting – Chesapeake 1-3</b><br><i>Breakfast will be served for speakers and moderators. Must attend if you are speaking or moderating on this day.</i> |
| 8:00 am – 4:00 pm  | <b>#1 Workshop: Thermal Distribution &amp; Operations</b> – Separate registration fee required, see separate program for detailed content – <i>Potomac C</i>                                          |
| 8:00 am – 4:00 pm  | <b>#2 Workshop: District Energy &amp; Data Centers</b> – Separate registration fee required, see separate program for detailed content – <i>Potomac D</i>                                             |
| 8:00 am – 4:00 pm  | <b>#3 Workshop: Thermal Energy Networks</b> – Separate registration fee required, see separate program for detailed content – <i>Potomac 4-6</i>                                                      |
| 12:00 pm – 4:00 pm | <b>Exhibitor Table Set Up – Prince George's Exhibit Hall B</b><br><b>Poster Presentation Set Up – Prince George's Exhibit Hall B</b>                                                                  |
| 12:00 pm – 1:00 pm | <b>Workshop Luncheon</b> – For Workshop attendees only – <i>Cherry Blossom Ballroom/Lobby</i>                                                                                                         |
| 1:00 pm – 3:30 pm  | <b>District Energy 101 Symposium with the IDEA Young Professionals Group – Potomac 1-3</b>                                                                                                            |
| 3:30 pm – 4:30 pm  | <b>Student &amp; Displaced Federal Worker Networking – Chesapeake 7-9</b>                                                                                                                             |
| 4:00 pm – 5:00 pm  | <b>Campus Forum Meeting – Room TBD</b><br>A forum for open dialogue among college/university campus energy personnel only. (Limited to campus system owners only.)                                    |
| 5:00 pm – 6:30 pm  | <b>Opening Reception with Business Partner Exhibitors – Prince George's Exhibit Hall B</b>                                                                                                            |

| Wednesday, February 18 |                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
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| 7:00 am – 6:45 pm      | <b>Registration Open – Potomac Registration Desk</b>                                                                                                                                                                                                                                                                                                            |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 7:00 am – 7:50 am      | <b>Continental Breakfast with Business Partner Exhibitors – Prince George’s Exhibit Hall B</b>                                                                                                                                                                                                                                                                  |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 7:00 am – 7:45 am      | <b>Speaker and Moderator Orientation Meeting – Chesapeake 1-3</b><br><i>Breakfast will be served for speakers and moderators. Must attend if you are speaking or moderating on this day.</i>                                                                                                                                                                    |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 8:00 am – 8:25 am      | <b>Conference Opening – Potomac AB</b><br>Introductions – <i>Rob Thornton, IDEA President &amp; CEO</i><br>Welcome to IDEA – <i>David Woodson, IDEA Chair</i><br>Welcome to Washington, DC or the DC metro area –                                                                                                                                               |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 8:30 am – 9:55 am      | <b>Opening Plenary Panel Discussion: <i>District Energy: Accelerating the Energy Transition</i> – Potomac AB</b><br><i>A conversation with campus utility &amp; sustainability leaders on drivers, trends, technologies and techniques shaping future campus energy systems.</i><br><br><i>Panelists include: TBD</i><br><i>Moderated by Rob Thornton, IDEA</i> |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 10:00 am – 10:40 am    | <b>Refreshment Break with Business Partner Exhibitors – Prince George’s Exhibit Hall B</b><br><b>Poster Presentations – Prince George’s Exhibit Hall B</b>                                                                                                                                                                                                      |                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                             |                                                                                                                                                                  |                                                                                                                 |
| 10:45 am – 12:10 pm    | <b>1A: Campus Geo at Scale</b><br><i>Potomac 1-3</i><br><i>Moderator: TBD</i>                                                                                                                                                                                                                                                                                   | <b>1B: Business Models &amp; Financing</b><br><i>Potomac 4-6</i><br><i>Moderator: TBD</i>                                                                    | <b>1C: Data Centers as Heat Sources</b><br><i>Potomac C</i><br><i>Moderator: TBD</i>                                                                                                            | <b>1D: Runways to Resilience: Decarbonizing Airport Energy Systems</b><br><i>Potomac D</i><br><i>Moderator: TBD</i>                                                                         | <b>1E: Nuclear Innovation for Campus and District Decarbonization</b><br><i>Cherry Blossom</i><br><i>Moderator: TBD</i>                                          | <b>1F: Heat Pumps in Practice</b><br><i>Chesapeake 4-6</i><br><i>Moderator: TBD</i>                             |
| 10:45 am – 11:10 am    | <b>Geothermal at Scale: Yale University's Path to Net Zero through Design Innovation and Campus Integration</b> - <i>Sam Olmstead, Yale University; Dave Hermantin, Brightcore Energy</i>                                                                                                                                                                       | <b>Sparkling Innovation to Deliver Transformative Value for an Aging Campus</b> - <i>Mary Quintana, Scott Johnstone, &amp; Drew Cullen, Brock University</i> | <b>Absorbing Future for District and Data Center Cooling with Absorption Chillers</b> - <i>Dmitrij Gorlovsky, Johnson Controls Systems &amp; Service GmbH; Rajesh P Dixit, Johnson Controls</i> | <b>Airport Microgrids Enhancing Energy Resilience and Meeting Clean Energy Goals: A Case Study at BWI Airport</b> - <i>Sean Casey, AECOM; Katie Peige, Maryland Aviation Administration</i> | <b>Next Generation Nuclear Siting Assessment for Urban and Rural University Research</b> - <i>Bryce Johnson, IMEG; Dan Buman, Nebraska Public Power District</i> | <b>Maximizing Energy Efficiency with Heat Pumps and District Energy</b> - <i>Kevin Hagerty, Vicinity Energy</i> |

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| 11:15 am – 11:40 am | <b>Estimating Geothermal Borefield Capacity Using Operating Data from Boston University's Duan Family Center for Computing &amp; Data Sciences</b> - <i>John Kastrinos, Haley &amp; Aldrich, Inc.; Dennis Carlberg, Boston University; Joshua Michaud, BR+A Consulting Engineers</i> | <b>Employee Perspective and Actual Experience of Transitioning from the University to 3rd Party</b> - <i>Tatjana Zunjic &amp; Nathan Prior, CenTrio</i> | <b>Data Center Greenfields - Supporting Heat Districts in New Development</b> - <i>Jamison Caldwell, SmithGroup; Joe Imparato, Critical Development Group</i>                                                | <b>New Terminals, New Decarbonization Focus at Dulles Airport</b> - <i>Quindi Guiseppe &amp; Taylor Hollings, Syska Hennessy Group</i>   | <b>Small Modular Reactors and Their Role in Clean, Reliable Energy</b> - <i>Scott Koehler, Olsson; Justin Sink, Natura Resources LLC; Luke Rice, Last Energy</i> | <b>Observations In Operating a Geoexchange Facility</b> - <i>David Weis, Princeton University</i>                                   |
| 11:45 am – 12:10 pm | <b>Seasonal Thermal Banking: Leveraging BTES to Store and Reuse Campus Waste Heat</b> - <i>Saranya Anbarasu, Nicholas Fry, &amp; Jason Willeford, Jacobs</i>                                                                                                                         | <b>Utilizing Commodity Risk Management Techniques To Optimize Campus Energy Procurement</b> - <i>Bryant Lee, Siemens</i>                                | <b>Turning Heat into Hope: How the University at Buffalo is Decarbonizing its Campus with AI Waste Energy</b> - <i>Jason Denué, Wendel Companies; Tonga Pham &amp; Ryan McPherson, University at Buffalo</i> | <b>Path to Net Zero: Decarbonizing SEA Airport's Central Mechanical Plant</b> - <i>Kenton Phillips, AECOM; Joe Cook, Port of Seattle</i> | <b>Integrating SMR's With Thermal Energy Storage (TES) For Campus Decarbonization</b> - <i>Jim Koontz, Rock Energy Storage; Rami Saeed, Idaho National Labs</i>  | <b>Phase 1 — Electrifying Campus Hot Water System with Large Heat Pump Chillers</b> - <i>Morgan Hartman &amp; Dan Gentry, Trane</i> |
| 12:15 pm – 1:45 pm  | <b>Campus Energy Recognition and Networking Luncheon</b> – <i>Potomac AB</i>                                                                                                                                                                                                         |                                                                                                                                                         |                                                                                                                                                                                                              |                                                                                                                                          |                                                                                                                                                                  |                                                                                                                                     |
| 1:45 pm – 2:25 pm   | <b>Dessert &amp; Coffee with Business Partner Exhibitors</b> – <i>Prince George's Exhibit Hall B</i><br><b>Poster Presentations</b> – <i>Prince George's Exhibit Hall B</i>                                                                                                          |                                                                                                                                                         |                                                                                                                                                                                                              |                                                                                                                                          |                                                                                                                                                                  |                                                                                                                                     |

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| 2:30 pm – 3:25 pm | <b>2A: Enabling the Field: Deep Geo &amp; Trenchless Delivery</b><br><i>Potomac 1-3</i><br><i>Moderator: TBD</i>                                                                                                                      | <b>2B: Ops Driven Decarbonization</b><br><i>Potomac 4-6</i><br><i>Moderator: TBD</i>                                                                                                                           | <b>2C: Resilience by Renewal: Backup Fuel &amp; Distribution Upgrades</b><br><i>Potomac C</i><br><i>Moderator: TBD</i>                                                                                                                                        | <b>2D: Funding Campus Energy Transformation: The Role of Public-Private Partnerships</b><br><i>Potomac D</i><br><i>Moderator: TBD</i>                                                                                                                      | <b>2E: Cyber-Resilient Controls for Critical Energy Infrastructure</b><br><i>Cherry Blossom</i><br><i>Moderator: TBD</i>                                  | <b>2F: Standards, Risk, and Resilience in Next-Generation Campus Energy Systems</b><br><i>Chesapeake 4-6</i><br><i>Moderator: TBD</i> |
| 2:30 pm – 2:55 pm | <b>Exploring Campus Decarbonization Utilizing Geo-Exchange and Deep Geothermal Solutions</b> - <i>Brian Lindoerfer &amp; Mike Turman, University of Colorado Boulder; Neil Ethier, Eavor Technologies; Jeff Elsner, the RMH Group</i> | <b>How To Use The “Minnesota Goodbye” As an Advantage: Real-World Application- Decarbonizing Through Daily Operations and Normal Processes</b> - <i>Maram Falk &amp; Scott McCord, University of Minnesota</i> | <b>Backing Up District Energy Systems: Fuel Oil Tank Replacements in Washington DC and Beyond</b> - <i>Steven Buckler, RMF Engineering, Inc.; Stephanie Parent, Architect of the Capitol</i>                                                                  | <b>Enhancing University Sustainability Through Public-Private Partnership Strategies in District Energy Systems</b> - <i>Steve Park, Ballard Spahr; Stephen Auton-Smith, Ernst &amp; Young; Steven Hill, Newhydrogen; Kevin Fox, Burns &amp; McDonnell</i> | <b>Managing Cybersecurity Vulnerabilities in Operational Technology Networks for District Energy Systems</b> - <i>Dana Kline, Cordia</i>                  | <b>Climate Risk Science &amp; District Energy</b> - <i>Meghan Riesterer &amp; Darrel Tremaine, CenTrio</i>                            |
| 3:00 pm – 3:25 pm | <b>Horizontal Direction Drilling for Remote Geofield Location</b> - <i>Tim Peer &amp; Colin Harris, BOND; Jim Velleman, Salas O'Brien; Eric Beattie, Smith College</i>                                                                | <b>Impactful Campus Decarbonization with District Steam</b> - <i>Chad Helland, &amp; Brendan Huss, HGA</i>                                                                                                     | <b>Energy, Cost and Maintenance Consideration of Distribution System Alternatives for Highly Reliability Steam Providers</b> - <i>Laura Duncan, Gilsulate International, Inc.; Mark Geronime, Milwaukee Regional Medical Center; Patrick Walsh, Eaglehawk</i> | <b>Banking on Tomorrow: Funding the Future of Central Plants</b> - <i>Russell Garcia, Johnson Controls</i>                                                                                                                                                 | <b>From Foundation to Modernization: A Control System Journey at FDA’s Central Utility Plant</b> – <i>Austin Lazo &amp; Kevin Battick, Thermo Systems</i> | <b>ASHRAE Standards Update: Advancing Decarbonization in Campus Energy Systems</b> - <i>Blake Ellis, Burns &amp; McDonnell</i>        |
| 3:30 pm – 3:55 pm | <b>Refreshment Break with Business Partner Exhibitors</b> – <i>Prince George’s Exhibit Hall B</i><br><b>Poster Presentations</b> – <i>Prince George’s Exhibit Hall B</i>                                                              |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                            |                                                                                                                                                           |                                                                                                                                       |
|                   | <b>3A: Award Session</b> – <i>Potomac AB</i>                                                                                                                                                                                          |                                                                                                                                                                                                                |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                            |                                                                                                                                                           |                                                                                                                                       |

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| 4:00 pm – 5:30 pm | <b>Global District Energy Climate Awards</b>                                                                                                                              |
| 5:30 pm – 6:45 pm | <b>Cocktail Reception with Business Partner Exhibitors</b> – <i>Prince George's Exhibit Hall B</i><br><b>Poster Presentations</b> – <i>Prince George's Exhibit Hall B</i> |

| Thursday, February 19 |                                                                                                                                                                                                                                             |                                                                                                                                                                                      |                                                                                                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                         |
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| 7:00 am – 5:30 pm     | <b>Registration Open</b> – <i>Potomac Registration Desk</i>                                                                                                                                                                                 |                                                                                                                                                                                      |                                                                                                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                         |
| 7:00 am – 7:50 am     | <b>Continental Breakfast with Business Partner Exhibitors</b> – <i>Prince George's Exhibit Hall B</i><br><b>Poster Presentations</b> – <i>Prince George's Exhibit Hall B</i>                                                                |                                                                                                                                                                                      |                                                                                                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                         |
| 7:00 am – 7:45 am     | <b>Speaker Orientation Meeting</b> – <i>Chesapeake 1-3</i><br><i>Breakfast will be served for speakers and moderators. Must attend if you are speaking or moderating on this day.</i>                                                       |                                                                                                                                                                                      |                                                                                                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                         |
| 8:00 am – 9:55 am     | <b>4A: Building the Modern Thermal Energy Network</b><br><i>Potomac 1-3</i><br><i>Moderator: TBD</i>                                                                                                                                        | <b>4B: Digging Deep for Decarbonization</b><br><i>Potomac 4-6</i><br><i>Moderator: TBD</i>                                                                                           | <b>4C: Future-Focused Decarbonization Strategies</b><br><i>Potomac C</i><br><i>Moderator: TBD</i>                                                                                                                                   | <b>4D: District Cooling &amp; Thermal Energy Storage</b><br><i>Potomac D</i><br><i>Moderator: TBD</i>                                                     | <b>4E: Master Planning in Motion: Implementing Institutional Decarbonization at Scale</b><br><i>Cherry Blossom</i><br><i>Moderator: TBD</i>                                           | <b>4F: From Legacy to Leading Edge: Modernizing Campus Systems</b><br><i>Chesapeake 4-6</i><br><i>Moderator: TBD</i>                                                    |
| 8:00 am – 8:25 am     | <b>Thermal And Electric Grid Impacts of Three Heating and Cooling Designs for an Existing Community in Washington, DC</b> - <i>Juliet Simpson, Nicholas Long &amp; Whitney Trainor-Guitton, National Renewable Energy Laboratory (NREL)</i> | <b>Thermal Plant, Distribution, And Geoexchange Design, Construction, And Commissioning Highlights</b> - <i>Paul Zmick, UVA Energy &amp; Utilities; George Howe, AEI Engineering</i> | <b>Innovation in The Energy Landscape: Pilot Spotlight Projects for Hydrogen and Distributed Energy Resource Management Systems (DERMS) Transforming Utility Operations</b> – <i>Steven Parente &amp; Shawn Borden, Caterpillar</i> | <b>Cooling Capacity Delivered: Real-World Results from St. Olaf College</b> - <i>Sean McFarling, Ever-Green Energy; Mike Berthelsen, St. Olaf College</i> | <b>From Vision to Viability: Decarbonizing Stonybrook University, one of New York State's Largest Campuses</b> - <i>Tom Lanzilotta, Stony Brook University; Robert Myrick, Wendel</i> | <b>Modernizing a Legacy: System-Wide Condenser Water Renewal at Austin Energy's DCP1</b> - <i>Gayle Davis, Stanley Consultants, Inc.; Michele Bryant, Austin Energy</i> |

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| 8:30 am – 8:55 am | <b>Evaluation of Thermal Energy Networks for Energy Savings and Resilience in Existing Defense Installations</b> - Amy Allen, Jing Wang & Matt Mitchell, National Renewable Energy Laboratory (NREL) | <b>Greenfield District Energy: A Multi-Asset Approach</b> - Carolyn Arida, Harrison Street; Rick Humphries, Salas O'Brien; Dave Karlsgodt, Brailsford & Dunlavey                        | <b>Net Zero Energy Building benefits for District Energy Systems</b> - David Traxler, Burns & McDonnell                                                                                                      | <b>One Campus — Four Flavors of Thermal Energy Storage (TES)</b> - Ted Borer, Borer Energy Engineering, LLC; John Andrepont, The Cool Solutions Company; Bryan Holmes, CB&I                                                                                        | <b>Halfway to Zero: Amherst College's Campus Decarbonization in Progress</b> - Tom Davies, Amherst College; Lindsey Olsen, Salas O'Brien; Kevin Burns, DOC                                       | <b>Reimagining Legacy Cooling Assets: University of Nebraska's City Campus Utility Plant Steam Turbine Chiller</b> - James Nonnenmann & Michaela Esveld, PRVN Consultants; Charlie Griesen & Victor Teixeira, University of Nebraska |
| 9:00 am – 9:25 am | <b>Four-Pipes to Two: Weber State University's Nation Leading Thermal Energy Network Retrofit</b> - Jaiden Marriott, The GreyEdge Group                                                              | <b>Using Existing Assets to Electrify Campus Heating</b> - Jeff Zumwalt, University of New Mexico; Eric Conklin, Bridgers and Paxton Consulting Engineers; Jeff Thornton, Salas O'Brien | <b>Nuclear, Carbon Capture, Heat Pumps... Oh My!</b> - Emily Kunkel, Thornton Tomasetti                                                                                                                      | <b>From Concrete to Cooling: Real-World Lessons from Commissioning a 1.3M-Gallon Thermal Energy Storage Tank at UNH</b> - Kailash Viswanathan, Consigli Construction Co., Inc.; Matthew L'Heureux, University of New Hampshire; Zach Harmony, Affiliated Engineers | <b>Eastern Michigan University's Energy Path Forward - Resilient and Sustainable Renewal Considerations for Ageing Thermal Energy Networks</b> - Thomas Olmsted, Ramboll; Nathan Prior, CenTrio; | <b>LSU Modernization Project</b> - Richard McCall & Adam Weyer, CenTrio                                                                                                                                                              |
| 9:30 am – 9:55 am | <b>From Pioneering to Practice: TENs Best Practices from One of The Most Efficient Campuses, Colorado Mesa University</b> - Megan Lim & Cary Smith, The GreyEdge Group                               | <b>To Be Announced</b>                                                                                                                                                                  | <b>Future-Proofing Mission Critical: Lessons from Campus Energy Systems for Mission Critical Systems</b> - Alan Neely, Owens Corning - Foamglas Insulation; Juan Ontiveros, Ontiveros Energy Consulting, LLC | <b>A Quarter Century of Thermal Energy Storage (TES) at the University of Virginia</b> - Justin Kline, CB&I; Paul Zmick, UVA Energy & Utilities; John Andrepont, The Cool Solutions Company                                                                        | <b>Synergy: Actioning our Climate Positive commitment while addressing Deferred Maintenance</b> – Kevin Leong & Flavio Bertolo, University of Toronto                                            | <b>Power Forward: Designing and Delivering North Carolina State University's New Self-Healing Grid</b> - Chris Skillestad, RMF Engineering; Tate Boulware, North Carolina State University                                           |

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| 10:00 am – 10:40 am | <b>Refreshment Break with Business Partner Exhibitors – Prince George’s Exhibit Hall B</b><br><b>Poster Presentations – Prince George’s Exhibit Hall B</b>                                                  |                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                |                                                                                                                                                      |                                                                                                                                                                        |                                                                                                                                                                          |
| 10:45 am – 12:10 pm | <b>5A: Utility Thermal Networks in New York: Policy, Pilots &amp; Urban Implementation</b><br><i>Potomac 1-3</i><br><i>Moderator: TBD</i>                                                                   | <b>5B: Next-Gen Microgrids: Designing for AI Loads, Extreme Weather &amp; Grid Stress</b><br><i>Potomac 4-6</i><br><i>Moderator: TBD</i>                                                                                                     | <b>5C: Beyond Technology: Engaging Operators and Occupants for Better Energy Systems</b><br><i>Potomac C</i><br><i>Moderator: TBD</i>                                                                                                                          | <b>5D: Waste to Watts: Recovering Thermal Energy for Campus and Community Systems</b><br><i>Potomac D</i><br><i>Moderator: TBD</i>                   | <b>5E: Decarbonization in Washington State</b><br><i>Cherry Blossom</i><br><i>Moderator: TBD</i>                                                                       | <b>5F: Digital Twins in Action: Real-Time Optimization</b><br><i>Chesapeake 4-6</i><br><i>Moderator: TBD</i>                                                             |
| 10:45 am – 11:10 am | <b>Update to the Implementation of New York’s Utility Thermal Energy Network and Jobs Act (UTENJA) -</b><br><i>Laurie Kokkinides, NYS Department of Public Service;</i><br><i>Michael Kingsley, Ramboll</i> | <b>Deploying Scalable Microgrids for Critical and AI-Driven Loads -</b><br><i>Joan Kowal, Jacobs</i>                                                                                                                                         | <b>It’s All in the Wrist: Enhancing Plant Performance Through Operator Engagement -</b><br><i>Jim Faulconbridge, KFI Engineers;</i><br><i>Curt Wade, University of Notre Dame;</i><br><i>Alex Sullivan, KFI Engineers</i>                                      | <b>Sewer Heat Recovery for Science: Engineering a Low-Carbon Campus -</b><br><i>Todd Lee, McKinstry</i>                                              | <b>Out with the Steam - In with the Dream: Updates from the Pacific Northwest and the University of Washington -</b><br><i>David Woodson, University of Washington</i> | <b>Dynamic Component System Modeling: Performance Verification and Digital Twinning -</b><br><i>Jeff Thornton, &amp; Rob McKenna, Salas O'Brien</i>                      |
| 11:15 am – 11:40 am | <b>Leveraging Community Resources to Enable Utility Thermal Energy Networks in New York State -</b><br><i>Mitch DeWein, CHA Consulting, Inc.;</i><br><i>Melissa Mauro, National Grid</i>                    | <b>Powering Through the Heat: Gallaudet University's Microgrid as a Model for Campus Resilience -</b><br><i>David Good, Gallaudet University;</i><br><i>Spencer Bernstein, Scale Microgrids;</i><br><i>Shalom Flank, Microgrid Architect</i> | <b>Organizational and Occupant Impact on District Energy Systems and Energy Conservation Programs on a University Campus: Research on Non-Technical Variables that affect Decision-Making and Effectiveness -</b><br><i>Allen Boyette, NC State University</i> | <b>A Dirty Job but Someone’s Gotta Do It: Harnessing Wastewater Heat Recovery at Markham District Energy -</b><br><i>Sandra Yee, FVB Energy Inc.</i> | <b>Western Washington University's Path to Campus Decarbonization -</b><br><i>Joshua Cloud, OAC Services;</i><br><i>Julian Rodgers, Western Washington University</i>  | <b>From Data to Autopilot: Real-Time Optimization of a Complex Campus Cooling Network Using a Live Digital Twin -</b><br><i>Yvo Velthoen &amp; Ard de Reus, Gradyent</i> |

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| 11:45 am – 12:10 pm | <b>Developing a Utility-Owned Thermal Energy Network in NYC: Evolving Lessons Learned</b> - <i>Charlie Marino, WSP US; Adam Shelly, Ecosystem Energy; Brittini Provencher, Con Edison</i> | <b>Powering Resilience at the University of Florida</b> - <i>Marc Craddock &amp; Dean Gakos, Siemens; Chuck Kammin, University of Florida</i> | <b>Beyond the Utility Master Plan: Organizational Planning for Campus Utility Success</b> – <i>Paul Zmick, University of Virginia; Tony Millette, University of North Carolina</i> | <b>Harnessing Wastewater: Integrating WET into District Energy Systems</b> - <i>Aaron Miller, SHARC Energy</i> | <b>Finding The Balance in WA State - A Hybrid Path to State Mandated District Energy System Heating Fossil Fuel Elimination for Highline College</b> - <i>Ryan Armstrong, MacDonal-Miller</i> | <b>Pumped to Perfection: Optimizing Thermal Energy Distribution with Digital Twins!</b> - <i>Giovanni Alvarez, Stanford University; Thomas Lund-Hansen, Reliability Efficiency &amp; Optimization (REO); Toke Christensen, Aalborg University</i> |
| 12:15 pm – 1:45 pm  | <b>Campus Energy Recognition and Networking Luncheon</b> – <i>Potomac AB</i>                                                                                                              |                                                                                                                                               |                                                                                                                                                                                    |                                                                                                                |                                                                                                                                                                                               |                                                                                                                                                                                                                                                   |
| 1:45 pm – 2:25 pm   | <b>Dessert &amp; Coffee with Business Partner Exhibitors</b> – <i>Prince George's Exhibit Hall B</i><br><b>Poster Presentations</b> – <i>Prince George's Exhibit Hall B</i>               |                                                                                                                                               |                                                                                                                                                                                    |                                                                                                                |                                                                                                                                                                                               |                                                                                                                                                                                                                                                   |
| 2:25 pm – 6:00 pm   | <b>Exhibit Hall Tear Down</b> – <i>Prince George's Exhibit Hall B</i>                                                                                                                     |                                                                                                                                               |                                                                                                                                                                                    |                                                                                                                |                                                                                                                                                                                               |                                                                                                                                                                                                                                                   |

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| 2:30 pm – 3:25 pm | <b>6A: Steam Systems Reimagined: Unlocking Hidden Capacity &amp; Carbon Reduction</b><br><i>Potomac 1-3</i><br>Moderator: TBD                                                    | <b>6B: Phased Strategies for Campus-Scale Decarbonization</b><br><i>Potomac 4-6</i><br>Moderator: TBD                                                                                                                 | <b>6C: Electrifying Complex Campuses</b><br><i>Potomac C</i><br>Moderator: TBD                                                                                                        | <b>6D: Controls &amp; Data Management</b><br><i>Potomac D</i><br>Moderator: TBD                                                                                                                 | <b>6E: Policy Playbook in Washington</b><br><i>Cherry Blossom</i><br>Moderator: TBD                                                                                                                                           | <b>6F: Aligning Low-Carbon Solutions with Campus Infrastructure</b><br><i>Chesapeake 4-6</i><br>Moderator: TBD                               |
| 2:30 pm – 2:55 pm | <b>Advancing Decarbonization with Thermal Energy Networks Leveraging Steam Condensate: NYC Case Studies</b> - Linnea Paton & Connor Stewart, Con Edison                          | <b>Precinct-Based Electrification Strategy for Campus Decarbonization: A Case Study from the University of Rhode Island</b> - Romeo Michael, BR+A Consulting Engineers; Robert Bozikowski, University of Rhode Island | <b>Efficient and Electric: A Roadmap to Decarbonize the University of California, San Francisco</b> - Rob Best, Arup                                                                  | <b>From Thousands of Meters to Carbon Control: Transforming Energy Management at Columbia University</b> - John Webster, Ictec Energy Services; Alex Duleba, & Sean Morris, Columbia University | <b>Statewide District Energy Decarbonization Policy in Washington State</b> - Gregor Henze, University of Colorado Boulder; Annalyn Bergin & Luke Howard, Washington State Department of Commerce                             | <b>Decarbonization with a Steam-turbine Chiller Installation</b> - Marc Sano, Precis Engineering + Architecture; Kat Fink, Temple University |
| 3:00 pm – 3:25 pm | <b>Catching a Second Wind — How RED Rochester Breathed New Life into Vintage Cogeneration Equipment</b> - Jason Tippet, RMF Engineering, Inc.; Jakob Lill, Frank Lill & Son, Inc | <b>Phased Decarbonization for a Dense Urban Campus: A District Energy Master Plan for San José State University</b> - Sonam Shah, Introba                                                                             | <b>Designing for Decarbonization: Integrating CCUS into Future Infrastructure at UT Austin</b> - Christopher Sanchez, Thornton Tomasetti; Ryan Thompson, University of Texas - Austin | <b>Gas/Steam Turbine Generator — Control System Health Assessment / Lifecycle Planning</b> - Matthew Rangen, ENTrust Solutions Group                                                            | <b>Using Policy to Reshape Campus Energy Planning in Washington State</b> - Brian Goldcrump & Erik Budsberg, McKinstry; Kris Jeske, Eastern Washington State University; Luke Howard, Washington State Department of Commerce | <b>Right-Fit CHP: Aligning Strategy with Carbon Goals at Temple</b> - Kat Fink, Temple University; Joe Monahan, Temple University            |
| 3:30 pm – 3:55 pm | <b>Refreshment Break</b> – Cherry Blossom Lobby<br><b>Poster Presentations</b> – Prince George's Exhibit Hall B                                                                  |                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                 |                                                                                                                                                                                                                               |                                                                                                                                              |
| 3:55 pm – 6:00 pm | <b>Poster Tear Down</b> – Prince George's Exhibit Hall B                                                                                                                         |                                                                                                                                                                                                                       |                                                                                                                                                                                       |                                                                                                                                                                                                 |                                                                                                                                                                                                                               |                                                                                                                                              |

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| 4:00 pm – 4:55 pm | <b>7A: Upgrading the Backbone: Hot Water Conversion &amp; Hydronic Optimization for Campus Systems</b><br><i>Potomac 1-3</i><br>Moderator: TBD                                              | <b>7B: Campus Decarbonization Under Pressure: Tools, Challenges &amp; Real-World Lessons</b><br><i>Potomac 4-6</i><br>Moderator: TBD                                                                                          | <b>7C: Campus Energy Optimization: From Diagnostics to Measurable Impact</b><br><i>Potomac C</i><br>Moderator: TBD                                                               | <b>7D: Ambition Meets Infrastructure: The Electrification Crossroads</b><br><i>Potomac D</i><br>Moderator: TBD                                                                                 | <b>7E: New York Models for Scalable Decarbonization</b><br><i>Cherry Blossom</i><br>Moderator: TBD                                                                                                                                                        | <b>7F: Resilience and Reliability in Healthcare Energy Systems</b><br><i>Chesapeake 4-6</i><br>Moderator: TBD                                                                      |
| 4:00 pm – 4:25 pm | <b>District Heating Transition at Duke University: 10 Years Down, 20 to Go -</b><br><i>Eric Steinour, Affiliated Engineers, Inc.; Casey Collins &amp; Chris Richardson, Duke University</i> | <b>Decarbonizing Dartmouth: Leveraging New Tools for Tracking Costs and Schedule</b><br><i>- Cody Plante, Dartmouth College; Mike Seidenberg, Aeon Planning</i>                                                               | <b>Exceeding Expectations: Georgetown Energy Hubs –</b><br><i>Annie Pike, Ecosystem Energy Services; Liz King, Georgetown University; Andy Ludwig, ENGIE</i>                     | <b>Electrification, Is It the Answer to Achieve Campus Sustainability Goals?</b><br><i>- Michael Larson &amp; Rob Roman, University of Illinois; James Nonnenmann, PRVN Consultants</i>        | <b>Curtain Call on Carbon: A Campus Decarb Case Study at Lincoln Center -</b><br><i>Patrick McLaughlin, Lincoln Center for the Performing Arts; Griffin Teed, Jaros, Baum and Bolles, Consulting Engineers, LLP; Danielle Ravielle, The Fulcrum Group</i> | <b>Leveraging Federal Investment Tax Credits to Support Healthcare Services Expansion and Resilience in the Washington DC Area -</b><br><i>Gideon Gradman, Baker Tilly</i>         |
| 4:30 pm – 4:55 pm | <b>Energy Savings Through Smarter Hydronic Balancing in Campus Energy Systems -</b><br><i>Ronak Monga, Grundfos</i>                                                                         | <b>Going Off the Rails on the Crazy Train: A Campus Decarb Journey in a Volatile Environment -</b><br><i>Keith Sampson, Competitive Energy Services, LLC; Charles Dougherty, Smith College; Robert McKenna, Salas O'Brien</i> | <b>District Cooling Low Delta-T Diagnostics &amp; Remediation At New York University In NYC -</b><br><i>William McKenna, The Fulcrum Group; Brian Burke, New York University</i> | <b>Gridlocked: How Electrification Goals Are Colliding with Infrastructure Reality -</b><br><i>Thomas Diliberti, EnergyCAP</i>                                                                 | <b>Support for Decarbonizing Campuses in New York State -</b><br><i>Sue Dougherty, New York State Energy Research and Development Authority</i>                                                                                                           | <b>Portfolio Level Decarbonization: Lessons Learned from Three Healthcare System Approaches -</b><br><i>Elaine Gallagher, John Utech, &amp; Christina Vernon Sanborn, Mazzetti</i> |
| 5:00 pm – 6:00 pm | <b>Campus Forum Meeting – Potomac C</b><br>A forum for open dialogue among college/university campus energy personnel only. (Limited to campus system owners only.)                         |                                                                                                                                                                                                                               |                                                                                                                                                                                  | <b>Business Partner Forum Meeting – Azalea 3</b><br>A forum for manufacturers/suppliers, service providers, operators, developers and those not directly employed with a campus energy system. |                                                                                                                                                                                                                                                           |                                                                                                                                                                                    |

| Friday, February 20 |                                                                                                                                                                       |
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| 7:30 am – 9:00 am   | <b>Breakfast and Technical Tour Presentations – Cherry Blossom Ballroom</b>                                                                                           |
|                     | <b>Technical Tours – Advanced registration required.</b>                                                                                                              |
| 9:10 am – 1:15 pm   | Technical Tour A – Georgetown University & Gallaudet University. <i>The bus will stop at Ronald Reagan Washington National Airport before returning to the hotel.</i> |
| 9:10 am – 12:00 pm  | Technical Tour B – George Washington University. <i>The bus will stop at Ronald Reagan Washington National Airport before returning to the hotel.</i>                 |

| Posters   |                                                                                                                                                                                                                                                                                          |
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| Poster 1  | <b>How a Distributed Thermal Energy Network Can Reduce Upfront Cost &amp; Operating Expenses While Increasing Appeal to Investors. Case Study: Colorado Mesa University &amp; Massachusetts Institute of Technology</b> - Emily Berkemeyer, Massachusetts Institute of Technology        |
| Poster 2  | <b>Lessons from a New Spring '25 MIT Thermal Energy Networks Course - Pros and Cons of a Centralized versus a Distributed Thermal Networks Approach to Campus Decarbonization</b> - Li Xuan Tan, MIT                                                                                     |
| Poster 3  | <b>Mather House - A 450 Occupants Undergraduate Student Dorm as a Potential Anchor Tenant for a Thermal Energy Network at Harvard University</b> - Anoushka Tamhane, MIT                                                                                                                 |
| Poster 4  | <b>Revolutionizing Thermal Energy Networks by Transforming a Water Utility into a Water &amp; Energy Utility. Case Study Cambridge Massachusetts: Repurposing Municipal Piped Water to Thermal Energy Battery</b> - Olivia Chen & Ben Weiss, Massachusetts Institute of Technology (MIT) |
| Poster 5  | <b>Optimizing District Energy System Design: The Role of Temporal Resolution in Simulation Accuracy</b> - Mary Cotter, University of Virginia                                                                                                                                            |
| Poster 6  | <b>Decarbonizing Montefiore Einstein: A Path to Resilience</b> - Daniel Audette, Wendel; Aharon Kestenbaum, Montefiore Health System                                                                                                                                                     |
| Poster 7  | <b>Strategic Decarbonization of NYC Steam Systems: Integrated Modeling for Long-Term Investment and Operational Flexibility</b> - Luca Ferrari, Optit Srl                                                                                                                                |
| Poster 8  | <b>Reconciliation Bill Impacts to Clean Energy Tax Credits</b> - Gelane Diamond, Duncan, Weinberg, Genzer & Pembroke, P.C.                                                                                                                                                               |
| Poster 9  | <b>Penn State Health Milton S. Hershey Medical Center: Energy Recovery, Resilience, and Sustainability Project</b> - Joanne Barrett, NLine Energy                                                                                                                                        |
| Poster 10 | <b>The Benefits of Energy Data for District Energy Systems – From an Owner’s Perspective</b> - Kevin Kanoff, Penn State Health Milton S Hershey Medical Center                                                                                                                           |
| Poster 11 | <b>CHP Partners with Carbon Capture to Unlock Millions in Low Carbon Ethanol Value</b> - Gregory Martin & Mike Larson, DTE Vantage                                                                                                                                                       |
| Poster 12 | <b>Energy Solutions for the Electrical Vehicle Industry: Technical and Commercial Development of Two Central Utility Plants at Ford's Electric Vehicle / Battery Campuses in Tennessee and Michigan</b> - Mike Larson & Kristen Parkhurst, DTE Vantage                                   |

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| Poster 13 | <b>Optimizing Campus Condenser Loops with AI: Cost-Performance Tradeoffs in Action</b> - <i>Jonathan Cooper, Loop</i>                                                                                                                                                                          |
| Poster 14 | <b>Beyond Utilities: Integrating Real Estate and Energy Development for Campus Renewal</b> - <i>Mason Miller, Centerstream</i>                                                                                                                                                                 |
| Poster 15 | <b>A Deployed, Price-Driven System Automates Campus Chiller Plants Using A Simple, Offline Controller. It Minimizes Demand Charges and Optimizes Load Shifting for Up To 8 Chillers and Any Size Storage</b> - <i>Samuel Moyer, Austin Energy</i>                                              |
| Poster 16 | <b>Leveraging a Plant Process Management solution to realize a step-change in Communication, Collaboration, and Accountability</b> - <i>Jon Hall &amp; Rithwik Gokhale, Novaspect, Inc.</i>                                                                                                    |
| Poster 17 | <b>Operational Optimization of District Heating Networks: A Rolling Horizon Approach</b> - <i>Farzaneh Karami, VITO</i>                                                                                                                                                                        |
| Poster 18 | <b>Optimizing Campus Energy Assets Under Uncertainty: A Probabilistic Approach to Forecasting and Unit Commitment</b> - <i>Dalia Patino-Echeverri, GridSeer, Inc.</i>                                                                                                                          |
| Poster 19 | <b>Small Adjustments, Big Impact: Correcting Chilled Water Over-Use in District Systems</b> - <i>Ben Burgoyne, FVB Energy, Inc</i>                                                                                                                                                             |
| Poster 20 | <b>An All-Electric Hot &amp; Chilled Water Plant with Therma Energy Storage for an Existing Lab Building District at University of California San Francisco</b> - <i>Joseph Wenisch, Point Energy Innovations</i>                                                                              |
| Poster 21 | <b>Central Utility Plant Optimization at the University of Tampa: Solving Challenges &amp; Saving Energy</b> - <i>Kate Anderson &amp; Mark Thompson, Johnson Controls; Anthony Oelsner, University of Tampa</i>                                                                                |
| Poster 22 | <b>Class is in Session: Reflecting on a Year of Campus Decarbonization Professional Development Seminars for Engineers</b> - <i>Wendy Placko, RMF Engineering</i>                                                                                                                              |
| Poster 23 | <b>Combining Campus Scale Thermal Storage and Renewable Energy Microgrids to Navigate a Campus Expansion in an Era of Electrical Utility Constraints, Decarbonization Mandates, and Funding Challenges</b> - <i>Stet Sanborn, SmithGroup; James Brugger, University of California - Merced</i> |
| Poster 24 | <b>Converting Multiple Buildings at SUNY Binghamton for a Low-temperature Hot Water District Energy System</b> - <i>Amy Gossard, RMF Engineering; Sandy Dejohn, SUNY Binghamton University</i>                                                                                                 |
| Poster 25 | <b>Replacing gas fired boilers with 8MW heat pump on Hospital Campus</b> - <i>Simon Keller, GEA Heating and Refrigeration Technologies</i>                                                                                                                                                     |
| Poster 26 | <b>Steam to Low Temperature Hot Water Building Conversion Planning, Design, and Project Delivery in Research Facilities</b> - <i>David Matlack &amp; Nathan McCarraher, Circadia Group; Scott Sepsy, Princeton University</i>                                                                  |
| Poster 27 | <b>Achieving New Heights: WFU's Next Step in Their Chilled Water Modernization Journey</b> - <i>Chase Davis, RMF Engineering, Inc; David Dykes, Optimum Energy; Jimmy Nifong, Wake Forest University</i>                                                                                       |
| Poster 28 | <b>Mobile Chlorine Dioxide for Biofilm Removal in a Campus Thermal Energy Storage Loop</b> - <i>Alonzo Cabell, Valent Water Technologies; Tim Olson, University of California Merced</i>                                                                                                       |
| Poster 29 | <b>The Benefits of Low Viscosity Fluids</b> - <i>Chloe Pool, Wesley Sherrod, &amp; Randy Holt, CORECHEM Inc.</i>                                                                                                                                                                               |
| Poster 30 | <b>What You Can't See Is Costing You: A New Look at Chiller Energy Performance</b> - <i>Brian Justice, Hudson Technologies</i>                                                                                                                                                                 |
| Poster 31 | <b>Deep Closed Loop Geothermal Well Solution with Limited Geological Requirements for Direct Supply of Energy to Both District Cooling and District Heating Campus Networks</b> - <i>Niels Meissner &amp; Kim Maver, Green Therma</i>                                                          |

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| Poster 32 | <b>Deploying Groundwater-Enabled Geothermal for Campus-Scale Energy Systems</b> - <i>Daniel King, Darcy Solutions</i>                                                                                                                    |
| Poster 33 | <b>Geothermal as a Service: Unlocking Potential through Innovative Financing</b> - <i>Katie Lutton, Brailsford &amp; Dunlavy</i>                                                                                                         |
| Poster 34 | <b>Optimizing Urban Thermal Networks: An Integrated High-Rise Geothermal Case Study</b> - <i>Masih Alavy &amp; Mike Schultz, GEI Consultants Inc.</i>                                                                                    |
| Poster 35 | <b>Heat Pumps Making District Heating Carbon Neutral</b> - <i>Marshall Trigona, Monterey Institute of International Studies</i>                                                                                                          |
| Poster 36 | <b>Unlocking Waste Heat: Case Studies in High-Temperature Heat Pump Integration with Existing Refrigeration Systems</b> - <i>Simon Keller, GEA Heating and Refrigeration Technologies; German Robledo, GEA Systems North America LLC</i> |
| Poster 37 | <b>Amped Up Alliances: Powering Campus Decarbonization Through Electric Utility Collaboration</b> - <i>Jared Markle, RMF Engineering, Inc</i>                                                                                            |
| Poster 38 | <b>Enhancing Resilience at an Emergency Management Agency through Microgrid Optimization</b> - <i>Annie Smith &amp; Michelle Clemons, Introba</i>                                                                                        |
| Poster 39 | <b>Grid Reliability and Electrification Impacts</b> - <i>Emily Kunkel &amp; Hiva Nasiri, Thornton Tomasetti</i>                                                                                                                          |
| Poster 40 | <b>Path to Nuclear District Energy 2</b> - <i>Brian Wodka, RMF Engineering; George Mesina, Idaho National Laboratory</i>                                                                                                                 |
| Poster 41 | <b>Recent Advancements in Advanced Nuclear</b> - <i>Jacob Welsh, Burns &amp; McDonnell; Kevin Fox, Burns &amp; McDonnell</i>                                                                                                             |
| Poster 42 | <b>Thermal Infrared (IR) Imaging of the Infrastructure Comes of Age</b> - <i>Gregory Stockton, Stockton Infrared Thermographic Services, Inc.</i>                                                                                        |